

Exhibit No. O&R-004

Depreciation Support

Contains:

O&R Direct Testimony – pdf pages 2-37

Depreciation Study – pdf pages 38-339

NYPSC Order with Joint Proposal Attached – pdf pages 340-828 (depreciation rate tables on

Appendix 11 begin at pdf page 610)

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1 **I. INTRODUCTION AND PURPOSE OF TESTIMONY**

2 Q. Would each member of the Depreciation Panel please
3 state your name and business address?

4 A. My name is Qun Li. My business address is 4 Irving
5 Place, New York, New York.

6 My name is Gina Callender. My business address is 4
7 Irving Place, New York, New York.

8 My name is Ned W. Allis. My business address is 207
9 Senate Avenue, Camp Hill, Pennsylvania.

10 Q. Ms. Li, by whom are you employed and in what capacity?

11 A. I am employed by Consolidated Edison Company of New
12 York, Inc. ("Con Edison"), the corporate affiliate of
13 Orange and Rockland Utilities, Inc. ("Orange and
14 Rockland," "O&R" or the "Company"). I hold the
15 position of Senior Accountant in the Property Record
16 department. I supervise the book depreciation
17 accounting functions as well as being the rate case
18 lead on depreciation studies for the Company.

19 Q. Ms. Li, please briefly outline your educational
20 background and business experience.

21 A. I earned a Bachelor of Science degree from Wuhan
22 Science and Technology University. I earned a Master
23 of Science from Bowling Green State University in
24 2002. I started my career working in the accounting

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1 field at Bao Steel Group as a Staff Accountant and
2 holding positions of increasing responsibilities. I
3 rose to the title of Assistant Project Manager. In
4 1997, I became a Certified Cost Engineer. I later
5 worked as a Senior Accountant/Accounting Supervisor in
6 the Peninsula Hospital Center and education fields. I
7 have been employed by Con Edison since March 2012 as a
8 Senior Accountant. I am also a member of the Society
9 of Depreciation Professionals ("SDP").

10 Q. Ms. Callender, by whom are you employed and in what
11 capacity?

12 A. I am employed by Con Edison, as a Director in the
13 Strategic Planning department, with responsibility for
14 the gas long range plan, O&R Long Range Plan and Steam
15 Long Range Plan. I am testifying only as to the gas
16 planning issues discussed on pages 27-30 of this
17 direct testimony.

18 Q. Ms. Callender, please briefly outline your educational
19 background and business experience.

20 A. I earned a Bachelor of Science in Civil Engineering
21 from Manhattan College. I earned an MBA in Management
22 from Rensselaer Polytechnic Institute in 2008. I
23 earned my Project Management Professional (PMP)
24 certification in 2011. I started my career as a

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1 Management Intern at Con Edison in 2000. I have worked
2 in several organizations over the last 20 years in
3 roles of increasing responsibilities in Energy
4 Management, Gas Operations, Gas Engineering,
5 Substation Construction, and Substation Planning.

6 Q. Mr. Allis, by whom are you employed and in what
7 capacity?

8 A. I am employed by Gannett Fleming Valuation and Rate
9 Consultants, LLC ("Gannett Fleming"), where I am Vice
10 President. I am responsible for conducting
11 depreciation, valuation and original cost studies,
12 determining service life and salvage estimates,
13 conducting field reviews, presenting recommended
14 depreciation rates to clients, and supporting such
15 rates before state and federal regulatory agencies. I
16 am also responsible for Gannett Fleming's proprietary
17 depreciation software, training of depreciation staff,
18 and the development of solutions for technical issues
19 related to depreciation.

20 Q. Mr. Allis, please briefly outline your educational
21 background and business experience.

22 A. I have a Bachelor of Science degree in Mathematics
23 from Lafayette College in Easton, PA. I am a member
24 of the SDP and am a past president of SDP. I am

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1 certified as a depreciation expert by the SDP, which
2 has established national standards for certification
3 via an examination that I passed in September 2011. I
4 was re-certified as a depreciation professional in
5 March 2017.

6 I became employed by Gannett Fleming in October 2006
7 as an Analyst. My duties included assembling basic
8 data required for depreciation studies, conducting
9 statistical analyses of service life and net salvage
10 data, calculating annual and accrued depreciation, and
11 assisting in preparing reports and testimony setting
12 forth and defending the results of the studies. In
13 March 2013, I was promoted to the position of
14 Supervisor, Depreciation Studies. In March 2017, I was
15 promoted to the position of Project Manager,
16 Depreciation and Technical Development. In January
17 2019, I was promoted to my current position of Vice
18 President.

19 Q. Have the members of the Depreciation Panel previously
20 testified before any utility commission on the subject
21 of utility plant depreciation?

22 A. **(Li)** Yes. I have previously testified before the New
23 York Public Service Commission ("NYPSC") in Case Nos.
24 13-E-0030, 13-G-0031 and 13-S-0032 for Con Edison.

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1 **(Callender)** No.

2 **(Allis)** Yes. I have testified on the subject of
3 depreciation before the NYPSC, the Florida Public
4 Service Commission, the Nevada Public Utilities
5 Commission, the District of Columbia Public Service
6 Commission, the New Jersey Board of Public Utilities,
7 the California Public Utilities Commission, the
8 Connecticut Public Utilities Regulatory Authority, the
9 Rhode Island Public Utilities Commission, the
10 Massachusetts Department of Public Utilities, the
11 Kansas Corporation Commission, the Maryland Public
12 Service Commission and the Federal Energy Regulatory
13 Commission ("FERC").

14 Q. What is the purpose of your testimony in this
15 proceeding?

16 A. The Depreciation Panel's testimony:

- 17 • Presents the depreciation study performed by
18 Gannett Fleming for the Company's electric, gas
19 and common plant;
- 20 • Presents annual depreciation accruals as of
21 December 31, 2019 based on the Company's existing
22 rates and the proposed depreciation rates;
- 23 • Identifies the Accumulated Provision for
24 Depreciation recorded on the Company's books

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1 ("book reserve") as of December 31, 2019, the
2 computed reserve (also referred to as the
3 theoretical reserve or calculated accrued
4 depreciation) based on existing depreciation
5 factors, and the computed reserve based on the
6 proposed depreciation factors for electric, gas
7 and common plant;

- 8 • Presents the variations between the book and
9 computed reserves based on existing rates and the
10 proposed depreciation factors for electric, gas
11 and common plant and a proposal to recover the
12 full amount of the gas reserve deficiency over a
13 20-year period;

- 14 • Discusses the Company's recovery of unrecovered
15 costs for legacy meters due to its Advanced
16 Metering Infrastructure ("AMI") program, which is
17 discussed in more detail in the direct testimony
18 of the Company's Accounting Panel; and

- 19 • Discusses the impact of New York's goals for the
20 decarbonization of the energy sector, how these
21 goals may impact depreciation for the natural gas
22 industry, and how the recommended service lives
23 and proposal to recover the full reserve
24 variation for gas assets represent an initial

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1 step to recognize the potential impact of these
2 goals.

3 Q. Is the Depreciation Panel sponsoring any exhibits in
4 these proceedings?

5 A. Yes. The depreciation study, which was prepared by
6 Gannett Fleming and reviewed by Ms. Li, is presented
7 in exhibits prepared under our supervision and
8 direction. The exhibits applicable to Electric Plant
9 are:

- 10 • Exhibit ____ (DP-E1) entitled: "Orange and
11 Rockland Utilities, Inc., 2019 Depreciation
12 Study, Electric and Common Plant as of December
13 31, 2019;"
- 14 • Exhibit ____ (DP-E2) entitled: "Orange and
15 Rockland Utilities, Inc., Electric and Common
16 Plant, Summary of Annual Depreciation Rates as of
17 December 31, 2019;"
- 18 • Exhibit ____ (DP-E3) entitled: "Orange and
19 Rockland Utilities, Inc., Electric and Common
20 Plant, Summary of the Computed Reserves for
21 Depreciation as of December 31, 2019;" and
- 22 • Exhibit ____ (DP-E4) entitled: "Orange and
23 Rockland Utilities, Inc., Electric and Common
24 Plant, Rolling and Shrinking Band Analysis."

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1 The exhibits applicable to Gas Plant are:

- 2 • Exhibit ____ (DP-G1) entitled: "Orange and
3 Rockland Utilities, Inc., 2019 Depreciation
4 Study, Gas and Common Plant as of December 31,
5 2019;"
- 6 • Exhibit ____ (DP-G2) entitled: "Orange and
7 Rockland Utilities, Inc., Gas and Common Plant,
8 Summary of Annual Depreciation Rates as of
9 December 31, 2019;"
- 10 • Exhibit ____ (DP-G3) entitled: "Orange and
11 Rockland Utilities, Inc., Gas and Common Plant,
12 Summary of the Computed Reserves for Depreciation
13 as of December 31, 2019;" and
- 14 • Exhibit ____ (DP-G4) entitled: "Orange and
15 Rockland Utilities, Inc., Gas and Common Plant,
16 Rolling and Shrinking Band Analysis."

17 Q. Please summarize any changes to depreciation expense
18 levels due to Gannett Fleming's depreciation
19 recommendations.

20 A. As set forth in their direct testimony, the Company's
21 Accounting Panel has computed, based on depreciation
22 rates we have supplied, that depreciation expense will
23 increase in the Rate Year (*i.e.*, the 12-month period

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1 ending December 31, 2022) by \$2.2 million (*i.e.*, from
2 \$63.2 million to \$65.4 million) for electric plant.

3 As further explained in the direct testimony of the
4 Company's Accounting Panel, the only change to gas
5 depreciation in the Rate Year is an increase for
6 additional gas plant in service based on existing
7 rates. The Company proposes to delay implementation
8 of its gas depreciation proposals in order to mitigate
9 customer bill impacts in light of the COVID-19
10 pandemic.

11 The Company in this deprecation study begins planning
12 for the impact achievement of New York State's Climate
13 Leadership and Community Protection Act¹ ("CLCPA")
14 goals would have on the equitable and appropriate
15 recovery of the Company's assets through depreciation.
16 As such, it is appropriate to consider the potential
17 impacts of New York's carbon emissions goals in
18 establishing the Company's depreciation rates. In
19 doing this, the Company is proposing to decrease the
20 service lives for the longer-lived gas accounts by
21 five years (when compared to the results of service
22 life analysis that does not consider the impact of the

¹ NY State Senate Bill S6599, Climate Leadership and Community Protection Act. Full text of the legislation is available online. See <https://www.nysenate.gov/legislation/bills/2019/s6599>.

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CLCPA's goals). The Company also proposes to match the service lives of existing pipe to be replaced under its pipe replacement program (mainly cast iron, bare steel and Aldyl-A plastic pipe) to the duration of the program. As further explained in the direct testimony of the Company's Accounting Panel, the Company proposes to delay implementation of these service life changes until Rate Year 2 (*i.e.*, the 12-month period ending December 31, 2023) to mitigate customer bill impacts. Accordingly, the proposed depreciation rates do not have an impact on Rate Year 1 for gas plant. In Rate Year 2, the proposed depreciation rates will increase depreciation expense by \$3.3 million for gas plant (*i.e.*, from \$31.2 million to \$34.5 million). Moreover, Company proposes to recover the reserve deficiency of \$1.9 million per year over a 20-year period. As further explained in the direct testimony of the Company's Accounting Panel, the Company proposes to delay beginning recovery until Rate Year 3 (*i.e.*, the 12-month period ending December 31, 2024) to mitigate customer bill impacts.

II. DEPRECIATION STUDY

Q. Please define the concept of depreciation.

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1 A. The FERC Uniform System of Accounts defines
2 depreciation as follows:

3 Depreciation, as applied to depreciable electric
4 plant, means the loss in service value not
5 restored by current maintenance, incurred in
6 connection with the consumption or prospective
7 retirement of electric plant in the course of
8 service from causes which are known to be in
9 current operation and against which the utility
10 is not protected by insurance. Among the causes
11 to be given consideration are wear and tear,
12 decay, action of the elements, inadequacy,
13 obsolescence, changes in the art, changes in
14 demand and requirements of public authorities.¹

15 We note that the Uniform System of Accounts
16 specifically enumerates obsolescence, changes in
17 demand, requirements of public authorities and the
18 exhaustion of natural resources as factors that should
19 be given consideration. These factors are addressed
20 in this testimony and will continue to be assessed by
21 the Company in future depreciation studies.

22 Q. In preparing the depreciation study, were generally
23 accepted practices in the field of depreciation
24 followed?

25 A. Yes.

¹ 18 C.F.R. 101 (FERC Uniform System of Accounts), Definition 12. The Gas Uniform System of Accounts has a similar definition.

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1 Q. Are the methods and procedures used in the
2 depreciation study consistent with the Company's past
3 practices?

4 A. Yes. The methods and procedures used in this study
5 are the same as those used in past depreciation
6 studies conducted by the Company, as well as
7 depreciation studies presented by other companies in
8 rate proceedings before the NYPSC. The approach is to
9 determine depreciation rates based on the straight-
10 line method, broad group average service life
11 procedure and the whole life technique.
12 Consistent with the prior depreciation study and the
13 Company's current depreciation rates, we have used
14 Iowa type survivor curves to estimate service lives.

15 Q. Please describe the presentation of the depreciation
16 study in your exhibits.

17 A. The electric depreciation study, set forth in Exhibit
18 ____ (DP-E1), and the gas depreciation study, set forth
19 in Exhibit ____ (DP-G1), are each presented in nine
20 parts. Part I, Introduction, presents the scope and
21 basis for the depreciation study. Parts II through V
22 include descriptions of the methods and procedures
23 used for the estimation of survivor curves and net
24 salvage and the calculation of annual depreciation and

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1 the theoretical reserve. Part VI, Results of Study,
2 presents a description of the results and a summary of
3 the depreciation calculations. Parts VII through IX
4 present graphs and tables that relate to the service
5 life analyses, the net salvage analyses and the
6 detailed depreciation calculations.

7 The tables on pages VI-4 through VI-6 of both Exhibit
8 ___ (DP-E1) and Exhibit ___ (DP-G1), present the
9 estimated survivor curve, the net salvage percent, the
10 original cost of plant and the book depreciation
11 reserve as of December 31, 2019, and the calculated
12 annual depreciation accrual and applicable
13 depreciation rate for each plant account or
14 subaccount. The section beginning on page VII-1 of
15 each Exhibit presents the results of the retirement
16 rate analyses prepared as the historical bases for the
17 service life estimates. The section beginning on page
18 VIII-1 of each Exhibit presents the results of the
19 salvage analysis. The section beginning on page IX-1
20 of each Exhibit presents the depreciation calculations
21 related to surviving original cost as of December 31,
22 2019.

23 Q. Please explain how the depreciation study was
24 performed.

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1 A. The study began with a kickoff meeting held on
2 September 11, 2020 between Gannett Fleming and the
3 Company. Topics discussed included the overall scope
4 of the study, the timing of the study, the data
5 required to perform the depreciation study, the
6 logistics of conducting site visits, and factors that
7 may influence service lives and net salvage. The
8 study was conducted over the next several months and
9 concluded with the reports included with our
10 testimony.

11 The study used the straight-line whole life
12 method of depreciation, with the broad group average
13 service life procedure. The annual depreciation is
14 based on a method of depreciation accounting that
15 seeks to distribute the service value (original cost
16 of plant assets plus estimated costs of removal less
17 estimated salvage at the time of retirement) over the
18 estimated service life of each group of assets in a
19 systematic and rational manner.

20 Q. How did you determine the recommended annual
21 depreciation accrual rates?

22 A. This was done in two phases. In the first phase,
23 estimates of the service life and net salvage factors
24 were developed for each depreciable group (that is,

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1 each plant account or subaccount identified as having
2 similar characteristics). In the second phase, we
3 calculated the annual depreciation accrual rates using
4 the applicable average service lives and net salvage
5 factors.

6 Q. What part does the average service life play in the
7 determination of depreciation rates?

8 A. The estimated average service life is the period over
9 which the original cost of plant will be depreciated.
10 For example, with an average service life of 25 years,
11 annual depreciation is $1/25^{\text{th}}$, or 4%, of the original
12 cost of the plant before taking into account the net
13 salvage factor.

14 Q. What is the effect on annual depreciation expense of a
15 change to an average service life?

16 A. The depreciation expense accrual varies inversely with
17 its underlying average service life, and all else
18 being equal, the longer the average service life, the
19 lower the annual depreciation rate and the lower the
20 annual depreciation expense. Conversely, the shorter
21 the average service life, the higher the annual
22 depreciation rate and the higher the annual
23 depreciation expense.

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1 Q. What part does net salvage play in the determination
2 of depreciation rates?

3 A. Depreciation is intended to recover the full cost of
4 the Company's assets over the period of time they are
5 providing service. The full cost of an asset includes
6 both the original cost when the asset was installed
7 and the net salvage at the end of the asset's life.
8 Thus, in addition to providing for recovery of the
9 original cost of plant over its estimated average
10 service life, annual depreciation rates include an
11 estimated net salvage factor. The purpose of this
12 estimated net salvage factor is to reflect, over the
13 life of the plant, the expected gross salvage value of
14 plant less the expected cost of removal upon
15 retirement. With few exceptions, most plant assets
16 result in negative net salvage upon retirement, with
17 removal costs exceeding salvage value. Salvage and
18 removal cost values are netted and expressed as a
19 percentage of original cost of plant and included in
20 the annual depreciation rate. As a result, and in
21 accordance with basic depreciation principles and the
22 NYPSC's Uniform System of Accounts, the service value
23 of an asset is allocated evenly over the estimated
24 useful life of the asset.

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1 Q. Please describe the first phase of the depreciation
2 study, in which you estimated the average service life
3 and net salvage factors for each plant account or
4 subaccount.

5 A. The service life and net salvage study consisted of
6 compiling historical data from records related to
7 O&R's plant; analyzing the data to obtain historical
8 trends of survivor characteristics; obtaining
9 supplementary information from management and
10 operating personnel concerning practices and plans as
11 they relate to plant operations; making visits to
12 various sites to view the physical condition of
13 facilities; and interpreting the data and information
14 along with the average service lives and net salvage
15 factors used by other electric and gas utilities to
16 form judgments of average service lives and net
17 salvage factors applicable to O&R's plant and
18 equipment.

19 Q. You mentioned that the depreciation study included
20 visits to O&R facilities, what is the significance of
21 these visits?

22 A. A field review of O&R's property as part of the
23 depreciation study was made during October 2020.
24 Field reviews were also conducted in September 2017

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1 and June 2014 for the Company's previous depreciation
2 studies. Depreciation studies should not be limited
3 only to statistical analysis or visual comparisons of
4 smoothed survivor curves based on actual mortality
5 experience and standardized survivor curves. Field
6 reviews, as well as discussions with operating and
7 engineering personnel, are conducted to become
8 familiar with Company operations and obtain an
9 understanding of the function of the plant and
10 information with respect to the reasons for past
11 retirements and the expected future causes of
12 retirements. This knowledge, as well as information
13 from other discussions with management, was
14 incorporated in the interpretation and extrapolation
15 of the statistical analyses.

16 Q. What historical data was analyzed for the purpose of
17 estimating average service lives?

18 A. The Company's accounting entries that record plant
19 asset transactions during the period 1952 through 2019
20 were analyzed. The transactions included additions,
21 retirements, transfers and the related balances.

22 Q. What method was used to analyze the data?

23 A. The retirement rate method was used. This is the most
24 appropriate method when retirement data covering a

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1 long period of time is available because it determines
2 the average rates of retirement actually experienced
3 by the Company during the period of time covered by
4 the depreciation study. It is also the method O&R
5 used in past depreciation studies and is the
6 overwhelmingly predominant approach used in
7 depreciation studies across the country when aged data
8 is available.

9 Q. Please describe how the retirement rate method was
10 used to analyze the Company's service life data.

11 A. The retirement rate analysis was performed for each
12 different group of property, generally a particular
13 plant account, in the study. For each property group,
14 we used the retirement rate data to form life tables
15 which, when plotted, show original survivor curves for
16 that property group. The life tables produced for
17 each depreciable group include rolling and shrinking
18 bands, which, consistent with the Joint Proposal¹ in
19 the Company's previous base rate case, are included as
20 Exhibit ____ (DP-E4) and Exhibit ____ (DP-G4) to our

¹ The Joint Proposal (p. 38) adopted by the NYPSC in Case Nos. 18-E-0067 and 18-G-0068 states that "In the depreciation study submitted in its next base rate case filing, the Company will provide rolling and shrinking bands in the same format as it provided in these proceedings. These would include mathematical curve fitting results for each band. For rolling bands, the Company will provide rolling ten-year bands."

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1 testimony. Each original survivor curve represents
2 the average survivor pattern experienced by the
3 vintage groups during the experience and placement
4 band studied. The survivor patterns do not
5 necessarily describe the life characteristics of the
6 property group. Therefore, interpretation of the
7 original survivor curves is required in order to use
8 them as valid considerations in estimating future
9 average service life. Standard survivor curves, such
10 as the Iowa-type survivor curves are used to perform
11 these interpretations.

12 Q. What is an "Iowa-type survivor curve" and how can such
13 curves be used to estimate the average service life
14 characteristics for each property group?

15 A. Iowa-type survivor curves are a widely-used group of
16 survivor curves that contain the range of survivor
17 characteristics usually experienced by utilities and
18 other industrial companies. The Iowa curves were
19 developed at the Iowa State College Engineering
20 Experiment Station through an extensive process of
21 observing and classifying the ages at which various
22 types of property used by utilities and other
23 industrial companies had been retired. Iowa curves

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1 were used in the previous depreciation study to and
2 are used for Company's current depreciation rates.
3 Iowa type curves are used to smooth and extrapolate
4 original survivor curves determined by the retirement
5 rate method. The Iowa curves can be used to describe
6 the forecasted rates of retirement based on the
7 observed rates of retirement and the outlook for
8 future retirements.

9 The estimated survivor curve designations for each
10 depreciable property group indicate the average
11 service life, the family within the Iowa system to
12 which the property group belongs, and the relative
13 height of the mode. Take the Iowa 50-R1.5, for
14 example. The first designation indicates an average
15 service life of 50 years. The second designation
16 indicates a right-moded, or R, type curve (the mode
17 occurs after average life for right-moded curves).
18 The third designation indicates a relatively low
19 height of 1.5, for the mode (possible modes for R type
20 curves range from 1 to 5).

21 Q. Please provide an example of how the annual
22 depreciation accrual rate for a particular plant
23 account is presented in your depreciation study.

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1 A. We will use electric Plant Account 362, Station
2 Equipment, as an example because it is one of the
3 largest depreciable accounts.
4 The retirement rate method was used to analyze the
5 survivor characteristics of this property group. Aged
6 plant accounting data was compiled from 1952 through
7 2019 and each account was analyzed over a period that
8 best represents the overall service life of the
9 property in the account. For most accounts, the full
10 period of time (1952-2019) was given the most
11 consideration. For certain accounts, shorter periods
12 were used to adjust for anomalies and other account-
13 specific factors. The life table for the 1952-2019
14 experience band is presented on pages VII-52 through
15 VII-54 of Exhibit ____ (DP-E1). The life table
16 displays the retirement and surviving ratios of the
17 aged plant data exposed to retirement by age interval.
18 For example, page VII-52 shows \$357,761 retired at age
19 0.5 years, with \$278,020,396 having been exposed to
20 retirement. Consequently, the retirement ratio is
21 0.0013 ($\$357,761 / \$278,020,396$) and the survivor
22 ratio is 0.9987 ($1 - 0.0013$). The percent surviving
23 for the next age interval (*i.e.*, age 1.5) of 99.87
24 percent is calculated by multiplying the percent

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1 surviving of 100.00 percent at age 0.5 by the survivor
2 ratio at age 0.5 of 0.9987. This life table, or
3 original survivor curve, is plotted along with the
4 estimated smooth survivor curve, the 50-S0 on page
5 VII-51.

6 The calculation of the annual depreciation accrual and
7 the theoretical reserve related to the original cost
8 of plant in Account 362 as of December 31, 2019 is
9 presented on pages IX-27 through IX-29. The
10 calculations are based on the 50-S0 survivor curve and
11 15% negative net salvage factor, and the attained age
12 for each vintage. The tabulation sets forth the
13 installation year, the original cost, average service
14 life, calculated annual depreciation rate and accrual,
15 average remaining life, and calculated accrued
16 depreciation factor and amount (that is, the
17 theoretical reserve ratio and theoretical reserve).

18 The total annual accrual of \$4,479,448 and theoretical
19 reserve of \$43,809,494 for the account are brought
20 forward to the table on page VI-4. The reserve
21 variation of \$9,578,950 shown on page VI-4 is
22 calculated by subtracting the \$43,809,494 theoretical
23 reserve from the book reserve for the account of
24 \$53,388,444.

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1 Q. Please describe how the proposed net salvage factors
2 were determined.

3 A. Consistent with well-established industry practices,
4 the net salvage factors were determined using informed
5 judgment that considered relevant factors such as the
6 results of historical net salvage analyses, the
7 existing net salvage rates in effect, the Company's
8 current practices with regard to net salvage and the
9 net salvage factors used by other electric companies.

10 Q. Please describe the statistical net salvage analyses.

11 A. In the statistical net salvage analyses, net salvage
12 is expressed as a percentage of the book cost of plant
13 retired by calendar year. The analysis of historical
14 net salvage as a percentage of the book cost of plant
15 retired provides a statistical basis for the level of
16 net salvage that can be expected to occur in the
17 future.

18 Q. Are the net salvage analyses and approach you used to
19 reflect net salvage in depreciation rates consistent
20 with authoritative depreciation texts?

21 A. Yes. The National Association of Regulatory Utility
22 Commissioners Public Utility Depreciation Practices
23 ("NARUC Manual") and Wolf and Fitch's Depreciation
24 Systems ("Wolf and Fitch") are well-regarded texts

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1 that are considered to be authoritative depreciation
2 sources by depreciation professionals. These texts
3 describe the method of estimating net salvage and
4 explain that expected net salvage at the time of
5 retirement of plant assets is expressed as a
6 percentage of original cost of the plant that will be
7 retired and is estimated using the same methods we
8 have employed.

9 Q. Are the methods used in the depreciation study for the
10 net salvage analysis widely accepted in the industry?

11 A. Yes. The net salvage analysis used in the Company's
12 depreciation study is the predominant approach in the
13 utility industry. In the vast majority of
14 jurisdictions, including New York, a portion of
15 depreciation expense includes a provision for the
16 prospective recovery of future net salvage over the
17 service life of the underlying assets, and the net
18 salvage factors are estimated using the same methods
19 used in the Company's depreciation study. This
20 approach is consistent with the NYPSC Uniform System
21 of Accounts, the ratemaking practices of most other
22 state regulatory commissions, and the ratemaking
23 approach of the FERC.

ORANGE AND ROCKLAND UTILITIES, INC.
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DEPRECIATION PANEL

1 Q. In the Joint Proposal (p. 38) in Case Nos. 18-E-0067
2 and 18-G-0068, parties agreed that in the next
3 depreciation study, O&R "will present the gas mains
4 and services in smaller sub-accounts by material."
5 Have you presented these sub-accounts for gas mains
6 and services in the 2019 Depreciation Study?

7 A. Yes. For each of these accounts, we have calculated
8 depreciation rates and theoretical reserves by
9 material type (*i.e.*, cast iron, steel and plastic).
10 In addition, each material type was further segregated
11 into the portion that will be retired through the
12 Company's pipe replacement program and all other mains
13 and services. O&R plans to complete this program by
14 the end of 2029. Accordingly, our proposal for the
15 assets that are planned to be replaced, which consist
16 primarily of cast iron, bare steel and Aldyl-A plastic
17 pipe, is to recover the remaining costs by 2029. For
18 the assets not expected to be replaced as part of this
19 program, the Company used the same service life and
20 net salvage estimates for each material type, both
21 because they have relatively similar service life and
22 net salvage expectations and because the data for the
23 full period available was in total rather than by
24 material type.

ORANGE AND ROCKLAND UTILITIES, INC.
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1 Q. In addition to the pipe replacement program, are there
2 any other notable changes to the service life
3 estimates for gas assets?

4 A. Yes. We propose in this case to shorten the service
5 lives for the longer-lived gas accounts (*i.e.*,
6 structures and improvements, mains, services, meter
7 installations, meter bar installations and house
8 regulator installations) by five years from what the
9 Company has historically experienced.

10 Q. Why is the Company proposing this change?

11 A. O&R is fully aware of, and supports, the state of New
12 York's goals to reduce greenhouse gas emissions to net
13 zero by the year 2050. The State is still developing
14 CLCPA regulations, so the pathway to achieve such
15 carbon emissions reductions is unknown, and it is
16 likely to change even after the State finalizes and
17 adopts its regulations. It may be, however, that the
18 State will seek to achieve decarbonization with
19 heating electrification as a component. O&R is
20 supporting the overall effort through its
21 Electrification of Heating - Heat Pump Demonstration
22 Project. It may also be, however, that the State
23 achieves decarbonization through a balance of relying
24 on support of renewable generation for heating

ORANGE AND ROCKLAND UTILITIES, INC.
DIRECT TESTIMONY OF
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1 electrification, as well as efforts to decarbonize the
2 fuels delivered using our existing gas infrastructure.
3 The differences in pathways are significant in terms
4 of the impact on the gas system and it is too early to
5 determine which is most appropriate. The eventual
6 pathway will depend on specific CLCPA regulations, as
7 well as new and next generation technologies.¹
8 Regardless of the pathway, in order to begin alignment
9 with the CLCPA's goals, the Company believes that it
10 makes sense to begin planning for a potential
11 reduction in total delivered gas volume. Accordingly,
12 the Company has included a reduction to certain gas
13 average service lives in this case. This is
14 appropriate because changes in energy consumption
15 would impact the Company's service lives. For
16 example, if a customer leaves the system, there would
17 be retirements of the meter, service line and any
18 other infrastructure at the customer locations. If
19 enough customers were to leave the system, this could
20 also impact other assets such as gas mains and
21 measuring and regulating station equipment.

¹ For example, technologies requiring breakthroughs for low carbon fuels - these include zero carbon such as green hydrogen, carbon neutral such as green methane, and carbon negative such as renewable natural gas.

ORANGE AND ROCKLAND UTILITIES, INC.
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1 To be clear, there is substantial uncertainty on the
2 timing and pathway for CLCPA compliance and major
3 changes in gas depreciation are not currently
4 warranted. Given the CLCPA's ambitious goals,
5 however, the Company believes a modest change in
6 service lives is both appropriate and advisable. As
7 the pathways to achieving the CLCPA's goals further
8 develop, the Company will assess their impact on the
9 depreciable lives of its gas assets. This stepped
10 approach recognizes the impact of the State's goals
11 and the reality that the pathways to reach it are
12 likely to affect the gas business, while maintaining
13 flexibility in approach. This approach will allow the
14 Company to adapt to future trends, regulations and
15 technological advances. Finally, the Company notes
16 that if it turns out that gas heating will be
17 eliminated at some point in the future as part of
18 CLCPA goal achievement, then this is an important
19 first step that the Company can continue and/or
20 accelerate in future gas rate cases.

21 **III. TEST OF THE BOOK RESERVES**

22 Q. What are the amounts of the variations between the
23 book reserves and theoretical reserves that you
24 mentioned earlier in your testimony?

ORANGE AND ROCKLAND UTILITIES, INC.
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1 A. For electric plant, the amounts we will address are
2 summarized on Exhibit ____ (DP-E3). This Exhibit
3 indicates that for total electric plant as of December
4 31, 2019, the Accumulated Provision for Depreciation
5 per books, or book reserve, amounted to approximately
6 \$472.7 million. The computed or theoretical reserve
7 based on existing rates was calculated on the average
8 service lives, net salvage percentages and life tables
9 currently in use by the Company and amounted to
10 approximately \$447.6 million. The computed reserve
11 recommended in the 2019 Depreciation Study amounted to
12 approximately \$475.0 million.

13 This Exhibit also indicates that the book reserve is
14 approximately \$25.2 million, or 5.62 percent more than
15 the computed reserve based upon existing rates and is
16 approximately \$2.2 million, or 0.47 percent less than
17 the computed reserve based upon the rates recommended
18 in the 2019 Depreciation Study.

19 Q. Please continue with gas plant.

20 A. For gas plant, the amounts we will address are
21 summarized on Exhibit ____ (DP-G3). This Exhibit
22 indicates that for total gas plant as of December 31,
23 2019, the book reserve amounted to approximately
24 \$270.4 million. The computed reserve based on

ORANGE AND ROCKLAND UTILITIES, INC.
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1 existing rates was calculated on the average service
2 lives, net salvage percentages and life tables
3 currently in use by the Company and amounted to
4 approximately \$273.7 million. The computed reserve
5 recommended in the Depreciation Study amounted to
6 approximately \$307.6 million.

7 This Exhibit also indicates that the book reserve is
8 approximately \$3.3 million, or 1.21 percent less than
9 the computed reserve based upon existing rates and is
10 approximately \$37.2 million, or 12.08 percent less
11 than the computed reserve based upon the proposed
12 rates.

13 Q. Please continue with common plant.

14 A. For common plant, the amounts we will address are
15 summarized on Exhibit ____ (DP-E3) and Exhibit ____ (DP-
16 G3) as both Exhibits show identical amounts for common
17 plant. These Exhibits indicate that for total common
18 plant as of December 31, 2019, the book reserve
19 amounted to approximately \$134.6 million. The
20 computed reserve based on existing rates was
21 calculated on the average service lives, net salvage
22 percentages and life tables currently in use by the
23 Company and amounted to approximately \$138.4 million.
24 The computed reserve recommended based on the

ORANGE AND ROCKLAND UTILITIES, INC.
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1 recommendations in the Depreciation Study amounted to
2 approximately \$135.8 million.

3 This Exhibit also indicates that the book reserve is
4 approximately \$3.8 million, or 2.75 percent less than
5 the computed reserve based upon existing rates and,
6 excluding the unrecovered reserve adjustment for
7 amortization, is approximately \$1.2 million, or 0.90
8 percent less than the computed reserve based upon the
9 rates recommended in the Depreciation Study.

10 Q. Do you have a recommendation regarding the reserve
11 variations?

12 A. Yes. For electric and common plant, we recommend no
13 action be taken related to the reserve variations, at
14 the levels indicated, at this time. The NYPSC's
15 customary practice has been to take no remedial action
16 when the book reserve varies from the theoretical
17 reserve by less than 10% (plus or minus). The
18 variations for electric and common plant fall within
19 that range.

20 For gas plant, we recommend that the full reserve
21 variation amount be recovered over a 20-year period.
22 The estimated reserve variation for gas plant differs
23 from the theoretical reserve by more than 10%, which
24 indicates a need for remedial action. However, even

ORANGE AND ROCKLAND UTILITIES, INC.
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1 if the reserve variation did not exceed this 10%
2 threshold, this recovery period would be appropriate
3 in light of the factors discussed in the previous
4 section related to New York's greenhouse gas emissions
5 goals. Absent any action to address the reserve
6 variation, if decarbonization does result in the loss
7 of customers and shorter service lives, then the
8 Company would not have the opportunity to recover the
9 full costs of its assets over their service lives.
10 Even if cost recovery were deferred, the result would
11 be future customers paying for assets that are already
12 retired, which would result in intergenerational
13 inequity.

14 In addition, the issues related to decarbonization
15 argue for the amortization of the full reserve
16 variation, rather than a portion of this amount. In
17 prior cases, there have been proposals to recover only
18 the amount in excess of 10% of the theoretical
19 reserve. Given the issues facing the natural gas
20 industry, failing to recover the full reserve
21 variation could mean that the Company will be denied
22 the opportunity to recover the full costs of its
23 assets.

24 For these reasons, it is appropriate to recover the

ORANGE AND ROCKLAND UTILITIES, INC.
DIRECT TESTIMONY OF
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1 full reserve variation for gas plant that results from
2 the depreciation study. We recommend a 20-year
3 recovery of these costs, which is a period that has
4 been used in previous studies.

5 **IV. ADVANCED METERING INFRASTRUCTURE**

6
7 Q. Please discuss the Company's recovery of its
8 investment in "legacy" meters due to the
9 implementation of its AMI program.

10 A. AMI is a technology for improving efficiencies related
11 to meter reading and providing other system and
12 customer benefits. These initiatives involve
13 installing electric "smart meters" across O&R's
14 service territory, resulting in the phasing-out of the
15 older, "legacy" technology (*i.e.*, electro-mechanical
16 and solid state meters) before they are fully
17 depreciated. The Company began deploying AMI meters in
18 2017 is completed the initiative in 2020.

19 In the Joint Proposal (p. 38) in Case No. 18-E-
20 0067, the parties agreed that "[b]eginning in RY1, the
21 Company will amortize unrecovered legacy meter costs
22 due to the implementation of AMI. Once AMI is fully
23 deployed, the Company will defer as a separate
24 regulatory asset the remaining undepreciated

ORANGE AND ROCKLAND UTILITIES, INC.
DIRECT TESTIMONY OF
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1 investment in legacy meters and recover it over a 15-
2 year period."

3 Q. What is the Company's proposal regarding the recovery
4 of the remaining book cost for electric meters that
5 have been and will be retired due to the
6 implementation of AMI?

7 A. The Company proposes to continue the recovery
8 established in Case No. 18-E-0067, which is discussed
9 in more detail in the direct testimony of the
10 Company's Accounting Panel. Additionally, it is our
11 understanding that a relatively small number of meters
12 will remain in service at the completion of the AMI
13 program. The recommended depreciation rate for the
14 legacy meters that will remain is based on a 20-year
15 average service life, which is the same average
16 service life that had been used for solid state meters
17 and is currently used for AMI meters.

18 Q. Does this conclude your direct testimony?

19 A. Yes, it does.

ORANGE AND ROCKLAND UTILITIES, INC.

PEARL RIVER, NEW YORK

2019 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION ACCRUALS
RELATED TO ELECTRIC AND COMMON PLANT
AS OF DECEMBER 31, 2019

Prepared by:



Gannett Fleming

*Excellence Delivered **As Promised***

ORANGE AND ROCKLAND UTILITIES, INC.

Pearl River, New York

2019 DEPRECIATION STUDY

CALCULATED ANNUAL DEPRECIATION ACCRUALS
RELATED TO ELECTRIC AND COMMON PLANT
AS OF DECEMBER 31, 2019

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC
Camp Hill, Pennsylvania



*Excellence Delivered **As Promised***

January 14, 2021

Orange and Rockland Utilities, Inc.
4 Irving Place – 3rd Floor NW
New York, NY 10003

Attention: Mr. Jack Deem
Assistant Controller

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the electric and common plant of Orange and Rockland Utilities (“O&R”) as of December 31, 2019. The attached report presents a description of the methods used in the estimation of depreciation, the summary of annual depreciation accrual rates, the statistical support for the life and net salvage estimates and the detailed tabulations of annual depreciation.

Respectfully submitted,

GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC

A handwritten signature in black ink, appearing to read "Ned W. Allis".

NED W. ALLIS
Vice President

NWA:mle

067712.100

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ORANGE AND ROCKLAND UTILITIES, INC.

DEPRECIATION STUDY

EXECUTIVE SUMMARY

Pursuant to the request of Orange and Rockland Utilities, Inc. (“O&R” or “Company”), Gannett Fleming Valuation and Rate Consultants, LLC (“Gannett Fleming”) conducted a depreciation study related to O&R’s electric and common plant as of December 31, 2019. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight-line method using the broad group average service life (“ASL”) procedure and were applied on a whole life basis. The calculations were based on attained ages and estimated average service life and net salvage for each depreciable group of assets.

Generally, most of the service life estimates are for the same or longer average service lives than those recommended in the prior study. Net salvage estimates are also generally the same or more negative than those in the prior study. However, because the Company’s current depreciation rates are based on a settlement, some of the recommended service lives are shorter than those incorporated into the current depreciation rates and the net salvage estimates are more negative than those incorporated into the current depreciation rates. In the aggregate, the recommended depreciation rates for electric plant result in an increase in depreciation when compared to the current estimates but are more moderate changes from the recommendations in the previous depreciation study. For common plant, longer service lives are recommended for transportation equipment accounts which results in a decrease to annual depreciation expense for common plant.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to electric and common plant in service as of December 31, 2019 as summarized by Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$42.4 million when applied to depreciable plant balances as of December 31, 2019. The results of the study, including the reserve variations are summarized at the functional level as follows:

SUMMARY OF ORIGINAL COST, PROPOSED ACCRUAL RATES AND AMOUNTS, AND RESERVE VARIATIONS

FUNCTION	ORIGINAL COST AS OF DECEMBER 31, 2019	ACCRUAL RATE	ACCRUAL AMOUNT	RESERVE VARIATION
<u>ELECTRIC PLANT</u>				
Transmission Plant	\$ 317,867,863.55	2.38	\$ 7,576,015	\$ 4,539,407
Distribution Plant	995,107,218.38	2.89	28,734,236	(16,276,913)
General Plant	<u>37,547,774.31</u>	6.51	<u>2,444,222</u>	<u>9,504,538</u>
Total Electric Plant	\$1,350,522,856.24	2.87	\$38,754,473	\$(2,232,969)
<u>COMMON PLANT¹</u>				
General Plant	<u>100,456,239.20</u>	3.66	<u>3,673,471</u>	<u>(1,226,189)</u>
Total Common Plant	<u>100,456,239.20</u>	3.66	<u>3,673,471</u>	<u>(1,226,189)</u>
TOTAL	<u>\$1,450,979,095.44</u>		<u>\$42,427,944</u>	<u>\$(3,459,158)</u>

¹ Common plant is shown here at 100%.

PART I. INTRODUCTION

ORANGE AND ROCKLAND UTILITIES, INC.

DEPRECIATION STUDY

PART I. INTRODUCTION

SCOPE

This report sets forth the results of the depreciation study for Orange and Rockland Utilities, Inc. ("O&R"), to determine the annual depreciation accrual rates and amounts for book purposes applicable to the original cost of electric and common plant as of December 31, 2019. The rates and amounts are based on the straight-line whole life method of depreciation. This report also describes the concepts, methods and judgments which underlie the recommended annual depreciation accrual rates related to electric and common plant in service as of December 31, 2019.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through 2019, a review of Company practice and outlook as they relate to plant operation and retirement, and consideration of current practice in the electric industry, including knowledge of service lives and net salvage estimates used for other electric companies.

PLAN OF REPORT

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life and net salvage studies. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation, describes the procedures used in the calculation of group depreciation.

Part VI, Results of Study, presents summaries by depreciable group of annual depreciation accrual rates and amounts, as well as the calculated accrued depreciation, reserve variations and composite remaining lives. Part VII, Service Life Statistics presents the statistical analysis of service life estimates, Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents, and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual and accrued depreciation.

BASIS OF THE STUDY

Depreciation

Depreciation, in public utility regulation, is the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of service from causes which are known to be in current operation and against which the utility is not protected by insurance. Among causes to be given consideration are wear and tear, deterioration, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For most accounts, the annual depreciation was calculated by the straight-line method using the average service life procedure and the whole life basis.

For certain General Plant accounts, the annual depreciation is based on amortization accounting. Both types of calculations were based on original cost, attained ages, and estimates of service lives and net salvage.

The straight-line method, average service life procedure is a commonly used depreciation calculation procedure that has been widely accepted in jurisdictions throughout North America, including New York. Gannett Fleming recommends its use in this study. Amortization accounting is used for certain General Plant accounts because of the disproportionate plant accounting effort required when compared to the minimal original cost of the large number of items in these accounts. An explanation of the calculation of annual and accrued amortization is presented beginning on page V-4 of the report.

Service Life and Net Salvage Estimates

The service life and net salvage estimates used in the depreciation and amortization calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the electric utility industry, and comparisons of the service life and net salvage estimates from our studies of other electric utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility plant. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts not subject to amortization accounting.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and the estimated future yielded estimated survivor curves from which the average service lives were derived.

PART II. ESTIMATION OF SURVIVOR CURVES

PART II. ESTIMATION OF SURVIVOR CURVES

The calculation of annual depreciation based on the straight-line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed in the following section and the development of net salvage is discussed in later sections of this report.

SURVIVOR CURVES

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

The recommended survivor curves in this study are developed from a retirement rate analysis of historical retirement data and are based on Iowa type survivor curves. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

Iowa Type Curves

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curves, which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125.

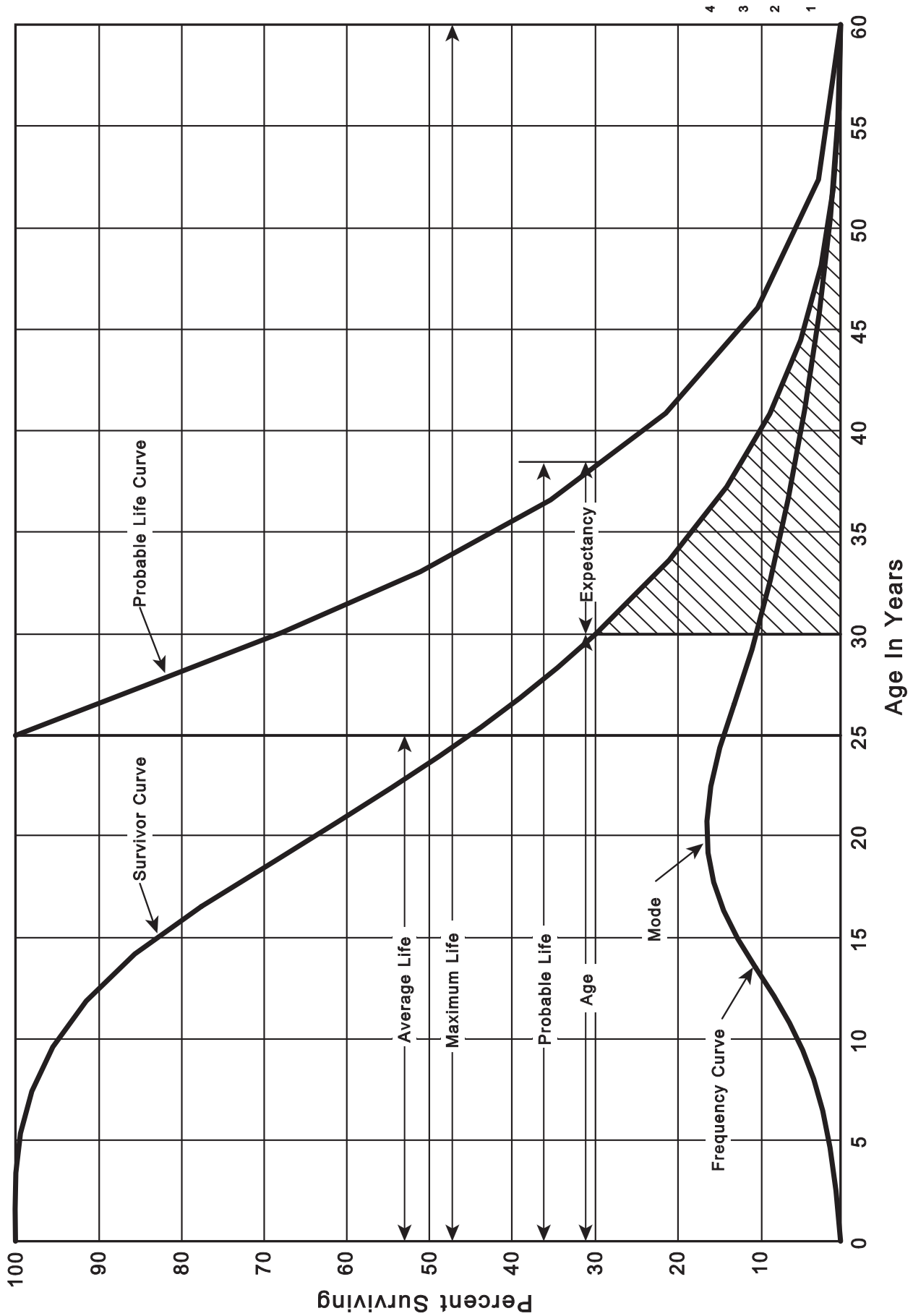


Figure 1. A Typical Survivor Curve and Derived Curves

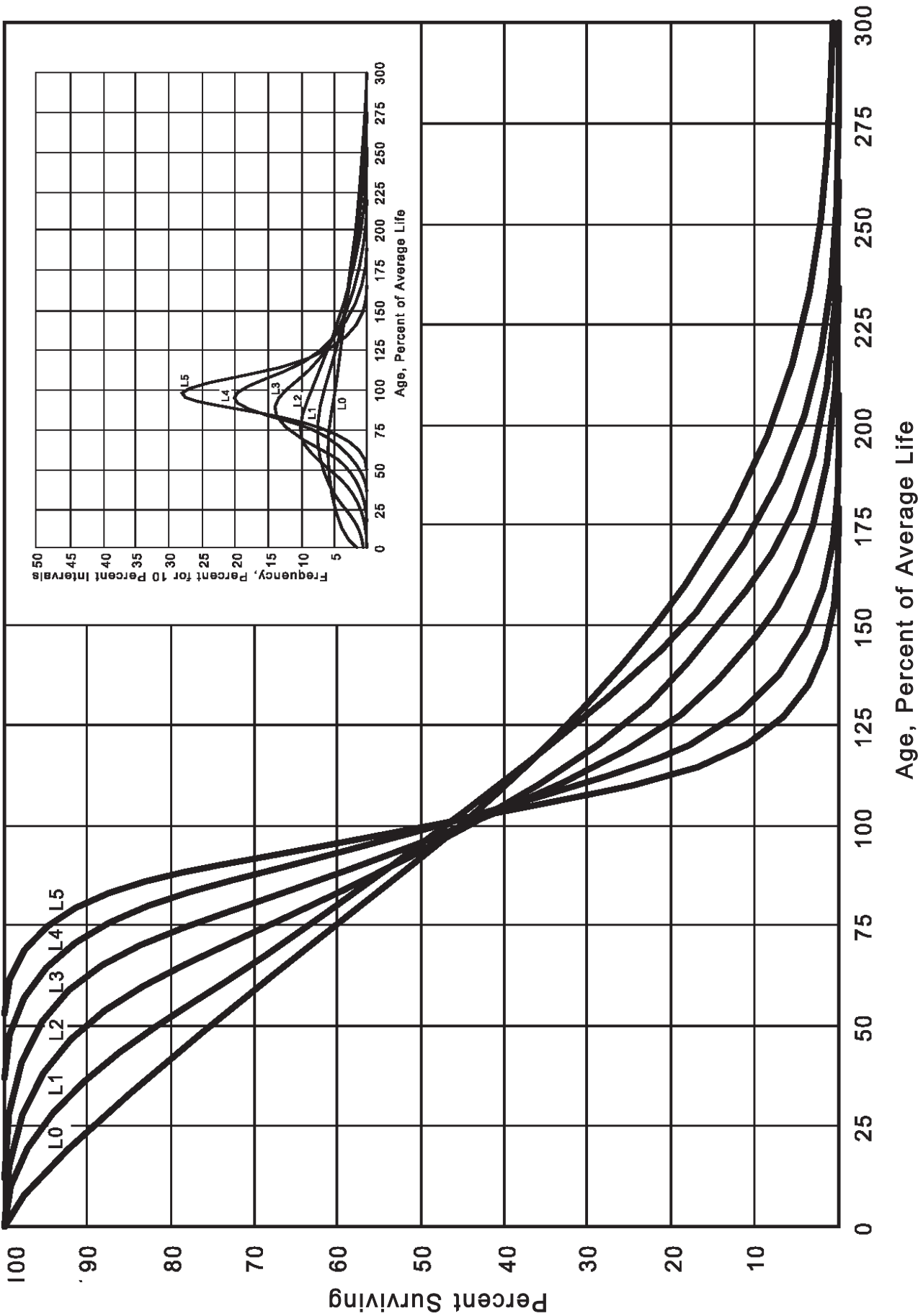


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

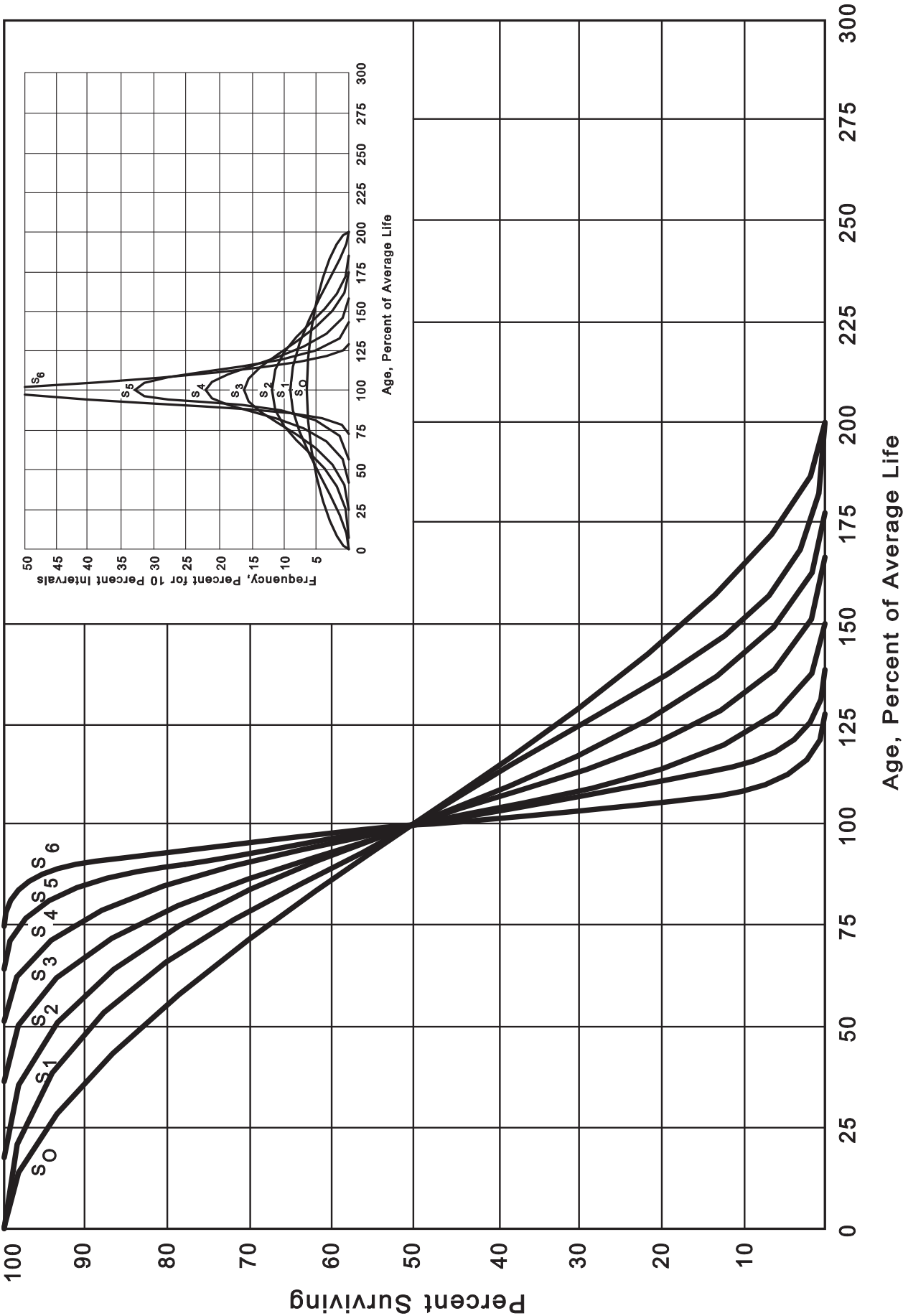


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

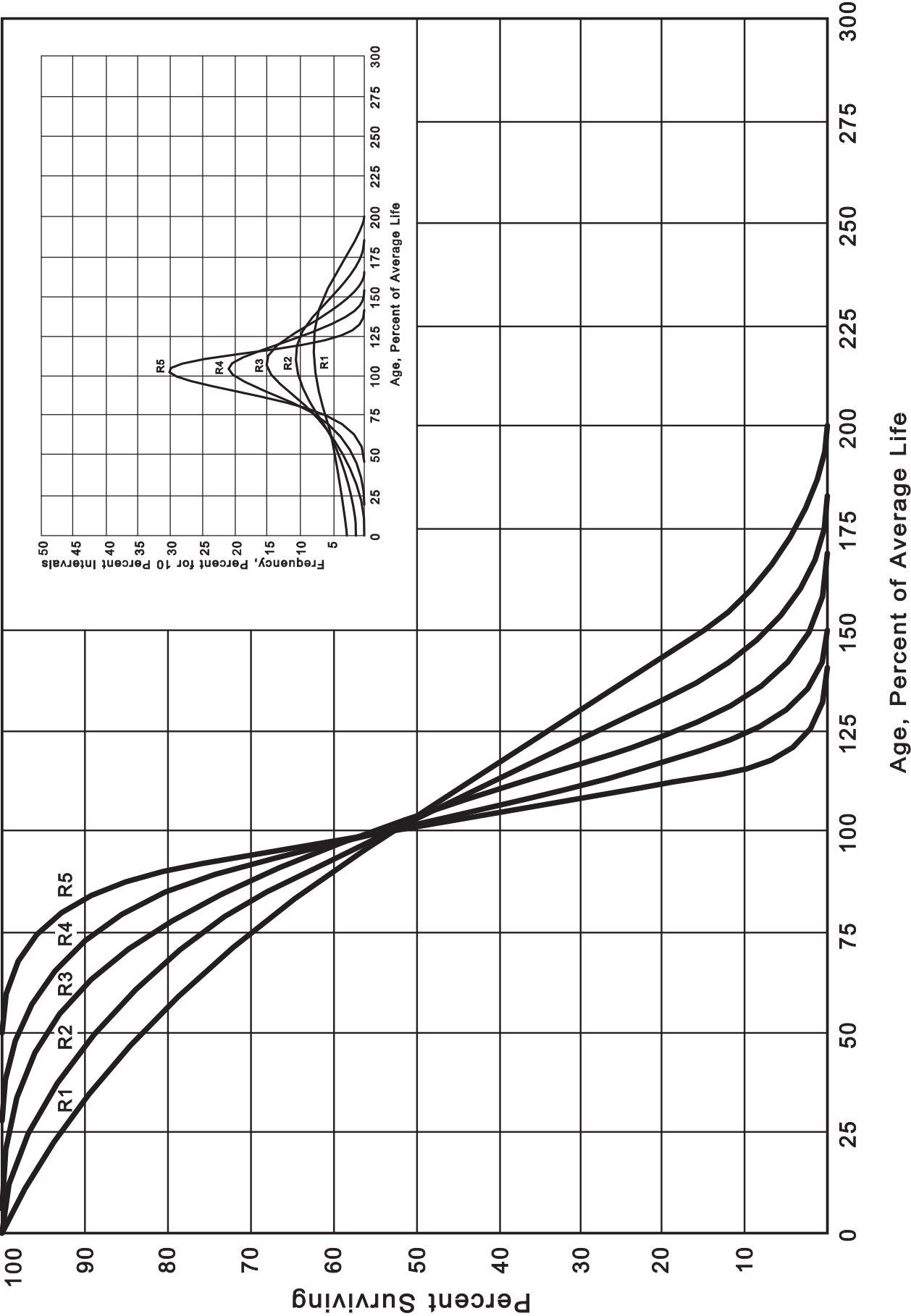


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

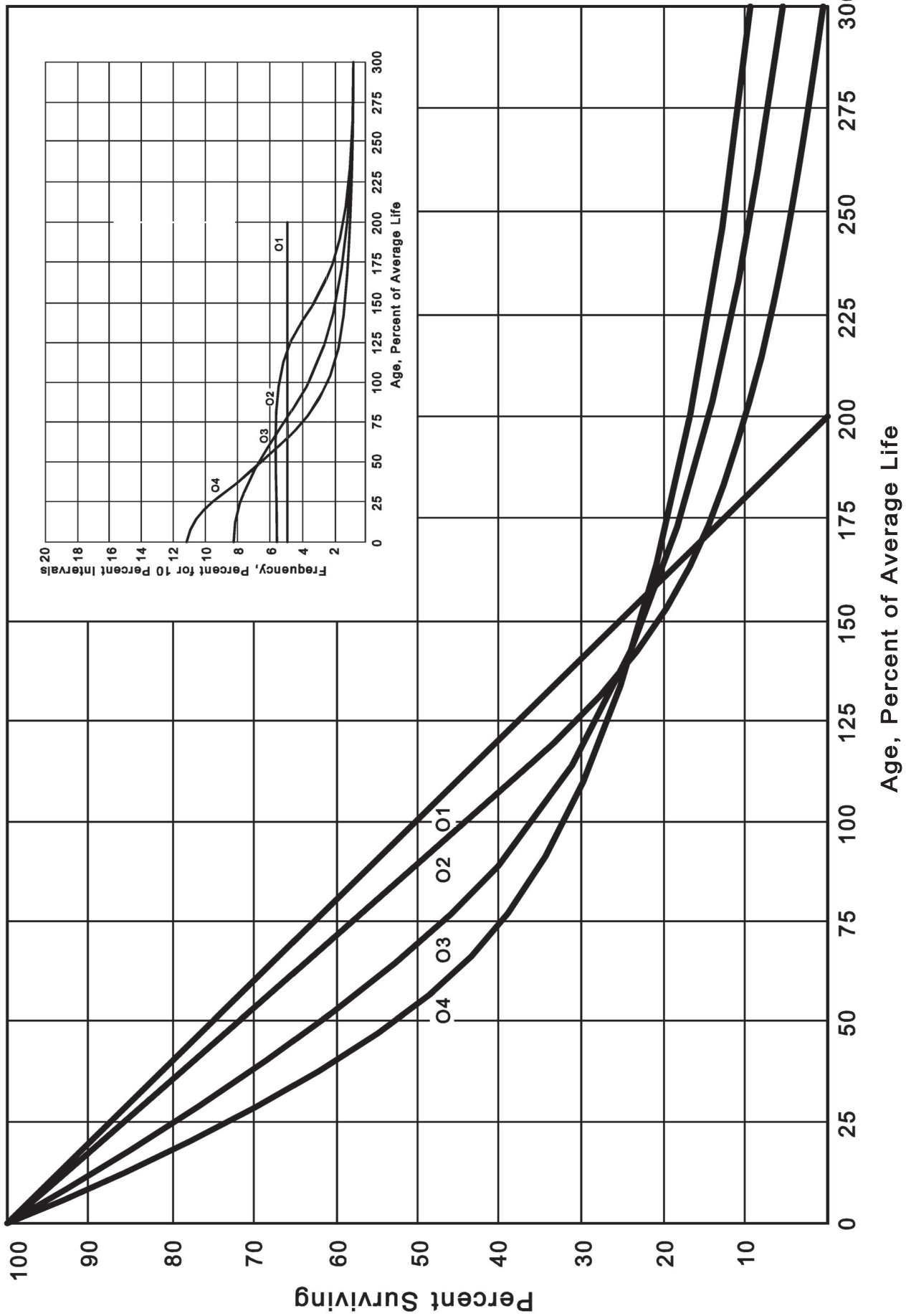


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."¹ In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

Retirement Rate Method of Analysis

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements",² "Engineering Valuation and Depreciation,"³ and "Depreciation Systems."⁴

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual

¹ Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

²Winfrey, Robley, Statistical Analyses of Industrial Property Retirements. Iowa State College Engineering Experiment Station, Bulletin 125. 1935.

³Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

⁴Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

Schedules of Annual Transactions in Plant Records

The property group used to illustrate the retirement rate method is observed for the experience band 2010-2019 during which there were placements in years 2005-2019. To illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on pages II-12 and II-13. In Schedule 1, the year of installation (year placed) and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2005 were retired in 2010. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½-5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2010 retirements of 2005 installations and ending with the 2019 retirements of the 2014 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements but are used in developing the exposures at the beginning of each age interval.

Schedule of Plant Exposed to Retirement

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2010 through 2019 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or addition are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2015 are calculated in the following manner:

Exposures at age 0	= amount of addition	= \$750,000
Exposures at age ½	= \$750,000 - \$ 8,000	= \$742,000
Exposures at age 1½	= \$742,000 - \$18,000	= \$724,000
Exposures at age 2½	= \$724,000 - \$20,000 - \$19,000	= \$685,000
Exposures at age 3½	= \$685,000 - \$22,000	= \$663,000

SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2010-2019
SUMMARIZED BY AGE INTERVAL

Experience Band 2010-2019										Placement Band 2005-2019									
Year	Retirements, Thousands of Dollars										Total During		Age Interval (13)						
	During Year										Age Interval (12)								
	2010 (2)	2011 (3)	2012 (4)	2013 (5)	2014 (6)	2015 (7)	2016 (8)	2017 (9)	2018 (10)	2019 (11)									
Placed (1)																			
2005	10	11	12	13	14	16	23	24	25	26	26	13½-14½							
2006	11	12	13	15	16	18	20	21	22	19	44	12½-13½							
2007	11	12	13	14	16	17	19	21	22	18	64	11½-12½							
2008	8	9	10	11	11	13	14	15	16	17	83	10½-11½							
2009	9	10	11	12	13	14	16	17	19	20	93	9½-10½							
2010	4	9	10	11	12	13	14	15	16	20	105	8½-9½							
2011		5	11	12	13	14	15	16	18	20	113	7½-8½							
2012			6	12	13	15	16	17	19	19	124	6½-7½							
2013				6	13	15	16	17	19	19	131	5½-6½							
2014					7	14	16	17	19	20	143	4½-5½							
2015						8	18	20	22	23	146	3½-4½							
2016							9	20	22	25	150	2½-3½							
2017								11	23	25	151	1½-2½							
2018									11	24	153	½-1½							
2019										13	80	0-½							
Total	53	68	86	106	128	157	196	231	273	308	1,606								

Parenttheses Denote Credit Amount.

SCHEDULE 3. PLANT EXPOSED TO RETIREMENT
JANUARY 1 OF EACH YEAR 2010-2019
SUMMARIZED BY AGE INTERVAL

Experience Band 2010-2019											Placement Band 2005-2019		
Year	Exposures, Thousands of Dollars										Total at Beginning of Age Interval	Age Interval	Age Interval (13)
	Annual Survivors at the Beginning of the Year												
	2010 (2)	2011 (3)	2012 (4)	2013 (5)	2014 (6)	2015 (7)	2016 (8)	2017 (9)	2018 (10)	2019 (11)			
Placed (1)													
2005	255	245	234	222	209	195	239	216	192	167	167	167	13½-14½
2006	279	268	256	243	228	212	194	174	153	131	323	323	12½-13½
2007	307	296	284	271	257	241	224	205	184	162	531	531	11½-12½
2008	338	330	321	311	300	289	276	262	242	226	823	823	10½-11½
2009	376	367	357	346	334	321	307	297	280	261	1,097	1,097	9½-10½
2010	420 ^a	416	407	397	386	374	361	347	332	316	1,503	1,503	8½-9½
2011		460 ^a	455	444	432	419	405	390	374	356	1,952	1,952	7½-8½
2012			510 ^a	504	492	479	464	448	431	412	2,463	2,463	6½-7½
2013				580 ^a	574	561	546	530	501	482	3,057	3,057	5½-6½
2014					660 ^a	653	639	623	628	609	3,789	3,789	4½-5½
2015						750 ^a	742	724	685	663	4,332	4,332	3½-4½
2016							850 ^a	841	821	799	4,955	4,955	2½-3½
2017								960 ^a	949	926	5,719	5,719	1½-2½
2018									1,080 ^a	1,069	6,579	6,579	½-1½
2019										1,220 ^a	7,490	7,490	0-½
Total	1,975	2,382	2,824	3,318	3,872	4,494	5,247	6,017	6,852	7,799	44,780	44,780	

^aAdditions during the year

For the entire experience band 2010-2019, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Table 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

Original Life Table

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule.

The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

Percent surviving at age 4½	=	88.15	
Exposures at age 4½	=	3,789,000	
Retirements from age 4½ to 5½	=	143,000	
Retirement Ratio	=	143,000 ÷ 3,789,000	= 0.0377
Survivor Ratio	=	1.000 - 0.0377	= 0.9623
Percent surviving at age 5½	=	(88.15) x (0.9623)	= 84.83

SCHEDULE 4. ORIGINAL LIFE TABLE
CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2010-2019

Placement Band 2005-2019

(Exposure and Retirement Amounts are in Thousands of Dollars)

Age at Beginning of Interval	Exposures at Beginning of Age Interval	Retirements During Age Interval	Retirement Ratio	Survivor Ratio	Percent Surviving at Beginning of Age Interval
(1)	(2)	(3)	(4)	(5)	(6)
0.0	7,490	80	0.0107	0.9893	100.00
0.5	6,579	153	0.0233	0.9767	98.93
1.5	5,719	151	0.0264	0.9736	96.62
2.5	4,955	150	0.0303	0.9697	94.07
3.5	4,332	146	0.0337	0.9663	91.22
4.5	3,789	143	0.0377	0.9623	88.15
5.5	3,057	131	0.0429	0.9571	84.83
6.5	2,463	124	0.0503	0.9497	81.19
7.5	1,952	113	0.0579	0.9421	77.11
8.5	1,503	105	0.0699	0.9301	72.65
9.5	1,097	93	0.0848	0.9152	67.57
10.5	823	83	0.1009	0.8991	61.84
11.5	531	64	0.1205	0.8795	55.60
12.5	323	44	0.1362	0.8638	48.90
13.5	<u>167</u>	<u>26</u>	0.1557	0.8443	42.24
Total	<u>44,780</u>	<u>1,606</u>			35.66

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless. The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

Smoothing the Original Survivor Curve

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The Iowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the Iowa type curves using visual and mathematical matching to determine the better fitting smooth curves. In Figures 7, 8, and 9, the original curve developed in Table 4 is compared with the L, S, and R Iowa type curves which most nearly fit the original survivor curve. In Figure 7, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 8, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better fitting than the L1. In Figure 9, the R1 type curve with a 12- year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 10, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 Iowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

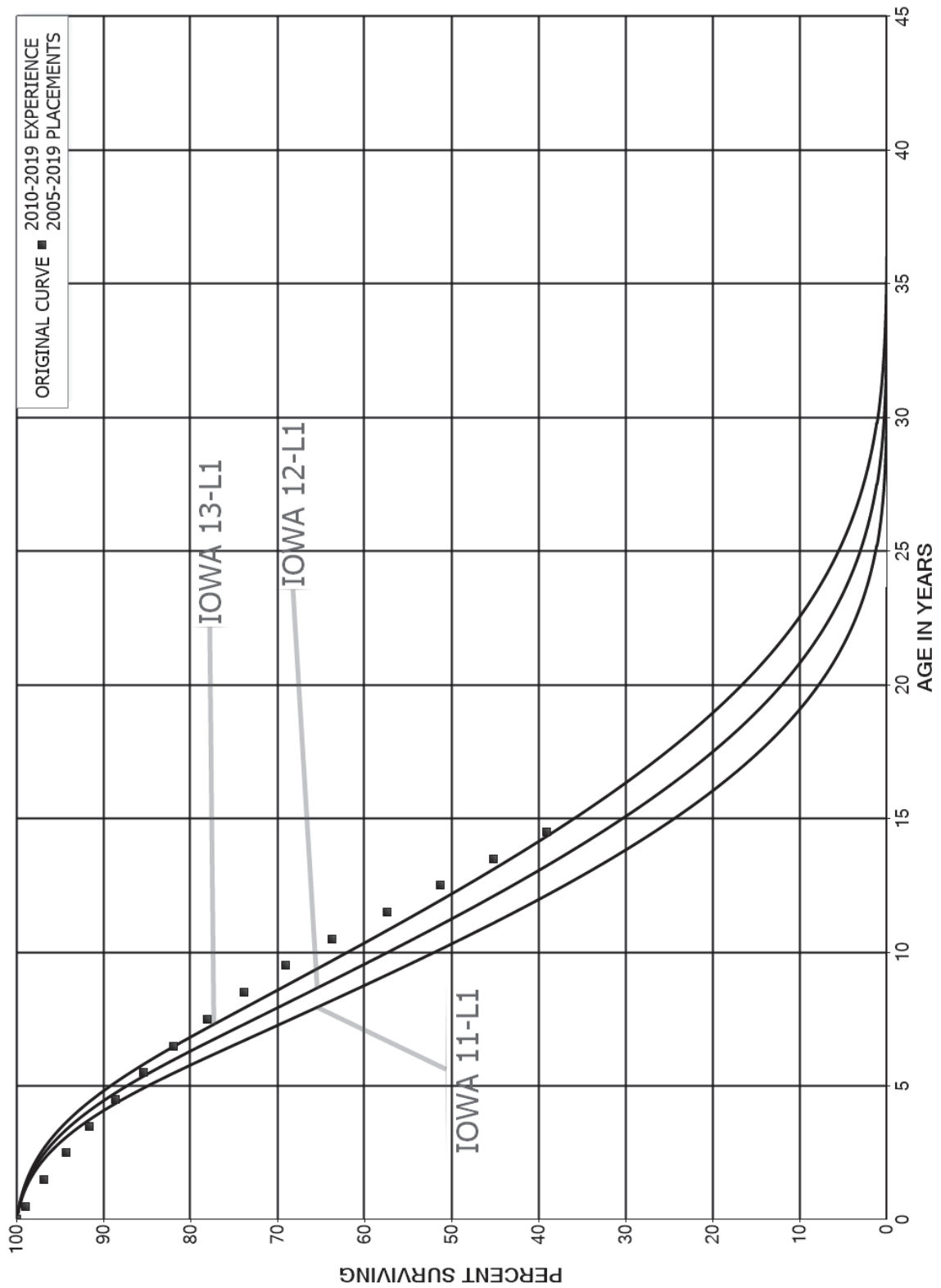


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

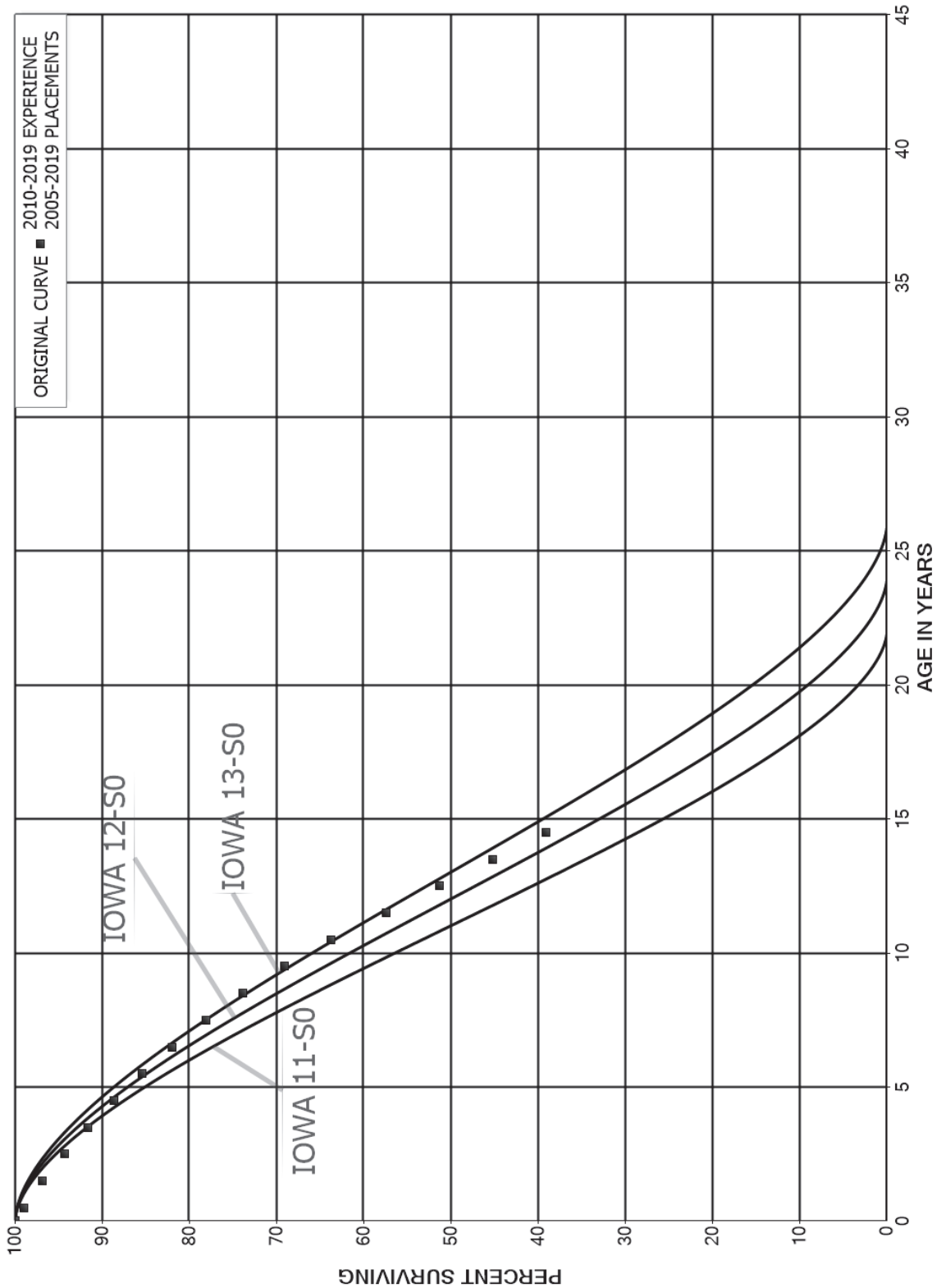


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

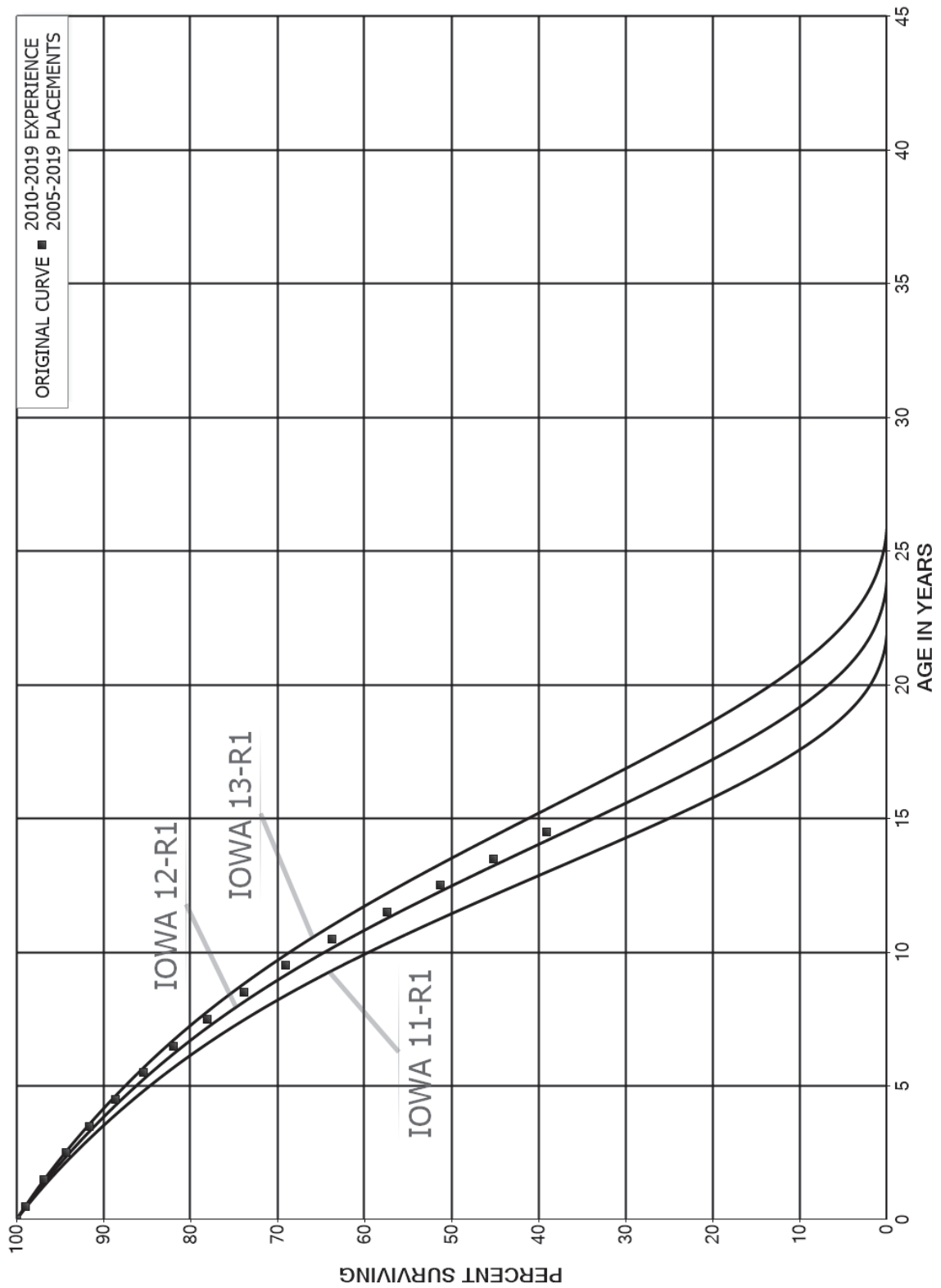


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE
ORIGINAL AND SMOOTH SURVIVOR CURVES

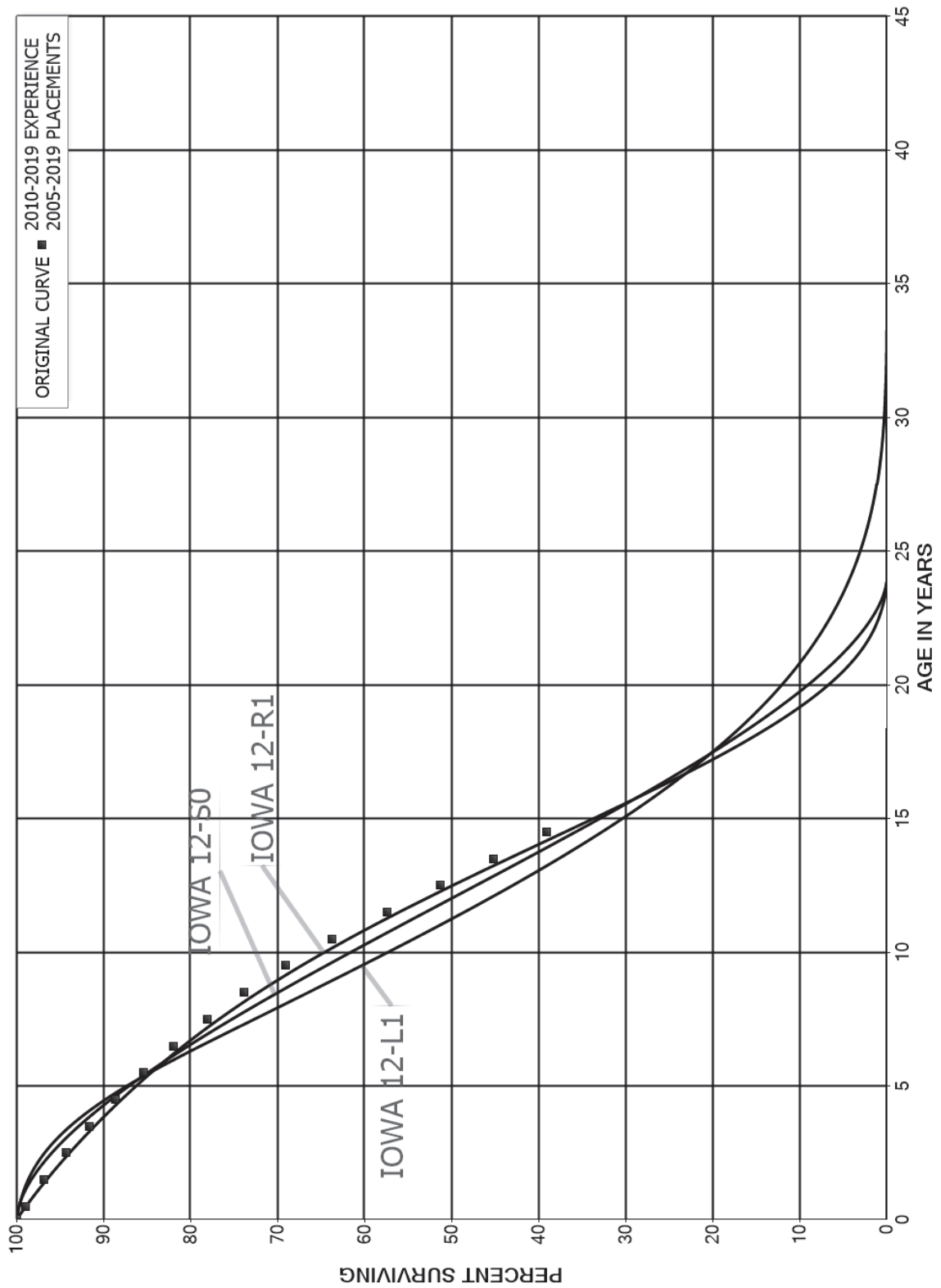
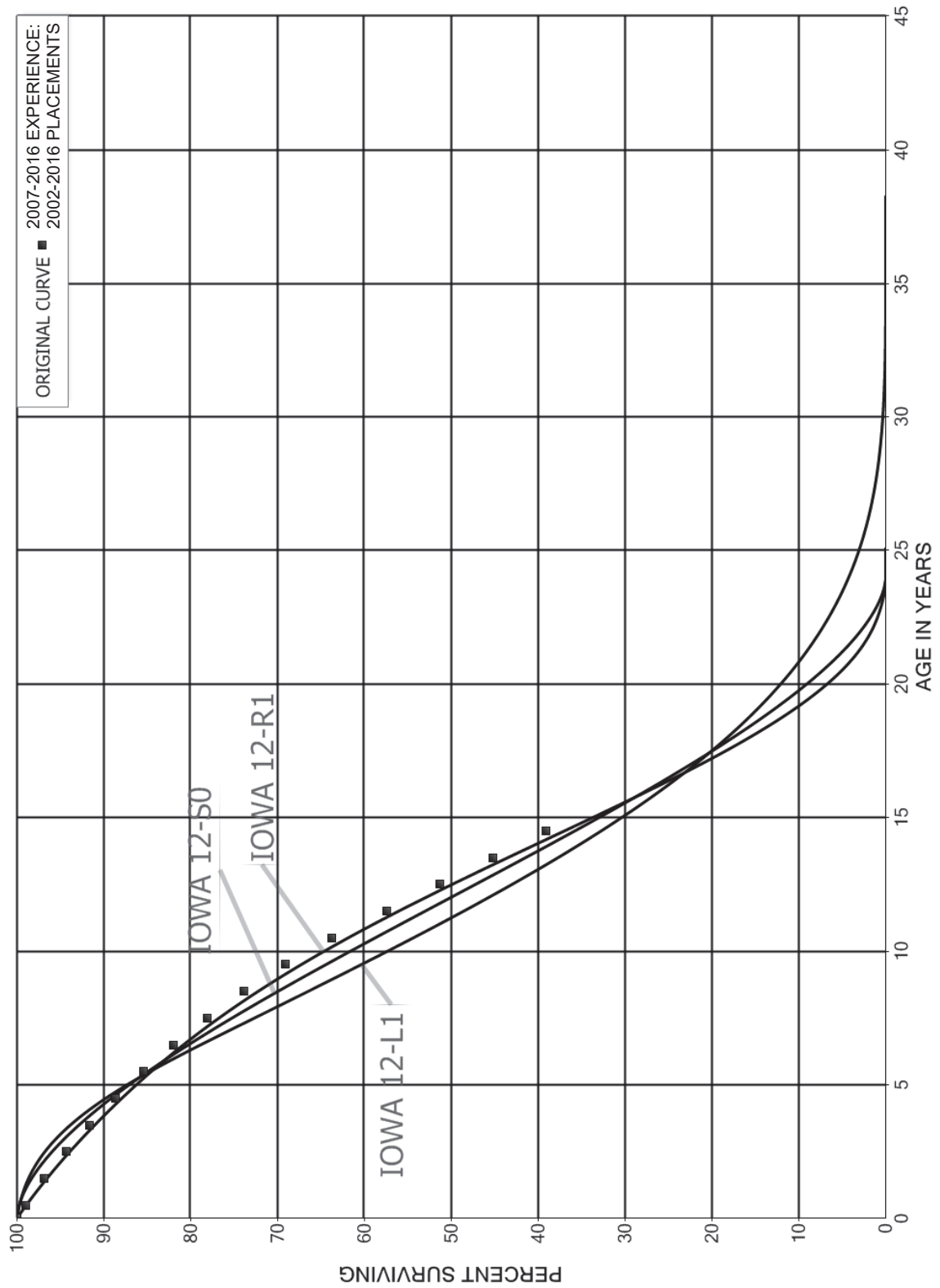


FIGURE 10. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE ORIGINAL AND SMOOTH SURVIVOR CURVES



PART III. SERVICE LIFE CONSIDERATIONS

PART III. SERVICE LIFE CONSIDERATIONS

FIELD TRIPS

In order to be familiar with the operation of the Company and observe representative portions of the plant, a field trip was conducted for the study. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during the most recent field trips.

October 1, 2020

Ramapo Substation
Closter Substation

September 5, 2019

Burns Substation
New Hempstead Substation

June 24, 2014

Tallman Substation
Monsey Substation
West Nyack Substation
Conductor and Pole Replacement Project, Margaret Keolan Drive
Underground Conductor Replacement Project, Theis Lane, Blauvelt, NY

SERVICE LIFE ANALYSIS

The service life estimates were based on informed judgment which considered a number of factors. The primary factors were the statistical analyses of data; current Company policies and outlook as determined during conversations with management; and the survivor curve estimates from previous studies of this company and other electric companies.

For many of the plant accounts and subaccounts for which survivor curves were estimated, the statistical analyses using the retirement rate method resulted in reasonable

indications of the survivor patterns experienced. These accounts represent 70 percent of depreciable plant. Generally, the information external to the statistics led to no significant departure from the indicated survivor curves for the accounts listed below. The statistical support for the service life estimates is presented in the section beginning on page VII-2.

<u>Account No.</u>	<u>Account Description</u>
<u>ELECTRIC PLANT</u>	
TRANSMISSION PLANT	
352	Structures and Improvements
353	Station Equipment
355/355.1	Poles and Fixtures
356/356.1	Overhead Conductors and Devices
358	Underground Conductors and Devices
359	Roads and Trails
DISTRIBUTION PLANT	
361	Structures and Improvements
362	Station Equipment
364	Poles, Towers and Fixtures
365.1	Overhead Conductors and Devices – Capacitors
368	Line Transformers (all subaccounts)
369.1	Services – Overhead
370	Meters
373.1/373.2	Street Lighting and Signal Systems
<u>ELECTRIC, GAS AND COMMON PLANT</u>	
GENERAL PLANT	
390	Structures and Improvements
392.1	Transportation Equipment – Passenger Cars
392.2	Transportation Equipment – Light Trucks
392.3	Transportation Equipment – Heavy Trucks
396	Power Operated Equipment

Account, 362, Station Equipment, is used to illustrate the manner in which the study was conducted for the accounts in the preceding list. Aged plant accounting data have been compiled for most accounts for the years 1952 through 2019. These data have been coded according to account or property group, type of transaction, year in which the

transaction took place and year in which the utility plant was placed in service. The retirements, other plant transactions and plant additions were analyzed by the retirement rate method.

The survivor curve estimate for Account 362, Station Equipment, is the 50-S0 and is based in part on the statistical indication for the period 1952 through 2019 but also incorporates other factors such as information obtained from discussions with Company personnel and experience in the industry for similar assets. The existing estimate for this account is the 45-S0. Assets in this account include transformers, circuit breakers and relays. Retirements are often due to failure but also occur due to upgrades required to meet the load. Assets such as transformers are expected to have similar lives as in the past. However, circuit breakers and relays may have shorter lives than previously experienced. For example, the SF6 breakers that are installed today are not expected to last as long as older oil breakers due to leaks and the inability to repair SF6 breakers. There is also the potential for regulatory changes regarding SF6 gas that could result in shorter lives for these types of breakers. Newer relays are digital equipment, as opposed to the older electromechanical style relays, and are expected to have shorter lives than the older devices.

The data indicates a longer service life than the indications from the previous study, although any increase should be relatively limited based on the considerations discussed above. The 50-S0 represents a reasonable fit of the historical data through the representative data points, as shown on page VII-51; is consistent with management outlook for the assets in this account; and is within the typical range of service lives experienced for station equipment.

Similar studies were performed for the remaining plant accounts. Each of the

judgments represent a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives and survivor curves used by other electric companies. Transactions not expected to be recurring, such as the sales of distribution assets, were not included as retirements in the statistical analysis so that these transactions would not influence the retirements in the original life tables for the respective accounts. For the larger plant accounts, considerations that informed the recommended survivor curves are discussed in the following paragraphs.

For Account 353, Station Equipment, the current estimate is the 45-S0 survivor curve. Similar considerations impact this account as for those discussed above for Account 362. The recommended 45-R1 survivor curve is similar to the current estimate but better matches the representative data points than the current estimate. For Account 355, Poles and Fixtures, which includes subaccounts for wood and steel transmission poles, the current estimate is the 55-R3 survivor curve. The Company has both steel and wood transmission poles. Retirements typically occur as a result of the Company's pole inspection program, line upgrades, damage, reliability and the age of older transmission line structures. The statistical indications for this account are for a longer service life and the recommended 60-R3 is a good fit of the representative data points from the historical data. For Accounts 356 and 356.1, which were studied together, the estimate from the previous study was the 65-R1.5, which is also recommended in this study. The 67-R1 estimate currently used was the result of a settlement agreement and does not fit the historical data as well as the 65-R1.5. The 65-R1.5 survivor curve is also more consistent with Company expectations, as overhead conductor is expected to deteriorate in strength around 60 to 80 years of age. The 65-R1.5 expects an increasing frequency of retirements at these ages, whereas the 67-R1 does not.

For Account 364, Poles, Towers and Fixtures, the estimate in the previous depreciation study was the 55-R1 and the recommended estimate in this study is the 55-R0.5. The estimate used for the Company's current depreciation rates is the 60-R0.5, although this estimate is the result of a settlement agreement. Poles in the account are primarily wood. Retirements occur due to the Company's pole inspection program, capital projects such as reconductoring, automation projects and damage from events such as accidents and storms. Historically, the data indicate that almost all of the assets in the account have retired by 100 years of age. However, the 60-R0.5 survivor curve used for the Company's current depreciation rates anticipates that more than 10% of the assets will survive beyond 100 years of age and some will last almost 120 years. A survivor curve that better reflects the overall life cycle of the assets in this account is more appropriate. The 55-R0.5 survivor curve, which has the same average service life as recommended in the previous study, is recommended for this account.

The estimate in the previous study for Account 365, Overhead Conductors and Devices was the 65-R1.5 survivor curve, although the 70-R1.5 survivor curve was adopted in a settlement agreement and is used for the current depreciation rates. The indications from the analysis of historical data for this account are inconclusive, and so other factors are given more consideration. Most estimates in the industry for this account are for average service lives of 65 years or less. Historically, the Company has replaced overhead conductor for reconductoring projects and conversions. The Company has also begun more replacements for storm hardening and resiliency. Additional devices have also been added and replaced for distribution automation projects. Additionally, the Company typically replaces remaining older copper on the system when work is needed on these lines. Given all of these considerations, most of the assets are expected to have

shorter lives than the older assets in the account have previously experienced and an estimate more typical of the industry is most appropriate. The 65-R1.5 survivor curve that was recommended in the previous study is recommended for this account.

The current estimate for Account 367, Underground Conductors and Devices, is the 60-R4 survivor curve. The statistical analysis for this account is inconclusive, in part because there have been few assets with experience beyond 55 years of age as can be seen in the life table for the account shown on pages VII-70 through VII-72. Estimates for this account used by most other utilities have average service lives of 60 years or less. Underground conductor in subdivisions in O&R's service territory is typically direct buried. The Company currently has an underground replacement program. Many of the assets being replaced were placed in service in the 1960s, 1970s and 1980s and have experienced service lives of 60 years or less. Based on all of these considerations, the recommendation is to continue to use the 60-R4 survivor curve.

Accounts 368.1, 368.2, 368.3 and 368.4, which include overhead and underground line transformers and line transformer installations, were studied together for the purposes of life analysis. The current estimate for these accounts is the 45-R0.5 survivor curve. The statistical analysis indicates that an increase in service life could be appropriate, as better fitting curves of the most representative data points have average service lives closer to 50 years. The Company has more pole mount transformers than pad mount transformers on its system. Pad mount transformers are more susceptible to corrosion, although some of the pad mount transformers are stainless steel. Some newer transformers do not have as strong of construction as older transformers, which could limit any increases in service lives indicated by the data. The recommendation in this study is for the 50-R0.5 survivor curve, which is an increase over the current estimate and

a good fit of the representative portion of the original life table from the statistical analysis.

The recommended service lives for both Account 369.1, Services – Overhead and Account 369.2, Services – Underground are the 65-R3 survivor curve. For Account 369.1, this is the same estimate as the current estimate. For Account 369.2, the current estimate is from a settlement agreement and is the 70-R3 survivor curve, although the 65-R3 was recommended in the previous depreciation study. The data are not conclusive for either account, particularly for underground services as there are limited data for older ages. However, the data do indicate that assets will be retired by age 100, and the current 70-R3 survivor curve estimate for Account 369.20 is inconsistent with that indication. The 65-R3 survivor curve is more consistent with these expectations and with the estimates used by other utilities for these assets, which most commonly have average service lives of 65 years or less.

The selected amortization periods for other General Plant accounts are described in the section “Calculated Annual and Accrued Amortization.”

PART IV. NET SALVAGE CONSIDERATIONS

PART IV. NET SALVAGE CONSIDERATIONS

NET SALVAGE ANALYSIS

The estimates of net salvage by account were based in part on historical data compiled for the years 1986 through 2019. Cost of removal and gross salvage were expressed as percents of the original cost of plant retired, both on annual and three-year moving average bases. The most recent five-year average also was calculated for consideration. The net salvage estimates by account are expressed as a percent of the original cost of plant retired.

Net Salvage Considerations

The estimates of future net salvage are expressed as percentages of surviving plant in service, that is, all future retirements. In cases in which removal costs are expected to exceed gross salvage receipts, a negative net salvage percentage is estimated. The net salvage estimates were based on judgment which incorporated analyses of historical cost of removal and gross salvage data as well as expectations of future removal requirements and markets for retired equipment and materials.

The analyses of historical cost of removal and gross salvage data are presented in the section titled “Net Salvage Statistics” for the plant accounts for which the net salvage estimate relied in part on those analyses. Transactions not expected to be recurring, such as the sales of distribution assets, were not included as retirements in the statistical analysis so that these transactions would not influence the net salvage analysis for the respective accounts.

Statistical analyses of historical data for the period 1986 through 2019 contributed toward the net salvage estimates for the plant accounts listed below, which represent 84 percent of the depreciable plant. For many of these accounts, the net salvage estimates

recommended are conservative (i.e. less negative) when compared to the historical data and particularly the recent historical data.

<u>Account No.</u>	<u>Account Description</u>
<u>ELECTRIC PLANT</u>	
TRANSMISSION PLANT	
352	Structures and Improvements
353	Station Equipment
355/355.1	Poles and Fixtures
356	Overhead Conductors and Devices
358	Underground Conductors and Devices
DISTRIBUTION PLANT	
361	Structures and Improvements
362	Station Equipment
364	Poles, Towers and Fixtures
365.1	Overhead Conductors and Devices – Capacitors
366	Underground Conduit
367	Underground Conductors and Devices
368	Line Transformers (all types)
369.1/369.2	Services – Overhead
370	Meters
371	Installations on Customers' Premises
373.1/373.2	Street Lighting and Signal Systems
<u>ELECTRIC, GAS AND COMMON PLANT</u>	
GENERAL PLANT	
390	Structures and Improvements
392.1/392.2	Transportation Equipment – Cars and Light Trucks
392.3/392.4	Transportation Equipment – Heavy Trucks, Trailers and Truck Mounted Equipment
396	Power Operated Equipment

Account 364, Poles, Towers and Fixtures, will be used to illustrate the methods for estimating net salvage. The net salvage estimate for this account is negative 100 percent which is based in part on the historical analysis of net salvage percents as shown in the tabulation on pages VIII-21 and VIII-22 and the typical range of net salvage estimates used by other electric utilities for similar assets. The existing estimate for this account is negative 95 percent. The historical indication for the period 1983 through 2019

is negative 139 percent. More recent data indicate an even more negative level of negative net salvage. For example, the most recent five-year average is negative 188 percent. The historical data therefore provides support for a more negative net salvage estimate than the existing estimate.

Assets in this account include poles as well as attachments to poles such as crossarms. When a pole is replaced, the pole and its attachments are typically removed from the site for disposal. The costs to remove a pole can be significant, as a multi-person crew and heavy equipment is normally required to complete the work. These cost levels are consistent with the Company's data as well as with the experience of other utilities. Estimates for others in the industry for this account range as negative as negative 150 percent or more. While the historical data could support an estimate more negative than negative 100 percent, a more gradual change is recommended at this time. Based on an understanding of the historical data, information provided by the Company, and the range of estimates used by other utilities, negative 100 percent net salvage is estimated for this account. This is the same estimate as recommended in the previous depreciation study.

The net salvage estimates for the remaining plant accounts were determined using the process described above including historical indications, judgment and review of the typical range of estimates used by other electric companies. The resulting net salvage estimates for each plant account are presented in Table 1 of the report and the net salvage analysis is provided in the section titled "Net Salvage Statistics", beginning on page VIII-2.

The estimates for most accounts are the same as recommended in the previous depreciation study and for those where more negative net salvage estimates are

recommended, the data are supportive of these estimates. O&R's net salvage data have shown an increase in cost of removal over time for many accounts. Higher cost of removal has been driven by various factors, including higher labor costs, permitting and restoration costs, and other work requirements. The net salvage estimates in the study reflect the historical data and these higher levels of removal cost, although in many cases the estimates are conservative when compared to the indications from the data.

PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION

GROUP DEPRECIATION PROCEDURES

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recovered prior to average life is balanced by the cost recovered subsequent to average life.

Single Unit of Property

The calculation of straight-line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10} \right) = \$400.$$

Group Depreciation Procedures

In the average service life procedure, the annual accrual rate is computed by the following equation:

$$\text{Annual Accrual Rate, Percent} = \frac{(100\% - \text{Net Salvage, Percent})}{\text{Average Service Life}}$$

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age and service life. The straight-line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \frac{\text{Average Remaining Life}}{\text{Average Service Life}}$$

CALCULATION OF ANNUAL AND ACCRUED AMORTIZATION

Amortization is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period.

The calculation of annual and accrued amortization requires the selection of an amortization period. The amortization periods used in this report were based on judgment which incorporated consideration of the period during which the assets will provide most of their service, the amortization period and service lives used by other utilities, and the

service life estimates previously used for the asset under depreciation accounting.

Amortization accounting is currently used for several accounts that represent numerous units of property but only a small portion of depreciable utility plant in service. No changes to the existing amortization periods are recommended in the study.

MONITORING OF BOOK ACCUMULATED DEPRECIATION

As stated previously, the calculated accrued depreciation or amortization represents that portion of the depreciable cost which will not be allocated to expense through future depreciation accruals, if current forecasts of service life characteristics and net salvage materialize and are used as a basis for depreciation accounting. Thus, the calculated accrued depreciation provides a measure of the book accumulated depreciation. The use of this measure is recommended in the adjustment of book accumulated depreciation variations (also referred to as “reserve variations”, “reserve variances” or “reserve imbalances”) to insure complete recovery of capital over the life of the property. The adjustment of the annual accrual to correct such variations can be made; however, no adjustment is recommended at this time. The study has estimated reserve variations of negative \$2,232,969 for electric plant and negative \$1,226,189 for common plant as of December 31, 2019 based on the results of the updated service life and net salvage studies.

PART VI. RESULTS OF STUDY

PART VI. RESULTS OF STUDY

QUALIFICATION OF RESULTS

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and net salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight-line whole life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the electric plant and common plant (at 100%) in service as of December 31, 2019. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to December 31, 2019, is reasonable for a period of three to five years.

DESCRIPTION OF DETAILED TABULATIONS

Tables 1 presents a summary of the results of the study as applied to the original cost of electric and common plant as of December 31, 2019. The summary schedules for each business division are presented on pages VI-4 through VI-6 of this report.

The service life estimates were based on informed judgment that incorporated statistical analysis of retirement data, discussions with management and consideration of estimates made for other electric utilities. The results of the statistical analysis of service life are presented in the section beginning on page VII-2 within the supporting documents of this report.

For each depreciable group analyzed by the retirement rate method, a chart depicting the original and estimated survivor curves followed by a tabular presentation of the original life table(s) plotted on the chart. The survivor curves estimated for the depreciable groups are shown as dark smooth curves on the charts. Each smooth survivor curve is denoted by a numeral followed by the curve type designation. The numeral used is the average life derived from the entire curve from 100 percent to zero percent surviving. The titles of the chart indicate the group, the symbol used to plot the points of the original life table, and the experience and placement bands of the life tables which were plotted. The experience band indicates the range of years for which retirements were used to develop the stub survivor curve. The placements indicate, for the related experience band, the range of years of installations that appear in the experience.

The analysis of net salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and gross salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of original costs retired.

The tables of the calculated annual depreciation applicable to depreciable assets as of December 31, 2019 are presented in account sequence starting on page IX-3 of the supporting documents. The tables indicate the estimated survivor curve and net salvage percent for the account and set forth, for each installation year, the original cost, the average service life, the calculated annual rate and accrual, the remaining life, and the calculated accrued depreciation factor and amount.

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE, CALCULATED ANNUAL DEPRECIATION RATES AND ACCRUALS, AND THEORETICAL RESERVE AND RESERVE VARIATION RELATED TO ELECTRIC AND COMMON PLANT AS OF DECEMBER 31, 2019

ELECTRIC PLANT		SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF DECEMBER 31, 2019 (4)	BOOK DEPRECIATION RESERVE (5)	CALCULATED		THEORETICAL RESERVE (8)	RESERVE VARIATION (9)=(5)-(8)	COMPOSITE REMAINING LIFE (10)
ACCOUNT (1)	ANNUAL ACCRUAL AMOUNT (6)					RATE (7)				
TRANSMISSION PLANT										
350.00	LAND AND LAND RIGHTS - EASEMENTS	70 - R3	0	8,046,451.08	5,773,630	115,064	1.43	4,712,772	1,060,858	29.0
352.00	STRUCTURES AND IMPROVEMENTS	65 - R1.5	(15)	11,810,730.25	3,027,141	209,168	1.77	3,224,064	(196,923)	49.5
353.00	STATION EQUIPMENT	45 - R1	(20)	124,063,578.98	36,680,955	3,303,313	2.66	33,781,329	2,899,626	34.8
354.00	TOWERS AND FIXTURES	70 - R4	(30)	10,281,033.00	3,640,582	191,124	1.86	4,623,211	(982,629)	45.7
355.00	POLES AND FIXTURES - WOOD	60 - R3	(50)	47,668,903.17	17,978,235	1,194,106	2.50	18,741,384	(763,149)	44.2
355.10	POLES AND FIXTURES - STEEL	60 - R3	(50)	34,489,856.38	14,503,823	863,971	2.51	12,974,108	1,529,715	44.9
356.00	OVERHEAD CONDUCTORS AND DEVICES	65 - R1.5	(20)	57,816,776.77	12,716,839	1,068,454	1.85	12,753,630	(36,791)	53.0
356.10	OVERHEAD CONDUCTORS AND DEVICES - CLEARING	65 - R1.5	0	1,343,595.13	682,279	20,691	1.54	714,914	(32,635)	30.4
357.00	UNDERGROUND CONDUIT	45 - R3	0	5,384,778.00	1,908,934	119,542	2.22	1,333,553	575,381	33.9
358.00	UNDERGROUND CONDUCTORS AND DEVICES	35 - S3	(5)	15,767,527.51	5,186,988	473,499	3.00	4,761,829	425,159	24.9
359.00	ROADS AND TRAILS	70 - R4	0	1,194,633.28	585,271	17,083	1.43	524,477	60,794	39.2
TOTAL TRANSMISSION PLANT						7,576,015	2.38	98,145,271	4,539,407	40.0
DISTRIBUTION PLANT										
360.00	LAND AND LAND RIGHTS - EASEMENTS	70 - S3	0	1,165,926.72	674,059	16,673	1.43	455,685	218,374	42.6
361.00	STRUCTURES AND IMPROVEMENTS	55 - R3	(15)	15,510,960.40	3,523,146	324,600	2.09	4,276,512	(753,366)	41.8
362.00	STATION EQUIPMENT	50 - S0	(15)	194,758,758.04	53,388,444	4,479,448	2.30	43,809,494	9,578,950	40.2
364.00	POLES, TOWERS AND FIXTURES	55 - R0.5	(100)	173,646,513.01	62,791,309	6,320,733	3.64	33,769,262	(977,953)	44.9
365.00	OVERHEAD CONDUCTORS AND DEVICES	65 - R1.5	(100)	200,872,050.92	58,205,276	6,186,859	3.08	79,530,427	(21,325,151)	52.1
365.10	OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS	30 - R1	(40)	4,795,532.78	1,708,294	223,568	4.66	1,955,896	(247,602)	21.3
366.00	UNDERGROUND CONDUIT	75 - R3	(50)	28,506,356.95	8,689,526	588,702	2.00	9,299,439	(609,913)	58.8
367.00	UNDERGROUND CONDUCTORS AND DEVICES	60 - R4	(50)	141,124,406.85	45,283,769	3,535,147	2.50	53,832,250	(8,548,481)	44.7
368.10	LINE TRANSFORMERS - OVERHEAD	50 - R0.5	(20)	52,927,138.91	17,170,753	1,270,210	2.40	15,294,010	1,876,743	38.0
368.20	LINE TRANSFORMERS - OVERHEAD INSTALLATIONS	50 - R0.5	(20)	29,525,467.39	7,099,041	708,608	2.40	6,193,169	905,872	41.3
368.30	LINE TRANSFORMERS - UNDERGROUND	50 - R0.5	(20)	40,784,813.72	14,875,375	978,836	2.40	9,847,612	5,027,763	39.9
368.40	LINE TRANSFORMERS - UNDERGROUND INSTALLATIONS	50 - R0.5	(20)	14,456,100.88	2,058,894	346,946	2.40	2,199,712	(140,818)	43.7
369.10	SERVICES - OVERHEAD	65 - R3	(110)	16,690,523.04	12,455,702	539,771	3.23	14,429,001	(1,973,299)	38.2
369.20	SERVICES - UNDERGROUND	65 - R3	(110)	26,028,046.52	11,033,131	841,747	3.23	12,656,469	(1,623,338)	49.9
370.12	METERS - AMI	20 - S2	0	26,288,008.85	1,718,221	1,314,400	5.00	1,806,165	(87,944)	18.6
370.22	METER INSTALLATIONS - AMI	20 - S2	0	11,043,849.54	569,690	552,192	5.00	611,545	(41,855)	18.9
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES	45 - R0.5	0	228,371.10	92,126	5,070	2.22	51,816	40,310	34.8
373.10	STREET LIGHTING AND SIGNAL SYSTEMS - OVERHEAD	45 - R0.5	(40)	10,308,337.87	4,681,857	320,383	3.11	3,225,024	1,456,833	35.0
373.20	STREET LIGHTING AND SIGNAL SYSTEMS - UNDERGROUND	45 - R0.5	(40)	6,446,054.89	2,852,591	200,343	3.11	1,904,628	947,963	35.5
TOTAL DISTRIBUTION PLANT						28,734,236	2.89	325,148,116	(16,276,913)	43.3
GENERAL PLANT										
390.00	STRUCTURES AND IMPROVEMENTS	45 - S0	(30)	7,527,087.84	2,388,811	215,607	2.86	2,308,443	80,368	34.7
TRANSPORTATION EQUIPMENT										
392.10	PASSENGER CARS	12 - S2.5	10	651,206.09	502,223	48,821	7.50	170,994	331,229	8.5
392.20	LIGHT TRUCKS	10 - S1	10	9,456,205.23	6,831,627	851,058	9.00	3,795,154	3,036,473	5.5
392.30	HEAVY TRUCKS	14 - L3	5	17,056,571.81	11,747,176	1,156,947	6.78	6,898,836	4,848,340	8.0
392.40	TRAILERS AND TRUCK MOUNTED EQUIPMENT	14 - L3	5	1,922,104.74	1,289,866	130,376	6.78	961,495	328,371	6.6
TOTAL TRANSPORTATION EQUIPMENT						2,187,202	7.52	11,826,479	8,544,413	7.0
396.00	POWER OPERATED EQUIPMENT	18 - R3	15	651,154.79	1,249,779	28,017	4.30	433,558	816,221	4.3
396.10	POWER OPERATED EQUIPMENT - NON FLEET	18 - R3	15	283,443.81	220,674	13,396	4.73	157,138	63,536	6.3
TOTAL GENERAL PLANT						2,444,222	6.51	14,725,618	9,504,538	9.4
TOTAL DEPRECIABLE ELECTRIC PLANT						38,754,473	2.87	438,019,005	(2,232,969)	40.5
COMMON PLANT										
389.00	LAND AND LAND RIGHTS - EASEMENTS	50 - R3	0	15,966.05	12,933	319	2.00	11,849	1,084	12.9
390.00	STRUCTURES AND IMPROVEMENTS	45 - S0	(30)	83,501,247.85	22,579,337	2,407,466	2.88	27,087,849	(4,508,512)	33.8

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE, CALCULATED ANNUAL DEPRECIATION RATES AND ACCRUALS, AND THEORETICAL RESERVE AND RESERVE VARIATION RELATED TO ELECTRIC AND COMMON PLANT AS OF DECEMBER 31, 2019

ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF DECEMBER 31, 2019 (4)	BOOK DEPRECIATION RESERVE (5)	CALCULATED ANNUAL ACCRUAL AMOUNT (6)	RATE (7)	THEORETICAL RESERVE (8)	RESERVE VARIATION (9)=(5)-(8)	COMPOSITE REMAINING LIFE (10)
TRANSPORTATION EQUIPMENT									
392.10 PASSENGER CARS	12 - S2.5	10	3,850,717.76	1,583,112	288,688	7.50	1,065,207	517,905	8.3
392.20 LIGHT TRUCKS	10 - S1	10	6,682,348.30	6,526,489	601,411	9.00	3,827,882	2,698,607	3.6
392.30 HEAVY TRUCKS	14 - L3	5	3,540,946.71	963,111	240,182	6.78	856,912	106,199	10.4
392.40 TRAILERS AND TRUCK MOUNTED EQUIPMENT	14 - L3	5	154,892.81	152,738	10,205	6.59	97,601	55,137	4.9
TOTAL TRANSPORTATION EQUIPMENT			14,228,905.58	9,225,450	1,140,486	8.02	5,847,602	3,377,848	6.3
396.00 POWER OPERATED EQUIPMENT	18 - R3	15	2,509,427.47	963,897	115,868	4.62	1,081,944	(98,047)	9.2
396.10 POWER OPERATED EQUIPMENT - NON FLEET	18 - R3	15	200,692.25	107,925	9,312	4.64	106,487	1,438	6.9
TOTAL DEPRECIABLE COMMON PLANT			100,456,239.20	32,889,542	3,673,471	3.66	34,115,731	(1,226,189)	24.4
TOTAL DEPRECIABLE ELECTRIC AND COMMON PLANT			1,450,979,095.44	468,675,578	42,427,944	2.92	472,134,736	(3,459,158)	39.1
NONDEPRECIABLE AND ACCOUNTS NOT STUDIED									
ELECTRIC PLANT									
302.00 FRANCHISES AND CONSENTS			20,656.75						
303.00 SOFTWARE			45,287,323.67	26,389,004					
350.09 LAND AND LAND RIGHTS - EASEMENT (FUTURE USE)			92,701.03	51,138					
350.10 LAND AND LAND RIGHTS - FEE			1,023,787.29	55,871					
360.09 LAND AND LAND RIGHTS - EASEMENT (FUTURE USE)			61,855.24						
360.10 LAND AND LAND RIGHTS - FEE			6,523,015.13						
360.19 LAND AND LAND RIGHTS - FEE (FUTURE USE)			7,947,521.93						
367.10 UNDERGROUND CONDUCTORS AND DEVICES - CABLE CURE			9,561,674.81	9,561,675					
370.10 METERS - ELECTROMECHANICAL			1,803,375.40	(4,988,574)					
370.11 METERS - SOLID STATE			5,311,831.76	(2,201,472)					
370.15 METERS - ELECTROMECHANICAL - UNRECOVERED			-	437,667					
370.16 METERS - SOLID STATE - UNRECOVERED			-	447,133					
370.20 METER INSTALLATIONS - ELECTROMECHANICAL			706,381.55	(1,823,558)					
370.21 METER INSTALLATIONS - SOLID STATE			6,043,679.44	(2,630,400)					
370.25 METER INSTALLATIONS - ELECTROMECHANICAL - UNRECOVERED			-	166,133					
370.26 METER INSTALLATIONS - SOLID STATE - UNRECOVERED			-	519,533					
371.10 PALISADES WALL METERING			290,358.70	290,359					
389.10 LAND AND LAND RIGHTS - FEE			15,415.67						
391.10 OFFICE FURNITURE AND EQUIPMENT - FURNITURE			516,303.10	30,280					
391.20 OFFICE FURNITURE AND EQUIPMENT - BUSINESS MACHINES			38,971.86	7,937					
391.70 OFFICE FURNITURE AND EQUIPMENT - EDP EQUIPMENT			3,417,724.81	1,163,788					
391.71 OFFICE FURNITURE AND EQUIPMENT - NON PC EQUIPMENT			0.00	199,387					
391.80 OFFICE FURNITURE AND EQUIPMENT - E.C.C.			6,543,597.52	4,529,363					
393.00 STORES EQUIPMENT			6,617.71	830					
394.00 TOOLS, SHOP AND GARAGE EQUIPMENT			4,037,889.28	1,637,732					
395.00 LABORATORY EQUIPMENT			4,685,790.66	1,326,143					
397.00 COMMUNICATION EQUIPMENT			7,360,030.63	1,221,008					
397.10 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER			415,486.11	300,632					
398.00 MISCELLANEOUS EQUIPMENT			1,786,416.04	389,596					
397.20 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT			0.00	(21,549)					
TOTAL ELECTRIC PLANT			113,298,406.09	37,049,618					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVE, NET SALVAGE PERCENT, ORIGINAL COST, BOOK DEPRECIATION RESERVE, CALCULATED ANNUAL DEPRECIATION RATES AND ACCRUALS, AND THEORETICAL RESERVE AND RESERVE VARIATION RELATED TO ELECTRIC AND COMMON PLANT AS OF DECEMBER 31, 2019

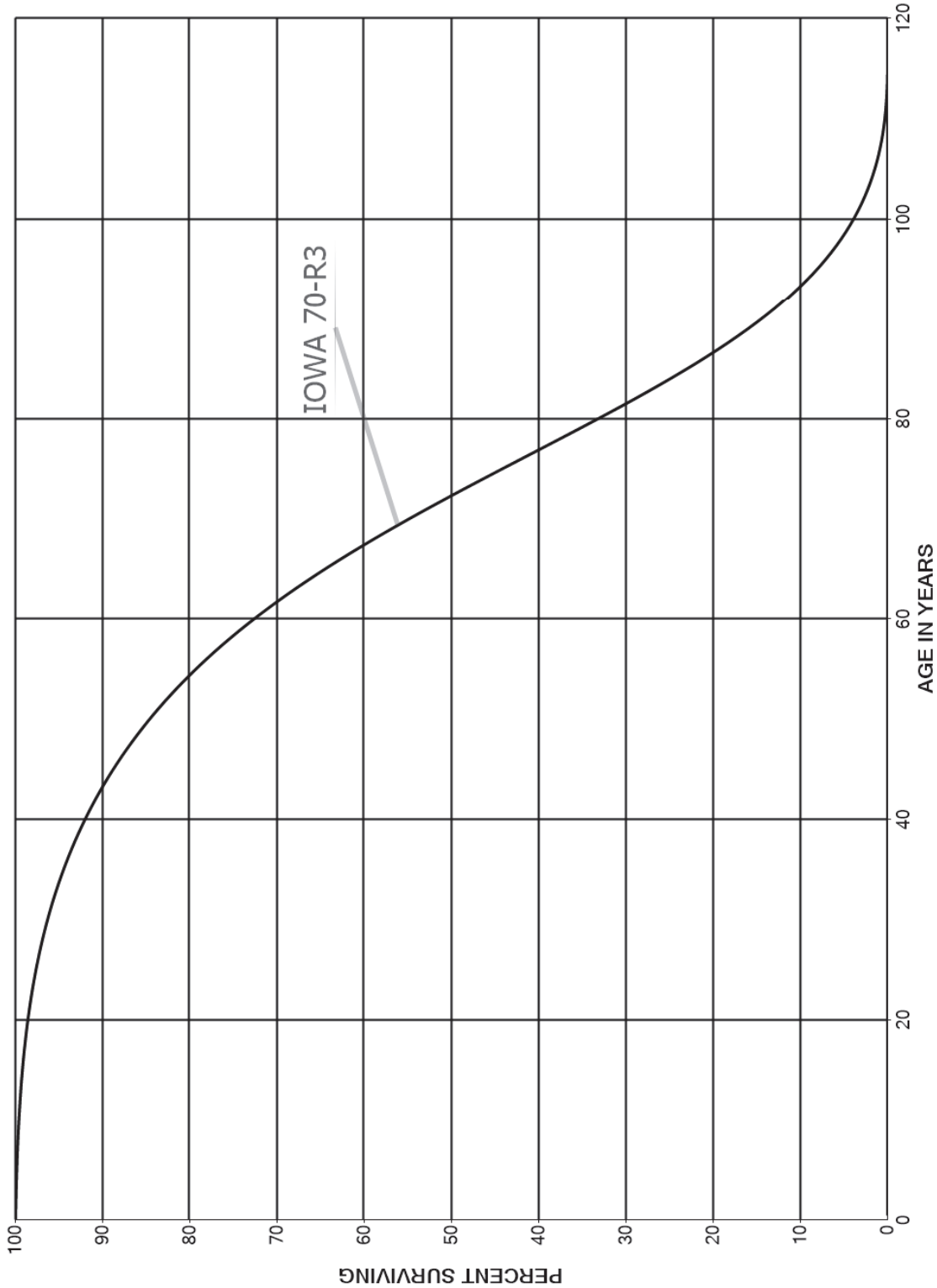
ACCOUNT (1)	SURVIVOR CURVE (2)	NET SALVAGE PERCENT (3)	ORIGINAL COST AS OF DECEMBER 31, 2019 (4)	BOOK DEPRECIATION RESERVE (5)	CALCULATED ANNUAL ACCRUAL AMOUNT (6)	THEORETICAL RESERVE (8)	RESERVE VARIATION (9)=(5)-(8)	COMPOSITE REMAINING LIFE (10)
COMMON PLANT								
301.00 ORGANIZATION			20,916.39					
303.00 SOFTWARE			122,694,071.96	78,697,234				
388.10 LAND AND LAND RIGHTS - FEE			790,237.58					
389.50 LAND AND LAND RIGHTS - MOMBASHA			17,121.66	15,855				
390.10 LEASEHOLD IMPROVEMENTS			1,657,906.59	1,454,424				
391.10 OFFICE FURNITURE AND EQUIPMENT - FURNITURE			4,806,666.40	1,052,574				
391.20 OFFICE FURNITURE AND EQUIPMENT - BUSINESS MACHINES			1,194,773.93	307,674				
391.30 OFFICE FURNITURE AND EQUIPMENT - BUSINESS MACHINES			157,884.97	103,844				
391.70 OFFICE FURNITURE AND EQUIPMENT - EDP EQUIPMENT			17,462,425.48	7,722,721				
391.71 OFFICE FURNITURE AND EQUIPMENT - NON PC EQUIPMENT			13,178.36	18,767				
393.00 STORES EQUIPMENT			997,888.94	143,024				
394.00 TOOLS, SHOP AND GARAGE EQUIPMENT			1,085,292.38	493,097				
394.20 GARAGE EQUIPMENT			6,669,691.38	967,019				
395.00 LABORATORY EQUIPMENT			2,564,900.66	717,892				
397.00 COMMUNICATION EQUIPMENT			21,325,422.89	6,989,197				
397.10 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER			2,856,245.27	1,416,196				
397.20 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT			5,577,535.76	604,098				
398.00 MISCELLANEOUS EQUIPMENT			3,250,603.04	988,980				
TOTAL COMMON PLANT			193,142,763.64	101,672,596				
TOTAL NONDEPRECIABLE AND ACCOUNTS NOT STUDIED			306,441,169.73	138,722,213				
TOTAL ELECTRIC AND COMMON PLANT			1,757,420,265.17	607,397,792				

NOTE: NEW ADDITIONS IN ACCOUNTS 351 AND 363 WILL USE A RATE OF 6.67% BASED ON A 15-S2.5 SURVIVOR CURVE AND 0% NET SALVAGE.

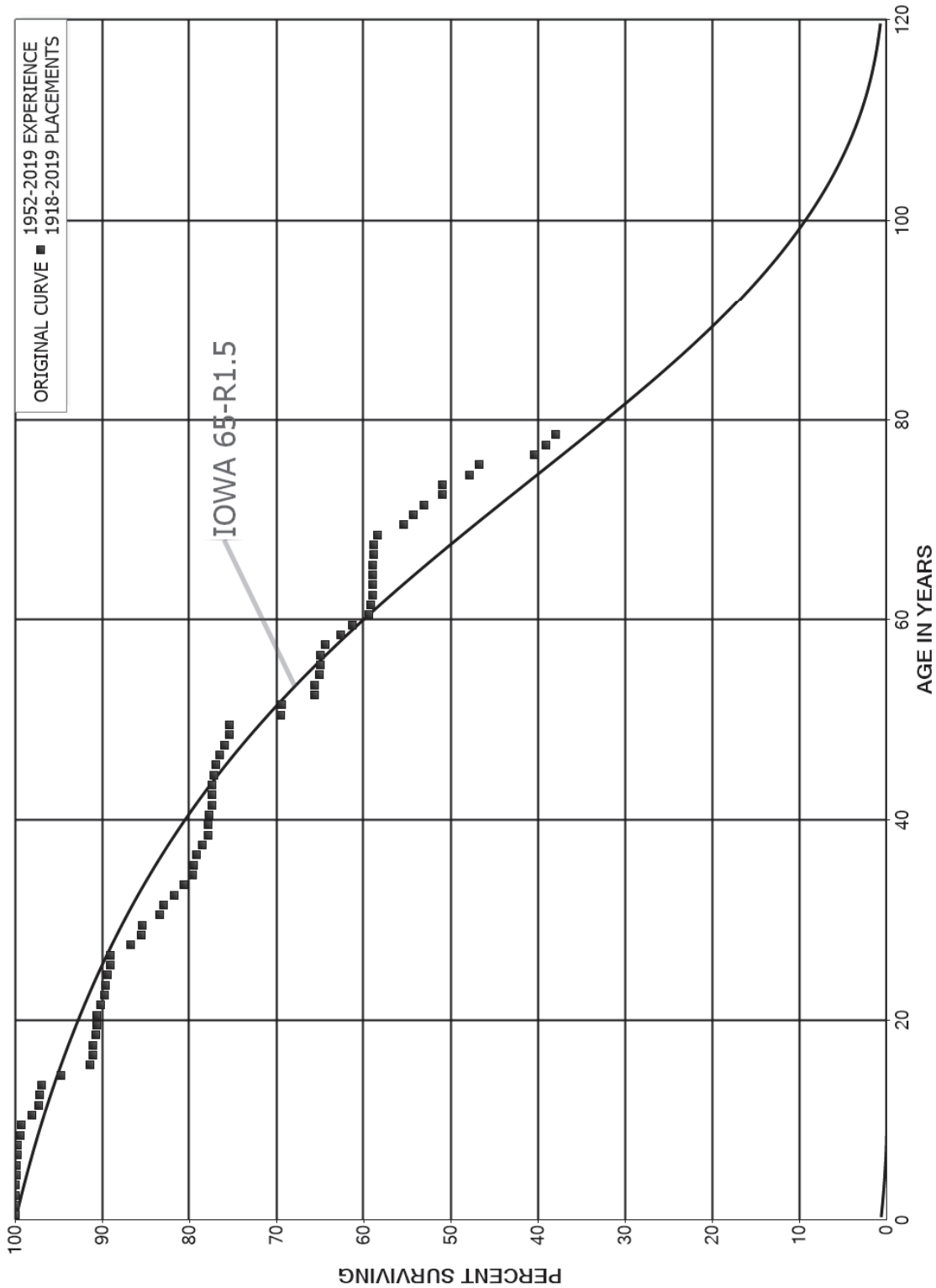
PART VII. SERVICE LIFE STATISTICS

ELECTRIC PLANT

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 350.00 LAND AND LAND RIGHTS - EASEMENTS
SMOOTH SURVIVOR CURVE



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1918-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	15,596,055		0.0000	1.0000	100.00
0.5	15,568,021		0.0000	1.0000	100.00
1.5	15,475,094	1,511	0.0001	0.9999	100.00
2.5	14,972,729		0.0000	1.0000	99.99
3.5	12,775,195	18,544	0.0015	0.9985	99.99
4.5	12,202,508	7,420	0.0006	0.9994	99.85
5.5	12,195,088	5,072	0.0004	0.9996	99.78
6.5	12,144,315	4,501	0.0004	0.9996	99.74
7.5	12,000,776	40,209	0.0034	0.9966	99.71
8.5	10,505,318	11,852	0.0011	0.9989	99.37
9.5	10,143,389	121,884	0.0120	0.9880	99.26
10.5	9,987,259	78,625	0.0079	0.9921	98.07
11.5	9,605,653	16,039	0.0017	0.9983	97.29
12.5	9,402,400	20,339	0.0022	0.9978	97.13
13.5	9,253,262	213,996	0.0231	0.9769	96.92
14.5	8,198,595	282,825	0.0345	0.9655	94.68
15.5	6,891,327	24,203	0.0035	0.9965	91.41
16.5	6,840,456	3,287	0.0005	0.9995	91.09
17.5	5,911,207	23,299	0.0039	0.9961	91.05
18.5	5,693,985	1,631	0.0003	0.9997	90.69
19.5	5,487,162	2,920	0.0005	0.9995	90.67
20.5	5,162,007	25,569	0.0050	0.9950	90.62
21.5	5,153,082	26,104	0.0051	0.9949	90.17
22.5	5,121,835	4,753	0.0009	0.9991	89.71
23.5	5,198,939	13,383	0.0026	0.9974	89.63
24.5	5,008,907	15,756	0.0031	0.9969	89.40
25.5	4,988,457	71	0.0000	1.0000	89.12
26.5	4,989,006	136,801	0.0274	0.9726	89.11
27.5	4,791,547	62,085	0.0130	0.9870	86.67
28.5	4,722,076	8,758	0.0019	0.9981	85.55
29.5	4,604,626	104,925	0.0228	0.9772	85.39
30.5	4,053,995	23,514	0.0058	0.9942	83.44
31.5	4,030,481	60,577	0.0150	0.9850	82.96
32.5	3,946,645	50,828	0.0129	0.9871	81.71
33.5	3,895,830	49,477	0.0127	0.9873	80.66
34.5	3,753,766	6,697	0.0018	0.9982	79.64
35.5	3,742,016	14,616	0.0039	0.9961	79.49
36.5	3,727,400	34,049	0.0091	0.9909	79.18
37.5	3,277,271	24,544	0.0075	0.9925	78.46
38.5	2,941,540	1,312	0.0004	0.9996	77.87

ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1918-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	2,873,352	2,797	0.0010	0.9990	77.84
40.5	2,868,750	11,587	0.0040	0.9960	77.76
41.5	2,849,803	2,943	0.0010	0.9990	77.45
42.5	2,729,654	146	0.0001	0.9999	77.37
43.5	2,468,030	6,842	0.0028	0.9972	77.36
44.5	2,252,744	6,156	0.0027	0.9973	77.15
45.5	1,999,716	10,938	0.0055	0.9945	76.94
46.5	1,962,352	15,138	0.0077	0.9923	76.52
47.5	1,359,663	10,366	0.0076	0.9924	75.93
48.5	541,272		0.0000	1.0000	75.35
49.5	476,637	37,094	0.0778	0.9222	75.35
50.5	431,805	481	0.0011	0.9989	69.48
51.5	343,833	18,939	0.0551	0.9449	69.41
52.5	324,894		0.0000	1.0000	65.58
53.5	319,732	2,288	0.0072	0.9928	65.58
54.5	310,098	927	0.0030	0.9970	65.12
55.5	285,662		0.0000	1.0000	64.92
56.5	285,662	2,486	0.0087	0.9913	64.92
57.5	281,239	7,413	0.0264	0.9736	64.36
58.5	246,819	5,459	0.0221	0.9779	62.66
59.5	219,039	6,781	0.0310	0.9690	61.27
60.5	168,895	636	0.0038	0.9962	59.38
61.5	168,196	620	0.0037	0.9963	59.15
62.5	167,436	88	0.0005	0.9995	58.93
63.5	165,538		0.0000	1.0000	58.90
64.5	162,841		0.0000	1.0000	58.90
65.5	138,613	38	0.0003	0.9997	58.90
66.5	138,575	68	0.0005	0.9995	58.89
67.5	138,017	1,001	0.0073	0.9927	58.86
68.5	137,016	7,166	0.0523	0.9477	58.43
69.5	129,850	2,625	0.0202	0.9798	55.38
70.5	125,274	2,710	0.0216	0.9784	54.26
71.5	105,843	4,139	0.0391	0.9609	53.08
72.5	101,704		0.0000	1.0000	51.01
73.5	101,704	6,285	0.0618	0.9382	51.01
74.5	95,419	2,213	0.0232	0.9768	47.85
75.5	93,206	12,661	0.1358	0.8642	46.74
76.5	80,545	2,751	0.0342	0.9658	40.40
77.5	77,591	2,227	0.0287	0.9713	39.02
78.5	74,884		0.0000	1.0000	37.90

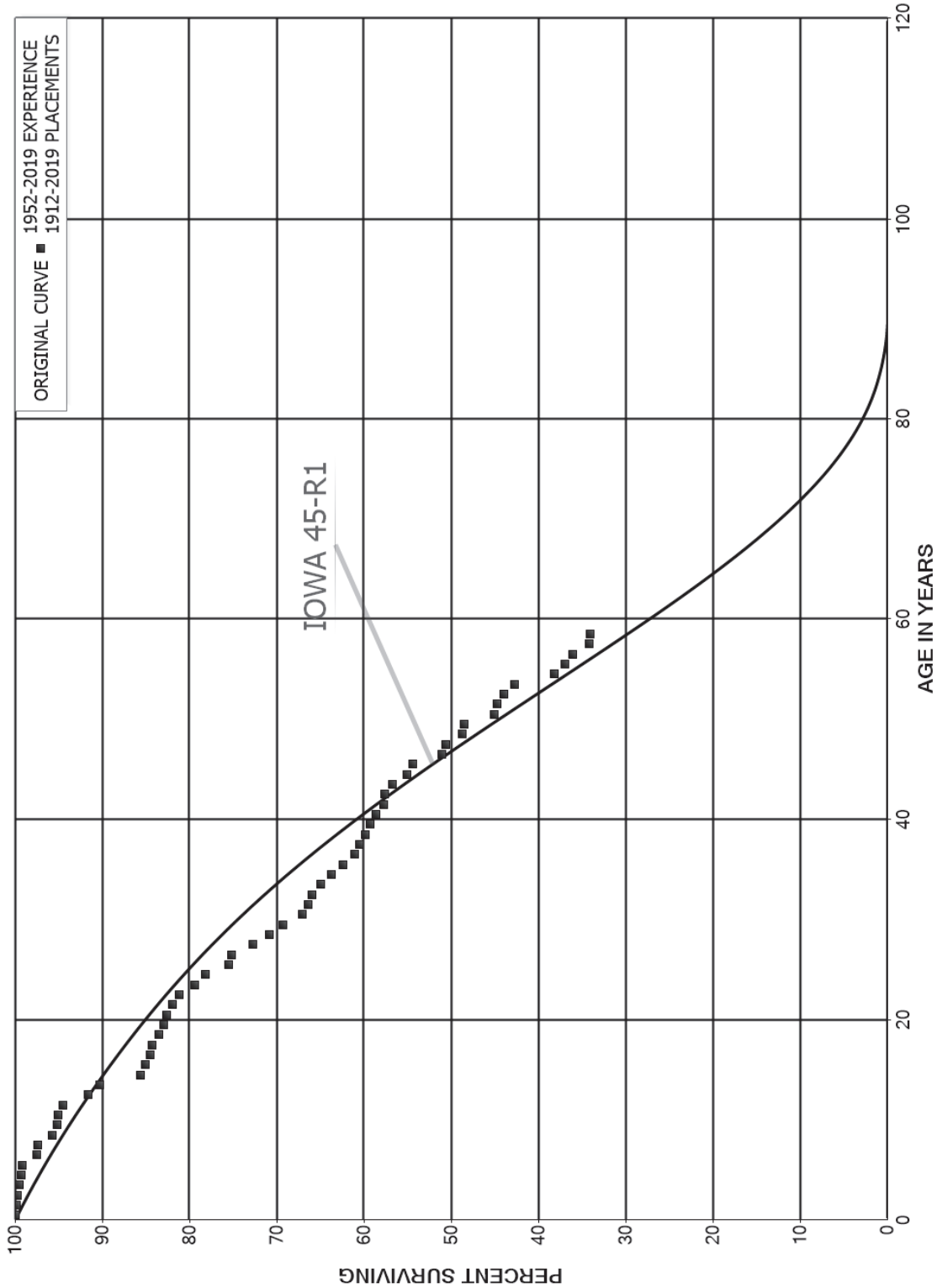
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1918-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	74,884	13	0.0000	1.0000	37.90
80.5	74,884		0.0002	0.9998	37.90
81.5	74,871		0.0000	1.0000	37.89
82.5	74,871		0.0000	1.0000	37.89
83.5	74,871		0.0000	1.0000	37.89
84.5	74,871		0.0000	1.0000	37.89
85.5	74,871		0.0000	1.0000	37.89
86.5	74,871		0.0000	1.0000	37.89
87.5	74,871		0.0000	1.0000	37.89
88.5	74,871		0.0000	1.0000	37.89
89.5	73,703		0.0000	1.0000	37.89
90.5	72,320		0.0000	1.0000	37.89
91.5	291		0.0000	1.0000	37.89
92.5					37.89

ORANGE AND ROCKLAND UTILITIES, INC.
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ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 353.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1912-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	172,335,422		0.0000	1.0000	100.00
0.5	160,150,138	270,623	0.0017	0.9983	100.00
1.5	149,065,185	227,382	0.0015	0.9985	99.83
2.5	145,111,452	241,940	0.0017	0.9983	99.68
3.5	130,369,998	238,944	0.0018	0.9982	99.51
4.5	129,158,404	262,110	0.0020	0.9980	99.33
5.5	128,271,663	2,075,977	0.0162	0.9838	99.13
6.5	122,619,874	226,245	0.0018	0.9982	97.52
7.5	120,285,841	1,983,037	0.0165	0.9835	97.34
8.5	97,921,622	540,147	0.0055	0.9945	95.74
9.5	96,875,394	196,796	0.0020	0.9980	95.21
10.5	94,496,964	501,259	0.0053	0.9947	95.02
11.5	91,117,499	2,781,595	0.0305	0.9695	94.51
12.5	86,190,906	1,213,119	0.0141	0.9859	91.63
13.5	82,839,789	4,357,647	0.0526	0.9474	90.34
14.5	76,623,333	429,073	0.0056	0.9944	85.59
15.5	73,323,607	476,614	0.0065	0.9935	85.11
16.5	71,857,562	247,519	0.0034	0.9966	84.55
17.5	68,180,218	569,881	0.0084	0.9916	84.26
18.5	53,496,386	402,822	0.0075	0.9925	83.56
19.5	50,334,268	187,099	0.0037	0.9963	82.93
20.5	49,689,496	435,585	0.0088	0.9912	82.62
21.5	49,237,348	418,586	0.0085	0.9915	81.90
22.5	48,720,948	1,070,480	0.0220	0.9780	81.20
23.5	47,404,853	748,084	0.0158	0.9842	79.42
24.5	46,219,695	1,587,986	0.0344	0.9656	78.16
25.5	44,441,650	196,804	0.0044	0.9956	75.48
26.5	43,881,901	1,388,744	0.0316	0.9684	75.14
27.5	41,878,617	1,125,578	0.0269	0.9731	72.77
28.5	37,883,876	833,213	0.0220	0.9780	70.81
29.5	36,565,553	1,141,442	0.0312	0.9688	69.25
30.5	33,518,052	350,141	0.0104	0.9896	67.09
31.5	33,119,856	203,989	0.0062	0.9938	66.39
32.5	32,801,758	511,258	0.0156	0.9844	65.98
33.5	31,995,079	617,753	0.0193	0.9807	64.95
34.5	30,806,844	624,604	0.0203	0.9797	63.70
35.5	30,108,006	661,784	0.0220	0.9780	62.41
36.5	29,342,595	246,351	0.0084	0.9916	61.04
37.5	24,856,222	301,870	0.0121	0.9879	60.52
38.5	22,094,725	190,177	0.0086	0.9914	59.79

ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 353.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	21,070,383	228,268	0.0108	0.9892	59.27
40.5	20,287,893	329,143	0.0162	0.9838	58.63
41.5	19,908,727	41,321	0.0021	0.9979	57.68
42.5	19,495,789	291,420	0.0149	0.9851	57.56
43.5	17,605,045	522,915	0.0297	0.9703	56.70
44.5	15,865,956	169,004	0.0107	0.9893	55.02
45.5	14,449,717	897,835	0.0621	0.9379	54.43
46.5	12,617,938	95,038	0.0075	0.9925	51.05
47.5	10,593,177	408,804	0.0386	0.9614	50.66
48.5	6,759,531	24,023	0.0036	0.9964	48.71
49.5	4,941,212	358,241	0.0725	0.9275	48.53
50.5	4,163,179	25,928	0.0062	0.9938	45.02
51.5	3,704,861	65,205	0.0176	0.9824	44.74
52.5	3,610,762	102,870	0.0285	0.9715	43.95
53.5	3,356,099	354,435	0.1056	0.8944	42.70
54.5	2,535,200	83,537	0.0330	0.9670	38.19
55.5	2,012,522	49,990	0.0248	0.9752	36.93
56.5	1,961,889	97,278	0.0496	0.9504	36.01
57.5	1,854,727	7,878	0.0042	0.9958	34.23
58.5	1,601,331	110,748	0.0692	0.9308	34.08
59.5	1,489,604	27,716	0.0186	0.9814	31.72
60.5	1,109,271	14,076	0.0127	0.9873	31.13
61.5	1,080,826	33,487	0.0310	0.9690	30.74
62.5	915,506	10,921	0.0119	0.9881	29.79
63.5	857,268	3,095	0.0036	0.9964	29.43
64.5	843,963	45,548	0.0540	0.9460	29.32
65.5	733,155	13,406	0.0183	0.9817	27.74
66.5	719,749	3,015	0.0042	0.9958	27.23
67.5	374,804	11,155	0.0298	0.9702	27.12
68.5	361,410	39,277	0.1087	0.8913	26.31
69.5	314,092	775	0.0025	0.9975	23.45
70.5	250,286	7,928	0.0317	0.9683	23.40
71.5	230,284	4,829	0.0210	0.9790	22.65
72.5	224,410	4,927	0.0220	0.9780	22.18
73.5	219,483	22,935	0.1045	0.8955	21.69
74.5	194,118	10,451	0.0538	0.9462	19.43
75.5	180,021	2,171	0.0121	0.9879	18.38
76.5	177,817	6,612	0.0372	0.9628	18.16
77.5	170,022	2,062	0.0121	0.9879	17.48
78.5	167,944	5,146	0.0306	0.9694	17.27

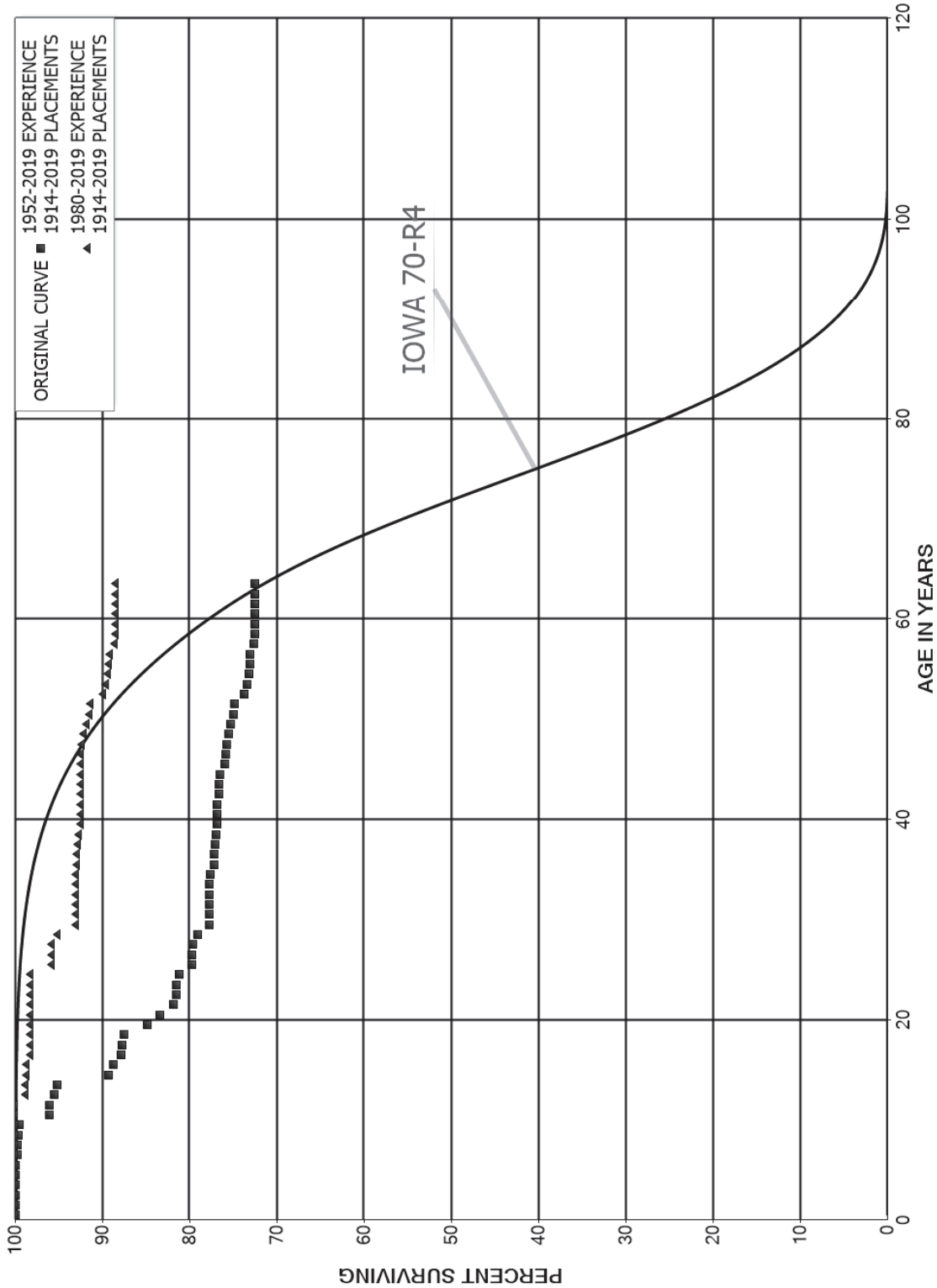
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1912-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	162,693	5,977	0.0367	0.9633	16.74
80.5	152,396	826	0.0054	0.9946	16.13
81.5	151,330		0.0000	1.0000	16.04
82.5	150,338		0.0000	1.0000	16.04
83.5	150,051		0.0000	1.0000	16.04
84.5	150,051		0.0000	1.0000	16.04
85.5	150,051		0.0000	1.0000	16.04
86.5	150,051	386	0.0026	0.9974	16.04
87.5	149,665	873	0.0058	0.9942	16.00
88.5	129,351	18	0.0001	0.9999	15.90
89.5	65,354		0.0000	1.0000	15.90
90.5	64,925		0.0000	1.0000	15.90
91.5	30,498		0.0000	1.0000	15.90
92.5	6,851		0.0000	1.0000	15.90
93.5	6,851		0.0000	1.0000	15.90
94.5	683		0.0000	1.0000	15.90
95.5					15.90

ORANGE AND ROCKLAND UTILITIES, INC.
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ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1914-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	11,801,171		0.0000	1.0000	100.00
0.5	10,960,759	1,572	0.0001	0.9999	100.00
1.5	10,960,530	251	0.0000	1.0000	99.99
2.5	11,021,394	53	0.0000	1.0000	99.98
3.5	10,632,939	1,274	0.0001	0.9999	99.98
4.5	10,626,284	7,004	0.0007	0.9993	99.97
5.5	6,385,961	14,846	0.0023	0.9977	99.91
6.5	6,371,115		0.0000	1.0000	99.67
7.5	6,371,299	3,444	0.0005	0.9995	99.67
8.5	6,367,855	5,301	0.0008	0.9992	99.62
9.5	6,231,409	214,765	0.0345	0.9655	99.54
10.5	6,016,767	812	0.0001	0.9999	96.11
11.5	6,049,391	36,155	0.0060	0.9940	96.09
12.5	6,013,285	24,253	0.0040	0.9960	95.52
13.5	5,989,032	370,859	0.0619	0.9381	95.13
14.5	5,618,173	31,920	0.0057	0.9943	89.24
15.5	5,586,346	59,569	0.0107	0.9893	88.73
16.5	5,526,827	7,083	0.0013	0.9987	87.79
17.5	6,102,458	11,004	0.0018	0.9982	87.68
18.5	6,091,454	184,346	0.0303	0.9697	87.52
19.5	5,907,108	102,555	0.0174	0.9826	84.87
20.5	5,830,410	107,846	0.0185	0.9815	83.40
21.5	6,024,402	28,966	0.0048	0.9952	81.85
22.5	6,211,079	178	0.0000	1.0000	81.46
23.5	6,197,087	25,376	0.0041	0.9959	81.46
24.5	6,185,749	104,934	0.0170	0.9830	81.12
25.5	6,080,038	19	0.0000	1.0000	79.75
26.5	6,138,721	14,333	0.0023	0.9977	79.75
27.5	5,610,261	33,148	0.0059	0.9941	79.56
28.5	5,577,113	95,297	0.0171	0.9829	79.09
29.5	5,491,054	1,161	0.0002	0.9998	77.74
30.5	5,489,893	1,359	0.0002	0.9998	77.72
31.5	5,488,534	13	0.0000	1.0000	77.70
32.5	5,488,521	16	0.0000	1.0000	77.70
33.5	5,488,505	2,892	0.0005	0.9995	77.70
34.5	5,486,406	33,776	0.0062	0.9938	77.66
35.5	5,453,009	1,756	0.0003	0.9997	77.18
36.5	5,451,253	8,304	0.0015	0.9985	77.16
37.5	5,483,396	5,055	0.0009	0.9991	77.04
38.5	5,478,341	10,392	0.0019	0.9981	76.97

ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1914-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	5,433,220	529	0.0001	0.9999	76.83
40.5	5,431,682	214	0.0000	1.0000	76.82
41.5	5,402,413	11,893	0.0022	0.9978	76.81
42.5	5,390,520	2,959	0.0005	0.9995	76.65
43.5	5,387,561	3,415	0.0006	0.9994	76.60
44.5	5,384,146	41,594	0.0077	0.9923	76.56
45.5	4,829,728	7,636	0.0016	0.9984	75.96
46.5	4,810,972	6,738	0.0014	0.9986	75.84
47.5	4,184,029	10,993	0.0026	0.9974	75.74
48.5	3,694,057	13,744	0.0037	0.9963	75.54
49.5	3,680,313	16,029	0.0044	0.9956	75.26
50.5	3,348,320	5,382	0.0016	0.9984	74.93
51.5	3,252,880	48,879	0.0150	0.9850	74.81
52.5	3,071,766	13,000	0.0042	0.9958	73.69
53.5	2,781,139	6,230	0.0022	0.9978	73.37
54.5	2,774,909	4,419	0.0016	0.9984	73.21
55.5	2,770,490	1,597	0.0006	0.9994	73.09
56.5	2,768,300	17,690	0.0064	0.9936	73.05
57.5	2,731,345	1,706	0.0006	0.9994	72.58
58.5	2,664,480	887	0.0003	0.9997	72.54
59.5	2,663,593	40	0.0000	1.0000	72.51
60.5	2,592,621	371	0.0001	0.9999	72.51
61.5	2,455,958		0.0000	1.0000	72.50
62.5	2,455,958		0.0000	1.0000	72.50
63.5	1,764,887	1	0.0000	1.0000	72.50
64.5	1,763,801	379	0.0002	0.9998	72.50
65.5	1,747,201	273	0.0002	0.9998	72.49
66.5	1,246,259		0.0000	1.0000	72.48
67.5	1,159,990	403	0.0003	0.9997	72.48
68.5	1,159,587		0.0000	1.0000	72.45
69.5	1,158,243	128	0.0001	0.9999	72.45
70.5	1,158,115	13,168	0.0114	0.9886	72.44
71.5	1,144,947		0.0000	1.0000	71.62
72.5	1,144,947	2,771	0.0024	0.9976	71.62
73.5	1,141,226		0.0000	1.0000	71.45
74.5	1,141,226		0.0000	1.0000	71.45
75.5	1,141,226	7,718	0.0068	0.9932	71.45
76.5	1,133,508		0.0000	1.0000	70.96
77.5	1,133,508		0.0000	1.0000	70.96
78.5	1,133,508	21,195	0.0187	0.9813	70.96

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1914-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,112,313		0.0000	1.0000	69.64
80.5	1,112,301	1,703	0.0015	0.9985	69.64
81.5	1,110,598		0.0000	1.0000	69.53
82.5	1,110,598		0.0000	1.0000	69.53
83.5	1,110,598		0.0000	1.0000	69.53
84.5	1,110,598	29,986	0.0270	0.9730	69.53
85.5	497,899	831	0.0017	0.9983	67.65
86.5	497,068		0.0000	1.0000	67.54
87.5	497,068		0.0000	1.0000	67.54
88.5	480,099		0.0000	1.0000	67.54
89.5	206,519		0.0000	1.0000	67.54
90.5	2,979		0.0000	1.0000	67.54
91.5	2,979		0.0000	1.0000	67.54
92.5	2,979		0.0000	1.0000	67.54
93.5	2,979		0.0000	1.0000	67.54
94.5					67.54

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1914-2019

EXPERIENCE BAND 1980-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	6,327,018		0.0000	1.0000	100.00
0.5	5,387,596		0.0000	1.0000	100.00
1.5	5,416,651		0.0000	1.0000	100.00
2.5	5,416,651		0.0000	1.0000	100.00
3.5	5,028,248		0.0000	1.0000	100.00
4.5	5,022,867		0.0000	1.0000	100.00
5.5	1,300,472		0.0000	1.0000	100.00
6.5	1,311,592		0.0000	1.0000	100.00
7.5	1,944,099		0.0000	1.0000	100.00
8.5	2,527,930		0.0000	1.0000	100.00
9.5	2,396,784		0.0000	1.0000	100.00
10.5	2,762,712		0.0000	1.0000	100.00
11.5	2,852,771	35,916	0.0126	0.9874	100.00
12.5	2,952,055		0.0000	1.0000	98.74
13.5	3,246,340	2,966	0.0009	0.9991	98.74
14.5	3,243,635	2,119	0.0007	0.9993	98.65
15.5	3,241,516	12,507	0.0039	0.9961	98.59
16.5	3,231,394	261	0.0001	0.9999	98.21
17.5	3,250,397	1,791	0.0006	0.9994	98.20
18.5	3,313,764		0.0000	1.0000	98.14
19.5	3,313,764		0.0000	1.0000	98.14
20.5	3,385,356		0.0000	1.0000	98.14
21.5	3,528,944		0.0000	1.0000	98.14
22.5	3,528,944	142	0.0000	1.0000	98.14
23.5	4,178,476		0.0000	1.0000	98.14
24.5	4,176,364	104,852	0.0251	0.9749	98.14
25.5	4,088,127		0.0000	1.0000	95.68
26.5	4,642,600		0.0000	1.0000	95.68
27.5	4,303,278	27,843	0.0065	0.9935	95.68
28.5	4,275,455	93,777	0.0219	0.9781	95.06
29.5	4,183,021		0.0000	1.0000	92.97
30.5	4,220,614		0.0000	1.0000	92.97
31.5	4,220,614		0.0000	1.0000	92.97
32.5	4,220,614		0.0000	1.0000	92.97
33.5	4,222,515	1,860	0.0004	0.9996	92.97
34.5	4,220,655	1,910	0.0005	0.9995	92.93
35.5	4,218,810		0.0000	1.0000	92.89
36.5	4,218,810	7,474	0.0018	0.9982	92.89
37.5	4,211,336	3,296	0.0008	0.9992	92.72
38.5	4,208,163	10,392	0.0025	0.9975	92.65

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1914-2019

EXPERIENCE BAND 1980-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	4,164,642	517	0.0001	0.9999	92.42
40.5	4,163,146		0.0000	1.0000	92.41
41.5	4,134,092	287	0.0001	0.9999	92.41
42.5	4,133,805	1,248	0.0003	0.9997	92.41
43.5	4,132,594	213	0.0001	0.9999	92.38
44.5	4,132,381		0.0000	1.0000	92.37
45.5	4,202,271	62	0.0000	1.0000	92.37
46.5	4,191,089	2,522	0.0006	0.9994	92.37
47.5	3,568,361	10,498	0.0029	0.9971	92.32
48.5	3,096,331	9,019	0.0029	0.9971	92.04
49.5	3,373,555	15,798	0.0047	0.9953	91.78
50.5	3,255,481	2,651	0.0008	0.9992	91.35
51.5	3,176,826	48,879	0.0154	0.9846	91.27
52.5	2,995,712	13,000	0.0043	0.9957	89.87
53.5	2,705,086	6,230	0.0023	0.9977	89.48
54.5	2,741,201	4,419	0.0016	0.9984	89.27
55.5	2,738,756	1,597	0.0006	0.9994	89.13
56.5	2,736,566	17,690	0.0065	0.9935	89.08
57.5	2,699,611	1,706	0.0006	0.9994	88.50
58.5	2,632,746	887	0.0003	0.9997	88.44
59.5	2,631,859	40	0.0000	1.0000	88.41
60.5	2,560,887	371	0.0001	0.9999	88.41
61.5	2,424,224		0.0000	1.0000	88.40
62.5	2,424,224		0.0000	1.0000	88.40
63.5	1,733,532	1	0.0000	1.0000	88.40
64.5	1,732,446	379	0.0002	0.9998	88.40
65.5	1,747,201	273	0.0002	0.9998	88.38
66.5	1,246,259		0.0000	1.0000	88.37
67.5	1,159,990	403	0.0003	0.9997	88.37
68.5	1,159,587		0.0000	1.0000	88.34
69.5	1,158,243	128	0.0001	0.9999	88.34
70.5	1,158,115	13,168	0.0114	0.9886	88.33
71.5	1,144,947		0.0000	1.0000	87.32
72.5	1,144,947	2,771	0.0024	0.9976	87.32
73.5	1,141,226		0.0000	1.0000	87.11
74.5	1,141,226		0.0000	1.0000	87.11
75.5	1,141,226	7,718	0.0068	0.9932	87.11
76.5	1,133,508		0.0000	1.0000	86.52
77.5	1,133,508		0.0000	1.0000	86.52
78.5	1,133,508	21,195	0.0187	0.9813	86.52

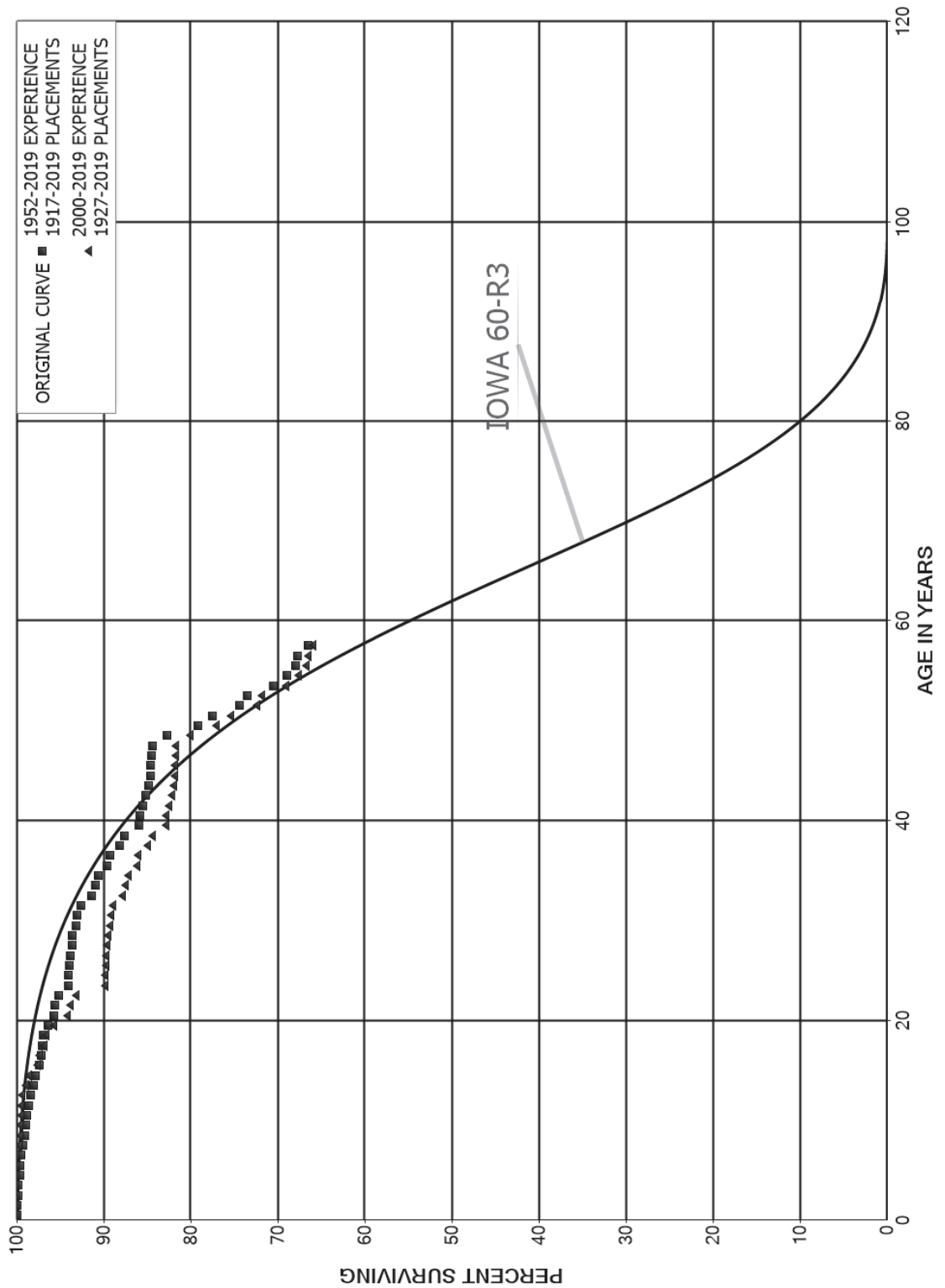
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1914-2019			EXPERIENCE BAND 1980-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,112,313		0.0000	1.0000	84.90
80.5	1,112,301	1,703	0.0015	0.9985	84.90
81.5	1,110,598		0.0000	1.0000	84.77
82.5	1,110,598		0.0000	1.0000	84.77
83.5	1,110,598		0.0000	1.0000	84.77
84.5	1,110,598	29,986	0.0270	0.9730	84.77
85.5	497,899	831	0.0017	0.9983	82.48
86.5	497,068		0.0000	1.0000	82.35
87.5	497,068		0.0000	1.0000	82.35
88.5	480,099		0.0000	1.0000	82.35
89.5	206,519		0.0000	1.0000	82.35
90.5	2,979		0.0000	1.0000	82.35
91.5	2,979		0.0000	1.0000	82.35
92.5	2,979		0.0000	1.0000	82.35
93.5	2,979		0.0000	1.0000	82.35
94.5					82.35

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1917-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	91,587,261	1,817	0.0000	1.0000	100.00
0.5	90,412,655	68,037	0.0008	0.9992	100.00
1.5	82,918,684	63,062	0.0008	0.9992	99.92
2.5	82,609,539	48,347	0.0006	0.9994	99.85
3.5	79,566,993	133,075	0.0017	0.9983	99.79
4.5	77,913,710	35,842	0.0005	0.9995	99.62
5.5	70,452,854	26,469	0.0004	0.9996	99.58
6.5	69,311,810	195,931	0.0028	0.9972	99.54
7.5	64,683,234	95,402	0.0015	0.9985	99.26
8.5	57,250,060	66,261	0.0012	0.9988	99.11
9.5	56,774,314	97,321	0.0017	0.9983	99.00
10.5	55,980,647	97,489	0.0017	0.9983	98.83
11.5	46,456,574	113,998	0.0025	0.9975	98.65
12.5	40,489,860	122,995	0.0030	0.9970	98.41
13.5	28,864,757	93,725	0.0032	0.9968	98.11
14.5	28,567,651	119,080	0.0042	0.9958	97.79
15.5	28,103,914	53,144	0.0019	0.9981	97.39
16.5	26,989,816	49,496	0.0018	0.9982	97.20
17.5	25,899,369	34,555	0.0013	0.9987	97.02
18.5	24,967,162	131,982	0.0053	0.9947	96.89
19.5	24,831,661	155,951	0.0063	0.9937	96.38
20.5	23,706,115	50,580	0.0021	0.9979	95.78
21.5	23,409,179	110,423	0.0047	0.9953	95.57
22.5	22,695,796	239,893	0.0106	0.9894	95.12
23.5	22,027,988	13,666	0.0006	0.9994	94.12
24.5	21,880,375	28,168	0.0013	0.9987	94.06
25.5	21,683,333	14,665	0.0007	0.9993	93.94
26.5	21,215,601	46,538	0.0022	0.9978	93.87
27.5	20,043,468	22,536	0.0011	0.9989	93.67
28.5	19,969,537	80,475	0.0040	0.9960	93.56
29.5	19,783,328	35,020	0.0018	0.9982	93.19
30.5	19,673,672	78,537	0.0040	0.9960	93.02
31.5	19,407,270	262,231	0.0135	0.9865	92.65
32.5	19,139,369	84,823	0.0044	0.9956	91.40
33.5	19,046,995	81,243	0.0043	0.9957	90.99
34.5	18,707,336	205,737	0.0110	0.9890	90.60
35.5	18,446,477	60,010	0.0033	0.9967	89.61
36.5	18,302,863	238,539	0.0130	0.9870	89.32
37.5	18,024,033	119,292	0.0066	0.9934	88.15
38.5	15,810,042	293,075	0.0185	0.9815	87.57

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	15,502,382	20,344	0.0013	0.9987	85.95
40.5	15,283,211	55,626	0.0036	0.9964	85.83
41.5	14,849,655	62,592	0.0042	0.9958	85.52
42.5	14,768,544	52,405	0.0035	0.9965	85.16
43.5	13,862,688	38,312	0.0028	0.9972	84.86
44.5	13,243,296	9,145	0.0007	0.9993	84.62
45.5	7,981,164	8,163	0.0010	0.9990	84.56
46.5	7,956,371	9,681	0.0012	0.9988	84.48
47.5	5,328,161	104,644	0.0196	0.9804	84.38
48.5	1,748,209	75,607	0.0432	0.9568	82.72
49.5	1,672,602	35,564	0.0213	0.9787	79.14
50.5	1,344,380	52,390	0.0390	0.9610	77.46
51.5	957,740	12,689	0.0132	0.9868	74.44
52.5	607,563	24,662	0.0406	0.9594	73.45
53.5	579,653	12,157	0.0210	0.9790	70.47
54.5	563,298	8,279	0.0147	0.9853	68.99
55.5	534,291	2,307	0.0043	0.9957	67.98
56.5	505,874	8,960	0.0177	0.9823	67.69
57.5	380,024	5,186	0.0136	0.9864	66.49
58.5	195,946	1,443	0.0074	0.9926	65.58
59.5	189,329	4,983	0.0263	0.9737	65.10
60.5	117,581	1,177	0.0100	0.9900	63.38
61.5	93,922	251	0.0027	0.9973	62.75
62.5	90,152	132	0.0015	0.9985	62.58
63.5	89,732	1	0.0000	1.0000	62.49
64.5	38,276	90	0.0024	0.9976	62.49
65.5	37,800	90	0.0024	0.9976	62.34
66.5	30,002	446	0.0149	0.9851	62.19
67.5	29,475	319	0.0108	0.9892	61.27
68.5	27,639	395	0.0143	0.9857	60.61
69.5	27,053	48	0.0018	0.9982	59.74
70.5	27,005		0.0000	1.0000	59.63
71.5	23,866		0.0000	1.0000	59.63
72.5	19,889	14	0.0007	0.9993	59.63
73.5	14,867	106	0.0071	0.9929	59.59
74.5	14,399	268	0.0186	0.9814	59.17
75.5	14,131	170	0.0120	0.9880	58.07
76.5	13,953	129	0.0093	0.9907	57.37
77.5	13,823		0.0000	1.0000	56.84
78.5	13,797		0.0000	1.0000	56.84

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	13,756	158	0.0115	0.9885	56.84
80.5	11,870		0.0000	1.0000	56.19
81.5	11,004		0.0000	1.0000	56.19
82.5	11,004		0.0000	1.0000	56.19
83.5	10,882		0.0000	1.0000	56.19
84.5	5,875		0.0000	1.0000	56.19
85.5	5,875		0.0000	1.0000	56.19
86.5	5,875		0.0000	1.0000	56.19
87.5	5,825		0.0000	1.0000	56.19
88.5	5,825		0.0000	1.0000	56.19
89.5	5,303		0.0000	1.0000	56.19
90.5	1,725		0.0000	1.0000	56.19
91.5	1,725		0.0000	1.0000	56.19
92.5					56.19

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1927-2019

EXPERIENCE BAND 2000-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	65,429,847		0.0000	1.0000	100.00
0.5	65,258,421	1,739	0.0000	1.0000	100.00
1.5	58,099,731	3,158	0.0001	0.9999	100.00
2.5	58,509,989	11,214	0.0002	0.9998	99.99
3.5	55,935,945	2,838	0.0001	0.9999	99.97
4.5	54,594,265	10,225	0.0002	0.9998	99.97
5.5	47,328,871		0.0000	1.0000	99.95
6.5	46,800,143	166,546	0.0036	0.9964	99.95
7.5	43,368,301	19,058	0.0004	0.9996	99.59
8.5	36,068,412	25,805	0.0007	0.9993	99.55
9.5	35,762,851	31,859	0.0009	0.9991	99.48
10.5	35,138,529	1,444	0.0000	1.0000	99.39
11.5	26,026,670	30,676	0.0012	0.9988	99.39
12.5	20,192,965	82,021	0.0041	0.9959	99.27
13.5	8,610,107	32,082	0.0037	0.9963	98.87
14.5	8,639,008	85,593	0.0099	0.9901	98.50
15.5	8,298,575	22,098	0.0027	0.9973	97.52
16.5	7,312,840	40,930	0.0056	0.9944	97.26
17.5	6,272,988	11,538	0.0018	0.9982	96.72
18.5	7,730,244	74,613	0.0097	0.9903	96.54
19.5	7,663,796	127,386	0.0166	0.9834	95.61
20.5	6,778,603	17,239	0.0025	0.9975	94.02
21.5	6,930,273	53,849	0.0078	0.9922	93.78
22.5	6,270,562	223,144	0.0356	0.9644	93.05
23.5	6,665,468	4,341	0.0007	0.9993	89.74
24.5	7,208,082	2,341	0.0003	0.9997	89.68
25.5	12,395,908	2,304	0.0002	0.9998	89.65
26.5	11,964,186	21,443	0.0018	0.9982	89.63
27.5	13,913,210	5,889	0.0004	0.9996	89.47
28.5	17,408,439	54,626	0.0031	0.9969	89.44
29.5	17,313,618	15,633	0.0009	0.9991	89.16
30.5	17,612,519	42,509	0.0024	0.9976	89.08
31.5	17,770,311	231,995	0.0131	0.9869	88.86
32.5	17,975,297	71,126	0.0040	0.9960	87.70
33.5	17,942,453	64,827	0.0036	0.9964	87.35
34.5	17,627,868	187,604	0.0106	0.9894	87.04
35.5	17,413,456	38,366	0.0022	0.9978	86.11
36.5	17,343,311	223,953	0.0129	0.9871	85.92
37.5	17,203,606	98,652	0.0057	0.9943	84.81
38.5	15,220,752	281,990	0.0185	0.9815	84.33

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1927-2019

EXPERIENCE BAND 2000-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	14,931,021	15,516	0.0010	0.9990	82.76
40.5	14,808,693	52,962	0.0036	0.9964	82.68
41.5	14,519,662	49,779	0.0034	0.9966	82.38
42.5	14,499,145	43,050	0.0030	0.9970	82.10
43.5	13,640,213	22,741	0.0017	0.9983	81.86
44.5	13,143,389	6,174	0.0005	0.9995	81.72
45.5	7,884,613	3,977	0.0005	0.9995	81.68
46.5	7,873,545	7,324	0.0009	0.9991	81.64
47.5	5,247,774	101,015	0.0192	0.9808	81.56
48.5	1,674,881	64,512	0.0385	0.9615	79.99
49.5	1,610,560	33,767	0.0210	0.9790	76.91
50.5	1,284,135	50,710	0.0395	0.9605	75.30
51.5	905,010	7,617	0.0084	0.9916	72.33
52.5	563,882	21,697	0.0385	0.9615	71.72
53.5	544,822	11,197	0.0206	0.9794	68.96
54.5	529,789	7,120	0.0134	0.9866	67.54
55.5	501,941	1,416	0.0028	0.9972	66.63
56.5	475,409	4,003	0.0084	0.9916	66.44
57.5	354,515	2,308	0.0065	0.9935	65.89
58.5	173,343	444	0.0026	0.9974	65.46
59.5	167,765		0.0000	1.0000	65.29
60.5	102,728	568	0.0055	0.9945	65.29
61.5	81,047	111	0.0014	0.9986	64.93
62.5	77,417		0.0000	1.0000	64.84
63.5	77,251		0.0000	1.0000	64.84
64.5	31,376		0.0000	1.0000	64.84
65.5	30,990	56	0.0018	0.9982	64.84
66.5	23,227	446	0.0192	0.9808	64.72
67.5	22,750		0.0000	1.0000	63.48
68.5	21,390	196	0.0092	0.9908	63.48
69.5	21,566	48	0.0022	0.9978	62.90
70.5	25,096		0.0000	1.0000	62.76
71.5	21,957		0.0000	1.0000	62.76
72.5	19,875		0.0000	1.0000	62.76
73.5	14,867	106	0.0071	0.9929	62.76
74.5	14,399	268	0.0186	0.9814	62.31
75.5	14,131	170	0.0120	0.9880	61.15
76.5	13,953	129	0.0093	0.9907	60.42
77.5	13,823		0.0000	1.0000	59.86
78.5	13,797		0.0000	1.0000	59.86

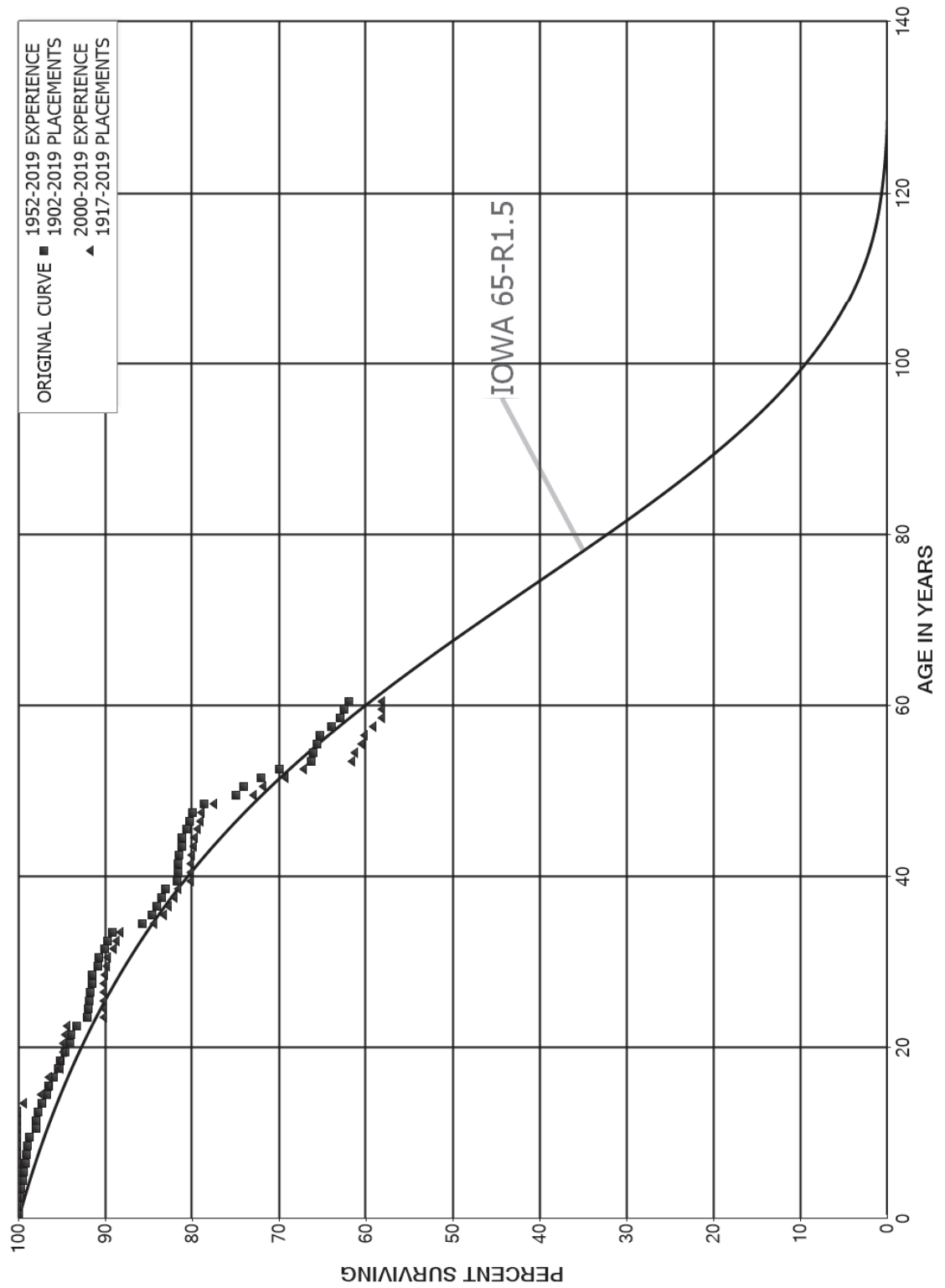
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1927-2019			EXPERIENCE BAND 2000-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	13,756	158	0.0115	0.9885	59.86
80.5	11,870		0.0000	1.0000	59.17
81.5	11,004		0.0000	1.0000	59.17
82.5	11,004		0.0000	1.0000	59.17
83.5	10,882		0.0000	1.0000	59.17
84.5	5,875		0.0000	1.0000	59.17
85.5	5,875		0.0000	1.0000	59.17
86.5	5,875		0.0000	1.0000	59.17
87.5	5,825		0.0000	1.0000	59.17
88.5	5,825		0.0000	1.0000	59.17
89.5	5,303		0.0000	1.0000	59.17
90.5	1,725		0.0000	1.0000	59.17
91.5	1,725		0.0000	1.0000	59.17
92.5					59.17

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	67,250,327	1,098	0.0000	1.0000	100.00
0.5	67,201,777	48,711	0.0007	0.9993	100.00
1.5	65,701,834	94,292	0.0014	0.9986	99.93
2.5	64,469,435	23,954	0.0004	0.9996	99.78
3.5	63,581,211	125,863	0.0020	0.9980	99.75
4.5	63,015,028	82,138	0.0013	0.9987	99.55
5.5	41,394,146	79,898	0.0019	0.9981	99.42
6.5	41,022,405	78,325	0.0019	0.9981	99.23
7.5	39,965,192	48,307	0.0012	0.9988	99.04
8.5	36,144,540	63,255	0.0018	0.9982	98.92
9.5	35,877,430	293,007	0.0082	0.9918	98.74
10.5	35,566,208	9,594	0.0003	0.9997	97.94
11.5	31,214,416	76,008	0.0024	0.9976	97.91
12.5	26,766,460	105,845	0.0040	0.9960	97.67
13.5	18,987,306	111,921	0.0059	0.9941	97.29
14.5	18,880,016	41,086	0.0022	0.9978	96.71
15.5	18,838,957	100,473	0.0053	0.9947	96.50
16.5	18,749,989	117,336	0.0063	0.9937	95.99
17.5	18,572,687	38,202	0.0021	0.9979	95.39
18.5	18,055,717	114,798	0.0064	0.9936	95.19
19.5	17,947,758	100,668	0.0056	0.9944	94.59
20.5	18,087,547	27,741	0.0015	0.9985	94.06
21.5	18,098,706	123,522	0.0068	0.9932	93.91
22.5	18,177,708	239,838	0.0132	0.9868	93.27
23.5	18,031,180	26,982	0.0015	0.9985	92.04
24.5	17,975,947	12,704	0.0007	0.9993	91.90
25.5	17,966,881	30,682	0.0017	0.9983	91.84
26.5	17,866,818	26,389	0.0015	0.9985	91.68
27.5	17,012,324	11,277	0.0007	0.9993	91.54
28.5	17,036,278	118,522	0.0070	0.9930	91.48
29.5	16,871,074	28,223	0.0017	0.9983	90.85
30.5	16,734,480	113,684	0.0068	0.9932	90.70
31.5	16,610,381	65,808	0.0040	0.9960	90.08
32.5	16,544,573	107,738	0.0065	0.9935	89.72
33.5	16,436,836	627,162	0.0382	0.9618	89.14
34.5	15,698,621	200,180	0.0128	0.9872	85.74
35.5	15,494,619	101,701	0.0066	0.9934	84.64
36.5	15,381,350	104,778	0.0068	0.9932	84.09
37.5	13,761,712	73,153	0.0053	0.9947	83.52
38.5	12,046,466	200,747	0.0167	0.9833	83.07

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,829,332	6,911	0.0006	0.9994	81.69
40.5	11,745,053	7,394	0.0006	0.9994	81.64
41.5	11,453,271	17,879	0.0016	0.9984	81.59
42.5	11,403,472	36,638	0.0032	0.9968	81.46
43.5	10,823,925	9,948	0.0009	0.9991	81.20
44.5	10,059,749	60,739	0.0060	0.9940	81.12
45.5	7,618,555	37,011	0.0049	0.9951	80.63
46.5	7,558,544	26,809	0.0035	0.9965	80.24
47.5	5,860,933	99,790	0.0170	0.9830	79.96
48.5	3,576,235	166,119	0.0465	0.9535	78.60
49.5	3,333,562	39,129	0.0117	0.9883	74.95
50.5	2,697,007	71,076	0.0264	0.9736	74.07
51.5	2,311,450	70,740	0.0306	0.9694	72.11
52.5	1,732,573	89,620	0.0517	0.9483	69.91
53.5	1,489,709	4,135	0.0028	0.9972	66.29
54.5	1,475,079	9,979	0.0068	0.9932	66.11
55.5	1,437,176	8,310	0.0058	0.9942	65.66
56.5	1,405,434	27,376	0.0195	0.9805	65.28
57.5	1,316,340	22,789	0.0173	0.9827	64.01
58.5	1,084,136	6,906	0.0064	0.9936	62.90
59.5	1,073,389	8,723	0.0081	0.9919	62.50
60.5	934,415	7,069	0.0076	0.9924	61.99
61.5	877,480	2,120	0.0024	0.9976	61.52
62.5	874,095	984	0.0011	0.9989	61.37
63.5	868,801	1,811	0.0021	0.9979	61.31
64.5	794,284	3,860	0.0049	0.9951	61.18
65.5	778,083	2,835	0.0036	0.9964	60.88
66.5	741,410	454	0.0006	0.9994	60.66
67.5	681,307	10,671	0.0157	0.9843	60.62
68.5	669,940	6,636	0.0099	0.9901	59.67
69.5	643,599	6,341	0.0099	0.9901	59.08
70.5	618,480	28,013	0.0453	0.9547	58.50
71.5	576,815	207	0.0004	0.9996	55.85
72.5	564,793		0.0000	1.0000	55.83
73.5	564,570	514	0.0009	0.9991	55.83
74.5	563,988	2,189	0.0039	0.9961	55.78
75.5	561,799	6,174	0.0110	0.9890	55.56
76.5	554,591	18,901	0.0341	0.9659	54.95
77.5	535,690	7,245	0.0135	0.9865	53.08
78.5	528,294	18,331	0.0347	0.9653	52.36

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	509,911	9,542	0.0187	0.9813	50.54
80.5	500,369	447	0.0009	0.9991	49.60
81.5	497,972	2,121	0.0043	0.9957	49.55
82.5	495,409	253	0.0005	0.9995	49.34
83.5	495,156	24,177	0.0488	0.9512	49.32
84.5	461,420		0.0000	1.0000	46.91
85.5	460,288	501	0.0011	0.9989	46.91
86.5	459,786	6,173	0.0134	0.9866	46.86
87.5	453,146		0.0000	1.0000	46.23
88.5	228,747		0.0000	1.0000	46.23
89.5	225,829		0.0000	1.0000	46.23
90.5	74,710		0.0000	1.0000	46.23
91.5	33,508		0.0000	1.0000	46.23
92.5	19,646		0.0000	1.0000	46.23
93.5	16,055	176	0.0110	0.9890	46.23
94.5	5,346		0.0000	1.0000	45.72
95.5	3,719		0.0000	1.0000	45.72
96.5	1,612		0.0000	1.0000	45.72
97.5	1,601		0.0000	1.0000	45.72
98.5	1,601		0.0000	1.0000	45.72
99.5	1,601		0.0000	1.0000	45.72
100.5	1,601		0.0000	1.0000	45.72
101.5	1,600		0.0000	1.0000	45.72
102.5					45.72

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1917-2019

EXPERIENCE BAND 2000-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	47,957,721		0.0000	1.0000	100.00
0.5	47,892,731		0.0000	1.0000	100.00
1.5	46,417,342		0.0000	1.0000	100.00
2.5	45,187,945		0.0000	1.0000	100.00
3.5	44,328,738		0.0000	1.0000	100.00
4.5	43,935,647		0.0000	1.0000	100.00
5.5	22,404,798		0.0000	1.0000	100.00
6.5	22,299,217		0.0000	1.0000	100.00
7.5	22,227,849		0.0000	1.0000	100.00
8.5	18,444,690		0.0000	1.0000	100.00
9.5	18,344,891		0.0000	1.0000	100.00
10.5	18,431,030		0.0000	1.0000	100.00
11.5	14,073,916		0.0000	1.0000	100.00
12.5	9,708,678	65,593	0.0068	0.9932	100.00
13.5	1,981,509	41,112	0.0207	0.9793	99.32
14.5	2,202,092	20,096	0.0091	0.9909	97.26
15.5	2,197,040		0.0000	1.0000	96.38
16.5	2,208,608	31,300	0.0142	0.9858	96.38
17.5	3,640,320		0.0000	1.0000	95.01
18.5	4,872,976	13,902	0.0029	0.9971	95.01
19.5	4,875,461		0.0000	1.0000	94.74
20.5	4,909,640	9,527	0.0019	0.9981	94.74
21.5	5,203,649	16,215	0.0031	0.9969	94.56
22.5	5,226,617	233,760	0.0447	0.9553	94.26
23.5	5,565,919		0.0000	1.0000	90.04
24.5	6,338,254		0.0000	1.0000	90.04
25.5	8,755,907	2,512	0.0003	0.9997	90.04
26.5	8,633,444	810	0.0001	0.9999	90.02
27.5	10,384,955	2,292	0.0002	0.9998	90.01
28.5	12,602,611	43,521	0.0035	0.9965	89.99
29.5	12,673,857	14,602	0.0012	0.9988	89.68
30.5	13,193,720	89,237	0.0068	0.9932	89.58
31.5	13,493,254	46,409	0.0034	0.9966	88.97
32.5	14,004,790	82,084	0.0059	0.9941	88.66
33.5	14,115,082	625,875	0.0443	0.9557	88.15
34.5	13,392,110	166,516	0.0124	0.9876	84.24
35.5	13,262,756	92,383	0.0070	0.9930	83.19
36.5	13,222,991	102,496	0.0078	0.9922	82.61
37.5	11,721,611	64,148	0.0055	0.9945	81.97
38.5	10,236,945	182,443	0.0178	0.9822	81.52

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2019

EXPERIENCE BAND 2000-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	10,043,423	4,408	0.0004	0.9996	80.07
40.5	10,142,291	2,829	0.0003	0.9997	80.03
41.5	10,094,205	11,466	0.0011	0.9989	80.01
42.5	10,155,160	30,680	0.0030	0.9970	79.92
43.5	9,622,972	8,847	0.0009	0.9991	79.68
44.5	9,015,070	37,802	0.0042	0.9958	79.60
45.5	6,609,203	31,426	0.0048	0.9952	79.27
46.5	6,600,200	8,391	0.0013	0.9987	78.89
47.5	5,025,897	88,505	0.0176	0.9824	78.79
48.5	2,756,524	162,373	0.0589	0.9411	77.41
49.5	2,538,157	37,851	0.0149	0.9851	72.85
50.5	1,951,699	69,226	0.0355	0.9645	71.76
51.5	1,581,643	49,618	0.0314	0.9686	69.22
52.5	1,041,328	86,532	0.0831	0.9169	67.04
53.5	803,581	3,867	0.0048	0.9952	61.47
54.5	789,287	9,904	0.0125	0.9875	61.18
55.5	751,459	3,828	0.0051	0.9949	60.41
56.5	730,669	12,122	0.0166	0.9834	60.10
57.5	656,832	11,059	0.0168	0.9832	59.10
58.5	436,510	510	0.0012	0.9988	58.11
59.5	437,065		0.0000	1.0000	58.04
60.5	306,813	1,416	0.0046	0.9954	58.04
61.5	257,942		0.0000	1.0000	57.77
62.5	257,118	6	0.0000	1.0000	57.77
63.5	252,802	1,811	0.0072	0.9928	57.77
64.5	187,844	3,047	0.0162	0.9838	57.36
65.5	173,588		0.0000	1.0000	56.43
66.5	139,750	454	0.0032	0.9968	56.43
67.5	80,407	390	0.0049	0.9951	56.24
68.5	338,296		0.0000	1.0000	55.97
69.5	330,481	662	0.0020	0.9980	55.97
70.5	472,165		0.0000	1.0000	55.86
71.5	508,840		0.0000	1.0000	55.86
72.5	516,229		0.0000	1.0000	55.86
73.5	524,191	514	0.0010	0.9990	55.86
74.5	548,532	2,189	0.0040	0.9960	55.80
75.5	556,945	6,174	0.0111	0.9889	55.58
76.5	551,951	18,901	0.0342	0.9658	54.97
77.5	533,060	7,245	0.0136	0.9864	53.08
78.5	525,664	18,331	0.0349	0.9651	52.36

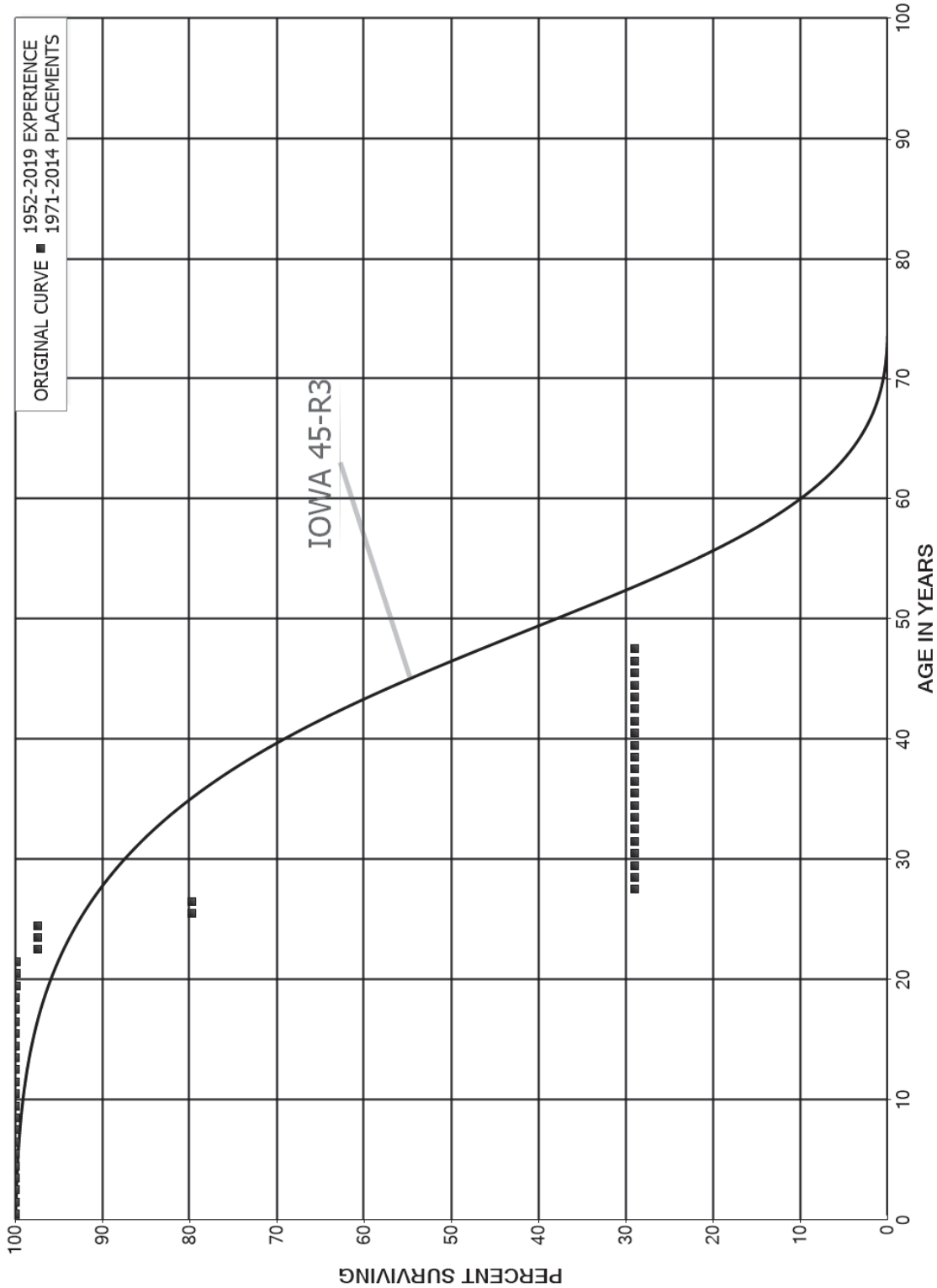
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1917-2019			EXPERIENCE BAND 2000-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	507,281	9,542	0.0188	0.9812	50.54
80.5	497,739	447	0.0009	0.9991	49.59
81.5	495,343	1,269	0.0026	0.9974	49.54
82.5	495,409	253	0.0005	0.9995	49.41
83.5	495,156	24,177	0.0488	0.9512	49.39
84.5	461,420		0.0000	1.0000	46.98
85.5	460,288	501	0.0011	0.9989	46.98
86.5	459,786	6,173	0.0134	0.9866	46.93
87.5	453,146		0.0000	1.0000	46.30
88.5	228,747		0.0000	1.0000	46.30
89.5	225,829		0.0000	1.0000	46.30
90.5	74,710		0.0000	1.0000	46.30
91.5	33,508		0.0000	1.0000	46.30
92.5	19,646		0.0000	1.0000	46.30
93.5	16,055	176	0.0110	0.9890	46.30
94.5	5,346		0.0000	1.0000	45.79
95.5	3,719		0.0000	1.0000	45.79
96.5	1,612		0.0000	1.0000	45.79
97.5	1,601		0.0000	1.0000	45.79
98.5	1,601		0.0000	1.0000	45.79
99.5	1,601		0.0000	1.0000	45.79
100.5	1,601		0.0000	1.0000	45.79
101.5	1,600		0.0000	1.0000	45.79
102.5					45.79

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 357.00 UNDERGROUND CONDUIT
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 357.00 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1971-2014

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	7,156,842		0.0000	1.0000	100.00
0.5	7,156,842		0.0000	1.0000	100.00
1.5	7,156,842		0.0000	1.0000	100.00
2.5	7,156,842		0.0000	1.0000	100.00
3.5	7,156,842		0.0000	1.0000	100.00
4.5	7,156,842		0.0000	1.0000	100.00
5.5	7,156,051		0.0000	1.0000	100.00
6.5	7,156,051		0.0000	1.0000	100.00
7.5	7,156,051		0.0000	1.0000	100.00
8.5	3,971,996		0.0000	1.0000	100.00
9.5	3,971,996		0.0000	1.0000	100.00
10.5	3,971,996		0.0000	1.0000	100.00
11.5	3,971,996		0.0000	1.0000	100.00
12.5	3,971,996		0.0000	1.0000	100.00
13.5	2,031,516		0.0000	1.0000	100.00
14.5	2,031,516		0.0000	1.0000	100.00
15.5	2,031,516		0.0000	1.0000	100.00
16.5	922,170		0.0000	1.0000	100.00
17.5	922,170	45	0.0000	1.0000	100.00
18.5	922,125	1,239	0.0013	0.9987	100.00
19.5	920,886		0.0000	1.0000	99.86
20.5	920,886		0.0000	1.0000	99.86
21.5	920,886	22,679	0.0246	0.9754	99.86
22.5	898,207		0.0000	1.0000	97.40
23.5	898,207		0.0000	1.0000	97.40
24.5	898,207	163,054	0.1815	0.8185	97.40
25.5	735,153		0.0000	1.0000	79.72
26.5	735,153	468,318	0.6370	0.3630	79.72
27.5	266,835		0.0000	1.0000	28.94
28.5	266,835		0.0000	1.0000	28.94
29.5	266,835		0.0000	1.0000	28.94
30.5	266,835		0.0000	1.0000	28.94
31.5	266,835		0.0000	1.0000	28.94
32.5	266,835		0.0000	1.0000	28.94
33.5	266,835		0.0000	1.0000	28.94
34.5	266,835		0.0000	1.0000	28.94
35.5	266,835		0.0000	1.0000	28.94
36.5	266,835		0.0000	1.0000	28.94
37.5	80,840		0.0000	1.0000	28.94
38.5	80,840		0.0000	1.0000	28.94

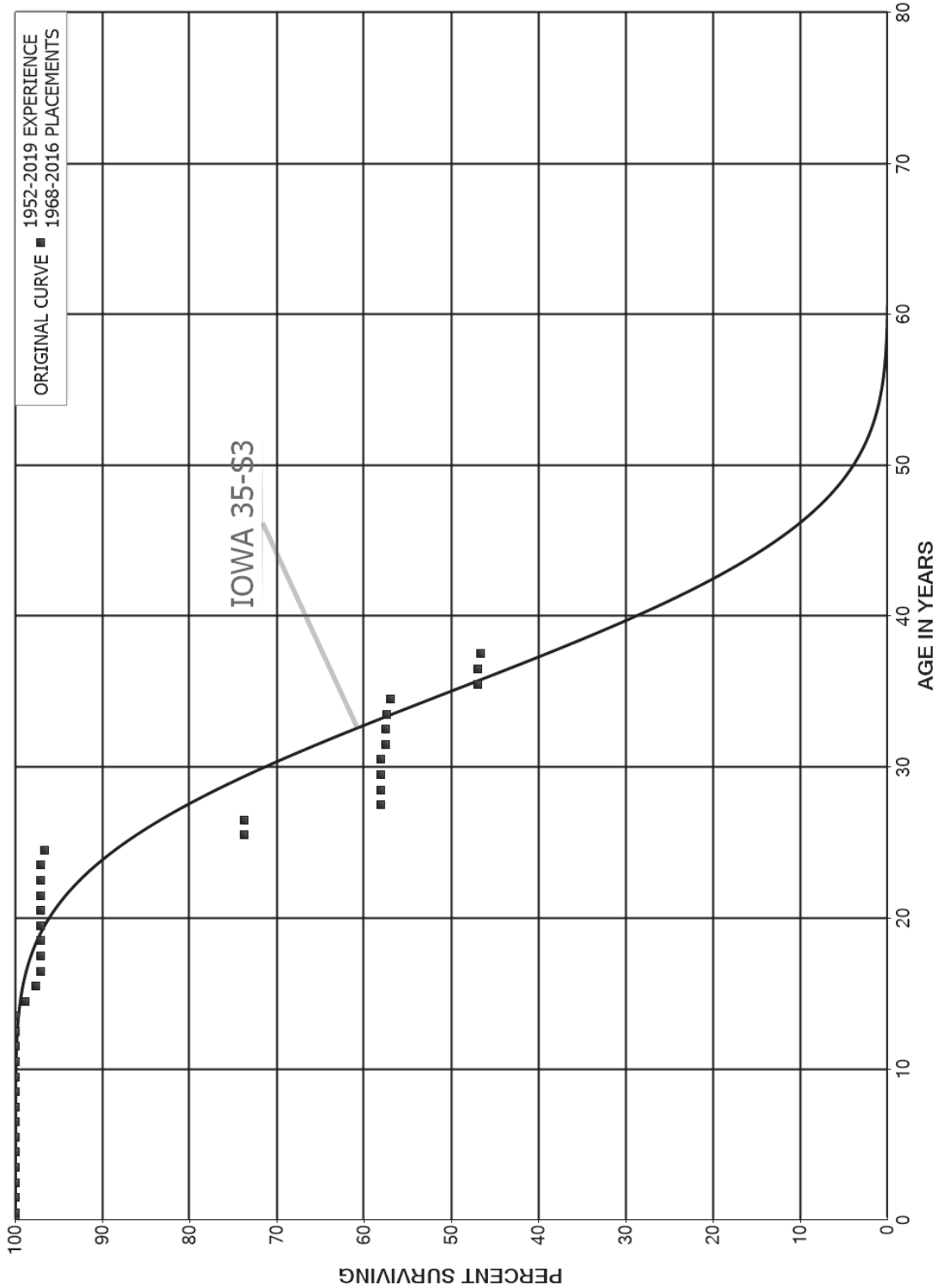
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 357.00 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1971-2014			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	80,840		0.0000	1.0000	28.94
40.5	80,840		0.0000	1.0000	28.94
41.5	80,840		0.0000	1.0000	28.94
42.5	80,840		0.0000	1.0000	28.94
43.5	80,840		0.0000	1.0000	28.94
44.5	80,840		0.0000	1.0000	28.94
45.5	80,840		0.0000	1.0000	28.94
46.5	80,840		0.0000	1.0000	28.94
47.5	73,458		0.0000	1.0000	28.94
48.5					28.94

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1968-2016

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	17,697,405		0.0000	1.0000	100.00
0.5	17,697,405		0.0000	1.0000	100.00
1.5	17,697,405		0.0000	1.0000	100.00
2.5	17,697,405		0.0000	1.0000	100.00
3.5	17,334,787		0.0000	1.0000	100.00
4.5	17,334,787		0.0000	1.0000	100.00
5.5	17,333,075		0.0000	1.0000	100.00
6.5	17,333,075		0.0000	1.0000	100.00
7.5	17,333,075		0.0000	1.0000	100.00
8.5	5,067,061		0.0000	1.0000	100.00
9.5	5,067,061		0.0000	1.0000	100.00
10.5	5,067,061		0.0000	1.0000	100.00
11.5	5,067,061	764	0.0002	0.9998	100.00
12.5	5,066,297		0.0000	1.0000	99.98
13.5	2,649,246	29,572	0.0112	0.9888	99.98
14.5	2,619,674	34,494	0.0132	0.9868	98.87
15.5	2,585,180	12,479	0.0048	0.9952	97.57
16.5	1,646,731		0.0000	1.0000	97.10
17.5	1,600,577		0.0000	1.0000	97.10
18.5	1,600,577		0.0000	1.0000	97.10
19.5	1,600,577		0.0000	1.0000	97.10
20.5	1,510,230		0.0000	1.0000	97.10
21.5	1,510,230	2	0.0000	1.0000	97.10
22.5	1,510,228		0.0000	1.0000	97.10
23.5	1,510,228	7,133	0.0047	0.9953	97.10
24.5	1,503,095	355,587	0.2366	0.7634	96.64
25.5	1,147,508		0.0000	1.0000	73.78
26.5	1,147,508	243,807	0.2125	0.7875	73.78
27.5	871,207	509	0.0006	0.9994	58.10
28.5	870,698		0.0000	1.0000	58.07
29.5	870,698		0.0000	1.0000	58.07
30.5	870,698	9,016	0.0104	0.9896	58.07
31.5	861,682		0.0000	1.0000	57.47
32.5	861,682	713	0.0008	0.9992	57.47
33.5	860,969	7,202	0.0084	0.9916	57.42
34.5	853,767	149,290	0.1749	0.8251	56.94
35.5	704,477		0.0000	1.0000	46.98
36.5	679,519	4,589	0.0068	0.9932	46.98
37.5	89,277		0.0000	1.0000	46.66
38.5	89,277		0.0000	1.0000	46.66

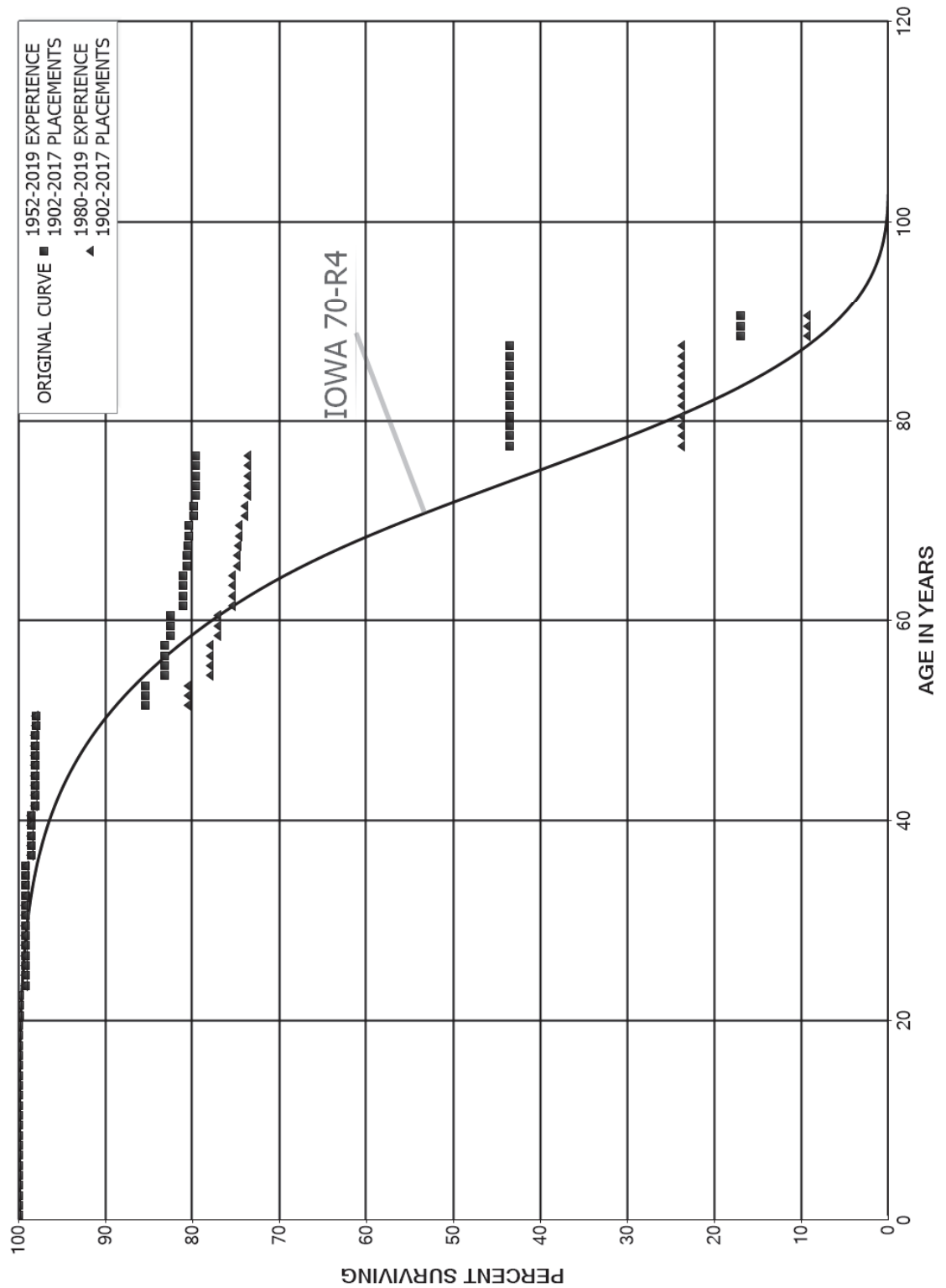
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1968-2016			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	89,277		0.0000	1.0000	46.66
40.5	89,277		0.0000	1.0000	46.66
41.5	89,277		0.0000	1.0000	46.66
42.5	89,277		0.0000	1.0000	46.66
43.5	89,277		0.0000	1.0000	46.66
44.5	89,277		0.0000	1.0000	46.66
45.5	89,277		0.0000	1.0000	46.66
46.5	89,277		0.0000	1.0000	46.66
47.5	72,623		0.0000	1.0000	46.66
48.5					46.66

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 359.00 ROADS AND TRAILS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2017

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,308,838		0.0000	1.0000	100.00
0.5	1,308,838		0.0000	1.0000	100.00
1.5	1,318,054		0.0000	1.0000	100.00
2.5	1,283,349		0.0000	1.0000	100.00
3.5	1,286,891		0.0000	1.0000	100.00
4.5	1,286,891		0.0000	1.0000	100.00
5.5	1,286,891		0.0000	1.0000	100.00
6.5	1,286,891		0.0000	1.0000	100.00
7.5	1,286,891		0.0000	1.0000	100.00
8.5	1,227,280		0.0000	1.0000	100.00
9.5	1,227,280		0.0000	1.0000	100.00
10.5	1,227,280		0.0000	1.0000	100.00
11.5	951,382		0.0000	1.0000	100.00
12.5	951,382		0.0000	1.0000	100.00
13.5	951,389		0.0000	1.0000	100.00
14.5	951,410		0.0000	1.0000	100.00
15.5	951,585		0.0000	1.0000	100.00
16.5	951,616		0.0000	1.0000	100.00
17.5	951,664		0.0000	1.0000	100.00
18.5	951,664		0.0000	1.0000	100.00
19.5	951,664	1,767	0.0019	0.9981	100.00
20.5	949,897		0.0000	1.0000	99.81
21.5	949,897		0.0000	1.0000	99.81
22.5	953,578	5,748	0.0060	0.9940	99.81
23.5	949,549		0.0000	1.0000	99.21
24.5	949,549		0.0000	1.0000	99.21
25.5	949,549		0.0000	1.0000	99.21
26.5	877,900		0.0000	1.0000	99.21
27.5	804,834		0.0000	1.0000	99.21
28.5	804,834		0.0000	1.0000	99.21
29.5	804,834		0.0000	1.0000	99.21
30.5	799,036		0.0000	1.0000	99.21
31.5	799,036	690	0.0009	0.9991	99.21
32.5	798,346		0.0000	1.0000	99.13
33.5	798,346		0.0000	1.0000	99.13
34.5	798,346		0.0000	1.0000	99.13
35.5	798,346	4,697	0.0059	0.9941	99.13
36.5	793,649		0.0000	1.0000	98.54
37.5	793,649		0.0000	1.0000	98.54
38.5	456,610		0.0000	1.0000	98.54

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2017

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	456,610		0.0000	1.0000	98.54
40.5	418,547	1,891	0.0045	0.9955	98.54
41.5	388,123		0.0000	1.0000	98.10
42.5	388,123		0.0000	1.0000	98.10
43.5	277,247		0.0000	1.0000	98.10
44.5	256,145		0.0000	1.0000	98.10
45.5	242,095		0.0000	1.0000	98.10
46.5	242,095		0.0000	1.0000	98.10
47.5	104,391		0.0000	1.0000	98.10
48.5	30,498	31	0.0010	0.9990	98.10
49.5	15,609		0.0000	1.0000	98.00
50.5	15,609	2,005	0.1285	0.8715	98.00
51.5	13,604		0.0000	1.0000	85.41
52.5	13,604		0.0000	1.0000	85.41
53.5	13,604	353	0.0259	0.9741	85.41
54.5	12,933		0.0000	1.0000	83.19
55.5	12,933		0.0000	1.0000	83.19
56.5	12,933		0.0000	1.0000	83.19
57.5	12,933	111	0.0086	0.9914	83.19
58.5	12,752		0.0000	1.0000	82.48
59.5	12,752		0.0000	1.0000	82.48
60.5	12,752	217	0.0170	0.9830	82.48
61.5	12,535		0.0000	1.0000	81.08
62.5	12,535		0.0000	1.0000	81.08
63.5	12,535		0.0000	1.0000	81.08
64.5	12,535	71	0.0057	0.9943	81.08
65.5	12,464		0.0000	1.0000	80.62
66.5	12,464	24	0.0019	0.9981	80.62
67.5	11,668	7	0.0006	0.9994	80.46
68.5	11,661		0.0000	1.0000	80.41
69.5	11,661	89	0.0076	0.9924	80.41
70.5	11,572		0.0000	1.0000	79.80
71.5	8,140	24	0.0029	0.9971	79.80
72.5	8,116		0.0000	1.0000	79.57
73.5	8,116		0.0000	1.0000	79.57
74.5	8,116		0.0000	1.0000	79.57
75.5	8,116		0.0000	1.0000	79.57
76.5	8,116	3,681	0.4535	0.5465	79.57
77.5	4,435		0.0000	1.0000	43.48
78.5	4,435		0.0000	1.0000	43.48

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2017

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	4,435		0.0000	1.0000	43.48
80.5	4,435		0.0000	1.0000	43.48
81.5	4,435		0.0000	1.0000	43.48
82.5	4,414		0.0000	1.0000	43.48
83.5	4,414		0.0000	1.0000	43.48
84.5	4,414		0.0000	1.0000	43.48
85.5	4,414		0.0000	1.0000	43.48
86.5	4,414		0.0000	1.0000	43.48
87.5	4,414	2,695	0.6105	0.3895	43.48
88.5	1,719		0.0000	1.0000	16.93
89.5	1,719		0.0000	1.0000	16.93
90.5	1,719		0.0000	1.0000	16.93
91.5					16.93

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2017

EXPERIENCE BAND 1980-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	848,767		0.0000	1.0000	100.00
0.5	886,831		0.0000	1.0000	100.00
1.5	930,328		0.0000	1.0000	100.00
2.5	895,622		0.0000	1.0000	100.00
3.5	1,006,498		0.0000	1.0000	100.00
4.5	1,027,600		0.0000	1.0000	100.00
5.5	1,042,340		0.0000	1.0000	100.00
6.5	1,042,340		0.0000	1.0000	100.00
7.5	1,180,045		0.0000	1.0000	100.00
8.5	1,194,326		0.0000	1.0000	100.00
9.5	1,218,343		0.0000	1.0000	100.00
10.5	1,218,343		0.0000	1.0000	100.00
11.5	942,228		0.0000	1.0000	100.00
12.5	942,228		0.0000	1.0000	100.00
13.5	942,228		0.0000	1.0000	100.00
14.5	944,437		0.0000	1.0000	100.00
15.5	944,437		0.0000	1.0000	100.00
16.5	944,437		0.0000	1.0000	100.00
17.5	944,437		0.0000	1.0000	100.00
18.5	944,844		0.0000	1.0000	100.00
19.5	944,844	1,767	0.0019	0.9981	100.00
20.5	943,077		0.0000	1.0000	99.81
21.5	943,077		0.0000	1.0000	99.81
22.5	943,077	5,748	0.0061	0.9939	99.81
23.5	937,329		0.0000	1.0000	99.20
24.5	939,334		0.0000	1.0000	99.20
25.5	939,334		0.0000	1.0000	99.20
26.5	867,685		0.0000	1.0000	99.20
27.5	795,392		0.0000	1.0000	99.20
28.5	795,392		0.0000	1.0000	99.20
29.5	795,392		0.0000	1.0000	99.20
30.5	789,594		0.0000	1.0000	99.20
31.5	793,137	690	0.0009	0.9991	99.20
32.5	792,447		0.0000	1.0000	99.12
33.5	792,447		0.0000	1.0000	99.12
34.5	792,447		0.0000	1.0000	99.12
35.5	792,447	4,697	0.0059	0.9941	99.12
36.5	787,750		0.0000	1.0000	98.53
37.5	787,750		0.0000	1.0000	98.53
38.5	450,711		0.0000	1.0000	98.53

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2017

EXPERIENCE BAND 1980-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	450,928		0.0000	1.0000	98.53
40.5	412,865	1,891	0.0046	0.9954	98.53
41.5	382,448		0.0000	1.0000	98.08
42.5	382,469		0.0000	1.0000	98.08
43.5	271,768		0.0000	1.0000	98.08
44.5	250,697		0.0000	1.0000	98.08
45.5	236,695		0.0000	1.0000	98.08
46.5	236,695		0.0000	1.0000	98.08
47.5	98,991		0.0000	1.0000	98.08
48.5	25,097	31	0.0012	0.9988	98.08
49.5	7,514		0.0000	1.0000	97.96
50.5	11,195	2,005	0.1791	0.8209	97.96
51.5	10,909		0.0000	1.0000	80.41
52.5	10,909		0.0000	1.0000	80.41
53.5	10,909	353	0.0324	0.9676	80.41
54.5	10,238		0.0000	1.0000	77.81
55.5	10,238		0.0000	1.0000	77.81
56.5	10,238		0.0000	1.0000	77.81
57.5	10,238	111	0.0108	0.9892	77.81
58.5	10,057		0.0000	1.0000	76.97
59.5	10,057		0.0000	1.0000	76.97
60.5	10,057	217	0.0216	0.9784	76.97
61.5	9,840		0.0000	1.0000	75.31
62.5	9,840		0.0000	1.0000	75.31
63.5	9,840		0.0000	1.0000	75.31
64.5	9,840	71	0.0072	0.9928	75.31
65.5	9,769		0.0000	1.0000	74.76
66.5	9,769	24	0.0025	0.9975	74.76
67.5	8,973	7	0.0008	0.9992	74.58
68.5	8,966		0.0000	1.0000	74.52
69.5	8,966	89	0.0099	0.9901	74.52
70.5	8,877		0.0000	1.0000	73.78
71.5	5,445	24	0.0044	0.9956	73.78
72.5	5,421		0.0000	1.0000	73.46
73.5	5,421		0.0000	1.0000	73.46
74.5	5,421		0.0000	1.0000	73.46
75.5	5,421		0.0000	1.0000	73.46
76.5	5,421	3,681	0.6790	0.3210	73.46
77.5	4,435		0.0000	1.0000	23.58
78.5	4,435		0.0000	1.0000	23.58

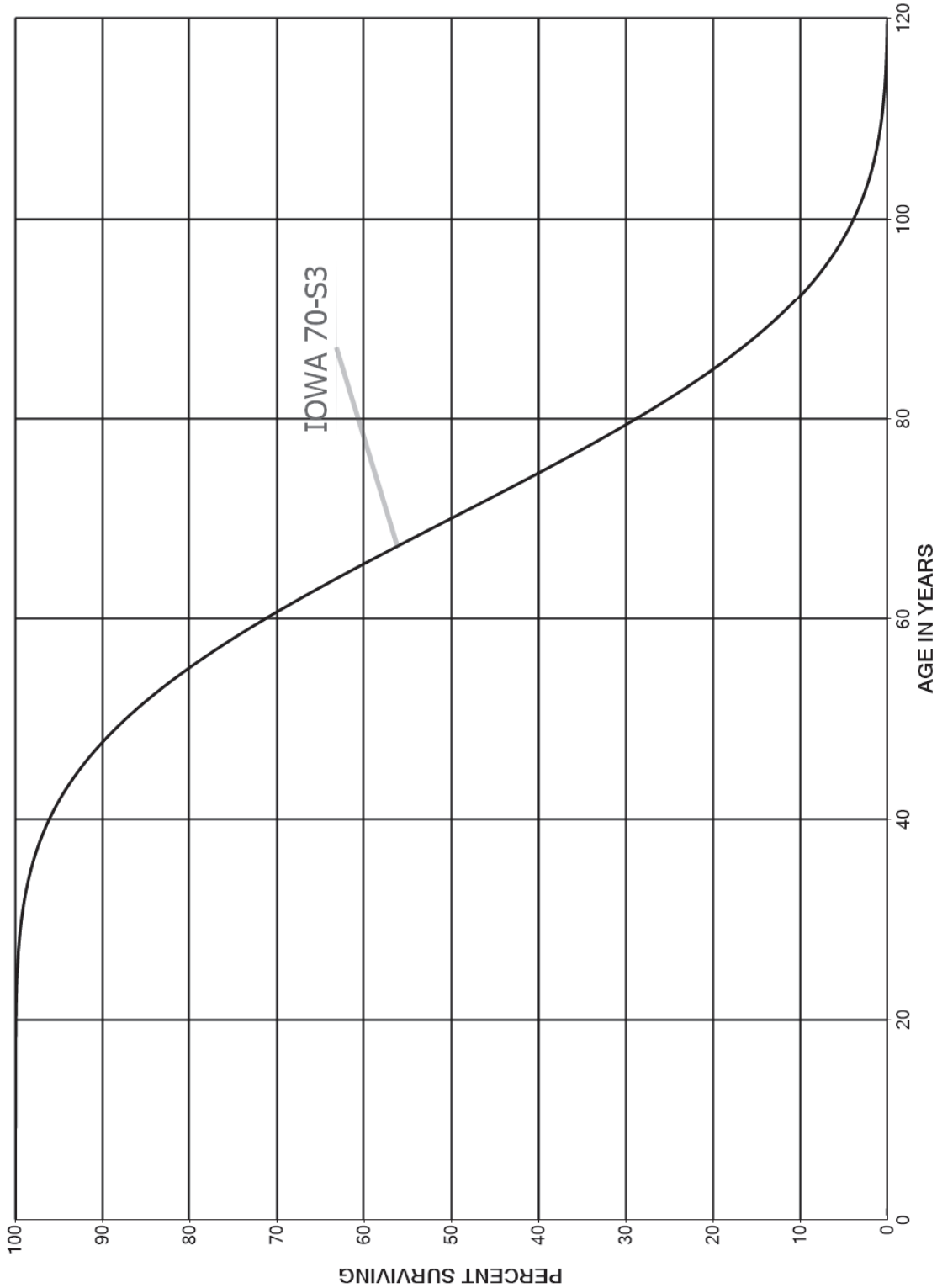
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

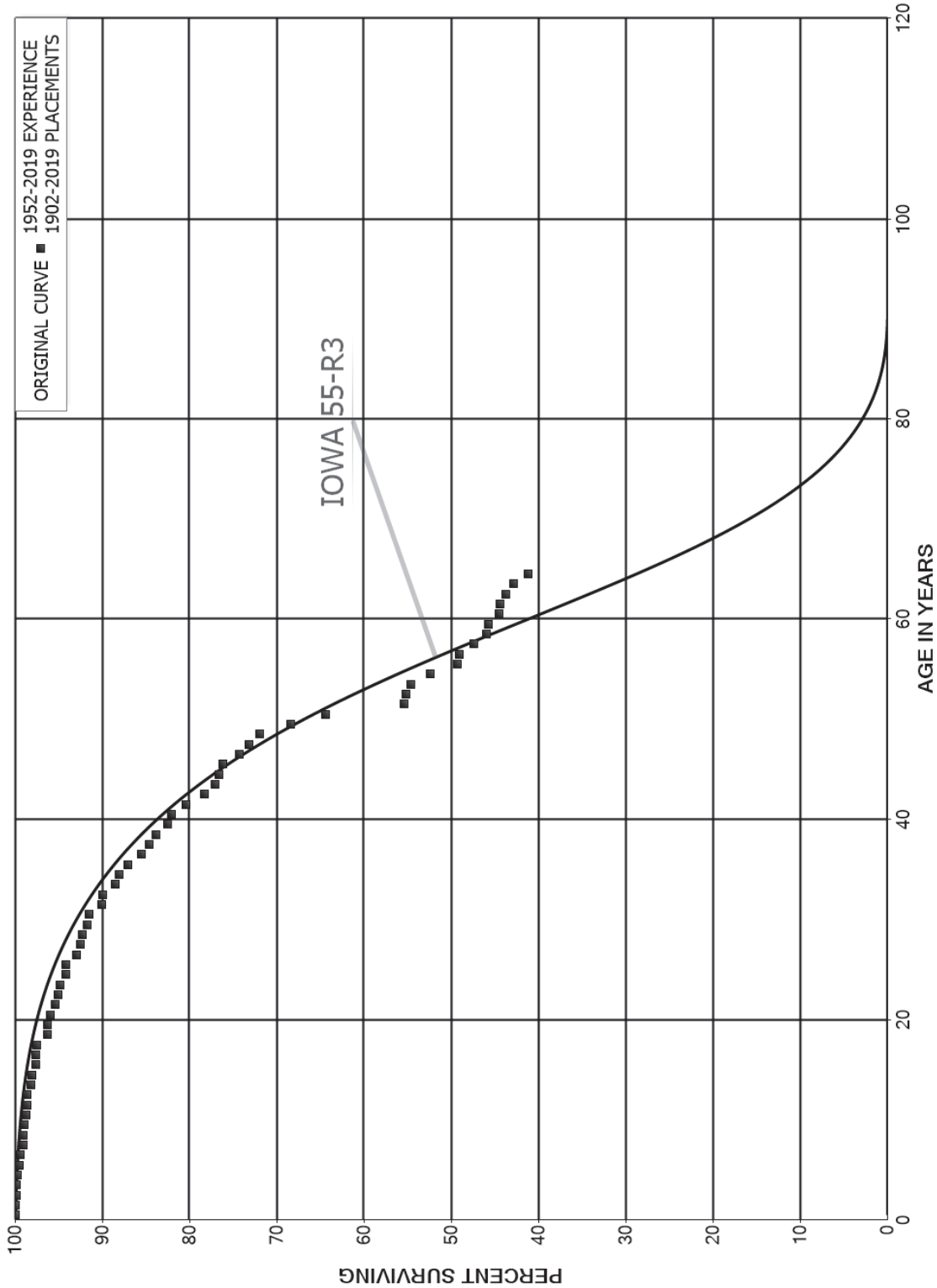
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2017			EXPERIENCE BAND 1980-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	4,435		0.0000	1.0000	23.58
80.5	4,435		0.0000	1.0000	23.58
81.5	4,435		0.0000	1.0000	23.58
82.5	4,414		0.0000	1.0000	23.58
83.5	4,414		0.0000	1.0000	23.58
84.5	4,414		0.0000	1.0000	23.58
85.5	4,414		0.0000	1.0000	23.58
86.5	4,414		0.0000	1.0000	23.58
87.5	4,414	2,695	0.6105	0.3895	23.58
88.5	1,719		0.0000	1.0000	9.18
89.5	1,719		0.0000	1.0000	9.18
90.5	1,719		0.0000	1.0000	9.18
91.5					9.18

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 360.00 LAND AND LAND RIGHTS - EASEMENTS
SMOOTH SURVIVOR CURVE



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	21,157,693		0.0000	1.0000	100.00
0.5	21,156,733		0.0000	1.0000	100.00
1.5	20,520,104	29,489	0.0014	0.9986	100.00
2.5	19,897,486	3,278	0.0002	0.9998	99.86
3.5	19,703,467	30,536	0.0015	0.9985	99.84
4.5	19,496,216	45,880	0.0024	0.9976	99.69
5.5	18,690,704	6,260	0.0003	0.9997	99.45
6.5	18,074,372	63,314	0.0035	0.9965	99.42
7.5	15,470,603	4,607	0.0003	0.9997	99.07
8.5	12,677,569	4,255	0.0003	0.9997	99.04
9.5	12,004,007	28,495	0.0024	0.9976	99.01
10.5	11,680,571	14,309	0.0012	0.9988	98.77
11.5	11,033,160	2,918	0.0003	0.9997	98.65
12.5	10,263,560	43,945	0.0043	0.9957	98.62
13.5	9,944,436	10,682	0.0011	0.9989	98.20
14.5	8,780,535	45,018	0.0051	0.9949	98.10
15.5	7,081,190	801	0.0001	0.9999	97.59
16.5	6,108,958	2,225	0.0004	0.9996	97.58
17.5	5,348,067	66,837	0.0125	0.9875	97.55
18.5	5,158,878	2,069	0.0004	0.9996	96.33
19.5	5,003,516	19,796	0.0040	0.9960	96.29
20.5	4,801,916	24,377	0.0051	0.9949	95.91
21.5	4,748,402	17,595	0.0037	0.9963	95.42
22.5	4,539,749	11,724	0.0026	0.9974	95.07
23.5	4,503,298	28,141	0.0062	0.9938	94.82
24.5	4,105,539	3,014	0.0007	0.9993	94.23
25.5	4,023,613	54,090	0.0134	0.9866	94.16
26.5	3,945,149	14,373	0.0036	0.9964	92.89
27.5	3,666,388	12,586	0.0034	0.9966	92.56
28.5	3,065,254	18,607	0.0061	0.9939	92.24
29.5	2,424,551	4,402	0.0018	0.9982	91.68
30.5	2,237,615	35,858	0.0160	0.9840	91.51
31.5	2,162,502	3,702	0.0017	0.9983	90.05
32.5	2,141,672	32,489	0.0152	0.9848	89.89
33.5	2,104,506	10,692	0.0051	0.9949	88.53
34.5	2,004,792	23,330	0.0116	0.9884	88.08
35.5	1,981,275	36,436	0.0184	0.9816	87.05
36.5	1,945,228	19,963	0.0103	0.9897	85.45
37.5	1,915,967	15,787	0.0082	0.9918	84.58
38.5	1,814,732	28,604	0.0158	0.9842	83.88

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	1,549,204	9,912	0.0064	0.9936	82.56
40.5	1,540,111	30,229	0.0196	0.9804	82.03
41.5	1,500,308	39,797	0.0265	0.9735	80.42
42.5	1,461,142	22,872	0.0157	0.9843	78.28
43.5	1,336,867	7,851	0.0059	0.9941	77.06
44.5	1,326,492	7,515	0.0057	0.9943	76.61
45.5	1,184,023	30,117	0.0254	0.9746	76.17
46.5	866,693	11,772	0.0136	0.9864	74.24
47.5	676,759	12,298	0.0182	0.9818	73.23
48.5	587,051	28,230	0.0481	0.9519	71.90
49.5	568,070	33,624	0.0592	0.9408	68.44
50.5	512,689	71,685	0.1398	0.8602	64.39
51.5	368,195	1,658	0.0045	0.9955	55.39
52.5	360,606	3,364	0.0093	0.9907	55.14
53.5	356,453	14,638	0.0411	0.9589	54.62
54.5	339,599	19,948	0.0587	0.9413	52.38
55.5	210,010	1,034	0.0049	0.9951	49.30
56.5	206,186	7,001	0.0340	0.9660	49.06
57.5	186,587	5,688	0.0305	0.9695	47.39
58.5	169,744	698	0.0041	0.9959	45.95
59.5	166,746	4,639	0.0278	0.9722	45.76
60.5	162,067	352	0.0022	0.9978	44.49
61.5	161,265	2,426	0.0150	0.9850	44.39
62.5	158,116	3,348	0.0212	0.9788	43.72
63.5	141,234	5,454	0.0386	0.9614	42.80
64.5	95,128	4,913	0.0516	0.9484	41.14
65.5	90,109	2,916	0.0324	0.9676	39.02
66.5	86,325	3,893	0.0451	0.9549	37.76
67.5	73,217	30	0.0004	0.9996	36.05
68.5	59,845	248	0.0041	0.9959	36.04
69.5	57,701	708	0.0123	0.9877	35.89
70.5	54,898	1,790	0.0326	0.9674	35.45
71.5	53,108	12,120	0.2282	0.7718	34.29
72.5	40,988	119	0.0029	0.9971	26.47
73.5	39,691	3,141	0.0791	0.9209	26.39
74.5	36,550	8,754	0.2395	0.7605	24.30
75.5	27,668	1,219	0.0441	0.9559	18.48
76.5	26,449	1,376	0.0520	0.9480	17.67
77.5	25,073	1,122	0.0448	0.9552	16.75
78.5	22,861	807	0.0353	0.9647	16.00

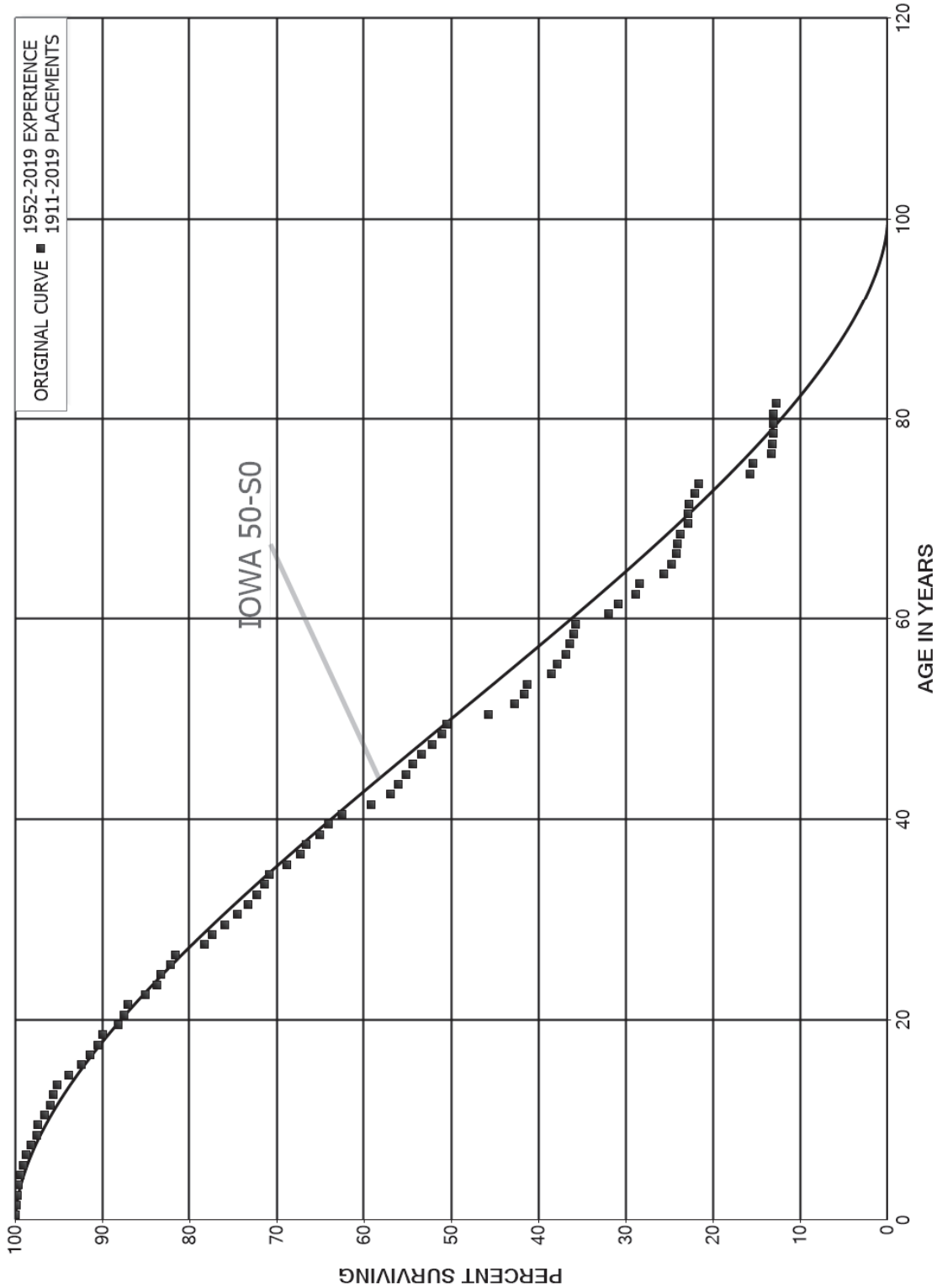
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	22,054	452	0.0205	0.9795	15.43
80.5	21,602	688	0.0319	0.9681	15.12
81.5	20,914	1,369	0.0655	0.9345	14.64
82.5	19,545	4,701	0.2405	0.7595	13.68
83.5	14,844	1,099	0.0740	0.9260	10.39
84.5	13,745	16	0.0012	0.9988	9.62
85.5	13,729	100	0.0073	0.9927	9.61
86.5	13,629		0.0000	1.0000	9.54
87.5	13,531		0.0000	1.0000	9.54
88.5	13,529		0.0000	1.0000	9.54
89.5	13,205		0.0000	1.0000	9.54
90.5	7,868		0.0000	1.0000	9.54
91.5	7,599		0.0000	1.0000	9.54
92.5	4,889		0.0000	1.0000	9.54
93.5	4,481		0.0000	1.0000	9.54
94.5	4,481		0.0000	1.0000	9.54
95.5	4,481	2,750	0.6137	0.3863	9.54
96.5					3.68

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 362.00 STATION EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1911-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	282,709,088	4,701	0.0000	1.0000	100.00
0.5	278,020,396	357,761	0.0013	0.9987	100.00
1.5	265,258,219	311,316	0.0012	0.9988	99.87
2.5	259,774,413	444,169	0.0017	0.9983	99.75
3.5	226,438,292	488,390	0.0022	0.9978	99.58
4.5	221,604,920	653,823	0.0030	0.9970	99.37
5.5	198,795,521	680,556	0.0034	0.9966	99.07
6.5	191,698,628	1,086,240	0.0057	0.9943	98.73
7.5	169,589,028	1,076,952	0.0064	0.9936	98.18
8.5	161,786,823	343,480	0.0021	0.9979	97.55
9.5	158,353,897	1,208,087	0.0076	0.9924	97.34
10.5	151,972,327	959,251	0.0063	0.9937	96.60
11.5	140,798,292	475,734	0.0034	0.9966	95.99
12.5	129,175,558	726,628	0.0056	0.9944	95.67
13.5	122,158,999	1,683,846	0.0138	0.9862	95.13
14.5	110,466,966	1,740,922	0.0158	0.9842	93.82
15.5	94,292,552	920,846	0.0098	0.9902	92.34
16.5	84,350,621	822,045	0.0097	0.9903	91.44
17.5	73,713,466	465,699	0.0063	0.9937	90.55
18.5	72,587,927	1,408,188	0.0194	0.9806	89.98
19.5	69,390,069	587,979	0.0085	0.9915	88.23
20.5	66,277,340	339,736	0.0051	0.9949	87.48
21.5	65,163,024	1,434,001	0.0220	0.9780	87.03
22.5	58,747,308	959,120	0.0163	0.9837	85.12
23.5	56,101,283	279,466	0.0050	0.9950	83.73
24.5	51,332,060	679,865	0.0132	0.9868	83.31
25.5	49,919,202	344,674	0.0069	0.9931	82.21
26.5	48,698,370	2,017,907	0.0414	0.9586	81.64
27.5	42,779,828	487,482	0.0114	0.9886	78.26
28.5	38,205,921	708,286	0.0185	0.9815	77.37
29.5	32,863,030	610,696	0.0186	0.9814	75.93
30.5	30,054,621	484,987	0.0161	0.9839	74.52
31.5	27,835,901	382,921	0.0138	0.9862	73.32
32.5	26,864,643	343,278	0.0128	0.9872	72.31
33.5	25,604,520	182,458	0.0071	0.9929	71.39
34.5	24,878,118	698,553	0.0281	0.9719	70.88
35.5	24,049,059	566,743	0.0236	0.9764	68.89
36.5	23,402,387	223,293	0.0095	0.9905	67.26
37.5	22,934,963	552,437	0.0241	0.9759	66.62
38.5	19,848,599	293,923	0.0148	0.9852	65.02

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	16,397,605	384,769	0.0235	0.9765	64.05
40.5	15,960,915	872,162	0.0546	0.9454	62.55
41.5	14,655,270	541,258	0.0369	0.9631	59.13
42.5	13,964,709	213,729	0.0153	0.9847	56.95
43.5	11,709,100	184,717	0.0158	0.9842	56.08
44.5	11,074,748	152,702	0.0138	0.9862	55.19
45.5	9,137,934	170,823	0.0187	0.9813	54.43
46.5	6,867,915	152,356	0.0222	0.9778	53.41
47.5	5,687,648	129,242	0.0227	0.9773	52.23
48.5	4,163,765	45,395	0.0109	0.9891	51.04
49.5	3,959,652	372,794	0.0941	0.9059	50.49
50.5	3,138,109	205,138	0.0654	0.9346	45.73
51.5	2,479,170	67,869	0.0274	0.9726	42.74
52.5	2,186,506	16,346	0.0075	0.9925	41.57
53.5	2,149,113	145,264	0.0676	0.9324	41.26
54.5	1,978,793	34,230	0.0173	0.9827	38.47
55.5	1,651,376	43,667	0.0264	0.9736	37.81
56.5	1,556,376	18,318	0.0118	0.9882	36.81
57.5	1,347,850	17,192	0.0128	0.9872	36.37
58.5	1,238,895	6,689	0.0054	0.9946	35.91
59.5	1,227,201	128,997	0.1051	0.8949	35.72
60.5	872,135	30,088	0.0345	0.9655	31.96
61.5	837,528	55,126	0.0658	0.9342	30.86
62.5	723,217	10,152	0.0140	0.9860	28.83
63.5	682,884	68,082	0.0997	0.9003	28.42
64.5	601,146	19,543	0.0325	0.9675	25.59
65.5	418,316	9,661	0.0231	0.9769	24.76
66.5	390,331	2,460	0.0063	0.9937	24.19
67.5	343,761	4,846	0.0141	0.9859	24.03
68.5	311,547	11,094	0.0356	0.9644	23.70
69.5	258,989	342	0.0013	0.9987	22.85
70.5	253,283	1,396	0.0055	0.9945	22.82
71.5	251,887	7,390	0.0293	0.9707	22.70
72.5	243,533	4,130	0.0170	0.9830	22.03
73.5	233,804	63,785	0.2728	0.7272	21.66
74.5	169,411	4,260	0.0251	0.9749	15.75
75.5	164,968	22,729	0.1378	0.8622	15.35
76.5	142,238	151	0.0011	0.9989	13.24
77.5	140,999	1,146	0.0081	0.9919	13.22
78.5	139,167	207	0.0015	0.9985	13.12

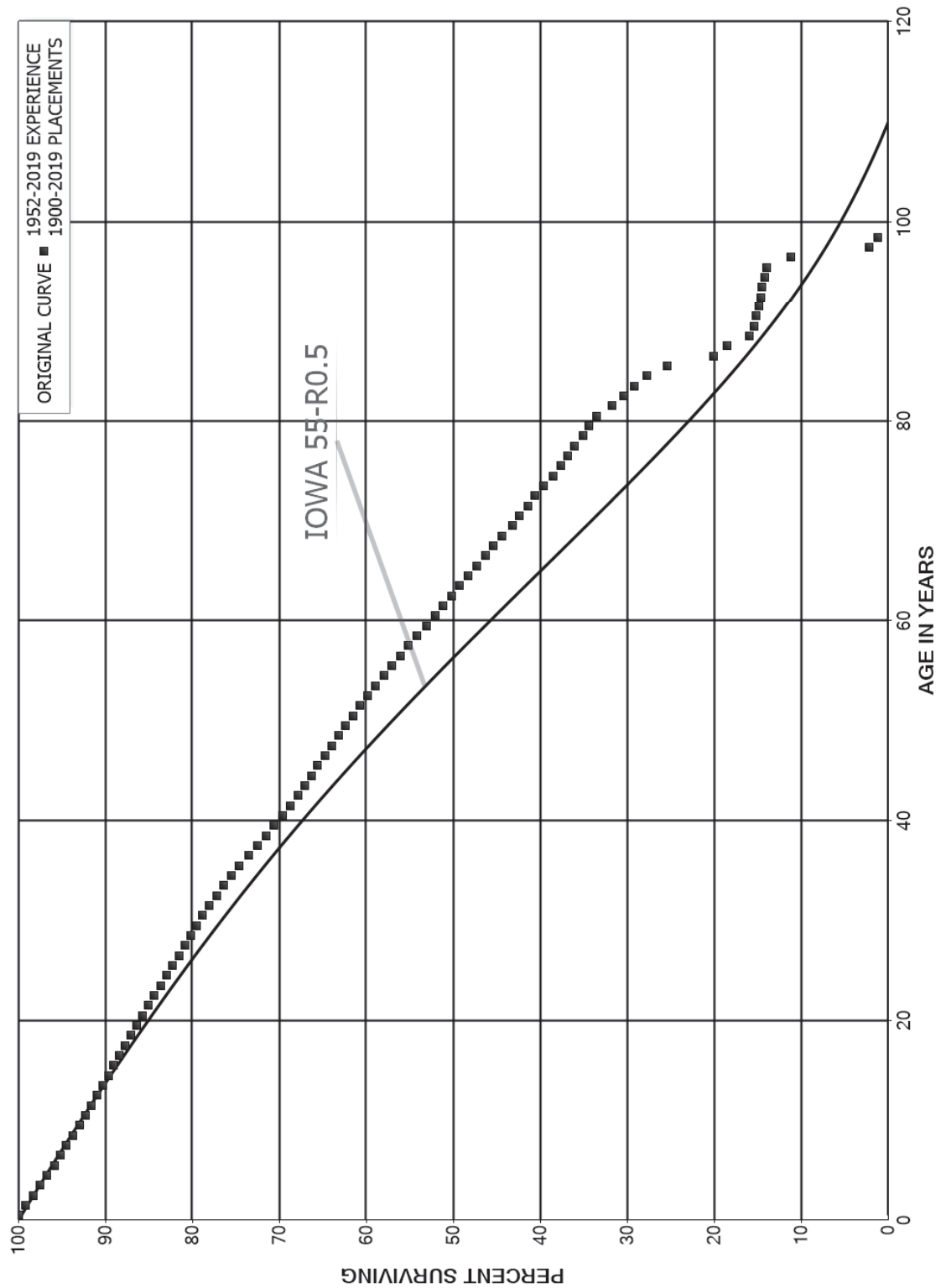
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1911-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	138,735	13	0.0001	0.9999	13.10
80.5	136,555	4,271	0.0313	0.9687	13.09
81.5	132,284		0.0000	1.0000	12.69
82.5	132,016	1,768	0.0134	0.9866	12.69
83.5	130,249	3,908	0.0300	0.9700	12.52
84.5	126,254		0.0000	1.0000	12.14
85.5	126,254		0.0000	1.0000	12.14
86.5	126,254	1,228	0.0097	0.9903	12.14
87.5	124,995		0.0000	1.0000	12.02
88.5	124,499		0.0000	1.0000	12.02
89.5	110,761		0.0000	1.0000	12.02
90.5	98,693	118	0.0012	0.9988	12.02
91.5	85,451		0.0000	1.0000	12.01
92.5	1,587		0.0000	1.0000	12.01
93.5	1,587		0.0000	1.0000	12.01
94.5	1,587		0.0000	1.0000	12.01
95.5	182		0.0000	1.0000	12.01
96.5	134		0.0000	1.0000	12.01
97.5	134		0.0000	1.0000	12.01
98.5	134		0.0000	1.0000	12.01
99.5	134		0.0000	1.0000	12.01
100.5	134		0.0000	1.0000	12.01
101.5	134		0.0000	1.0000	12.01
102.5	134		0.0000	1.0000	12.01
103.5	134		0.0000	1.0000	12.01
104.5	134		0.0000	1.0000	12.01
105.5					12.01

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 364.00 POLES, TOWERS AND FIXTURES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	274,105,760	179,000	0.0007	0.9993	100.00
0.5	263,940,257	2,066,173	0.0078	0.9922	99.93
1.5	253,795,366	2,245,828	0.0088	0.9912	99.15
2.5	236,347,329	1,756,949	0.0074	0.9926	98.27
3.5	227,867,314	1,842,747	0.0081	0.9919	97.54
4.5	216,768,896	1,955,302	0.0090	0.9910	96.76
5.5	205,850,412	1,539,207	0.0075	0.9925	95.88
6.5	192,768,281	1,381,649	0.0072	0.9928	95.17
7.5	165,776,527	1,322,272	0.0080	0.9920	94.48
8.5	156,606,625	1,402,877	0.0090	0.9910	93.73
9.5	146,887,735	971,866	0.0066	0.9934	92.89
10.5	138,392,865	946,349	0.0068	0.9932	92.28
11.5	128,636,146	906,513	0.0070	0.9930	91.64
12.5	121,293,511	954,518	0.0079	0.9921	91.00
13.5	114,704,389	786,647	0.0069	0.9931	90.28
14.5	108,174,117	756,893	0.0070	0.9930	89.66
15.5	103,154,077	767,579	0.0074	0.9926	89.04
16.5	98,928,412	696,248	0.0070	0.9930	88.37
17.5	94,932,515	755,369	0.0080	0.9920	87.75
18.5	91,165,955	695,249	0.0076	0.9924	87.05
19.5	87,986,602	699,835	0.0080	0.9920	86.39
20.5	83,106,503	658,626	0.0079	0.9921	85.70
21.5	80,207,656	623,603	0.0078	0.9922	85.02
22.5	77,441,054	666,408	0.0086	0.9914	84.36
23.5	74,384,078	618,399	0.0083	0.9917	83.64
24.5	70,685,973	589,576	0.0083	0.9917	82.94
25.5	67,707,357	611,029	0.0090	0.9910	82.25
26.5	64,265,249	494,768	0.0077	0.9923	81.51
27.5	60,900,916	516,769	0.0085	0.9915	80.88
28.5	57,354,019	482,193	0.0084	0.9916	80.19
29.5	52,259,252	482,566	0.0092	0.9908	79.52
30.5	47,130,278	455,038	0.0097	0.9903	78.78
31.5	44,564,080	466,332	0.0105	0.9895	78.02
32.5	41,782,438	455,641	0.0109	0.9891	77.21
33.5	39,514,338	427,573	0.0108	0.9892	76.37
34.5	37,682,979	471,232	0.0125	0.9875	75.54
35.5	35,732,797	504,892	0.0141	0.9859	74.59
36.5	33,741,335	454,750	0.0135	0.9865	73.54
37.5	32,003,793	452,312	0.0141	0.9859	72.55
38.5	29,731,287	395,956	0.0133	0.9867	71.52

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	28,128,406	378,317	0.0134	0.9866	70.57
40.5	26,484,703	334,595	0.0126	0.9874	69.62
41.5	24,886,193	321,820	0.0129	0.9871	68.74
42.5	23,237,682	260,483	0.0112	0.9888	67.85
43.5	21,724,078	248,232	0.0114	0.9886	67.09
44.5	19,614,479	213,561	0.0109	0.9891	66.33
45.5	16,625,055	222,738	0.0134	0.9866	65.60
46.5	13,291,709	159,277	0.0120	0.9880	64.73
47.5	10,835,316	139,708	0.0129	0.9871	63.95
48.5	9,238,255	107,061	0.0116	0.9884	63.13
49.5	8,007,617	109,916	0.0137	0.9863	62.39
50.5	7,176,961	92,280	0.0129	0.9871	61.54
51.5	6,361,174	93,660	0.0147	0.9853	60.75
52.5	5,743,719	86,922	0.0151	0.9849	59.85
53.5	5,007,953	80,428	0.0161	0.9839	58.95
54.5	4,432,622	67,420	0.0152	0.9848	58.00
55.5	3,801,247	69,212	0.0182	0.9818	57.12
56.5	3,335,208	53,941	0.0162	0.9838	56.08
57.5	2,904,888	51,896	0.0179	0.9821	55.17
58.5	2,542,203	51,513	0.0203	0.9797	54.18
59.5	2,192,966	40,428	0.0184	0.9816	53.09
60.5	1,879,131	34,831	0.0185	0.9815	52.11
61.5	1,664,110	31,248	0.0188	0.9812	51.14
62.5	1,426,924	25,731	0.0180	0.9820	50.18
63.5	1,195,644	24,878	0.0208	0.9792	49.28
64.5	1,021,289	21,244	0.0208	0.9792	48.25
65.5	869,247	17,152	0.0197	0.9803	47.25
66.5	699,447	14,590	0.0209	0.9791	46.32
67.5	606,111	13,470	0.0222	0.9778	45.35
68.5	517,708	13,178	0.0255	0.9745	44.34
69.5	404,873	7,548	0.0186	0.9814	43.21
70.5	352,688	8,177	0.0232	0.9768	42.41
71.5	305,978	6,045	0.0198	0.9802	41.42
72.5	276,869	6,816	0.0246	0.9754	40.61
73.5	252,934	6,849	0.0271	0.9729	39.61
74.5	236,402	5,773	0.0244	0.9756	38.53
75.5	218,855	4,549	0.0208	0.9792	37.59
76.5	203,190	4,039	0.0199	0.9801	36.81
77.5	184,027	4,903	0.0266	0.9734	36.08
78.5	164,600	3,159	0.0192	0.9808	35.12

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

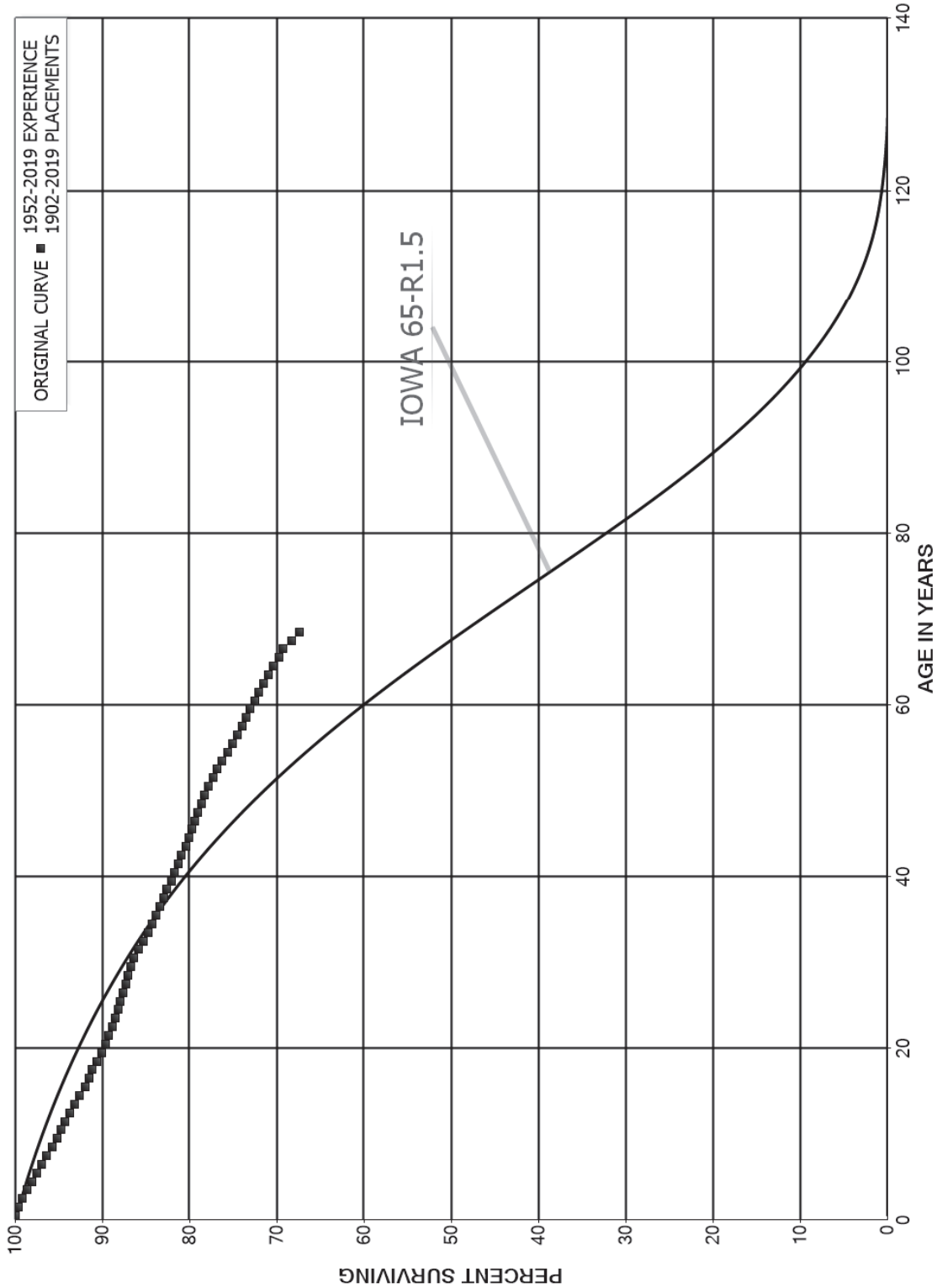
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	145,664	4,100	0.0281	0.9719	34.44
80.5	126,897	6,730	0.0530	0.9470	33.47
81.5	110,066	4,664	0.0424	0.9576	31.70
82.5	94,892	3,751	0.0395	0.9605	30.36
83.5	80,902	3,942	0.0487	0.9513	29.16
84.5	70,076	5,805	0.0828	0.9172	27.74
85.5	59,234	12,586	0.2125	0.7875	25.44
86.5	41,296	3,227	0.0781	0.9219	20.03
87.5	32,922	4,546	0.1381	0.8619	18.47
88.5	25,365	814	0.0321	0.9679	15.92
89.5	22,196	359	0.0162	0.9838	15.41
90.5	14,501	306	0.0211	0.9789	15.16
91.5	11,595	188	0.0162	0.9838	14.84
92.5	7,873	68	0.0086	0.9914	14.60
93.5	7,641	150	0.0196	0.9804	14.47
94.5	7,194	112	0.0155	0.9845	14.19
95.5	7,082	1,424	0.2011	0.7989	13.97
96.5	5,546	4,473	0.8065	0.1935	11.16
97.5	963	428	0.4449	0.5551	2.16
98.5	535	77	0.1449	0.8551	1.20
99.5	443	56	0.1271	0.8729	1.02
100.5	386	24	0.0631	0.9369	0.89
101.5	362	15	0.0414	0.9586	0.84
102.5	327	21	0.0655	0.9345	0.80
103.5	294	6	0.0201	0.9799	0.75
104.5	288	54	0.1874	0.8126	0.74
105.5	173	21	0.1213	0.8787	0.60
106.5	128	31	0.2407	0.7593	0.53
107.5	97	66	0.6767	0.3233	0.40
108.5	32	17	0.5238	0.4762	0.13
109.5	15		0.0000	1.0000	0.06
110.5	15		0.0000	1.0000	0.06
111.5	15		0.0000	1.0000	0.06
112.5	15		0.0000	1.0000	0.06
113.5	15		0.0000	1.0000	0.06
114.5					0.06

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	294,294,254	45,193	0.0002	0.9998	100.00
0.5	282,114,355	940,681	0.0033	0.9967	99.98
1.5	262,250,075	1,318,172	0.0050	0.9950	99.65
2.5	244,647,548	1,432,840	0.0059	0.9941	99.15
3.5	235,697,879	1,175,413	0.0050	0.9950	98.57
4.5	222,438,921	1,283,177	0.0058	0.9942	98.08
5.5	210,963,866	1,316,762	0.0062	0.9938	97.51
6.5	198,035,250	1,055,025	0.0053	0.9947	96.90
7.5	184,711,401	1,313,253	0.0071	0.9929	96.39
8.5	174,270,949	908,798	0.0052	0.9948	95.70
9.5	161,689,857	854,123	0.0053	0.9947	95.20
10.5	151,365,122	720,908	0.0048	0.9952	94.70
11.5	139,744,613	821,324	0.0059	0.9941	94.25
12.5	131,913,150	804,900	0.0061	0.9939	93.70
13.5	124,902,410	717,346	0.0057	0.9943	93.12
14.5	118,026,981	765,980	0.0065	0.9935	92.59
15.5	112,413,784	565,126	0.0050	0.9950	91.99
16.5	107,806,118	452,256	0.0042	0.9958	91.53
17.5	103,431,584	579,207	0.0056	0.9944	91.14
18.5	99,121,076	578,124	0.0058	0.9942	90.63
19.5	94,738,428	475,109	0.0050	0.9950	90.10
20.5	88,224,997	366,140	0.0042	0.9958	89.65
21.5	84,626,323	396,202	0.0047	0.9953	89.28
22.5	81,703,703	284,825	0.0035	0.9965	88.86
23.5	78,299,132	310,523	0.0040	0.9960	88.55
24.5	73,623,999	231,992	0.0032	0.9968	88.20
25.5	69,544,107	223,600	0.0032	0.9968	87.92
26.5	65,688,396	252,172	0.0038	0.9962	87.64
27.5	61,616,709	187,163	0.0030	0.9970	87.30
28.5	58,245,459	200,406	0.0034	0.9966	87.04
29.5	53,115,288	177,588	0.0033	0.9967	86.74
30.5	47,596,176	353,918	0.0074	0.9926	86.45
31.5	45,495,385	280,746	0.0062	0.9938	85.81
32.5	43,304,033	261,715	0.0060	0.9940	85.28
33.5	41,372,063	229,917	0.0056	0.9944	84.76
34.5	39,854,411	238,240	0.0060	0.9940	84.29
35.5	38,403,436	156,595	0.0041	0.9959	83.79
36.5	36,926,004	200,961	0.0054	0.9946	83.44
37.5	35,361,865	177,911	0.0050	0.9950	82.99
38.5	33,258,833	184,686	0.0056	0.9944	82.57

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	31,807,124	170,900	0.0054	0.9946	82.11
40.5	30,328,981	149,086	0.0049	0.9951	81.67
41.5	28,965,006	121,995	0.0042	0.9958	81.27
42.5	27,279,639	164,159	0.0060	0.9940	80.93
43.5	25,809,052	125,614	0.0049	0.9951	80.44
44.5	23,708,321	81,873	0.0035	0.9965	80.05
45.5	20,491,511	88,890	0.0043	0.9957	79.77
46.5	17,207,447	79,534	0.0046	0.9954	79.43
47.5	14,367,406	78,298	0.0054	0.9946	79.06
48.5	12,598,223	60,129	0.0048	0.9952	78.63
49.5	10,727,093	62,703	0.0058	0.9942	78.25
50.5	9,776,714	61,655	0.0063	0.9937	77.80
51.5	8,658,812	55,081	0.0064	0.9936	77.31
52.5	7,985,979	54,121	0.0068	0.9932	76.81
53.5	6,958,987	66,831	0.0096	0.9904	76.29
54.5	6,280,311	42,895	0.0068	0.9932	75.56
55.5	5,573,836	40,856	0.0073	0.9927	75.05
56.5	5,015,364	38,169	0.0076	0.9924	74.49
57.5	4,466,138	25,619	0.0057	0.9943	73.93
58.5	3,988,484	21,854	0.0055	0.9945	73.50
59.5	3,508,024	28,005	0.0080	0.9920	73.10
60.5	3,099,715	17,101	0.0055	0.9945	72.52
61.5	2,720,088	23,550	0.0087	0.9913	72.12
62.5	2,331,233	17,450	0.0075	0.9925	71.49
63.5	1,947,317	16,383	0.0084	0.9916	70.96
64.5	1,692,143	14,423	0.0085	0.9915	70.36
65.5	1,478,803	11,013	0.0074	0.9926	69.76
66.5	1,115,054	14,679	0.0132	0.9868	69.24
67.5	1,030,181	14,521	0.0141	0.9859	68.33
68.5	899,522	7,149	0.0079	0.9921	67.37
69.5	764,004	8,738	0.0114	0.9886	66.83
70.5	683,825	7,723	0.0113	0.9887	66.07
71.5	610,689	6,987	0.0114	0.9886	65.32
72.5	558,323	8,581	0.0154	0.9846	64.57
73.5	521,598	5,162	0.0099	0.9901	63.58
74.5	506,846	2,952	0.0058	0.9942	62.95
75.5	500,029	4,512	0.0090	0.9910	62.59
76.5	493,675	3,470	0.0070	0.9930	62.02
77.5	472,233	4,486	0.0095	0.9905	61.59
78.5	445,298	3,133	0.0070	0.9930	61.00

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

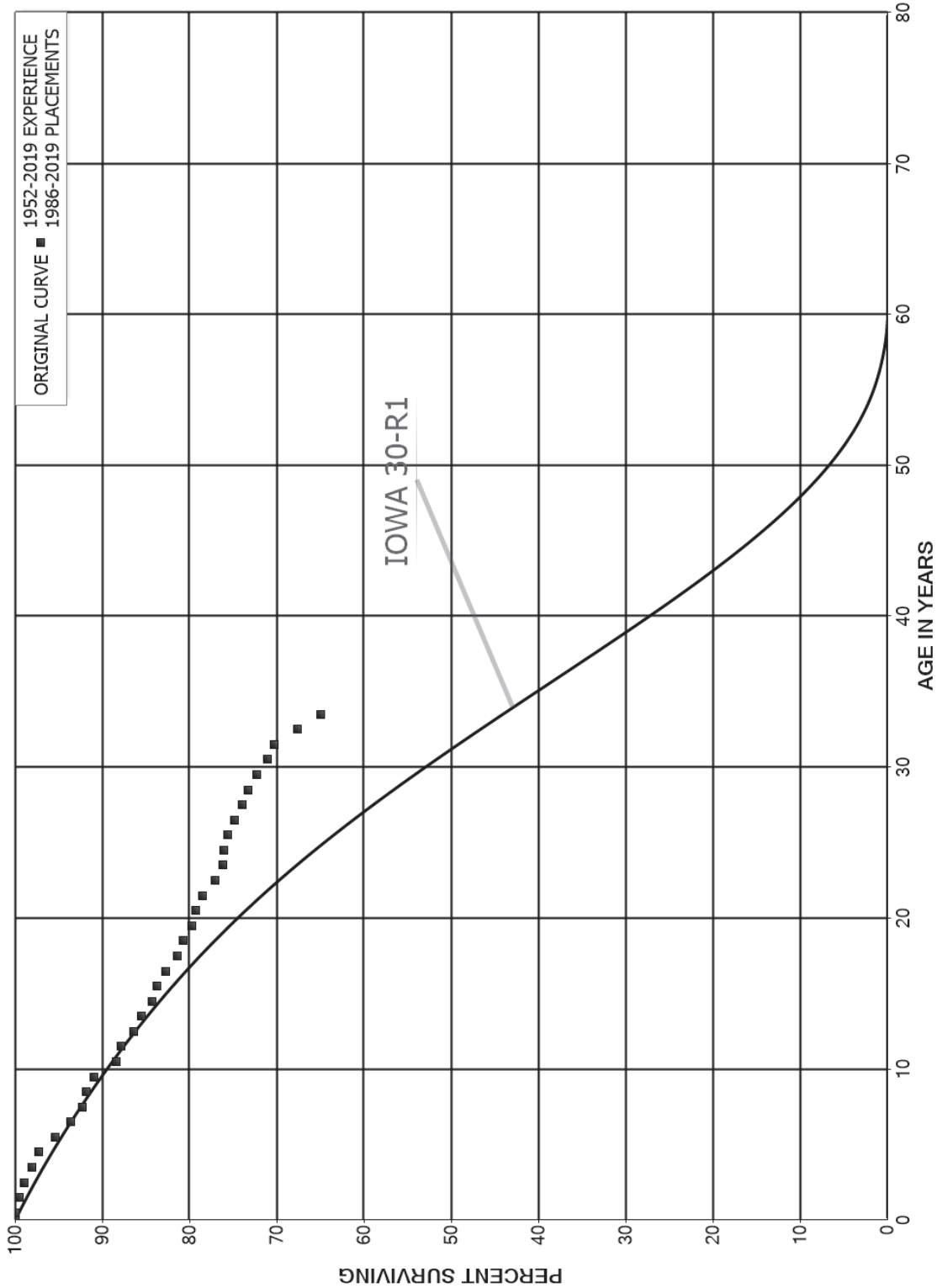
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	418,703	5,681	0.0136	0.9864	60.57
80.5	384,649	4,546	0.0118	0.9882	59.75
81.5	354,670	2,992	0.0084	0.9916	59.04
82.5	319,214	2,439	0.0076	0.9924	58.54
83.5	291,641	3,606	0.0124	0.9876	58.10
84.5	275,560	1,974	0.0072	0.9928	57.38
85.5	260,221	1,609	0.0062	0.9938	56.97
86.5	242,335	1,591	0.0066	0.9934	56.62
87.5	220,539	854	0.0039	0.9961	56.24
88.5	202,208	1,196	0.0059	0.9941	56.03
89.5	169,004	1,118	0.0066	0.9934	55.69
90.5	124,849	676	0.0054	0.9946	55.33
91.5	100,712	295	0.0029	0.9971	55.03
92.5	71,994	110	0.0015	0.9985	54.87
93.5	53,439	113	0.0021	0.9979	54.78
94.5	37,957	130	0.0034	0.9966	54.67
95.5	32,486	76	0.0023	0.9977	54.48
96.5	14,708	148	0.0100	0.9900	54.35
97.5	10,809	141	0.0130	0.9870	53.81
98.5	9,757	27	0.0028	0.9972	53.10
99.5	9,419	135	0.0143	0.9857	52.95
100.5	9,052	83	0.0091	0.9909	52.20
101.5	7,455	34	0.0046	0.9954	51.72
102.5	6,273	35	0.0055	0.9945	51.48
103.5	5,699	5	0.0009	0.9991	51.20
104.5	5,378	67	0.0124	0.9876	51.15
105.5	4,956	3	0.0006	0.9994	50.52
106.5	4,309		0.0000	1.0000	50.48
107.5	3,634	95	0.0262	0.9738	50.48
108.5	3,410	7	0.0022	0.9978	49.16
109.5	2,423	105	0.0435	0.9565	49.06
110.5	1,909	368	0.1930	0.8070	46.92
111.5	1,416		0.0000	1.0000	37.87
112.5	1,416		0.0000	1.0000	37.87
113.5	1,416		0.0000	1.0000	37.87
114.5	1,416		0.0000	1.0000	37.87
115.5	1,416		0.0000	1.0000	37.87
116.5	1,416		0.0000	1.0000	37.87
117.5					37.87

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 365.10 OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.10 OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS

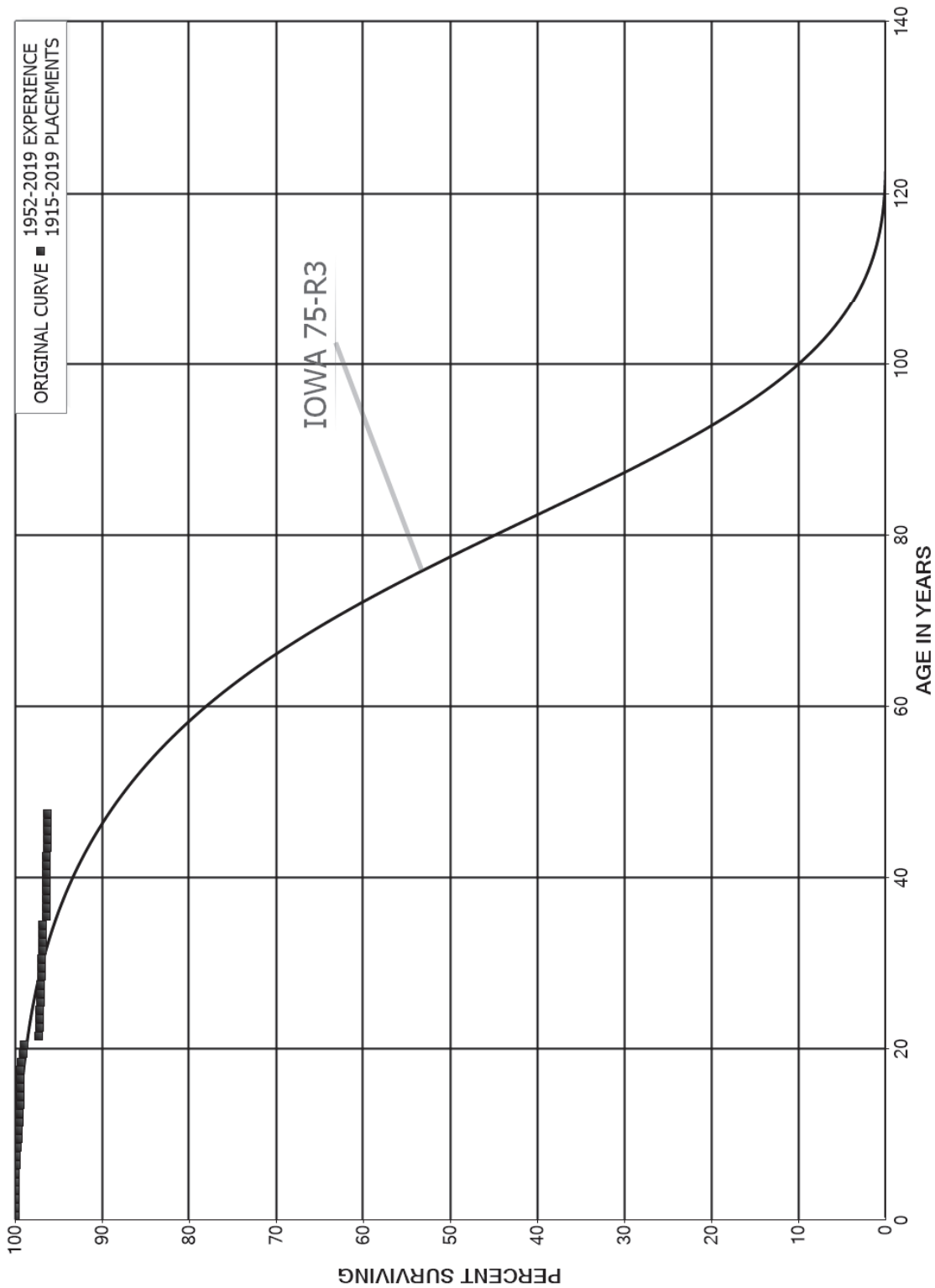
ORIGINAL LIFE TABLE

PLACEMENT BAND 1986-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	7,930,248		0.0000	1.0000	100.00
0.5	7,368,370	39,253	0.0053	0.9947	100.00
1.5	6,903,497	38,007	0.0055	0.9945	99.47
2.5	6,679,240	58,773	0.0088	0.9912	98.92
3.5	6,268,970	49,382	0.0079	0.9921	98.05
4.5	5,846,230	115,220	0.0197	0.9803	97.28
5.5	5,568,159	103,205	0.0185	0.9815	95.36
6.5	5,056,612	68,958	0.0136	0.9864	93.59
7.5	4,370,987	21,860	0.0050	0.9950	92.32
8.5	4,084,721	41,698	0.0102	0.9898	91.85
9.5	3,577,309	98,598	0.0276	0.9724	90.92
10.5	3,233,659	22,583	0.0070	0.9930	88.41
11.5	2,869,144	47,252	0.0165	0.9835	87.79
12.5	2,683,574	26,370	0.0098	0.9902	86.35
13.5	2,531,884	35,991	0.0142	0.9858	85.50
14.5	2,393,685	15,064	0.0063	0.9937	84.28
15.5	2,345,750	29,340	0.0125	0.9875	83.75
16.5	2,275,669	37,482	0.0165	0.9835	82.71
17.5	2,138,783	15,593	0.0073	0.9927	81.34
18.5	2,095,617	26,418	0.0126	0.9874	80.75
19.5	2,041,711	10,583	0.0052	0.9948	79.73
20.5	2,003,668	19,632	0.0098	0.9902	79.32
21.5	1,881,223	34,959	0.0186	0.9814	78.54
22.5	1,837,772	20,865	0.0114	0.9886	77.08
23.5	1,769,770	2,984	0.0017	0.9983	76.21
24.5	1,752,592	10,313	0.0059	0.9941	76.08
25.5	1,700,811	18,517	0.0109	0.9891	75.63
26.5	1,620,498	17,947	0.0111	0.9889	74.81
27.5	1,532,577	15,006	0.0098	0.9902	73.98
28.5	1,160,643	14,554	0.0125	0.9875	73.25
29.5	975,065	16,535	0.0170	0.9830	72.34
30.5	634,200	7,259	0.0114	0.9886	71.11
31.5	484,877	18,636	0.0384	0.9616	70.30
32.5	466,241	18,252	0.0391	0.9609	67.59
33.5					64.95

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 366.00 UNDERGROUND CONDUIT
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1915-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	50,664,803		0.0000	1.0000	100.00
0.5	49,922,300	8,116	0.0002	0.9998	100.00
1.5	44,846,236	16,202	0.0004	0.9996	99.98
2.5	43,748,740	8,272	0.0002	0.9998	99.95
3.5	41,376,395	3,952	0.0001	0.9999	99.93
4.5	40,201,226	2,556	0.0001	0.9999	99.92
5.5	36,428,040	12,036	0.0003	0.9997	99.91
6.5	35,671,335	23,426	0.0007	0.9993	99.88
7.5	34,682,288	21,394	0.0006	0.9994	99.81
8.5	32,446,899	46,933	0.0014	0.9986	99.75
9.5	31,534,777	10,781	0.0003	0.9997	99.61
10.5	30,079,967	15,126	0.0005	0.9995	99.57
11.5	27,806,940	18,851	0.0007	0.9993	99.52
12.5	26,587,719	12,659	0.0005	0.9995	99.46
13.5	25,603,625	6,376	0.0002	0.9998	99.41
14.5	25,046,083	1,143	0.0000	1.0000	99.38
15.5	23,929,612	4,808	0.0002	0.9998	99.38
16.5	21,379,203	829	0.0000	1.0000	99.36
17.5	20,982,021	12,377	0.0006	0.9994	99.36
18.5	20,693,386	58,050	0.0028	0.9972	99.30
19.5	20,167,275	8,561	0.0004	0.9996	99.02
20.5	19,554,522	343,789	0.0176	0.9824	98.98
21.5	18,065,927	1,520	0.0001	0.9999	97.24
22.5	17,894,991	1,020	0.0001	0.9999	97.23
23.5	17,467,202	4,498	0.0003	0.9997	97.22
24.5	16,499,561	18,083	0.0011	0.9989	97.20
25.5	16,054,743	452	0.0000	1.0000	97.09
26.5	15,205,627	2,234	0.0001	0.9999	97.09
27.5	14,382,773	20,459	0.0014	0.9986	97.07
28.5	10,839,649	464	0.0000	1.0000	96.94
29.5	9,438,814	3,677	0.0004	0.9996	96.93
30.5	8,494,026	1,019	0.0001	0.9999	96.89
31.5	8,023,194	2,681	0.0003	0.9997	96.88
32.5	8,020,513	4,517	0.0006	0.9994	96.85
33.5	7,224,318	322	0.0000	1.0000	96.80
34.5	6,777,807	24,122	0.0036	0.9964	96.79
35.5	6,436,241	140	0.0000	1.0000	96.45
36.5	6,102,352	582	0.0001	0.9999	96.45
37.5	5,772,730	412	0.0001	0.9999	96.44
38.5	5,178,948	148	0.0000	1.0000	96.43

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	4,877,855	3,613	0.0007	0.9993	96.43
40.5	4,676,791	1	0.0000	1.0000	96.36
41.5	4,401,481	129	0.0000	1.0000	96.35
42.5	4,086,288	1,666	0.0004	0.9996	96.35
43.5	2,229,950	824	0.0004	0.9996	96.31
44.5	2,140,361	815	0.0004	0.9996	96.28
45.5	1,755,349	1	0.0000	1.0000	96.24
46.5	979,941		0.0000	1.0000	96.24
47.5	278,023		0.0000	1.0000	96.24
48.5	231,421		0.0000	1.0000	96.24
49.5	231,189		0.0000	1.0000	96.24
50.5	144,542		0.0000	1.0000	96.24
51.5	133,663		0.0000	1.0000	96.24
52.5	90,097		0.0000	1.0000	96.24
53.5	80,085		0.0000	1.0000	96.24
54.5	71,395	1	0.0000	1.0000	96.24
55.5	64,336		0.0000	1.0000	96.24
56.5	61,623		0.0000	1.0000	96.24
57.5	61,623		0.0000	1.0000	96.24
58.5	57,519		0.0000	1.0000	96.24
59.5	57,519	21	0.0004	0.9996	96.24
60.5	54,376		0.0000	1.0000	96.20
61.5	49,604		0.0000	1.0000	96.20
62.5	44,136		0.0000	1.0000	96.20
63.5	41,409		0.0000	1.0000	96.20
64.5	23,738		0.0000	1.0000	96.20
65.5	23,361		0.0000	1.0000	96.20
66.5	4,033		0.0000	1.0000	96.20
67.5	2,867		0.0000	1.0000	96.20
68.5	2,867		0.0000	1.0000	96.20
69.5	2,867		0.0000	1.0000	96.20
70.5	1,944		0.0000	1.0000	96.20
71.5	1,944		0.0000	1.0000	96.20
72.5	1,944		0.0000	1.0000	96.20
73.5	1,944		0.0000	1.0000	96.20
74.5	1,944		0.0000	1.0000	96.20
75.5	1,944		0.0000	1.0000	96.20
76.5	1,944		0.0000	1.0000	96.20
77.5	1,944		0.0000	1.0000	96.20
78.5	1,944		0.0000	1.0000	96.20

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

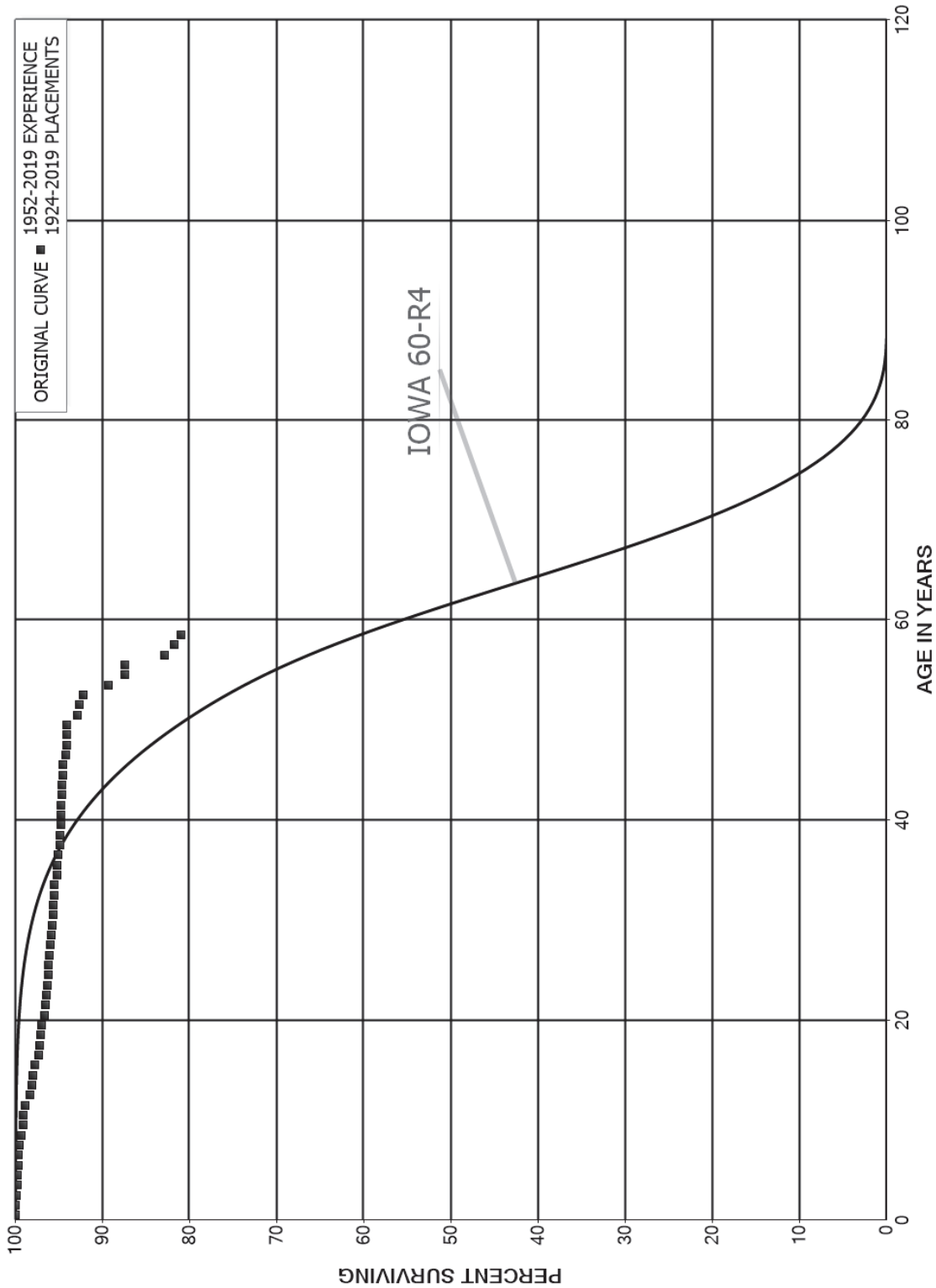
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1915-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,944		0.0000	1.0000	96.20
80.5	1,944		0.0000	1.0000	96.20
81.5	1,944		0.0000	1.0000	96.20
82.5	1,944		0.0000	1.0000	96.20
83.5	1,944		0.0000	1.0000	96.20
84.5	1,944		0.0000	1.0000	96.20
85.5	1,944		0.0000	1.0000	96.20
86.5	1,944		0.0000	1.0000	96.20
87.5	1,944		0.0000	1.0000	96.20
88.5	1,944		0.0000	1.0000	96.20
89.5	1,944		0.0000	1.0000	96.20
90.5	1,944		0.0000	1.0000	96.20
91.5	1,944		0.0000	1.0000	96.20
92.5	1,944		0.0000	1.0000	96.20
93.5	1,944		0.0000	1.0000	96.20
94.5	1,944		0.0000	1.0000	96.20
95.5	1,944		0.0000	1.0000	96.20
96.5	1,944		0.0000	1.0000	96.20
97.5	1,944		0.0000	1.0000	96.20
98.5	1,944		0.0000	1.0000	96.20
99.5	1,944		0.0000	1.0000	96.20
100.5	1,944		0.0000	1.0000	96.20
101.5	1,944		0.0000	1.0000	96.20
102.5	1,944		0.0000	1.0000	96.20
103.5	1,944		0.0000	1.0000	96.20
104.5					96.20

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1924-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	216,150,784	944	0.0000	1.0000	100.00
0.5	208,670,348	212,746	0.0010	0.9990	100.00
1.5	192,865,023	72,146	0.0004	0.9996	99.90
2.5	183,869,535	149,197	0.0008	0.9992	99.86
3.5	166,603,488	95,983	0.0006	0.9994	99.78
4.5	157,168,190	90,283	0.0006	0.9994	99.72
5.5	146,596,607	71,757	0.0005	0.9995	99.66
6.5	140,408,108	147,978	0.0011	0.9989	99.62
7.5	133,401,251	279,056	0.0021	0.9979	99.51
8.5	125,125,672	233,380	0.0019	0.9981	99.30
9.5	117,946,311	106,981	0.0009	0.9991	99.12
10.5	111,713,326	246,959	0.0022	0.9978	99.03
11.5	104,858,578	500,775	0.0048	0.9952	98.81
12.5	99,120,778	239,060	0.0024	0.9976	98.34
13.5	95,058,348	107,887	0.0011	0.9989	98.10
14.5	90,379,707	279,226	0.0031	0.9969	97.99
15.5	82,112,616	341,321	0.0042	0.9958	97.69
16.5	78,223,783	72,816	0.0009	0.9991	97.28
17.5	74,748,466	76,977	0.0010	0.9990	97.19
18.5	71,440,570	79,976	0.0011	0.9989	97.09
19.5	67,783,721	246,254	0.0036	0.9964	96.98
20.5	64,417,991	102,926	0.0016	0.9984	96.63
21.5	60,542,730	50,332	0.0008	0.9992	96.47
22.5	58,025,795	57,790	0.0010	0.9990	96.39
23.5	55,537,715	38,787	0.0007	0.9993	96.30
24.5	51,965,745	42,069	0.0008	0.9992	96.23
25.5	48,408,003	63,132	0.0013	0.9987	96.15
26.5	45,972,767	29,885	0.0007	0.9993	96.03
27.5	42,320,266	74,185	0.0018	0.9982	95.96
28.5	35,972,268	27,472	0.0008	0.9992	95.80
29.5	30,340,424	19,354	0.0006	0.9994	95.72
30.5	23,610,926	11,154	0.0005	0.9995	95.66
31.5	21,903,597	18,621	0.0009	0.9991	95.62
32.5	21,761,424	16,679	0.0008	0.9992	95.54
33.5	18,947,601	46,604	0.0025	0.9975	95.46
34.5	17,644,467	5,618	0.0003	0.9997	95.23
35.5	16,726,985	28,578	0.0017	0.9983	95.20
36.5	15,787,721	30,390	0.0019	0.9981	95.03
37.5	14,197,790	7,282	0.0005	0.9995	94.85
38.5	12,141,144	4,824	0.0004	0.9996	94.80

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1924-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	11,446,648	6,921	0.0006	0.9994	94.76
40.5	10,864,337	4,109	0.0004	0.9996	94.71
41.5	9,757,535	4,645	0.0005	0.9995	94.67
42.5	8,763,142	2,692	0.0003	0.9997	94.63
43.5	7,117,674	5,640	0.0008	0.9992	94.60
44.5	6,413,097	4,627	0.0007	0.9993	94.52
45.5	4,910,706	14,008	0.0029	0.9971	94.45
46.5	2,707,152	2,677	0.0010	0.9990	94.19
47.5	1,999,468		0.0000	1.0000	94.09
48.5	1,453,508		0.0000	1.0000	94.09
49.5	1,043,156	14,136	0.0136	0.9864	94.09
50.5	721,046	1,529	0.0021	0.9979	92.82
51.5	505,057	2,650	0.0052	0.9948	92.62
52.5	286,476	8,826	0.0308	0.9692	92.13
53.5	121,871	2,571	0.0211	0.9789	89.30
54.5	75,466	3	0.0000	1.0000	87.41
55.5	54,113	2,810	0.0519	0.9481	87.41
56.5	38,008	542	0.0143	0.9857	82.87
57.5	35,868	337	0.0094	0.9906	81.69
58.5	29,727	1	0.0000	1.0000	80.92
59.5	29,299	24	0.0008	0.9992	80.92
60.5	27,210		0.0000	1.0000	80.85
61.5	21,995		0.0000	1.0000	80.85
62.5	21,995		0.0000	1.0000	80.85
63.5	21,995	2,880	0.1309	0.8691	80.85
64.5	3,922		0.0000	1.0000	70.27
65.5	3,922		0.0000	1.0000	70.27
66.5	995		0.0000	1.0000	70.27
67.5	995		0.0000	1.0000	70.27
68.5	995		0.0000	1.0000	70.27
69.5	995		0.0000	1.0000	70.27
70.5	995		0.0000	1.0000	70.27
71.5	995		0.0000	1.0000	70.27
72.5	995		0.0000	1.0000	70.27
73.5	995		0.0000	1.0000	70.27
74.5	995		0.0000	1.0000	70.27
75.5	779		0.0000	1.0000	70.27
76.5	779		0.0000	1.0000	70.27
77.5	779		0.0000	1.0000	70.27
78.5	779		0.0000	1.0000	70.27

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

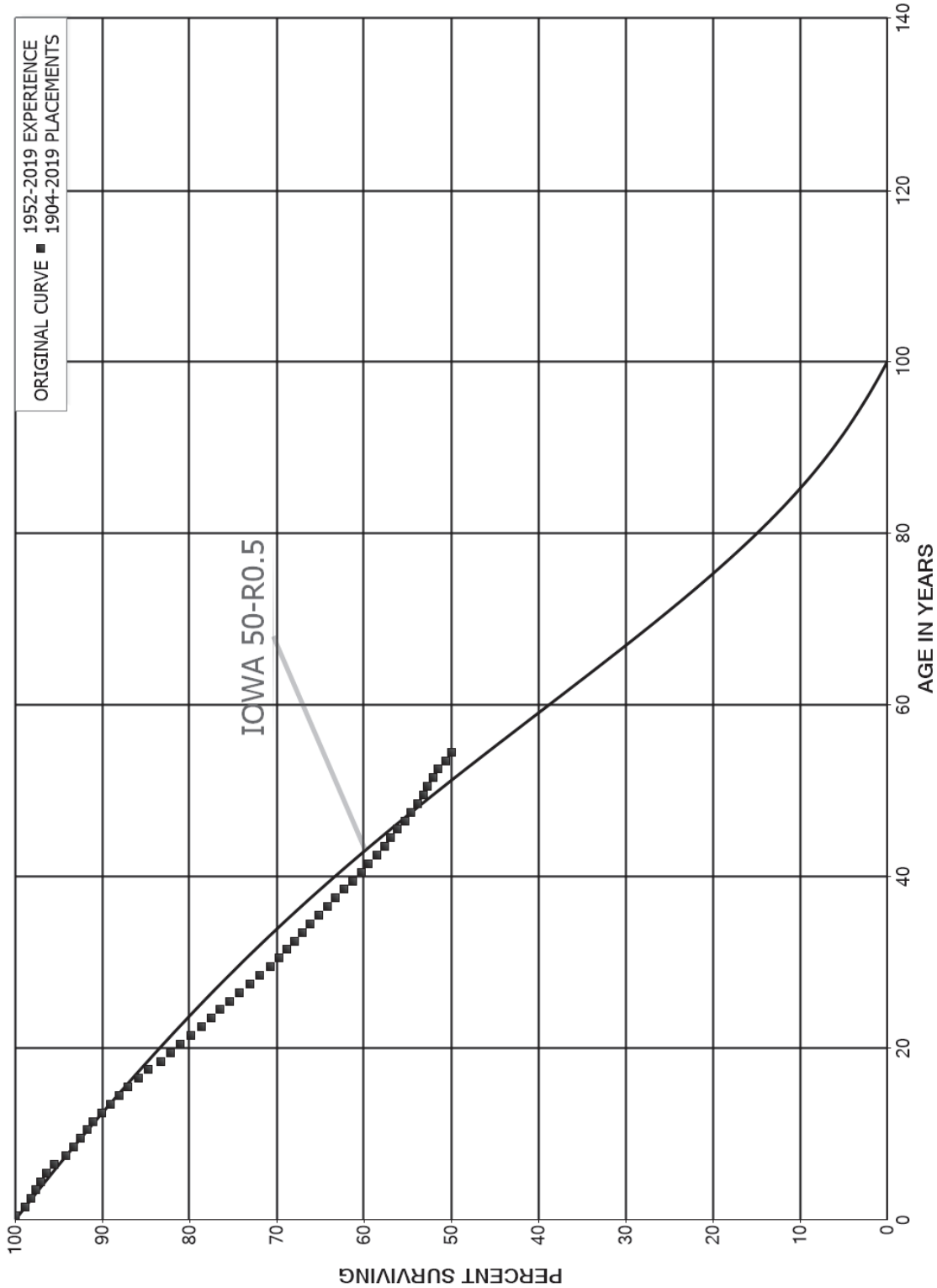
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1924-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	779		0.0000	1.0000	70.27
80.5	779		0.0000	1.0000	70.27
81.5	779	1	0.0013	0.9987	70.27
82.5	778		0.0000	1.0000	70.18
83.5	778		0.0000	1.0000	70.18
84.5	778		0.0000	1.0000	70.18
85.5	778		0.0000	1.0000	70.18
86.5	778		0.0000	1.0000	70.18
87.5	778		0.0000	1.0000	70.18
88.5	778		0.0000	1.0000	70.18
89.5	778		0.0000	1.0000	70.18
90.5	778		0.0000	1.0000	70.18
91.5	778		0.0000	1.0000	70.18
92.5	778		0.0000	1.0000	70.18
93.5	778		0.0000	1.0000	70.18
94.5	778		0.0000	1.0000	70.18
95.5					70.18

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1904-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	225,035,313	191,557	0.0009	0.9991	100.00
0.5	214,510,889	2,330,455	0.0109	0.9891	99.91
1.5	203,294,316	1,265,957	0.0062	0.9938	98.83
2.5	193,835,347	1,143,547	0.0059	0.9941	98.21
3.5	186,311,086	1,146,807	0.0062	0.9938	97.63
4.5	181,230,172	1,233,878	0.0068	0.9932	97.03
5.5	171,076,176	1,580,434	0.0092	0.9908	96.37
6.5	160,604,685	2,261,121	0.0141	0.9859	95.48
7.5	154,226,130	1,400,852	0.0091	0.9909	94.14
8.5	146,977,726	1,229,052	0.0084	0.9916	93.28
9.5	140,157,558	1,143,145	0.0082	0.9918	92.50
10.5	130,701,324	1,013,116	0.0078	0.9922	91.75
11.5	119,406,016	1,278,174	0.0107	0.9893	91.04
12.5	111,866,831	1,199,311	0.0107	0.9893	90.06
13.5	104,108,927	1,166,468	0.0112	0.9888	89.10
14.5	98,620,017	1,139,121	0.0116	0.9884	88.10
15.5	93,833,230	1,336,554	0.0142	0.9858	87.08
16.5	89,919,300	1,184,484	0.0132	0.9868	85.84
17.5	84,627,062	1,379,060	0.0163	0.9837	84.71
18.5	80,946,253	1,107,082	0.0137	0.9863	83.33
19.5	76,497,691	1,055,611	0.0138	0.9862	82.19
20.5	73,616,945	1,092,546	0.0148	0.9852	81.06
21.5	70,618,721	1,057,456	0.0150	0.9850	79.85
22.5	67,662,465	983,499	0.0145	0.9855	78.66
23.5	65,060,610	891,042	0.0137	0.9863	77.51
24.5	62,079,219	882,719	0.0142	0.9858	76.45
25.5	58,599,424	877,734	0.0150	0.9850	75.37
26.5	55,813,401	853,177	0.0153	0.9847	74.24
27.5	52,538,312	863,748	0.0164	0.9836	73.10
28.5	49,357,650	819,784	0.0166	0.9834	71.90
29.5	46,083,187	622,769	0.0135	0.9865	70.71
30.5	43,200,953	573,807	0.0133	0.9867	69.75
31.5	40,071,985	495,367	0.0124	0.9876	68.82
32.5	36,747,714	501,447	0.0136	0.9864	67.97
33.5	33,934,830	457,292	0.0135	0.9865	67.05
34.5	31,441,855	454,219	0.0144	0.9856	66.14
35.5	29,611,101	459,152	0.0155	0.9845	65.19
36.5	28,109,887	368,949	0.0131	0.9869	64.18
37.5	26,793,880	436,330	0.0163	0.9837	63.33
38.5	25,148,858	421,631	0.0168	0.9832	62.30

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1904-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	23,539,692	376,585	0.0160	0.9840	61.26
40.5	22,376,958	297,442	0.0133	0.9867	60.28
41.5	21,405,768	343,251	0.0160	0.9840	59.48
42.5	20,387,565	301,598	0.0148	0.9852	58.52
43.5	19,608,168	259,579	0.0132	0.9868	57.66
44.5	18,804,251	240,400	0.0128	0.9872	56.89
45.5	15,510,639	228,438	0.0147	0.9853	56.17
46.5	11,652,135	145,471	0.0125	0.9875	55.34
47.5	9,530,625	136,461	0.0143	0.9857	54.65
48.5	8,024,820	95,072	0.0118	0.9882	53.87
49.5	6,500,895	65,270	0.0100	0.9900	53.23
50.5	5,199,997	64,759	0.0125	0.9875	52.69
51.5	4,476,208	50,070	0.0112	0.9888	52.04
52.5	3,311,925	51,957	0.0157	0.9843	51.45
53.5	2,420,651	34,496	0.0143	0.9857	50.65
54.5	1,979,911	21,859	0.0110	0.9890	49.93
55.5	1,719,914	21,644	0.0126	0.9874	49.37
56.5	1,509,221	17,971	0.0119	0.9881	48.75
57.5	1,325,995	14,597	0.0110	0.9890	48.17
58.5	1,169,269	24,073	0.0206	0.9794	47.64
59.5	1,008,187	9,620	0.0095	0.9905	46.66
60.5	855,927	11,495	0.0134	0.9866	46.22
61.5	753,063	7,790	0.0103	0.9897	45.60
62.5	630,356	5,271	0.0084	0.9916	45.12
63.5	525,685	3,554	0.0068	0.9932	44.75
64.5	422,137	5,394	0.0128	0.9872	44.44
65.5	354,362	3,293	0.0093	0.9907	43.88
66.5	287,578	2,463	0.0086	0.9914	43.47
67.5	259,081	1,374	0.0053	0.9947	43.10
68.5	222,006	2,839	0.0128	0.9872	42.87
69.5	178,073	1,307	0.0073	0.9927	42.32
70.5	151,036	179	0.0012	0.9988	42.01
71.5	110,005	2,147	0.0195	0.9805	41.96
72.5	92,405	84	0.0009	0.9991	41.14
73.5	78,051	238	0.0030	0.9970	41.10
74.5	72,134	360	0.0050	0.9950	40.98
75.5	69,197	281	0.0041	0.9959	40.77
76.5	66,862	72	0.0011	0.9989	40.61
77.5	64,390	80	0.0012	0.9988	40.56
78.5	59,920	73	0.0012	0.9988	40.51

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS

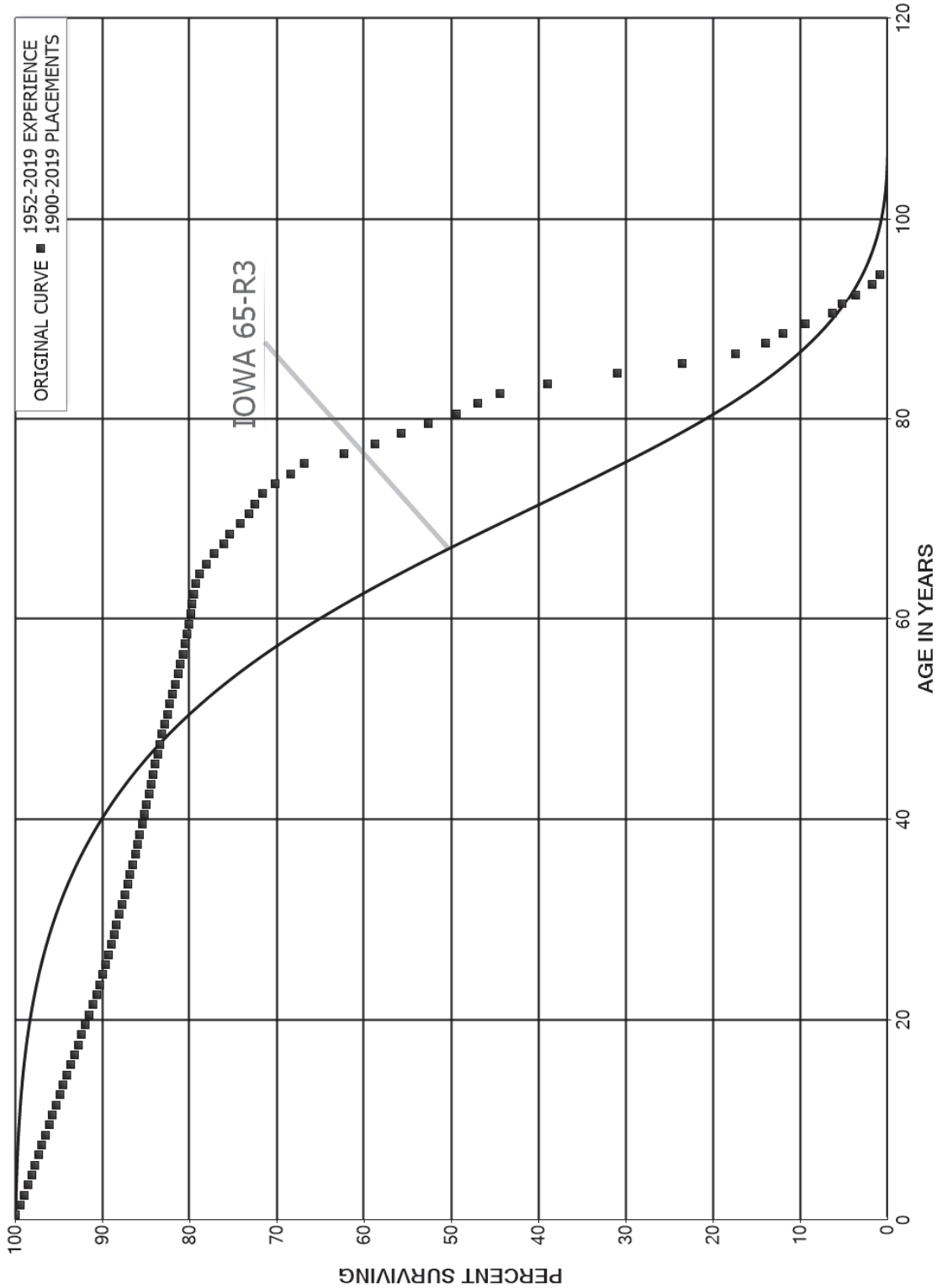
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1904-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	55,608	245	0.0044	0.9956	40.46
80.5	50,838	1	0.0000	1.0000	40.29
81.5	47,676	346	0.0073	0.9927	40.29
82.5	42,645	62	0.0014	0.9986	39.99
83.5	37,782	38	0.0010	0.9990	39.93
84.5	36,591	16	0.0004	0.9996	39.89
85.5	35,924	90	0.0025	0.9975	39.88
86.5	35,173	31	0.0009	0.9991	39.78
87.5	34,815	114	0.0033	0.9967	39.74
88.5	32,165	1	0.0000	1.0000	39.61
89.5	27,502		0.0000	1.0000	39.61
90.5	24,214		0.0000	1.0000	39.61
91.5	21,139		0.0000	1.0000	39.61
92.5	18,493	20	0.0011	0.9989	39.61
93.5	14,157		0.0000	1.0000	39.57
94.5	10,228		0.0000	1.0000	39.57
95.5	8,686		0.0000	1.0000	39.57
96.5	6,917	74	0.0107	0.9893	39.57
97.5	5,542		0.0000	1.0000	39.14
98.5	4,567		0.0000	1.0000	39.14
99.5	3,132	2	0.0006	0.9994	39.14
100.5	2,966		0.0000	1.0000	39.12
101.5	2,143		0.0000	1.0000	39.12
102.5	1,149	268	0.2332	0.7668	39.12
103.5	544	50	0.0911	0.9089	30.00
104.5	252		0.0000	1.0000	27.26
105.5	252		0.0000	1.0000	27.26
106.5	40	40	1.0000		27.26
107.5					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 369.10 SERVICES - OVERHEAD
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	25,794,990	14,530	0.0006	0.9994	100.00
0.5	25,457,023	137,928	0.0054	0.9946	99.94
1.5	25,012,930	109,960	0.0044	0.9956	99.40
2.5	24,420,415	108,295	0.0044	0.9956	98.97
3.5	23,828,472	101,051	0.0042	0.9958	98.53
4.5	23,242,054	101,370	0.0044	0.9956	98.11
5.5	22,778,595	95,683	0.0042	0.9958	97.68
6.5	22,233,612	86,077	0.0039	0.9961	97.27
7.5	21,787,461	92,268	0.0042	0.9958	96.89
8.5	21,380,492	87,593	0.0041	0.9959	96.48
9.5	20,946,842	90,231	0.0043	0.9957	96.09
10.5	20,555,390	89,918	0.0044	0.9956	95.67
11.5	20,106,002	86,214	0.0043	0.9957	95.26
12.5	19,661,292	79,998	0.0041	0.9959	94.85
13.5	19,308,529	89,845	0.0047	0.9953	94.46
14.5	18,943,587	85,270	0.0045	0.9955	94.02
15.5	18,613,083	77,394	0.0042	0.9958	93.60
16.5	18,314,861	88,370	0.0048	0.9952	93.21
17.5	17,999,681	79,421	0.0044	0.9956	92.76
18.5	17,705,613	87,042	0.0049	0.9951	92.35
19.5	17,430,208	75,762	0.0043	0.9957	91.90
20.5	17,176,180	85,544	0.0050	0.9950	91.50
21.5	16,888,302	70,731	0.0042	0.9958	91.04
22.5	16,578,210	72,390	0.0044	0.9956	90.66
23.5	16,280,356	59,522	0.0037	0.9963	90.26
24.5	15,958,486	60,323	0.0038	0.9962	89.93
25.5	15,573,455	55,983	0.0036	0.9964	89.59
26.5	15,191,589	54,056	0.0036	0.9964	89.27
27.5	14,769,634	47,943	0.0032	0.9968	88.95
28.5	14,079,365	45,527	0.0032	0.9968	88.67
29.5	13,028,700	41,449	0.0032	0.9968	88.38
30.5	12,029,195	45,823	0.0038	0.9962	88.10
31.5	11,231,567	45,838	0.0041	0.9959	87.76
32.5	10,422,517	34,271	0.0033	0.9967	87.40
33.5	9,726,098	34,735	0.0036	0.9964	87.12
34.5	9,126,297	30,981	0.0034	0.9966	86.81
35.5	8,624,359	29,436	0.0034	0.9966	86.51
36.5	8,200,709	26,383	0.0032	0.9968	86.22
37.5	7,817,112	22,732	0.0029	0.9971	85.94
38.5	7,476,180	23,292	0.0031	0.9969	85.69

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	7,081,124	21,117	0.0030	0.9970	85.42
40.5	6,725,869	21,009	0.0031	0.9969	85.17
41.5	6,405,252	19,579	0.0031	0.9969	84.90
42.5	6,069,540	19,113	0.0031	0.9969	84.64
43.5	5,734,164	15,362	0.0027	0.9973	84.37
44.5	5,361,774	15,516	0.0029	0.9971	84.15
45.5	4,947,595	15,222	0.0031	0.9969	83.90
46.5	4,435,797	13,997	0.0032	0.9968	83.65
47.5	4,015,183	12,289	0.0031	0.9969	83.38
48.5	3,680,766	11,667	0.0032	0.9968	83.13
49.5	3,307,806	13,017	0.0039	0.9961	82.86
50.5	3,028,904	10,479	0.0035	0.9965	82.54
51.5	2,752,476	10,444	0.0038	0.9962	82.25
52.5	2,509,299	10,906	0.0043	0.9957	81.94
53.5	2,247,217	7,438	0.0033	0.9967	81.58
54.5	1,993,802	6,692	0.0034	0.9966	81.31
55.5	1,778,235	6,099	0.0034	0.9966	81.04
56.5	1,581,343	4,392	0.0028	0.9972	80.76
57.5	1,358,424	3,913	0.0029	0.9971	80.54
58.5	1,145,648	2,721	0.0024	0.9976	80.31
59.5	939,161	2,895	0.0031	0.9969	80.12
60.5	749,062	1,593	0.0021	0.9979	79.87
61.5	595,695	1,560	0.0026	0.9974	79.70
62.5	441,472	1,425	0.0032	0.9968	79.49
63.5	331,686	1,780	0.0054	0.9946	79.23
64.5	269,562	2,706	0.0100	0.9900	78.81
65.5	219,910	2,398	0.0109	0.9891	78.02
66.5	160,156	2,273	0.0142	0.9858	77.17
67.5	137,730	1,280	0.0093	0.9907	76.07
68.5	115,306	1,873	0.0162	0.9838	75.37
69.5	94,104	1,187	0.0126	0.9874	74.14
70.5	78,269	758	0.0097	0.9903	73.21
71.5	65,777	818	0.0124	0.9876	72.50
72.5	55,136	1,131	0.0205	0.9795	71.60
73.5	47,988	1,181	0.0246	0.9754	70.13
74.5	44,776	992	0.0222	0.9778	68.40
75.5	42,844	2,934	0.0685	0.9315	66.89
76.5	39,420	2,236	0.0567	0.9433	62.31
77.5	35,440	1,842	0.0520	0.9480	58.77
78.5	30,724	1,738	0.0566	0.9434	55.72

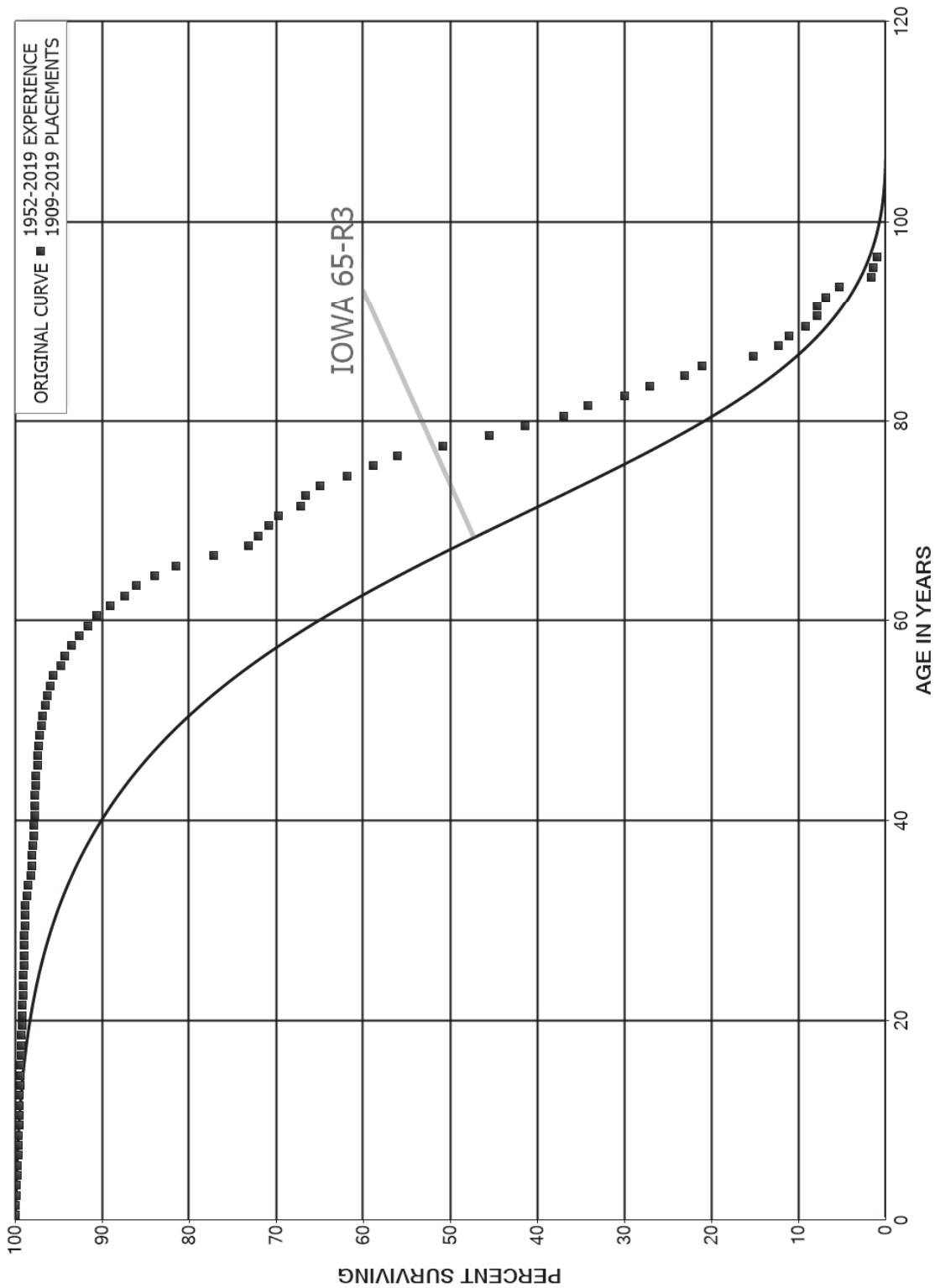
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2019			EXPERIENCE BAND 1952-2019			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	26,601	1,599	0.0601	0.9399	52.56	
80.5	23,176	1,128	0.0487	0.9513	49.41	
81.5	19,656	1,091	0.0555	0.9445	47.00	
82.5	16,411	1,990	0.1213	0.8787	44.39	
83.5	12,839	2,653	0.2066	0.7934	39.01	
84.5	8,640	2,087	0.2415	0.7585	30.95	
85.5	5,348	1,390	0.2600	0.7400	23.47	
86.5	3,657	719	0.1966	0.8034	17.37	
87.5	2,720	393	0.1445	0.8555	13.96	
88.5	2,319	488	0.2104	0.7896	11.94	
89.5	1,639	545	0.3325	0.6675	9.43	
90.5	911	161	0.1768	0.8232	6.29	
91.5	663	207	0.3123	0.6877	5.18	
92.5	366	189	0.5171	0.4829	3.56	
93.5	177	89	0.5067	0.4933	1.72	
94.5	28	20	0.7138	0.2862	0.85	
95.5	8	5	0.6234	0.3766	0.24	
96.5	3	3	0.9934	0.0066	0.09	
97.5	0		0.0000	1.0000	0.00	
98.5	0		0.0000	1.0000	0.00	
99.5					0.00	

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 369.20 SERVICES - UNDERGROUND
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

ORIGINAL LIFE TABLE

PLACEMENT BAND 1909-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	43,406,229	4,060	0.0001	0.9999	100.00
0.5	41,061,424	31,058	0.0008	0.9992	99.99
1.5	39,150,356	16,271	0.0004	0.9996	99.92
2.5	37,516,237	27,953	0.0007	0.9993	99.87
3.5	35,878,774	18,716	0.0005	0.9995	99.80
4.5	34,419,288	17,188	0.0005	0.9995	99.75
5.5	32,731,233	9,260	0.0003	0.9997	99.70
6.5	31,536,400	14,446	0.0005	0.9995	99.67
7.5	30,423,866	9,134	0.0003	0.9997	99.62
8.5	29,303,075	10,782	0.0004	0.9996	99.59
9.5	28,290,663	11,328	0.0004	0.9996	99.56
10.5	27,287,745	9,310	0.0003	0.9997	99.52
11.5	26,106,325	8,393	0.0003	0.9997	99.48
12.5	24,889,339	7,572	0.0003	0.9997	99.45
13.5	23,565,831	9,020	0.0004	0.9996	99.42
14.5	22,429,745	7,585	0.0003	0.9997	99.38
15.5	21,243,243	7,068	0.0003	0.9997	99.35
16.5	20,252,876	7,759	0.0004	0.9996	99.32
17.5	19,239,385	4,605	0.0002	0.9998	99.28
18.5	18,196,955	6,777	0.0004	0.9996	99.25
19.5	17,172,272	6,846	0.0004	0.9996	99.22
20.5	16,142,579	5,719	0.0004	0.9996	99.18
21.5	15,391,535	5,242	0.0003	0.9997	99.14
22.5	14,570,170	5,644	0.0004	0.9996	99.11
23.5	13,678,096	4,567	0.0003	0.9997	99.07
24.5	12,822,736	4,579	0.0004	0.9996	99.04
25.5	11,922,128	2,098	0.0002	0.9998	99.00
26.5	11,159,039	5,131	0.0005	0.9995	98.98
27.5	10,403,066	3,046	0.0003	0.9997	98.94
28.5	9,802,583	2,429	0.0002	0.9998	98.91
29.5	9,145,384	3,822	0.0004	0.9996	98.89
30.5	8,593,594	5,237	0.0006	0.9994	98.84
31.5	8,040,765	11,522	0.0014	0.9986	98.78
32.5	7,354,109	13,469	0.0018	0.9982	98.64
33.5	6,621,191	19,677	0.0030	0.9970	98.46
34.5	5,698,252	4,412	0.0008	0.9992	98.17
35.5	4,873,165	3,607	0.0007	0.9993	98.09
36.5	4,298,958	4,646	0.0011	0.9989	98.02
37.5	3,898,642	2,291	0.0006	0.9994	97.91
38.5	3,537,991	1,596	0.0005	0.9995	97.86

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,210,294	1,810	0.0006	0.9994	97.81
40.5	2,838,989	851	0.0003	0.9997	97.76
41.5	2,469,454	353	0.0001	0.9999	97.73
42.5	2,148,742	1,171	0.0005	0.9995	97.71
43.5	1,859,223	1,784	0.0010	0.9990	97.66
44.5	1,680,211	2,259	0.0013	0.9987	97.57
45.5	1,371,545	1,234	0.0009	0.9991	97.44
46.5	1,096,369	1,163	0.0011	0.9989	97.35
47.5	700,383	546	0.0008	0.9992	97.25
48.5	561,284	1,079	0.0019	0.9981	97.17
49.5	347,844	698	0.0020	0.9980	96.98
50.5	275,889	701	0.0025	0.9975	96.79
51.5	190,991	477	0.0025	0.9975	96.54
52.5	153,744	601	0.0039	0.9961	96.30
53.5	125,936	402	0.0032	0.9968	95.92
54.5	105,552	981	0.0093	0.9907	95.62
55.5	78,244	371	0.0047	0.9953	94.73
56.5	64,811	547	0.0084	0.9916	94.28
57.5	54,293	508	0.0094	0.9906	93.49
58.5	44,770	503	0.0112	0.9888	92.61
59.5	35,961	383	0.0106	0.9894	91.57
60.5	29,465	505	0.0171	0.9829	90.60
61.5	23,318	444	0.0190	0.9810	89.04
62.5	17,229	259	0.0151	0.9849	87.35
63.5	13,943	333	0.0239	0.9761	86.03
64.5	10,686	320	0.0300	0.9700	83.98
65.5	8,908	471	0.0529	0.9471	81.46
66.5	6,859	355	0.0517	0.9483	77.16
67.5	5,943	86	0.0145	0.9855	73.17
68.5	5,207	95	0.0182	0.9818	72.11
69.5	4,444	70	0.0158	0.9842	70.80
70.5	4,147	147	0.0354	0.9646	69.68
71.5	3,739	31	0.0084	0.9916	67.22
72.5	3,588	91	0.0254	0.9746	66.65
73.5	3,380	163	0.0482	0.9518	64.96
74.5	3,163	154	0.0488	0.9512	61.83
75.5	2,999	139	0.0463	0.9537	58.81
76.5	2,854	269	0.0941	0.9059	56.09
77.5	2,552	267	0.1044	0.8956	50.81
78.5	2,236	200	0.0893	0.9107	45.50

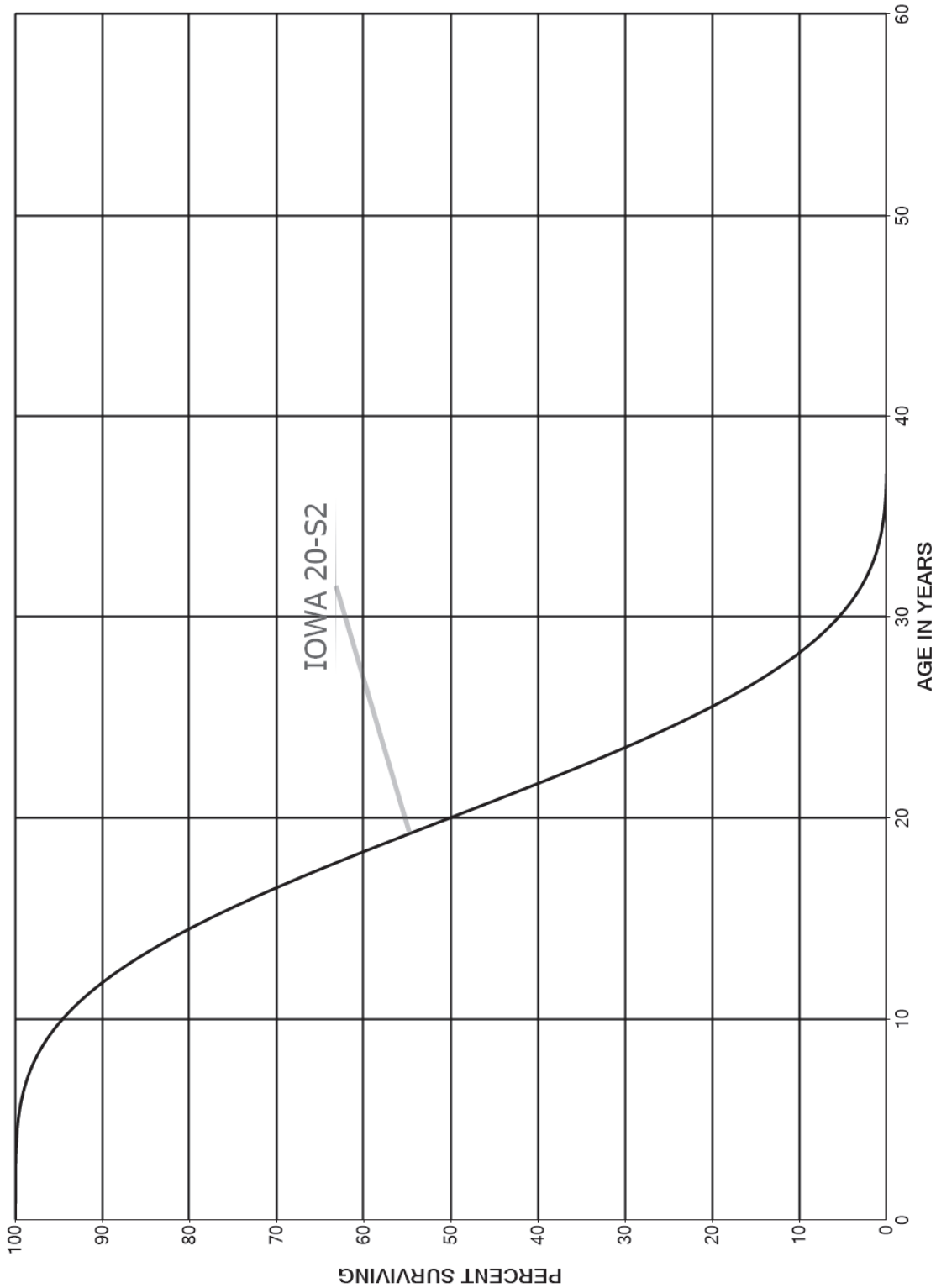
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

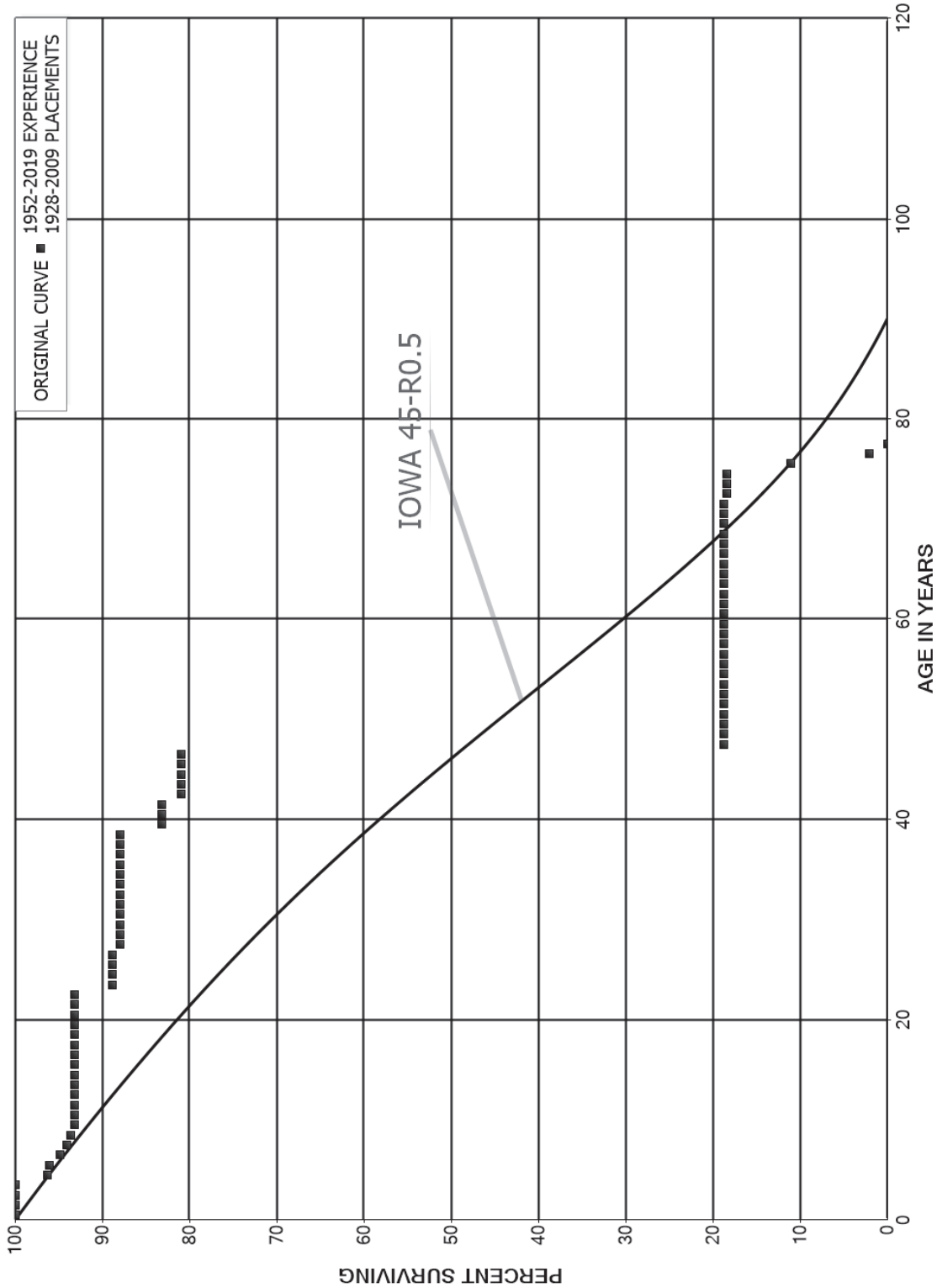
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1909-2019			EXPERIENCE BAND 1952-2019			
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
79.5	1,875	201	0.1069	0.8931	41.44	
80.5	1,618	126	0.0777	0.9223	37.01	
81.5	1,447	180	0.1243	0.8757	34.13	
82.5	1,083	103	0.0949	0.9051	29.89	
83.5	927	136	0.1466	0.8534	27.05	
84.5	680	61	0.0898	0.9102	23.09	
85.5	601	168	0.2803	0.7197	21.01	
86.5	401	76	0.1890	0.8110	15.12	
87.5	266	26	0.0982	0.9018	12.27	
88.5	152	26	0.1689	0.8311	11.06	
89.5	126	18	0.1428	0.8572	9.19	
90.5	99		0.0000	1.0000	7.88	
91.5	92	12	0.1306	0.8694	7.88	
92.5	71	16	0.2207	0.7793	6.85	
93.5	55	38	0.6887	0.3113	5.34	
94.5	17	3	0.1746	0.8254	1.66	
95.5	14	5	0.3216	0.6784	1.37	
96.5	10		0.0000	1.0000	0.93	
97.5	10	5	0.4886	0.5114	0.93	
98.5	5		0.0000	1.0000	0.48	
99.5	5		0.0000	1.0000	0.48	
100.5	5	5	1.0000		0.48	
101.5						

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNTS 370.12 AND 370.22 METERS AND METER INSTALLATIONS - AMI
SMOOTH SURVIVOR CURVE



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNT 371.00 INSTALLATIONS ON CUSTOMERS' PREMISES
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 371.00 INSTALLATIONS ON CUSTOMERS' PREMISES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1928-2009

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	1,189,398		0.0000	1.0000	100.00
0.5	1,189,398		0.0000	1.0000	100.00
1.5	1,189,398		0.0000	1.0000	100.00
2.5	1,190,843		0.0000	1.0000	100.00
3.5	1,190,843	44,453	0.0373	0.9627	100.00
4.5	1,146,390	2,867	0.0025	0.9975	96.27
5.5	1,143,523	13,963	0.0122	0.9878	96.03
6.5	1,129,560	8,909	0.0079	0.9921	94.85
7.5	1,120,651	5,359	0.0048	0.9952	94.11
8.5	1,115,292	5,290	0.0047	0.9953	93.66
9.5	1,110,002		0.0000	1.0000	93.21
10.5	1,069,927		0.0000	1.0000	93.21
11.5	1,069,927		0.0000	1.0000	93.21
12.5	1,069,927		0.0000	1.0000	93.21
13.5	1,060,483		0.0000	1.0000	93.21
14.5	633,872		0.0000	1.0000	93.21
15.5	633,871		0.0000	1.0000	93.21
16.5	590,919	65	0.0001	0.9999	93.21
17.5	500,517	9	0.0000	1.0000	93.20
18.5	500,518		0.0000	1.0000	93.20
19.5	215,524		0.0000	1.0000	93.20
20.5	148,868		0.0000	1.0000	93.20
21.5	149,061		0.0000	1.0000	93.20
22.5	150,943	7,001	0.0464	0.9536	93.20
23.5	143,997	12	0.0001	0.9999	88.88
24.5	143,985		0.0000	1.0000	88.87
25.5	143,985		0.0000	1.0000	88.87
26.5	143,985	1,445	0.0100	0.9900	88.87
27.5	142,540		0.0000	1.0000	87.98
28.5	142,540		0.0000	1.0000	87.98
29.5	84,078		0.0000	1.0000	87.98
30.5	84,078		0.0000	1.0000	87.98
31.5	84,078		0.0000	1.0000	87.98
32.5	84,078		0.0000	1.0000	87.98
33.5	2,327		0.0000	1.0000	87.98
34.5	2,327		0.0000	1.0000	87.98
35.5	2,327		0.0000	1.0000	87.98
36.5	2,327		0.0000	1.0000	87.98
37.5	2,327		0.0000	1.0000	87.98
38.5	2,327	127	0.0546	0.9454	87.98

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 371.00 INSTALLATIONS ON CUSTOMERS' PREMISES

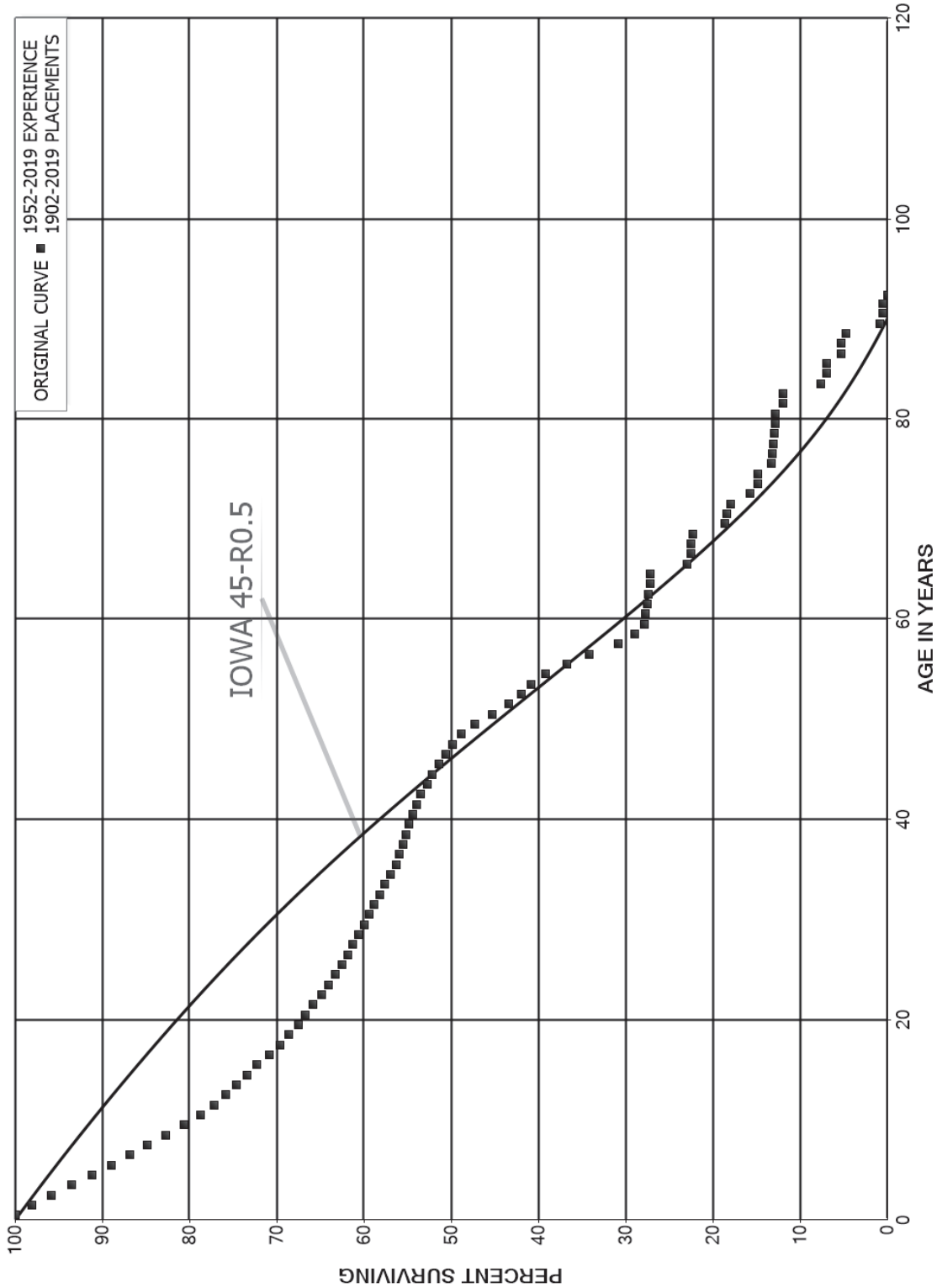
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1928-2009

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	2,200		0.0000	1.0000	83.18
40.5	2,200		0.0000	1.0000	83.18
41.5	2,200	60	0.0273	0.9727	83.18
42.5	2,140		0.0000	1.0000	80.91
43.5	2,140		0.0000	1.0000	80.91
44.5	2,140		0.0000	1.0000	80.91
45.5	2,140		0.0000	1.0000	80.91
46.5	2,140	1,644	0.7682	0.2318	80.91
47.5	496		0.0000	1.0000	18.75
48.5	496		0.0000	1.0000	18.75
49.5	496		0.0000	1.0000	18.75
50.5	496		0.0000	1.0000	18.75
51.5	496		0.0000	1.0000	18.75
52.5	496		0.0000	1.0000	18.75
53.5	496		0.0000	1.0000	18.75
54.5	496		0.0000	1.0000	18.75
55.5	496		0.0000	1.0000	18.75
56.5	496		0.0000	1.0000	18.75
57.5	496		0.0000	1.0000	18.75
58.5	496		0.0000	1.0000	18.75
59.5	496		0.0000	1.0000	18.75
60.5	496		0.0000	1.0000	18.75
61.5	496		0.0000	1.0000	18.75
62.5	496		0.0000	1.0000	18.75
63.5	496		0.0000	1.0000	18.75
64.5	496		0.0000	1.0000	18.75
65.5	496		0.0000	1.0000	18.75
66.5	496		0.0000	1.0000	18.75
67.5	496		0.0000	1.0000	18.75
68.5	496		0.0000	1.0000	18.75
69.5	496		0.0000	1.0000	18.75
70.5	496		0.0000	1.0000	18.75
71.5	496	10	0.0202	0.9798	18.75
72.5	486		0.0000	1.0000	18.37
73.5	486		0.0000	1.0000	18.37
74.5	486	193	0.3971	0.6029	18.37
75.5	293	238	0.8123	0.1877	11.08
76.5	55	55	1.0000		2.08
77.5					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT
ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	33,268,986	13,814	0.0004	0.9996	100.00
0.5	29,744,312	563,302	0.0189	0.9811	99.96
1.5	27,320,743	622,299	0.0228	0.9772	98.07
2.5	25,604,868	620,262	0.0242	0.9758	95.83
3.5	24,134,282	612,548	0.0254	0.9746	93.51
4.5	22,668,153	555,522	0.0245	0.9755	91.14
5.5	21,351,804	508,800	0.0238	0.9762	88.90
6.5	19,752,043	436,062	0.0221	0.9779	86.78
7.5	18,611,749	470,738	0.0253	0.9747	84.87
8.5	17,743,055	442,048	0.0249	0.9751	82.72
9.5	16,953,119	415,671	0.0245	0.9755	80.66
10.5	16,289,577	314,609	0.0193	0.9807	78.68
11.5	15,647,405	272,175	0.0174	0.9826	77.16
12.5	15,086,597	249,064	0.0165	0.9835	75.82
13.5	14,562,426	235,332	0.0162	0.9838	74.57
14.5	14,067,319	214,316	0.0152	0.9848	73.37
15.5	13,628,126	259,297	0.0190	0.9810	72.25
16.5	13,180,079	240,246	0.0182	0.9818	70.87
17.5	12,611,229	173,922	0.0138	0.9862	69.58
18.5	12,179,502	196,477	0.0161	0.9839	68.62
19.5	11,599,966	136,083	0.0117	0.9883	67.51
20.5	11,203,048	158,029	0.0141	0.9859	66.72
21.5	10,740,869	148,708	0.0138	0.9862	65.78
22.5	10,307,281	126,658	0.0123	0.9877	64.87
23.5	9,961,810	126,177	0.0127	0.9873	64.07
24.5	9,492,980	108,109	0.0114	0.9886	63.26
25.5	8,976,253	95,025	0.0106	0.9894	62.54
26.5	8,500,887	84,846	0.0100	0.9900	61.88
27.5	8,093,700	88,386	0.0109	0.9891	61.26
28.5	7,517,755	79,589	0.0106	0.9894	60.59
29.5	6,959,481	67,117	0.0096	0.9904	59.95
30.5	6,468,802	60,906	0.0094	0.9906	59.37
31.5	6,037,153	68,389	0.0113	0.9887	58.81
32.5	5,764,393	51,767	0.0090	0.9910	58.15
33.5	5,298,191	60,015	0.0113	0.9887	57.63
34.5	4,968,816	55,775	0.0112	0.9888	56.97
35.5	4,609,566	34,398	0.0075	0.9925	56.33
36.5	4,359,548	29,293	0.0067	0.9933	55.91
37.5	4,057,999	25,523	0.0063	0.9937	55.54
38.5	3,776,460	26,540	0.0070	0.9930	55.19

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1902-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,553,100	27,360	0.0077	0.9923	54.80
40.5	3,344,528	25,679	0.0077	0.9923	54.38
41.5	3,088,168	25,797	0.0084	0.9916	53.96
42.5	2,870,589	41,450	0.0144	0.9856	53.51
43.5	2,761,091	31,485	0.0114	0.9886	52.74
44.5	2,592,999	34,779	0.0134	0.9866	52.14
45.5	2,386,792	37,485	0.0157	0.9843	51.44
46.5	2,152,866	35,014	0.0163	0.9837	50.63
47.5	1,952,033	37,844	0.0194	0.9806	49.81
48.5	1,682,022	52,545	0.0312	0.9688	48.84
49.5	1,324,405	57,974	0.0438	0.9562	47.31
50.5	1,078,109	44,967	0.0417	0.9583	45.24
51.5	906,582	28,517	0.0315	0.9685	43.36
52.5	658,206	18,667	0.0284	0.9716	41.99
53.5	485,341	19,766	0.0407	0.9593	40.80
54.5	266,940	16,746	0.0627	0.9373	39.14
55.5	229,748	15,634	0.0681	0.9319	36.68
56.5	192,262	18,556	0.0965	0.9035	34.19
57.5	156,964	10,112	0.0644	0.9356	30.89
58.5	130,404	4,958	0.0380	0.9620	28.90
59.5	103,248	440	0.0043	0.9957	27.80
60.5	95,673	731	0.0076	0.9924	27.68
61.5	84,277	305	0.0036	0.9964	27.47
62.5	74,739	405	0.0054	0.9946	27.37
63.5	30,377	72	0.0024	0.9976	27.22
64.5	14,827	2,305	0.1555	0.8445	27.16
65.5	8,438	160	0.0190	0.9810	22.94
66.5	7,155		0.0000	1.0000	22.50
67.5	7,018	64	0.0091	0.9909	22.50
68.5	6,954	1,140	0.1639	0.8361	22.29
69.5	5,656	73	0.0129	0.9871	18.64
70.5	5,583	145	0.0259	0.9741	18.40
71.5	5,439	674	0.1239	0.8761	17.92
72.5	4,765	274	0.0576	0.9424	15.70
73.5	4,490		0.0000	1.0000	14.80
74.5	4,490	473	0.1054	0.8946	14.80
75.5	3,517	16	0.0045	0.9955	13.24
76.5	3,502	30	0.0086	0.9914	13.18
77.5	2,678	20	0.0076	0.9924	13.07
78.5	2,658	32	0.0120	0.9880	12.97

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

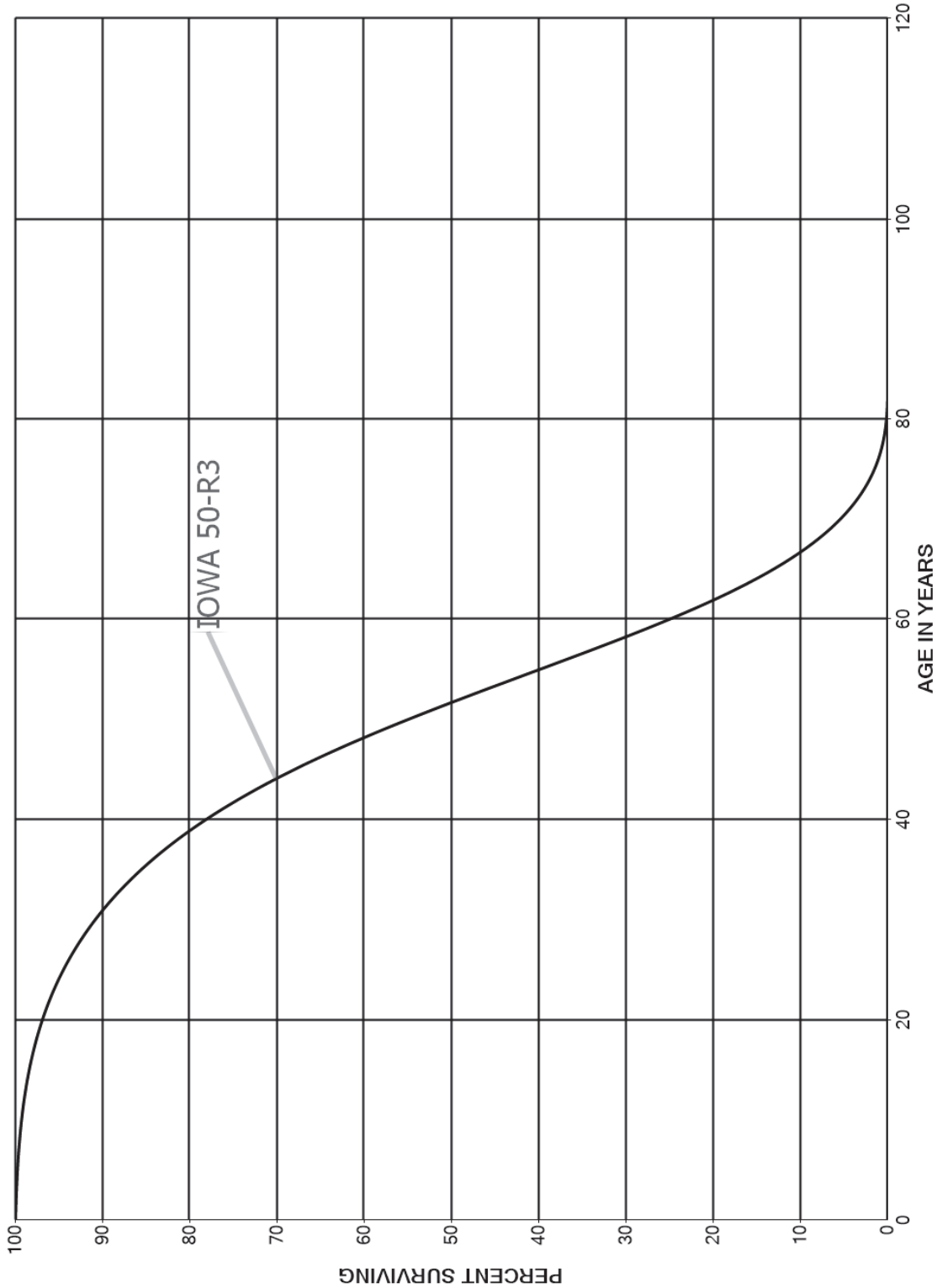
ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS

ORIGINAL LIFE TABLE, CONT.

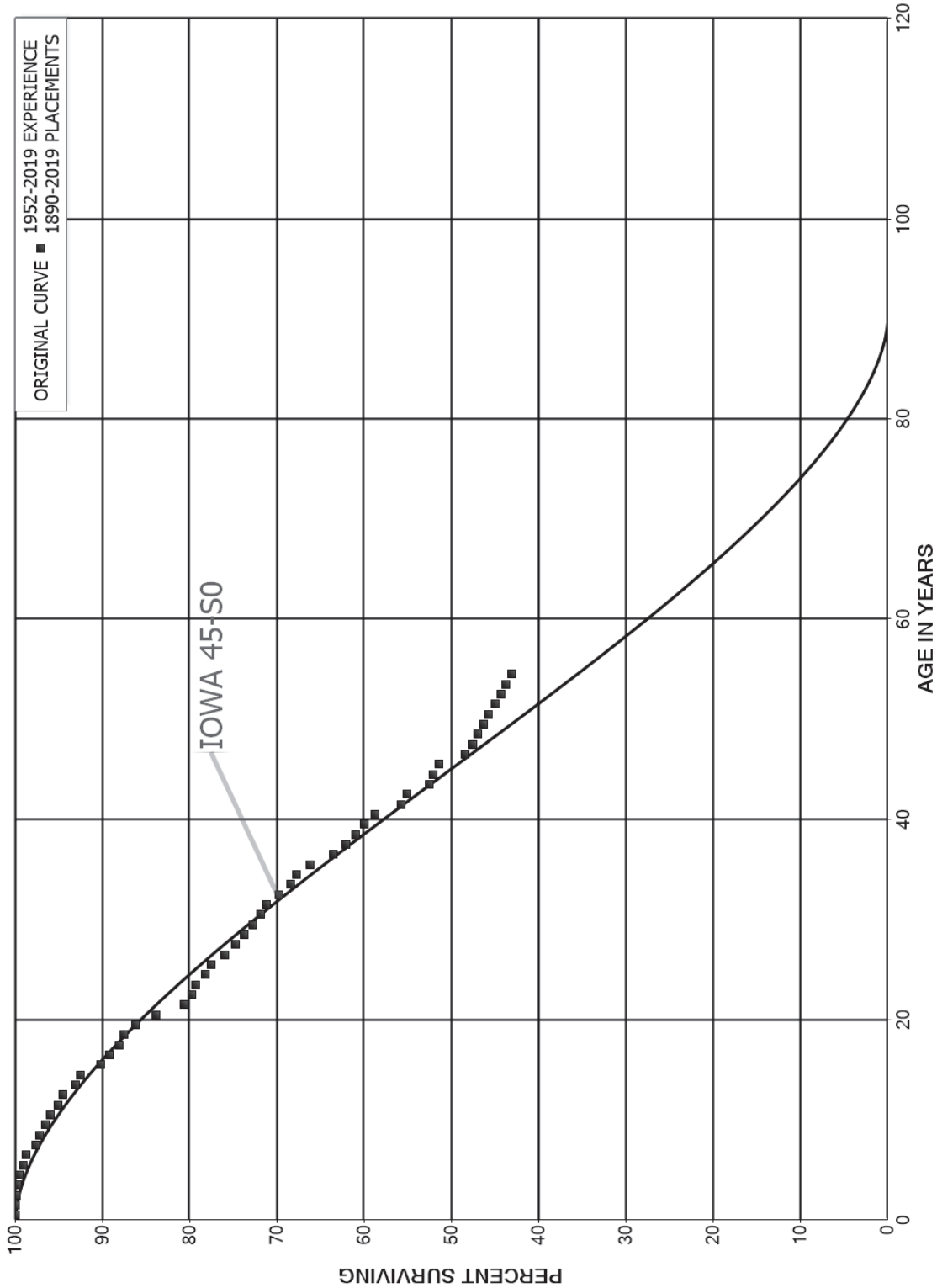
PLACEMENT BAND 1902-2019			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	1,063		0.0000	1.0000	12.81
80.5	451	29	0.0637	0.9363	12.81
81.5	422		0.0000	1.0000	11.99
82.5	392	144	0.3663	0.6337	11.99
83.5	248	23	0.0927	0.9073	7.60
84.5	225		0.0000	1.0000	6.90
85.5	225	51	0.2275	0.7725	6.90
86.5	174		0.0000	1.0000	5.33
87.5	174	19	0.1099	0.8901	5.33
88.5	155	128	0.8280	0.1720	4.74
89.5	27	10	0.3820	0.6180	0.82
90.5	16		0.0000	1.0000	0.50
91.5	16	16	1.0000		0.50
92.5					

**GENERAL PLANT
ELECTRIC, GAS AND COMMON**

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 389.00 LAND AND LAND RIGHTS - EASEMENTS
SMOOTH SURVIVOR CURVE



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1890-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	110,145,884	949	0.0000	1.0000	100.00
0.5	111,595,365	34,205	0.0003	0.9997	100.00
1.5	107,527,979	90,908	0.0008	0.9992	99.97
2.5	100,521,916	177,005	0.0018	0.9982	99.88
3.5	98,445,629	208,057	0.0021	0.9979	99.71
4.5	87,474,525	365,716	0.0042	0.9958	99.50
5.5	75,114,143	296,939	0.0040	0.9960	99.08
6.5	73,248,594	803,460	0.0110	0.9890	98.69
7.5	71,670,191	282,349	0.0039	0.9961	97.61
8.5	70,024,383	520,963	0.0074	0.9926	97.22
9.5	67,046,101	407,142	0.0061	0.9939	96.50
10.5	62,678,044	543,360	0.0087	0.9913	95.91
11.5	57,399,659	348,251	0.0061	0.9939	95.08
12.5	50,486,330	757,956	0.0150	0.9850	94.50
13.5	48,269,881	292,982	0.0061	0.9939	93.09
14.5	46,691,397	1,181,218	0.0253	0.9747	92.52
15.5	42,643,860	460,799	0.0108	0.9892	90.18
16.5	40,690,996	511,732	0.0126	0.9874	89.21
17.5	35,122,123	236,721	0.0067	0.9933	88.08
18.5	33,514,253	503,463	0.0150	0.9850	87.49
19.5	32,777,068	908,898	0.0277	0.9723	86.18
20.5	31,646,558	1,198,960	0.0379	0.9621	83.79
21.5	30,398,804	314,565	0.0103	0.9897	80.61
22.5	29,579,634	175,640	0.0059	0.9941	79.78
23.5	28,386,135	409,451	0.0144	0.9856	79.30
24.5	27,820,096	240,078	0.0086	0.9914	78.16
25.5	27,049,305	535,463	0.0198	0.9802	77.49
26.5	26,271,324	430,404	0.0164	0.9836	75.95
27.5	25,425,392	333,574	0.0131	0.9869	74.71
28.5	24,853,430	339,240	0.0136	0.9864	73.73
29.5	24,389,086	294,023	0.0121	0.9879	72.72
30.5	23,743,324	231,674	0.0098	0.9902	71.84
31.5	22,379,050	463,405	0.0207	0.9793	71.14
32.5	21,789,289	406,885	0.0187	0.9813	69.67
33.5	21,281,617	201,790	0.0095	0.9905	68.37
34.5	20,797,664	471,407	0.0227	0.9773	67.72
35.5	12,564,437	502,585	0.0400	0.9600	66.19
36.5	10,539,831	242,270	0.0230	0.9770	63.54
37.5	9,472,807	177,207	0.0187	0.9813	62.08
38.5	8,853,406	140,483	0.0159	0.9841	60.92

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1890-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	8,575,883	180,412	0.0210	0.9790	59.95
40.5	6,076,333	301,297	0.0496	0.9504	58.69
41.5	5,098,922	70,114	0.0138	0.9862	55.78
42.5	5,013,928	229,369	0.0457	0.9543	55.01
43.5	4,767,528	38,460	0.0081	0.9919	52.50
44.5	4,656,421	55,728	0.0120	0.9880	52.07
45.5	4,341,489	257,576	0.0593	0.9407	51.45
46.5	4,060,852	74,986	0.0185	0.9815	48.40
47.5	3,938,632	45,811	0.0116	0.9884	47.50
48.5	3,872,989	56,769	0.0147	0.9853	46.95
49.5	3,799,346	43,451	0.0114	0.9886	46.26
50.5	2,692,359	42,787	0.0159	0.9841	45.73
51.5	2,593,191	40,584	0.0157	0.9843	45.01
52.5	1,541,391	19,391	0.0126	0.9874	44.30
53.5	1,126,251	18,892	0.0168	0.9832	43.74
54.5	1,022,471	15,557	0.0152	0.9848	43.01
55.5	998,484	1,093	0.0011	0.9989	42.36
56.5	990,050	33,311	0.0336	0.9664	42.31
57.5	953,213	17,156	0.0180	0.9820	40.89
58.5	934,321	27,877	0.0298	0.9702	40.15
59.5	821,048	13,165	0.0160	0.9840	38.95
60.5	814,813	31,044	0.0381	0.9619	38.33
61.5	787,218	17,301	0.0220	0.9780	36.87
62.5	723,767	1,870	0.0026	0.9974	36.06
63.5	718,451	1,416	0.0020	0.9980	35.96
64.5	714,135	930	0.0013	0.9987	35.89
65.5	710,273	934	0.0013	0.9987	35.85
66.5	688,114	74,829	0.1087	0.8913	35.80
67.5	612,291	3,013	0.0049	0.9951	31.91
68.5	596,569	7,038	0.0118	0.9882	31.75
69.5	344,588	2,832	0.0082	0.9918	31.37
70.5	341,756	536	0.0016	0.9984	31.12
71.5	341,220	67,649	0.1983	0.8017	31.07
72.5	273,571	1,398	0.0051	0.9949	24.91
73.5	271,953	2,709	0.0100	0.9900	24.78
74.5	269,212	2,565	0.0095	0.9905	24.53
75.5	266,200	465	0.0017	0.9983	24.30
76.5	265,735	1,630	0.0061	0.9939	24.26
77.5	264,091	1,876	0.0071	0.9929	24.11
78.5	261,518	288	0.0011	0.9989	23.94

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

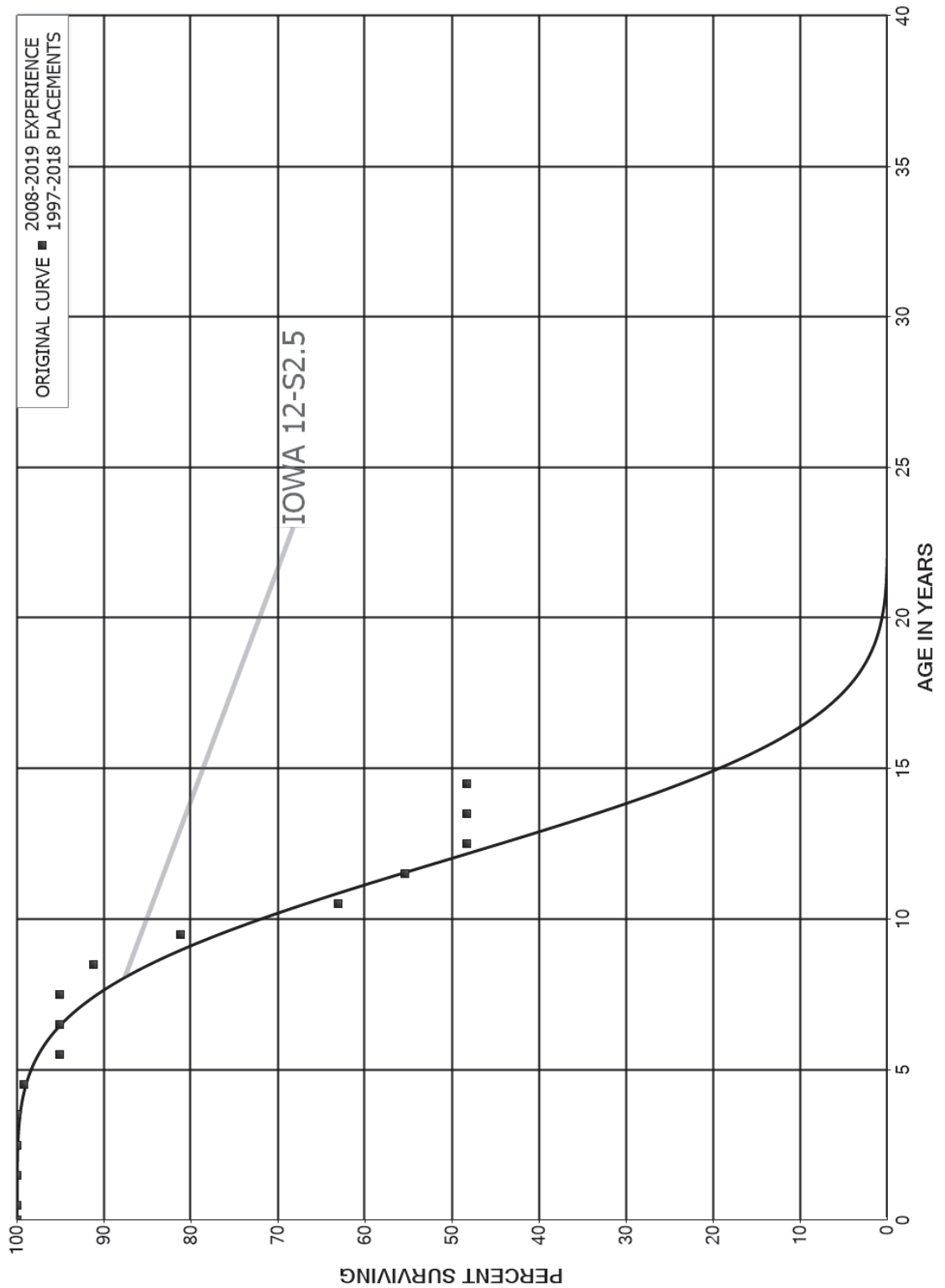
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1890-2019

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
79.5	261,179	1,305	0.0050	0.9950	23.91
80.5	259,789	511	0.0020	0.9980	23.79
81.5	259,016		0.0000	1.0000	23.75
82.5	258,991	1,271	0.0049	0.9951	23.75
83.5	257,632		0.0000	1.0000	23.63
84.5	257,592		0.0000	1.0000	23.63
85.5	257,438	1,953	0.0076	0.9924	23.63
86.5	255,320	123	0.0005	0.9995	23.45
87.5	255,197	25	0.0001	0.9999	23.44
88.5	255,172	1,640	0.0064	0.9936	23.44
89.5	164,466	20,892	0.1270	0.8730	23.29
90.5	143,542		0.0000	1.0000	20.33
91.5	85,286		0.0000	1.0000	20.33
92.5	75,643	34	0.0004	0.9996	20.33
93.5	51,183		0.0000	1.0000	20.32
94.5	22,755		0.0000	1.0000	20.32
95.5	16,434		0.0000	1.0000	20.32
96.5	7,021		0.0000	1.0000	20.32
97.5	7,021	25	0.0035	0.9965	20.32
98.5	6,257		0.0000	1.0000	20.25
99.5	6,257		0.0000	1.0000	20.25
100.5	6,201		0.0000	1.0000	20.25
101.5	5,957		0.0000	1.0000	20.25
102.5	5,957		0.0000	1.0000	20.25
103.5	5,957		0.0000	1.0000	20.25
104.5	5,957		0.0000	1.0000	20.25
105.5	2,555		0.0000	1.0000	20.25
106.5	2,555		0.0000	1.0000	20.25
107.5	2,555		0.0000	1.0000	20.25
108.5	2,555		0.0000	1.0000	20.25
109.5	2,555		0.0000	1.0000	20.25
110.5					20.25

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 392.10 TRANSPORTATION EQUIPMENT - PASSENGER CARS
ORIGINAL AND SMOOTH SURVIVOR CURVES



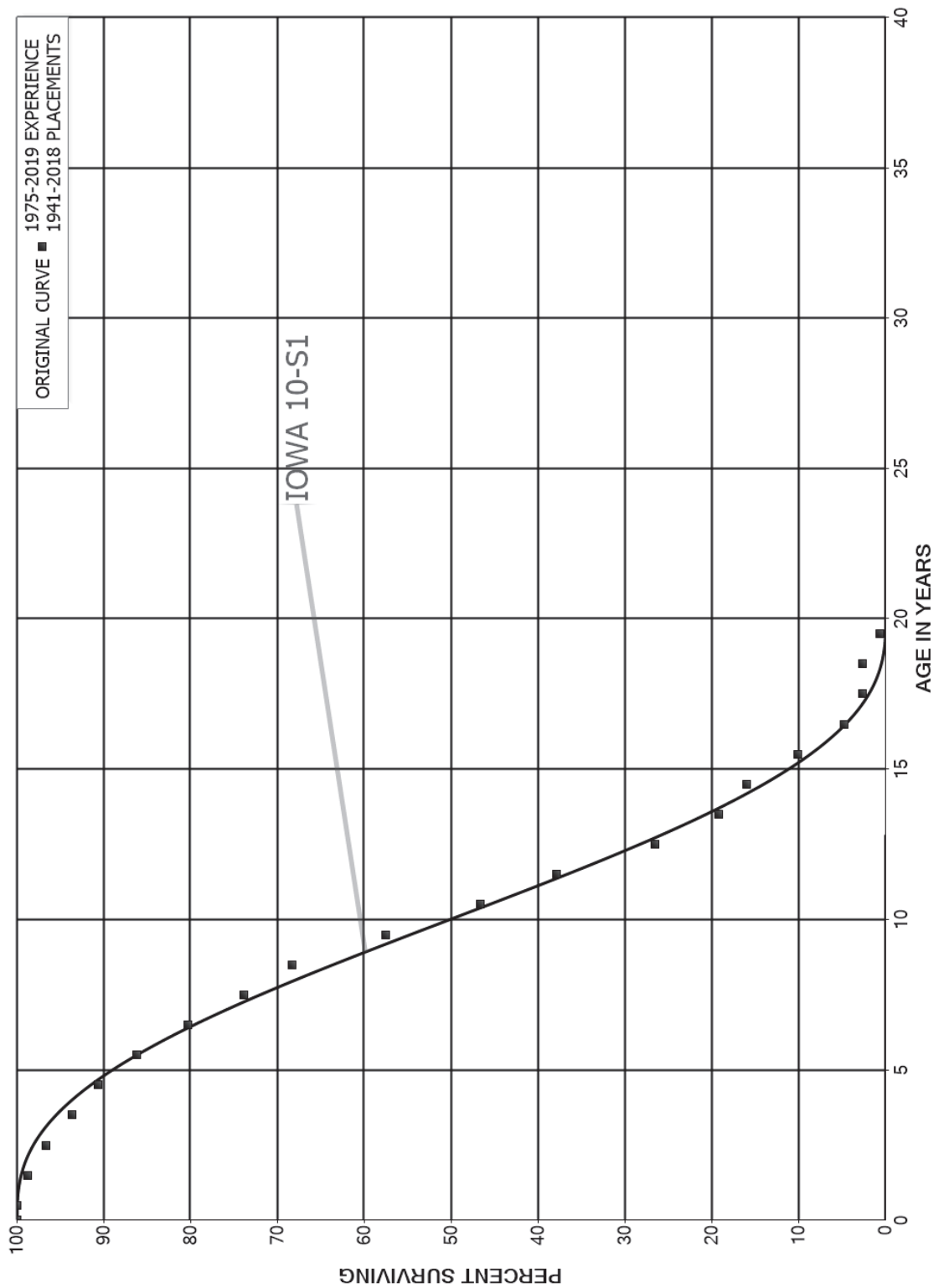
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 392.10 TRANSPORTATION EQUIPMENT - PASSENGER CARS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1997-2018			EXPERIENCE BAND 2008-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	4,893,621		0.0000	1.0000	100.00
0.5	4,893,621		0.0000	1.0000	100.00
1.5	4,836,604		0.0000	1.0000	100.00
2.5	2,684,670		0.0000	1.0000	100.00
3.5	2,268,440	19,622	0.0086	0.9914	100.00
4.5	688,943	28,530	0.0414	0.9586	99.14
5.5	680,208		0.0000	1.0000	95.03
6.5	514,448		0.0000	1.0000	95.03
7.5	514,448	21,139	0.0411	0.9589	95.03
8.5	493,310	53,857	0.1092	0.8908	91.12
9.5	439,453	97,877	0.2227	0.7773	81.18
10.5	338,506	41,451	0.1225	0.8775	63.10
11.5	310,214	39,555	0.1275	0.8725	55.37
12.5	270,659		0.0000	1.0000	48.31
13.5	198,942		0.0000	1.0000	48.31
14.5	63,388		0.0000	1.0000	48.31
15.5	63,388	13,158	0.2076	0.7924	48.31
16.5	30,435		0.0000	1.0000	38.28
17.5	30,435		0.0000	1.0000	38.28
18.5	30,435		0.0000	1.0000	38.28
19.5	30,435		0.0000	1.0000	38.28
20.5	30,435		0.0000	1.0000	38.28
21.5					38.28

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 392.20 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 392.20 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

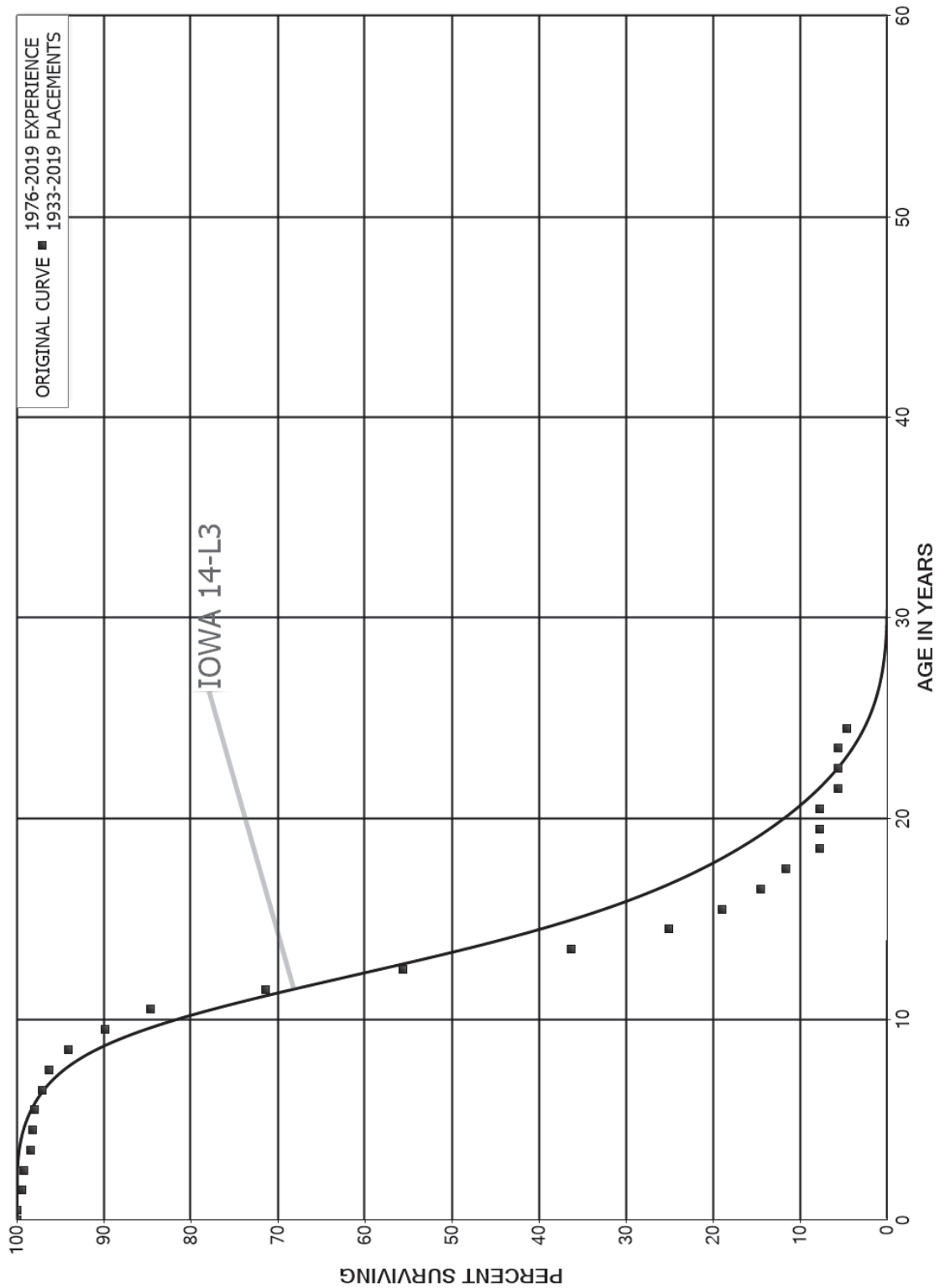
ORIGINAL LIFE TABLE

PLACEMENT BAND 1941-2018

EXPERIENCE BAND 1975-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	36,707,990		0.0000	1.0000	100.00
0.5	36,712,077	477,630	0.0130	0.9870	100.00
1.5	36,361,793	772,711	0.0213	0.9787	98.70
2.5	34,954,417	1,067,678	0.0305	0.9695	96.60
3.5	31,819,361	1,019,971	0.0321	0.9679	93.65
4.5	25,580,190	1,249,471	0.0488	0.9512	90.65
5.5	24,173,890	1,667,991	0.0690	0.9310	86.22
6.5	22,281,346	1,778,115	0.0798	0.9202	80.27
7.5	20,058,653	1,508,236	0.0752	0.9248	73.87
8.5	13,498,977	2,138,205	0.1584	0.8416	68.31
9.5	10,579,002	2,004,585	0.1895	0.8105	57.49
10.5	7,085,545	1,333,945	0.1883	0.8117	46.60
11.5	4,564,047	1,365,015	0.2991	0.7009	37.82
12.5	2,669,189	740,118	0.2773	0.7227	26.51
13.5	1,592,726	268,545	0.1686	0.8314	19.16
14.5	826,456	304,052	0.3679	0.6321	15.93
15.5	304,505	162,006	0.5320	0.4680	10.07
16.5	73,933	33,218	0.4493	0.5507	4.71
17.5	40,715		0.0000	1.0000	2.60
18.5	40,715	30,846	0.7576	0.2424	2.60
19.5	9,869	9,869	1.0000		0.63
20.5	190	190	1.0000		
21.5					
22.5					
23.5					
24.5					
25.5					
26.5	274		0.0000		
27.5	274	274	1.0000		
28.5					
29.5					
30.5					
31.5					
32.5					
33.5	284	284	1.0000		
34.5					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 392.30 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 392.30 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1933-2019

EXPERIENCE BAND 1976-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	52,329,148		0.0000	1.0000	100.00
0.5	48,113,108	278,275	0.0058	0.9942	100.00
1.5	46,779,305	125,913	0.0027	0.9973	99.42
2.5	41,813,151	329,435	0.0079	0.9921	99.15
3.5	40,729,357	72,712	0.0018	0.9982	98.37
4.5	40,656,645	124,259	0.0031	0.9969	98.20
5.5	40,532,386	349,075	0.0086	0.9914	97.90
6.5	40,183,611	314,945	0.0078	0.9922	97.05
7.5	39,389,772	894,014	0.0227	0.9773	96.29
8.5	34,643,065	1,571,153	0.0454	0.9546	94.11
9.5	29,384,793	1,700,487	0.0579	0.9421	89.84
10.5	26,568,332	4,168,986	0.1569	0.8431	84.64
11.5	21,495,806	4,735,623	0.2203	0.7797	71.36
12.5	15,077,091	5,256,552	0.3486	0.6514	55.64
13.5	8,848,437	2,734,995	0.3091	0.6909	36.24
14.5	5,676,616	1,388,141	0.2445	0.7555	25.04
15.5	3,148,526	731,864	0.2324	0.7676	18.92
16.5	2,286,660	458,011	0.2003	0.7997	14.52
17.5	1,771,534	591,371	0.3338	0.6662	11.61
18.5	1,138,477	910	0.0008	0.9992	7.73
19.5	1,106,210	28	0.0000	1.0000	7.73
20.5	1,067,550	295,616	0.2769	0.7231	7.73
21.5	696,292		0.0000	1.0000	5.59
22.5	543,559		0.0000	1.0000	5.59
23.5	543,559	93,564	0.1721	0.8279	5.59
24.5	339,436	36,623	0.1079	0.8921	4.63
25.5	302,813	60,671	0.2004	0.7996	4.13
26.5	173,015	6,973	0.0403	0.9597	3.30
27.5	154,735	25,074	0.1620	0.8380	3.17
28.5	131,141	1,790	0.0136	0.9864	2.65
29.5	129,774	1,579	0.0122	0.9878	2.62
30.5	19,634	2,994	0.1525	0.8475	2.59
31.5	16,640	5,188	0.3118	0.6882	2.19
32.5	11,452	2,471	0.2158	0.7842	1.51
33.5	8,981		0.0000	1.0000	1.18
34.5	9,158	867	0.0947	0.9053	1.18
35.5	8,291	3,681	0.4440	0.5560	1.07
36.5	4,610	913	0.1980	0.8020	0.60
37.5	3,697		0.0000	1.0000	0.48
38.5	3,697		0.0000	1.0000	0.48

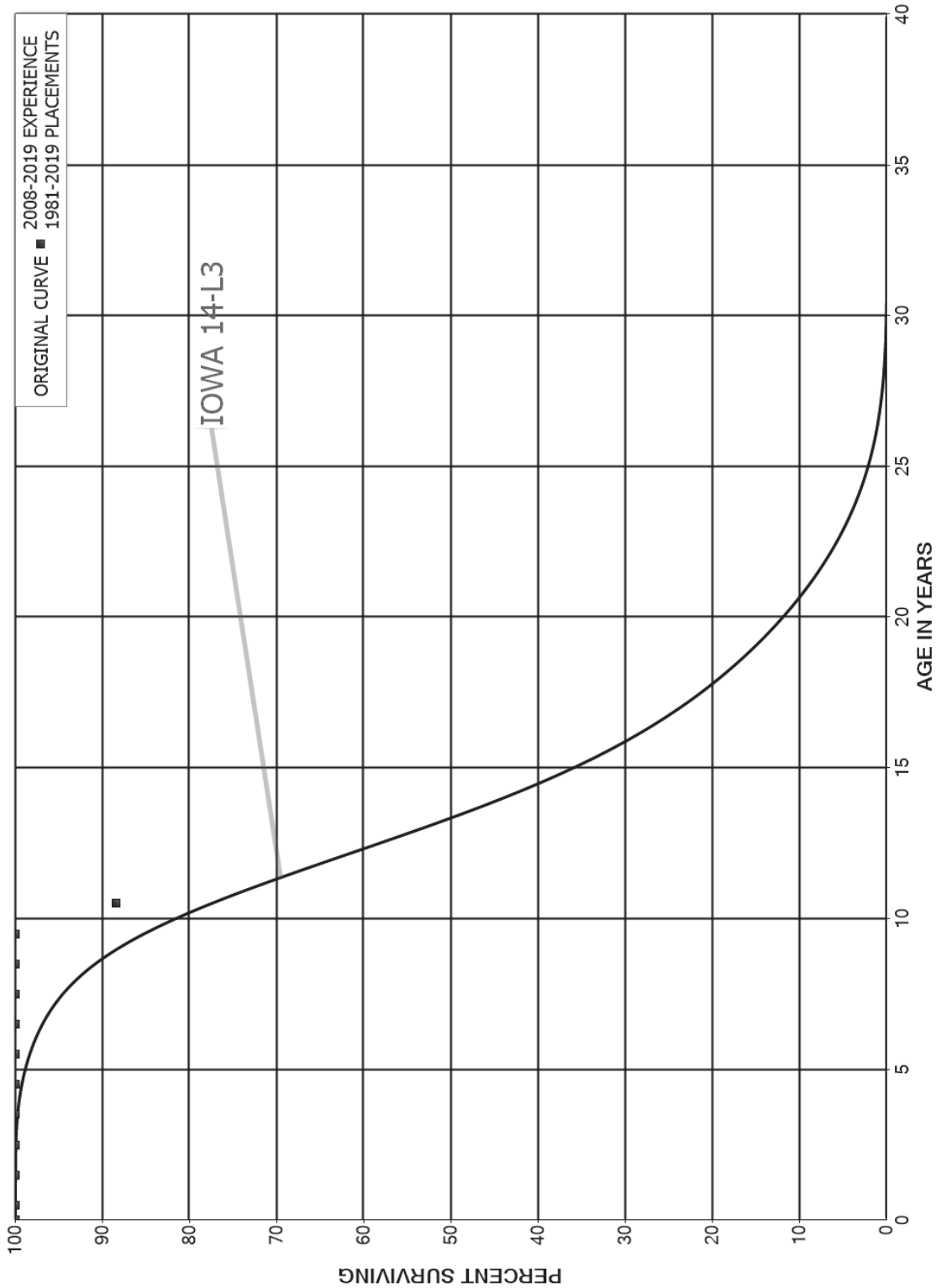
ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 392.30 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1933-2019			EXPERIENCE BAND 1976-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	3,697		0.0000	1.0000	0.48
40.5	3,697	1,039	0.2810	0.7190	0.48
41.5	2,658		0.0000	1.0000	0.34
42.5	3,103		0.0000	1.0000	0.34
43.5	3,103	423	0.1363	0.8637	0.34
44.5	2,680	637	0.2377	0.7623	0.30
45.5	2,043		0.0000	1.0000	0.23
46.5	2,043		0.0000	1.0000	0.23
47.5	2,043	232	0.1136	0.8864	0.23
48.5	1,811	983	0.5428	0.4572	0.20
49.5	828		0.0000	1.0000	0.09
50.5	828		0.0000	1.0000	0.09
51.5	828	177	0.2138	0.7862	0.09
52.5	651		0.0000	1.0000	0.07
53.5	651	445	0.6836	0.3164	0.07
54.5	206		0.0000	1.0000	0.02
55.5	206		0.0000	1.0000	0.02
56.5	206		0.0000	1.0000	0.02
57.5	206	206	1.0000		0.02
58.5					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNT 392.40 TRANSPORTATION EQUIPMENT - TRAILERS AND TRUCK MOUNTED EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 392.40 TRANSPORTATION EQUIPMENT - TRAILERS AND TRUCK MOUNTED
EQUIPMENT

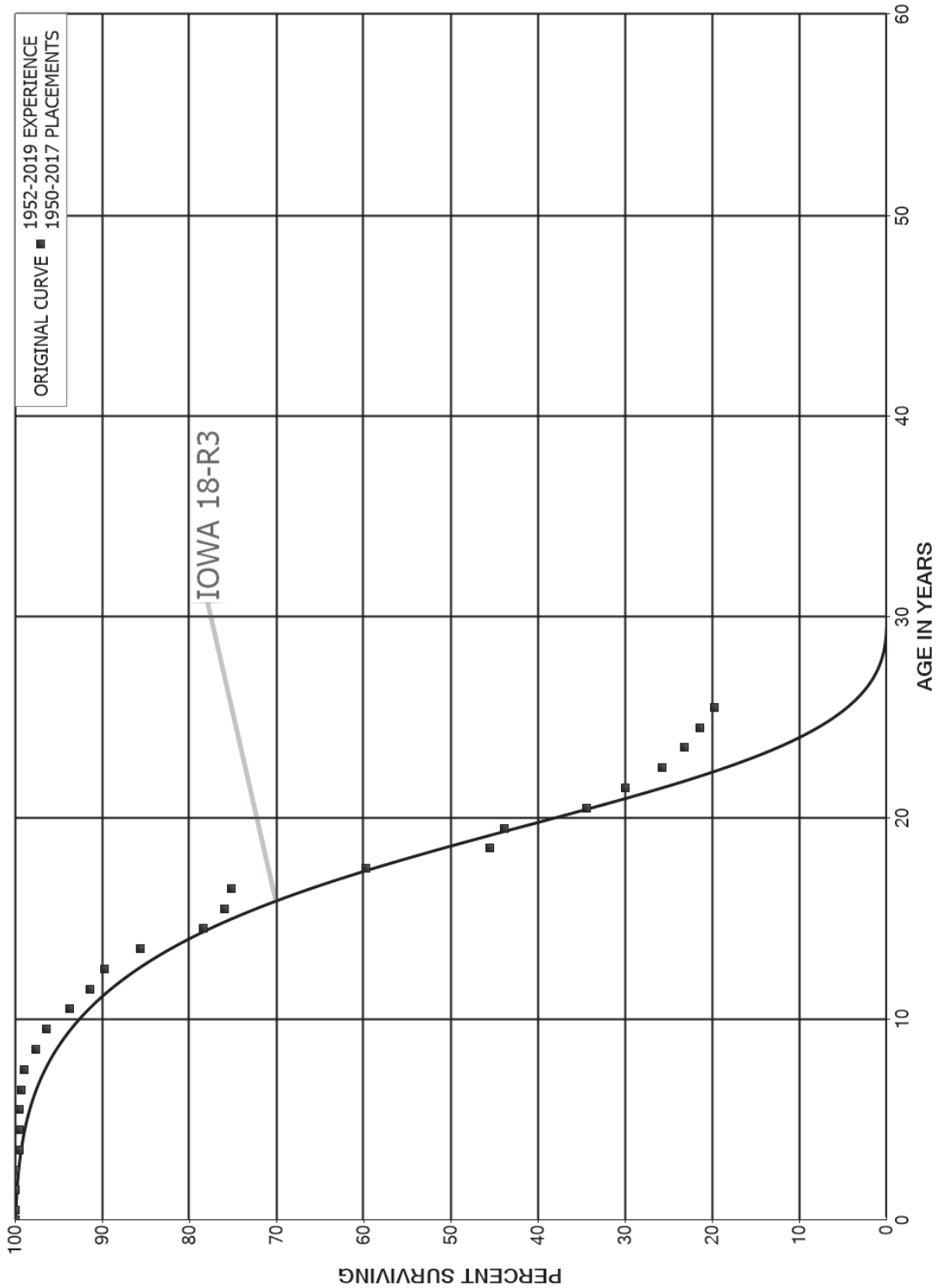
ORIGINAL LIFE TABLE

PLACEMENT BAND 1981-2019

EXPERIENCE BAND 2008-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	2,456,656		0.0000	1.0000	100.00
0.5	2,558,051		0.0000	1.0000	100.00
1.5	2,552,312		0.0000	1.0000	100.00
2.5	2,511,180		0.0000	1.0000	100.00
3.5	2,511,180		0.0000	1.0000	100.00
4.5	2,170,527		0.0000	1.0000	100.00
5.5	2,170,527		0.0000	1.0000	100.00
6.5	1,451,632		0.0000	1.0000	100.00
7.5	557,402		0.0000	1.0000	100.00
8.5	532,499		0.0000	1.0000	100.00
9.5	490,904	56,936	0.1160	0.8840	100.00
10.5	150,607		0.0000	1.0000	88.40
11.5	38,262		0.0000	1.0000	88.40
12.5	17,312		0.0000	1.0000	88.40
13.5					88.40
14.5	59,106	19,230	0.3253		
15.5	114,378	77,086	0.6740		
16.5	167,294	61,613	0.3683		
17.5	162,797	8,738	0.0537		
18.5	199,959	12,302	0.0615		
19.5	219,955		0.0000		
20.5	261,058		0.0000		
21.5	336,700		0.0000		
22.5	338,694	10,134	0.0299		
23.5	328,559	2,016	0.0061		
24.5	330,662		0.0000		
25.5	311,054	30,968	0.0996		
26.5	287,234	17,007	0.0592		
27.5	226,845		0.0000		
28.5	169,729	10,220	0.0602		
29.5	113,609		0.0000		
30.5	81,310		0.0000		
31.5	81,310		0.0000		
32.5	22,675		0.0000		
33.5	22,675		0.0000		
34.5	22,675		0.0000		
35.5	18,557		0.0000		
36.5	18,557	14,117	0.7607		
37.5	4,440		0.0000		
38.5					

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT
ACCOUNTS 396.00 AND 396.10 POWER OPERATED EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 396.00 AND 396.10 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1950-2017

EXPERIENCE BAND 1952-2019

AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0	7,376,972		0.0000	1.0000	100.00
0.5	7,378,440	7,403	0.0010	0.9990	100.00
1.5	7,371,411		0.0000	1.0000	99.90
2.5	7,356,931	30,186	0.0041	0.9959	99.90
3.5	7,326,745	931	0.0001	0.9999	99.49
4.5	7,325,814	1,552	0.0002	0.9998	99.48
5.5	7,320,532	8,843	0.0012	0.9988	99.46
6.5	7,311,689	28,827	0.0039	0.9961	99.34
7.5	7,282,862	99,905	0.0137	0.9863	98.94
8.5	5,318,671	65,859	0.0124	0.9876	97.59
9.5	4,928,416	133,963	0.0272	0.9728	96.38
10.5	4,591,411	116,991	0.0255	0.9745	93.76
11.5	4,236,758	77,028	0.0182	0.9818	91.37
12.5	4,032,102	184,338	0.0457	0.9543	89.71
13.5	3,213,210	269,659	0.0839	0.9161	85.61
14.5	2,749,100	87,861	0.0320	0.9680	78.42
15.5	2,225,280	23,238	0.0104	0.9896	75.92
16.5	1,983,931	405,232	0.2043	0.7957	75.12
17.5	1,573,184	374,974	0.2384	0.7616	59.78
18.5	1,189,222	44,539	0.0375	0.9625	45.53
19.5	1,144,683	247,298	0.2160	0.7840	43.83
20.5	897,385	116,378	0.1297	0.8703	34.36
21.5	781,007	109,750	0.1405	0.8595	29.90
22.5	651,899	63,213	0.0970	0.9030	25.70
23.5	560,823	43,056	0.0768	0.9232	23.21
24.5	516,659	41,256	0.0799	0.9201	21.43
25.5	344,035	3,677	0.0107	0.9893	19.72
26.5	302,663	16,338	0.0540	0.9460	19.50
27.5	286,325	15,516	0.0542	0.9458	18.45
28.5	158,634	4,705	0.0297	0.9703	17.45
29.5	153,929	17,218	0.1119	0.8881	16.93
30.5	78,990		0.0000	1.0000	15.04
31.5	75,339	374	0.0050	0.9950	15.04
32.5	33,353	11,051	0.3313	0.6687	14.97
33.5	22,302	1,468	0.0658	0.9342	10.01
34.5	20,834	1,771	0.0850	0.9150	9.35
35.5	19,063		0.0000	1.0000	8.55
36.5	19,063		0.0000	1.0000	8.55
37.5	19,063	2,348	0.1232	0.8768	8.55
38.5	16,715		0.0000	1.0000	7.50

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 396.00 AND 396.10 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1950-2017			EXPERIENCE BAND 1952-2019		
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
39.5	16,715		0.0000	1.0000	7.50
40.5					7.50

PART VIII. NET SALVAGE STATISTICS

ELECTRIC PLANT

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	71		0		0		0
1987	10,199	3,830	38		0	3,830-	38-
1988	2,989-	40	1-		0	40-	1
1989	25,527	29,398	115		0	29,398-	115-
1990	2,741	16,611	606		0	16,611-	606-
1991	1,912	2,236	117		0	2,236-	117-
1992	5,204		0		0		0
1993	122		0		0		0
1994	71		0		0		0
1995	221	117	53		0	117-	53-
1996	3,152		0	2,917	93	2,917	93
1997							
1998	1,122	141	13		0	141-	13-
1999							
2000	646	11,200			0	11,200-	
2001	798	5,000	626		0	5,000-	626-
2002	37,529	33,424	89		0	33,424-	89-
2003	8,666		0		0		0
2004	43,694		0		0		0
2005	205,079	1,570	1		0	1,570-	1-
2006	24,928	5,511	22		0	5,511-	22-
2007	70,627		0		0		0
2008	72,578	40,768	56		0	40,768-	56-
2009	89,314		0		0		0
2010	20,153	12,580	62		0	12,580-	62-
2011	34,260	2,618	8		0	2,618-	8-
2012	4,319	1,246	29		0	1,246-	29-
2013							
2014	15,376		0		0		0
2015	76,262	34,926	46		0	34,926-	46-
2016	289,325		0		0		0
2017							
2018	102,366	335	0		0	335-	0
2019	209,061	44	0		0	44-	0
TOTAL	1,352,337	201,591	15	2,917	0	198,675-	15-

THREE-YEAR MOVING AVERAGES

86-88	2,427	1,290	53		0	1,290-	53-
87-89	10,912	11,089	102		0	11,089-	102-
88-90	8,426	15,349	182		0	15,349-	182-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	10,060	16,081	160		0	16,081-	160-
90-92	3,285	6,282	191		0	6,282-	191-
91-93	2,413	745	31		0	745-	31-
92-94	1,799		0		0		0
93-95	138	39	28		0	39-	28-
94-96	1,148	39	3	972	85	933	81
95-97	1,124	39	3	972	86	933	83
96-98	1,425	47	3	972	68	925	65
97-99	374	47	13		0	47-	13-
98-00	589	3,780	641		0	3,780-	641-
99-01	482	5,400			0	5,400-	
00-02	12,991	16,541	127		0	16,541-	127-
01-03	15,665	12,808	82		0	12,808-	82-
02-04	29,963	11,141	37		0	11,141-	37-
03-05	85,813	523	1		0	523-	1-
04-06	91,234	2,360	3		0	2,360-	3-
05-07	100,211	2,360	2		0	2,360-	2-
06-08	56,044	15,426	28		0	15,426-	28-
07-09	77,506	13,589	18		0	13,589-	18-
08-10	60,682	17,783	29		0	17,783-	29-
09-11	47,909	5,066	11		0	5,066-	11-
10-12	19,578	5,481	28		0	5,481-	28-
11-13	12,860	1,288	10		0	1,288-	10-
12-14	6,565	415	6		0	415-	6-
13-15	30,546	11,642	38		0	11,642-	38-
14-16	126,988	11,642	9		0	11,642-	9-
15-17	121,862	11,642	10		0	11,642-	10-
16-18	130,564	112	0		0	112-	0
17-19	103,809	126	0		0	126-	0
FIVE-YEAR AVERAGE							
15-19	135,403	7,061	5		0	7,061-	5-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	90,066	18,992	21		0	18,992-	21-
1987	73,770	44,949	61		0	44,949-	61-
1988	379,346	33,879	9		0	33,879-	9-
1989	63,860	31,789	50		0	31,789-	50-
1990	1,603,839	207,512	13		0	207,512-	13-
1991	38,877		0	37,804	97	37,804	97
1992	453,142	82,201	18		0	82,201-	18-
1993	99,504	28,131	28		0	28,131-	28-
1994	152,661	12,195	8		0	12,195-	8-
1995	130,695	15,203	12		0	15,203-	12-
1996	306,483		0	37,661	12	37,661	12
1997	55,050	9,351	17		0	9,351-	17-
1998	35,909	9,498	26		0	9,498-	26-
1999	26,135	5,904	23		0	5,904-	23-
2000	426,696	89,594	21		0	89,594-	21-
2001	83,872	23,701	28		0	23,701-	28-
2002	357,498	23,224	6		0	23,224-	6-
2003	1,105,346		0	19,305	2	19,305	2
2004	1,475,836	31,561	2		0	31,561-	2-
2005	1,362,792	186,103	14		0	186,103-	14-
2006	402,285	236,632	59		0	236,632-	59-
2007	368,553	220,974	60		0	220,974-	60-
2008	564,937	158,054	28		0	158,054-	28-
2009	625,873	146,215	23		0	146,215-	23-
2010	116,778	21,195	18		0	21,195-	18-
2011	85,332	248,665	291		0	248,665-	291-
2012	2,357	163,833			0	163,833-	
2013		706,573				706,573-	
2014	363,390	82,191	23	15,666	4	66,526-	18-
2015	1,026,000	159,992	16	33,694	3	126,298-	12-
2016	803,892	26,124	3		0	26,124-	3-
2017	123,924	380,724	307	101,108	82	279,616-	226-
2018	1,058,378	396,105	37	67,759	6	328,346-	31-
2019		503,174		17,428		485,746-	
TOTAL	13,863,077	4,304,237	31	330,425	2	3,973,812-	29-

THREE-YEAR MOVING AVERAGES

86-88	181,061	32,607	18		0	32,607-	18-
87-89	172,325	36,872	21		0	36,872-	21-
88-90	682,348	91,060	13		0	91,060-	13-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	568,859	79,767	14	12,601	2	67,165-	12-
90-92	698,620	96,571	14	12,601	2	83,969-	12-
91-93	197,175	36,777	19	12,601	6	24,176-	12-
92-94	235,103	40,842	17		0	40,842-	17-
93-95	127,620	18,510	15		0	18,510-	15-
94-96	196,613	9,133	5	12,554	6	3,421	2
95-97	164,076	8,184	5	12,554	8	4,369	3
96-98	132,481	6,283	5	12,554	9	6,271	5
97-99	39,032	8,251	21		0	8,251-	21-
98-00	162,914	34,999	21		0	34,999-	21-
99-01	178,901	39,733	22		0	39,733-	22-
00-02	289,355	45,507	16		0	45,507-	16-
01-03	515,572	15,642	3	6,435	1	9,207-	2-
02-04	979,560	18,262	2	6,435	1	11,827-	1-
03-05	1,314,658	72,555	6	6,435	0	66,120-	5-
04-06	1,080,304	151,432	14		0	151,432-	14-
05-07	711,210	214,569	30		0	214,569-	30-
06-08	445,258	205,220	46		0	205,220-	46-
07-09	519,787	175,081	34		0	175,081-	34-
08-10	435,863	108,488	25		0	108,488-	25-
09-11	275,994	138,692	50		0	138,692-	50-
10-12	68,156	144,564	212		0	144,564-	212-
11-13	29,230	373,024			0	373,024-	
12-14	121,916	317,532	260	5,222	4	312,310-	256-
13-15	463,130	316,252	68	16,453	4	299,799-	65-
14-16	731,094	89,436	12	16,453	2	72,983-	10-
15-17	651,272	188,947	29	44,934	7	144,013-	22-
16-18	662,064	267,651	40	56,289	9	211,362-	32-
17-19	394,101	426,668	108	62,098	16	364,569-	93-
FIVE-YEAR AVERAGE							
15-19	602,439	293,224	49	43,998	7	249,226-	41-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1987	3,830	22,074	576		0	22,074-	576-
1988							
1989		2,270				2,270-	
1990	22		0		0		0
1991		9,000				9,000-	
1992	1,601		0		0		0
1993	953	262	27		0	262-	27-
1994							
1995							
1996	104,852		0		0		0
1997		13,905				13,905-	
1998							
1999	44,093		0		0		0
2000							
2001	37,593		0		0		0
2002							
2003	5,354		0		0		0
2004	32,134		0		0		0
2005	7,718		0		0		0
2006	35,212	18,222	52		0	18,222-	52-
2007	18,584		0		0		0
2008	3,547	25,000	705		0	25,000-	705-
2009		67,568				67,568-	
2010		24,000				24,000-	
2011	11,837		0		0		0
2012	1,427	1	0		0	1-	0
2013							
2014							
2015	4,119		0		0		0
2016	1,572	3,754	239		0	3,754-	239-
2017		653,939		418,154		235,785-	
2018		191,002		191,521		518	
2019		141,040		45,816		95,224-	
TOTAL	314,448	1,172,038	373	655,491	208	516,547-	164-

THREE-YEAR MOVING AVERAGES

87-89	1,277	8,115	636		0	8,115-	636-
88-90	7	757			0	757-	
89-91	7	3,757			0	3,757-	
90-92	541	3,000	555		0	3,000-	555-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	851	3,087	363		0	3,087-	363-
92-94	851	87	10		0	87-	10-
93-95	318	87	27		0	87-	27-
94-96	34,951		0		0		0
95-97	34,951	4,635	13		0	4,635-	13-
96-98	34,951	4,635	13		0	4,635-	13-
97-99	14,698	4,635	32		0	4,635-	32-
98-00	14,698		0		0		0
99-01	27,229		0		0		0
00-02	12,531		0		0		0
01-03	14,316		0		0		0
02-04	12,496		0		0		0
03-05	15,069		0		0		0
04-06	25,021	6,074	24		0	6,074-	24-
05-07	20,505	6,074	30		0	6,074-	30-
06-08	19,114	14,407	75		0	14,407-	75-
07-09	7,377	30,856	418		0	30,856-	418-
08-10	1,182	38,856			0	38,856-	
09-11	3,946	30,523	774		0	30,523-	774-
10-12	4,421	8,000	181		0	8,000-	181-
11-13	4,421		0		0		0
12-14	476		0		0		0
13-15	1,373		0		0		0
14-16	1,897	1,251	66		0	1,251-	66-
15-17	1,897	219,231		139,385		79,846-	
16-18	524	282,898		203,225		79,673-	
17-19		328,660		218,497		110,163-	
FIVE-YEAR AVERAGE							
15-19	1,138	197,947		131,098		66,849-	

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	20,165	9,401	47		0	9,401-	47-
1987	2,526-	13,485	534-		0	13,485-	534
1988	39,374	72,220	183		0	72,220-	183-
1989	53,697	11,293	21		0	11,293-	21-
1990	72,276	74,831	104		0	74,831-	104-
1991	57,863	71,314	123		0	71,314-	123-
1992	97,330	34,267	35		0	34,267-	35-
1993	28,897	54,188	188		0	54,188-	188-
1994	28,763	34,374	120		0	34,374-	120-
1995	21,546	12,045	56		0	12,045-	56-
1996	15,955	21,678	136		0	21,678-	136-
1997	59,057	23,405	40		0	23,405-	40-
1998	17,891	23,835	133		0	23,835-	133-
1999	173,700	48,758	28		0	48,758-	28-
2000							
2001	224,476	1,239	1		0	1,239-	1-
2002	51,773	62,157	120		0	62,157-	120-
2003	38,333	57,630	150		0	57,630-	150-
2004	226,479	35,925	16		0	35,925-	16-
2005	150,464	5,988	4		0	5,988-	4-
2006	394,580	537,942	136		0	537,942-	136-
2007	347,540	573,532	165		0	573,532-	165-
2008	531,958	75,623	14		0	75,623-	14-
2009	231,359	79,813	34		0	79,813-	34-
2010	92,453	49,869	54		0	49,869-	54-
2011	442,338	124,839	28		0	124,839-	28-
2012	9,546	35,466	372		0	35,466-	372-
2013		64,828				64,828-	
2014		10,763		2,379		8,384-	
2015	103,186	21,142	20	345	0	20,797-	20-
2016	32,820	3,259	10		0	3,259-	10-
2017	132	181,658		46,357		135,301-	
2018		10,704		2,910		7,794-	
2019		55,831				55,831-	
TOTAL	3,561,424	2,493,303	70	51,991	1	2,441,311-	69-

THREE-YEAR MOVING AVERAGES

86-88	19,004	31,702	167		0	31,702-	167-
87-89	30,181	32,332	107		0	32,332-	107-
88-90	55,115	52,781	96		0	52,781-	96-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 355.00 AND 355.10 POLES AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	61,279	52,479	86		0	52,479-	86-
90-92	75,823	60,137	79		0	60,137-	79-
91-93	61,363	53,256	87		0	53,256-	87-
92-94	51,663	40,943	79		0	40,943-	79-
93-95	26,402	33,536	127		0	33,536-	127-
94-96	22,088	22,699	103		0	22,699-	103-
95-97	32,186	19,043	59		0	19,043-	59-
96-98	30,968	22,973	74		0	22,973-	74-
97-99	83,549	31,999	38		0	31,999-	38-
98-00	63,864	24,198	38		0	24,198-	38-
99-01	132,725	16,666	13		0	16,666-	13-
00-02	92,083	21,132	23		0	21,132-	23-
01-03	104,860	40,342	38		0	40,342-	38-
02-04	105,528	51,904	49		0	51,904-	49-
03-05	138,425	33,181	24		0	33,181-	24-
04-06	257,174	193,285	75		0	193,285-	75-
05-07	297,528	372,487	125		0	372,487-	125-
06-08	424,693	395,699	93		0	395,699-	93-
07-09	370,286	242,989	66		0	242,989-	66-
08-10	285,257	68,435	24		0	68,435-	24-
09-11	255,383	84,840	33		0	84,840-	33-
10-12	181,446	70,058	39		0	70,058-	39-
11-13	150,628	75,044	50		0	75,044-	50-
12-14	3,182	37,019		793	25	36,226-	
13-15	34,395	32,244	94	908	3	31,336-	91-
14-16	45,335	11,722	26	908	2	10,813-	24-
15-17	45,379	68,686	151	15,568	34	53,119-	117-
16-18	10,984	65,207	594	16,422	150	48,785-	444-
17-19	44	82,731		16,422		66,309-	
FIVE-YEAR AVERAGE							
15-19	27,228	54,519	200	9,922	36	44,596-	164-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	22,220	7,166	32		0	7,166-	32-
1987	4,615	9,829	213		0	9,829-	213-
1988	35,441	882	2		0	882-	2-
1989	25,736	2,964	12		0	2,964-	12-
1990	23,812	29,257	123		0	29,257-	123-
1991	29,673	44,126	149		0	44,126-	149-
1992	91,774	49,698	54		0	49,698-	54-
1993	6,540	9,242	141		0	9,242-	141-
1994	729		0		0		0
1995	2,835	20,246	714		0	20,246-	714-
1996	36,195	629	2		0	629-	2-
1997							
1998	350		0		0		0
1999	106,141	5,198	5		0	5,198-	5-
2000							
2001	269,967		0		0		0
2002	917	219	24		0	219-	24-
2003	6,763		0		0		0
2004	100,791		0		0		0
2005	403,430		0		0		0
2006	976,525	163,168	17		0	163,168-	17-
2007	394,585	157,169	40		0	157,169-	40-
2008	264,838	28,200	11		0	28,200-	11-
2009	1,045	20,670			0	20,670-	
2010	40,677	160,884	396		0	160,884-	396-
2011	194,983		0		0		0
2012	6,481	11,604	179		0	11,604-	179-
2013		5,050				5,050-	
2014		90				90-	
2015	59,654	2,679	4	190	0	2,488-	4-
2016							
2017		115,320				115,320-	
2018		17,620				17,620-	
2019		47,043				47,043-	
TOTAL	3,106,716	908,952	29	190	0	908,761-	29-

THREE-YEAR MOVING AVERAGES

86-88	20,758	5,959	29		0	5,959-	29-
87-89	21,931	4,558	21		0	4,558-	21-
88-90	28,330	11,035	39		0	11,035-	39-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 356.00 AND 356.10 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	26,407	25,449	96		0	25,449-	96-
90-92	48,419	41,027	85		0	41,027-	85-
91-93	42,662	34,355	81		0	34,355-	81-
92-94	33,014	19,646	60		0	19,646-	60-
93-95	3,368	9,829	292		0	9,829-	292-
94-96	13,253	6,958	53		0	6,958-	53-
95-97	13,010	6,958	53		0	6,958-	53-
96-98	12,182	210	2		0	210-	2-
97-99	35,497	1,733	5		0	1,733-	5-
98-00	35,497	1,733	5		0	1,733-	5-
99-01	125,369	1,733	1		0	1,733-	1-
00-02	90,295	73	0		0	73-	0
01-03	92,549	73	0		0	73-	0
02-04	36,157	73	0		0	73-	0
03-05	170,328		0		0		0
04-06	493,582	54,389	11		0	54,389-	11-
05-07	591,513	106,779	18		0	106,779-	18-
06-08	545,316	116,179	21		0	116,179-	21-
07-09	220,156	68,680	31		0	68,680-	31-
08-10	102,187	69,918	68		0	69,918-	68-
09-11	78,902	60,518	77		0	60,518-	77-
10-12	80,714	57,496	71		0	57,496-	71-
11-13	67,155	5,551	8		0	5,551-	8-
12-14	2,160	5,582	258		0	5,582-	258-
13-15	19,885	2,606	13	63	0	2,543-	13-
14-16	19,885	923	5	63	0	860-	4-
15-17	19,885	39,333	198	63	0	39,269-	197-
16-18		44,313				44,313-	
17-19		59,994				59,994-	
FIVE-YEAR AVERAGE							
15-19	11,931	36,532	306	38	0	36,494-	306-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1992	7,134	564	8		0	564-	8-
1993							
1994							
1995							
1996							
1997							
1998							
1999	22,006	7,940	36		0	7,940-	36-
2000							
2001							
2002	7,202	1,012	14		0	1,012-	14-
2003	150,004		0		0		0
2004							
2005	29,572		0		0		0
2006							
2007							
2008	4,590		0		0		0
2009							
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
TOTAL	220,508	9,515	4		0	9,515-	4-
THREE-YEAR MOVING AVERAGES							
92-94	2,378	188	8		0	188-	8-
93-95							
94-96							
95-97							
96-98							
97-99	7,335	2,647	36		0	2,647-	36-
98-00	7,335	2,647	36		0	2,647-	36-
99-01	7,335	2,647	36		0	2,647-	36-
00-02	2,401	337	14		0	337-	14-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
01-03	52,402	337	1		0	337-	1-
02-04	52,402	337	1		0	337-	1-
03-05	59,859		0		0		0
04-06	9,857		0		0		0
05-07	9,857		0		0		0
06-08	1,530		0		0		0
07-09	1,530		0		0		0
08-10	1,530		0		0		0
09-11							
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							
16-18							
17-19							
FIVE-YEAR AVERAGE							
15-19							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1989		526				526-	
1990	4,479	5,220	117		0	5,220-	117-
1991							
1992							
1993							
1994							
1995		17,488				17,488-	
1996							
1997							
1998							
1999							
2000							
2001	6,063		0		0		0
2002							
2003							
2004							
2005							
2006	13,201		0		0		0
2007							
2008							
2009							
2010							
2011							
2012							
2013							
2014							
2015	338		0		0		0
2016							
2017		92,862		92,862			
2018		12,919-		12,919-			
2019							
TOTAL	24,080	103,178	428	79,944	332	23,234-	96-

THREE-YEAR MOVING AVERAGES

89-91	1,493	1,916	128		0	1,916-	128-
90-92	1,493	1,740	117		0	1,740-	117-
91-93							
92-94							
93-95		5,829				5,829-	
94-96		5,829				5,829-	

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
95-97		5,829				5,829-	
96-98							
97-99							
98-00							
99-01	2,021		0		0		0
00-02	2,021		0		0		0
01-03	2,021		0		0		0
02-04							
03-05							
04-06	4,400		0		0		0
05-07	4,400		0		0		0
06-08	4,400		0		0		0
07-09							
08-10							
09-11							
10-12							
11-13							
12-14							
13-15	113		0		0		0
14-16	113		0		0		0
15-17	113	30,954		30,954			0
16-18		26,648		26,648			
17-19		26,648		26,648			
FIVE-YEAR AVERAGE							
15-19	68	15,989		15,989			0

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	6,505	2,009	31		0	2,009-	31-
1987	109	2,000			0	2,000-	
1988	17,612	1,960	11		0	1,960-	11-
1989	17,750	413,698			0	413,698-	
1990	80,157	25,228	31		0	25,228-	31-
1991	505	879	174		0	879-	174-
1992	15,911	1,356	9		0	1,356-	9-
1993	5,202	433	8		0	433-	8-
1994	4,869	1,611	33		0	1,611-	33-
1995	3,270	800	24		0	800-	24-
1996	36,339		0	20,997	58	20,997	58
1997	9,028		0	5,096	56	5,096	56
1998	23	200	871		0	200-	871-
1999	6,530		0		0		0
2000							
2001	7,845	27,530	351		0	27,530-	351-
2002	15,525	9,000	58		0	9,000-	58-
2003	27,763	2,875	10		0	2,875-	10-
2004	78,622		0		0		0
2005	205,354	9,647	5		0	9,647-	5-
2006	140,807	14,808	11		0	14,808-	11-
2007	60,799	36,724	60		0	36,724-	60-
2008	60,645	14,680	24		0	14,680-	24-
2009	9,504	6,500	68		0	6,500-	68-
2010	8,380	151,003			0	151,003-	
2011	26,938	13,779	51	381	1	13,398-	50-
2012	6,517	28	0		0	28-	0
2013							
2014	32,641	40,997	126	41,655	128	658	2
2015	61,084	658	1		0	658-	1-
2016							
2017	111,675	216,805	194	216,805	194		0
2018	75,328	11,821	16	11,821	16		0
2019		274,942				274,942-	
TOTAL	1,133,237	1,281,969	113	296,754	26	985,215-	87-

THREE-YEAR MOVING AVERAGES

86-88	8,075	1,989	25		0	1,989-	25-
87-89	11,824	139,219			0	139,219-	
88-90	38,506	146,962	382		0	146,962-	382-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	32,804	146,601	447		0	146,601-	447-
90-92	32,191	9,154	28		0	9,154-	28-
91-93	7,206	889	12		0	889-	12-
92-94	8,661	1,133	13		0	1,133-	13-
93-95	4,447	948	21		0	948-	21-
94-96	14,826	804	5	6,999	47	6,195	42
95-97	16,213	267	2	8,698	54	8,431	52
96-98	15,130	67	0	8,698	57	8,631	57
97-99	5,193	67	1	1,699	33	1,632	31
98-00	2,184	67	3		0	67-	3-
99-01	4,792	9,177	192		0	9,177-	192-
00-02	7,790	12,177	156		0	12,177-	156-
01-03	17,045	13,135	77		0	13,135-	77-
02-04	40,637	3,958	10		0	3,958-	10-
03-05	103,913	4,174	4		0	4,174-	4-
04-06	141,594	8,152	6		0	8,152-	6-
05-07	135,653	20,393	15		0	20,393-	15-
06-08	87,417	22,071	25		0	22,071-	25-
07-09	43,649	19,301	44		0	19,301-	44-
08-10	26,176	57,394	219		0	57,394-	219-
09-11	14,940	57,094	382	127	1	56,967-	381-
10-12	13,945	54,936	394	127	1	54,810-	393-
11-13	11,151	4,602	41	127	1	4,475-	40-
12-14	13,052	13,675	105	13,885	106	210	2
13-15	31,242	13,885	44	13,885	44		0
14-16	31,242	13,885	44	13,885	44		0
15-17	57,586	72,488	126	72,268	125	219-	0
16-18	62,335	76,208	122	76,208	122		0
17-19	62,335	167,856	269	76,208	122	91,647-	147-
FIVE-YEAR AVERAGE							
15-19	49,618	100,845	203	45,725	92	55,120-	111-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	271,070	12,284	5		0	12,284-	5-
1987	16,725	11,916	71		0	11,916-	71-
1988	698,286	24,645	4		0	24,645-	4-
1989	406,395	116,888	29		0	116,888-	29-
1990	375,490	64,354	17		0	64,354-	17-
1991	215,113	76,513	36		0	76,513-	36-
1992	829,915	87,699	11		0	87,699-	11-
1993	238,002	22,507	9		0	22,507-	9-
1994	346,616	62,282	18		0	62,282-	18-
1995	89,391	22,229	25		0	22,229-	25-
1996	1,386,095		0	744,112	54	744,112	54
1997	139,299		0	57,799	41	57,799	41
1998	171,595	105,797	62		0	105,797-	62-
1999	172,207	70,177	41		0	70,177-	41-
2000	76,943	25,368	33		0	25,368-	33-
2001	781,324	4,571	1		0	4,571-	1-
2002	1,259,230	129,653	10		0	129,653-	10-
2003	1,126,224	7,349	1		0	7,349-	1-
2004	2,061,096	220,261	11		0	220,261-	11-
2005	2,130,517	387,480	18		0	387,480-	18-
2006	2,418,378	196,136	8		0	196,136-	8-
2007	1,918,327		0	95,035	5	95,035	5
2008	928,309	243,386	26		0	243,386-	26-
2009	1,497,918	284,332	19		0	284,332-	19-
2010	222,138	178,610	80		0	178,610-	80-
2011	123,757	143,195	116	2,119	2	141,076-	114-
2012	242,771	68,606	28		0	68,606-	28-
2013	238,727	19,951	8		0	19,951-	8-
2014	2,055,441	750,862	37	122,704	6	628,158-	31-
2015	995,499	352,433	35	60,387	6	292,046-	29-
2016	218,366	154,975	71	26,564	12	128,411-	59-
2017	2,646,450	1,139,568	43	1,046,050	40	93,518-	4-
2018	274,570	463,305	169	160,932	59	302,372-	110-
2019	194,779	355,173	182	76,085	39	279,088-	143-
TOTAL	26,766,965	5,802,506	22	2,391,788	9	3,410,717-	13-

THREE-YEAR MOVING AVERAGES

86-88	328,693	16,282	5		0	16,282-	5-
87-89	373,802	51,150	14		0	51,150-	14-
88-90	493,390	68,629	14		0	68,629-	14-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	332,333	85,918	26		0	85,918-	26-
90-92	473,506	76,189	16		0	76,189-	16-
91-93	427,677	62,240	15		0	62,240-	15-
92-94	471,511	57,496	12		0	57,496-	12-
93-95	224,670	35,673	16		0	35,673-	16-
94-96	607,368	28,170	5	248,037	41	219,867	36
95-97	538,262	7,410	1	267,304	50	259,894	48
96-98	565,663	35,266	6	267,304	47	232,038	41
97-99	161,034	58,658	36	19,266	12	39,392-	24-
98-00	140,248	67,114	48		0	67,114-	48-
99-01	343,491	33,372	10		0	33,372-	10-
00-02	705,832	53,197	8		0	53,197-	8-
01-03	1,055,593	47,191	4		0	47,191-	4-
02-04	1,482,183	119,088	8		0	119,088-	8-
03-05	1,772,612	205,030	12		0	205,030-	12-
04-06	2,203,330	267,959	12		0	267,959-	12-
05-07	2,155,741	194,539	9	31,678	1	162,860-	8-
06-08	1,755,005	146,507	8	31,678	2	114,829-	7-
07-09	1,448,185	175,906	12	31,678	2	144,227-	10-
08-10	882,788	235,443	27		0	235,443-	27-
09-11	614,604	202,046	33	706	0	201,339-	33-
10-12	196,222	130,137	66	706	0	129,431-	66-
11-13	201,752	77,251	38	706	0	76,545-	38-
12-14	845,646	279,806	33	40,901	5	238,905-	28-
13-15	1,096,556	374,415	34	61,030	6	313,385-	29-
14-16	1,089,769	419,423	38	69,885	6	349,538-	32-
15-17	1,286,772	548,992	43	377,667	29	171,325-	13-
16-18	1,046,462	585,949	56	411,182	39	174,767-	17-
17-19	1,038,600	652,682	63	427,689	41	224,993-	22-
FIVE-YEAR AVERAGE							
15-19	865,933	493,091	57	274,004	32	219,087-	25-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	185,683	261,383	141		0	261,383-	141-
1987	262,334	300,093	114		0	300,093-	114-
1988	449,344	261,313	58		0	261,313-	58-
1989	399,418	582,783	146		0	582,783-	146-
1990	666,309	704,080	106		0	704,080-	106-
1991	360,099	480,278	133		0	480,278-	133-
1992	507,800	618,280	122		0	618,280-	122-
1993	415,821	732,901	176		0	732,901-	176-
1994	434,361	613,548	141		0	613,548-	141-
1995	340,199	621,451	183		0	621,451-	183-
1996	595,575	482,766	81		0	482,766-	81-
1997	321,155	495,855	154		0	495,855-	154-
1998	562,769	477,288	85		0	477,288-	85-
1999	636,895	844,513	133		0	844,513-	133-
2000	513,795	560,289	109		0	560,289-	109-
2001	628,970	529,123	84		0	529,123-	84-
2002	631,288	549,783	87		0	549,783-	87-
2003	561,397	544,600	97		0	544,600-	97-
2004	793,903	645,019	81		0	645,019-	81-
2005	724,885	751,748	104		0	751,748-	104-
2006	848,876	885,645	104		0	885,645-	104-
2007	747,386	1,056,695	141		0	1,056,695-	141-
2008	1,026,413	1,116,314	109		0	1,116,314-	109-
2009	802,768	1,563,145	195		0	1,563,145-	195-
2010	859,013	1,141,994	133		0	1,141,994-	133-
2011	809,341	1,329,957	164	19,884	2	1,310,074-	162-
2012	1,100,147	1,216,775	111	16,732	2	1,200,043-	109-
2013	1,320,496	2,016,958	153		0	2,016,958-	153-
2014	744,102	1,496,996	201	227,333	31	1,269,663-	171-
2015	1,399,835	1,822,340	130	231,029	17	1,591,310-	114-
2016	830,372	1,808,539	218		0	1,808,539-	218-
2017	953,472	2,158,002	226	108,218	11	2,049,784-	215-
2018	1,026,231	2,201,785	215		0	2,201,785-	215-
2019	1,276,374	2,951,241	231	304,715	24	2,646,525-	207-
TOTAL	23,736,828	33,823,481	142	907,911	4	32,915,570-	139-

THREE-YEAR MOVING AVERAGES

86-88	299,120	274,263	92		0	274,263-	92-
87-89	370,365	381,396	103		0	381,396-	103-
88-90	505,023	516,059	102		0	516,059-	102-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	475,275	589,047	124		0	589,047-	124-
90-92	511,403	600,879	117		0	600,879-	117-
91-93	427,907	610,486	143		0	610,486-	143-
92-94	452,661	654,910	145		0	654,910-	145-
93-95	396,794	655,967	165		0	655,967-	165-
94-96	456,712	572,588	125		0	572,588-	125-
95-97	418,976	533,357	127		0	533,357-	127-
96-98	493,166	485,303	98		0	485,303-	98-
97-99	506,940	605,886	120		0	605,886-	120-
98-00	571,153	627,363	110		0	627,363-	110-
99-01	593,220	644,642	109		0	644,642-	109-
00-02	591,351	546,398	92		0	546,398-	92-
01-03	607,218	541,169	89		0	541,169-	89-
02-04	662,196	579,800	88		0	579,800-	88-
03-05	693,395	647,122	93		0	647,122-	93-
04-06	789,221	760,804	96		0	760,804-	96-
05-07	773,716	898,030	116		0	898,030-	116-
06-08	874,225	1,019,552	117		0	1,019,552-	117-
07-09	858,856	1,245,385	145		0	1,245,385-	145-
08-10	896,065	1,273,818	142		0	1,273,818-	142-
09-11	823,707	1,345,032	163	6,628	1	1,338,404-	162-
10-12	922,834	1,229,575	133	12,205	1	1,217,370-	132-
11-13	1,076,661	1,521,230	141	12,205	1	1,509,025-	140-
12-14	1,054,915	1,576,910	149	81,355	8	1,495,555-	142-
13-15	1,154,811	1,778,765	154	152,788	13	1,625,977-	141-
14-16	991,436	1,709,292	172	152,788	15	1,556,504-	157-
15-17	1,061,226	1,929,627	182	113,082	11	1,816,545-	171-
16-18	936,692	2,056,109	220	36,073	4	2,020,036-	216-
17-19	1,085,359	2,437,009	225	137,644	13	2,299,365-	212-
FIVE-YEAR AVERAGE							
15-19	1,097,257	2,188,381	199	128,792	12	2,059,589-	188-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	75,743	101,186	134		0	101,186-	134-
1987	84,260	105,972	126		0	105,972-	126-
1988	238,484	29,343	12		0	29,343-	12-
1989	238,935	320,373	134		0	320,373-	134-
1990	267,834	188,853	71		0	188,853-	71-
1991	187,442	161,413	86		0	161,413-	86-
1992	252,198	302,857	120		0	302,857-	120-
1993	225,819	354,609	157		0	354,609-	157-
1994	357,476	349,401	98		0	349,401-	98-
1995	461,348	507,159	110		0	507,159-	110-
1996	506,652	376,152	74		0	376,152-	74-
1997	272,091	292,507	108		0	292,507-	108-
1998	423,794	380,561	90		0	380,561-	90-
1999	646,000	907,616	140		0	907,616-	140-
2000	438,321	495,515	113		0	495,515-	113-
2001	605,594	435,425	72		0	435,425-	72-
2002	589,117	416,209	71		0	416,209-	71-
2003	475,676	526,005	111		0	526,005-	111-
2004	835,518	739,615	89		0	739,615-	89-
2005	696,117	740,397	106		0	740,397-	106-
2006	515,630	790,320	153		0	790,320-	153-
2007	529,738	881,312	166		0	881,312-	166-
2008	910,995	797,961	88		0	797,961-	88-
2009	718,233	1,155,762	161		0	1,155,762-	161-
2010	625,269	1,087,977	174		0	1,087,977-	174-
2011	796,334	1,023,694	129	118,112	15	905,582-	114-
2012	350,369	724,014	207	230,019	66	493,995-	141-
2013	388,738	1,111,053	286	74,185	19	1,036,868-	267-
2014	566,667	1,760,578	311	411,790	73	1,348,788-	238-
2015	1,101,593	2,140,263	194	580,196	53	1,560,067-	142-
2016	677,635	1,407,864	208	340,515	50	1,067,349-	158-
2017	852,603	1,427,238	167	559,120	66	868,118-	102-
2018	1,192,179	1,237,886	104	515,969	43	721,917-	61-
2019	1,297,959	1,249,954	96	297,525	23	952,429-	73-
TOTAL	18,402,362	24,527,043	133	3,127,429	17	21,399,614-	116-

THREE-YEAR MOVING AVERAGES

86-88	132,829	78,834	59	0	78,834-	59-
87-89	187,226	151,896	81	0	151,896-	81-
88-90	248,418	179,523	72	0	179,523-	72-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	231,404	223,547	97		0	223,547-	97-
90-92	235,825	217,708	92		0	217,708-	92-
91-93	221,820	272,960	123		0	272,960-	123-
92-94	278,498	335,622	121		0	335,622-	121-
93-95	348,214	403,723	116		0	403,723-	116-
94-96	441,825	410,904	93		0	410,904-	93-
95-97	413,364	391,939	95		0	391,939-	95-
96-98	400,846	349,740	87		0	349,740-	87-
97-99	447,295	526,895	118		0	526,895-	118-
98-00	502,705	594,564	118		0	594,564-	118-
99-01	563,305	612,852	109		0	612,852-	109-
00-02	544,344	449,049	82		0	449,049-	82-
01-03	556,796	459,213	82		0	459,213-	82-
02-04	633,437	560,610	89		0	560,610-	89-
03-05	669,104	668,672	100		0	668,672-	100-
04-06	682,422	756,777	111		0	756,777-	111-
05-07	580,495	804,010	139		0	804,010-	139-
06-08	652,121	823,198	126		0	823,198-	126-
07-09	719,655	945,011	131		0	945,011-	131-
08-10	751,499	1,013,900	135		0	1,013,900-	135-
09-11	713,278	1,089,144	153	39,371	6	1,049,774-	147-
10-12	590,657	945,228	160	116,044	20	829,185-	140-
11-13	511,814	952,920	186	140,772	28	812,148-	159-
12-14	435,258	1,198,548	275	238,664	55	959,884-	221-
13-15	685,666	1,670,631	244	355,390	52	1,315,241-	192-
14-16	781,965	1,769,568	226	444,167	57	1,325,402-	169-
15-17	877,277	1,658,455	189	493,277	56	1,165,178-	133-
16-18	907,472	1,357,663	150	471,868	52	885,795-	98-
17-19	1,114,247	1,305,026	117	457,538	41	847,488-	76-
FIVE-YEAR AVERAGE							
15-19	1,024,394	1,492,641	146	458,665	45	1,033,976-	101-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.10 OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986		488				488-	
1987							
1988	3,893	9,141	235		0	9,141-	235-
1989	10,926	135,835			0	135,835-	
1990	44,494		0	16,615	37	16,615	37
1991	92,652	953	1		0	953-	1-
1992	75,335		0	24,004	32	24,004	32
1993	33,058	10,991	33		0	10,991-	33-
1994	28,691	5,463	19		0	5,463-	19-
1995	9,803		0	939	10	939	10
1996	148,511	10,805	7		0	10,805-	7-
1997	17,224	3,255	19		0	3,255-	19-
1998	52,290	10,319	20		0	10,319-	20-
1999	43,563	21,948	50		0	21,948-	50-
2000	11,227	6,356	57		0	6,356-	57-
2001	32,168	9,421	29		0	9,421-	29-
2002	43,512	28,190	65		0	28,190-	65-
2003	45,200	4,072	9		0	4,072-	9-
2004	13,700	14,561	106		0	14,561-	106-
2005	64,573	35,229	55		0	35,229-	55-
2006	20,095	21,058	105		0	21,058-	105-
2007	27,104	10,295	38		0	10,295-	38-
2008	49,027	26,038	53		0	26,038-	53-
2009	24,095	30,456	126		0	30,456-	126-
2010	18,081	16,173	89		0	16,173-	89-
2011	21,136	28,214	133		0	28,214-	133-
2012	70,195	17,800	25		0	17,800-	25-
2013	17,846	6,826	38		0	6,826-	38-
2014							
2015							
2016							
2017	9,028	21,317	236	8,099	90	13,217-	146-
2018	21,859	21,754	100	391	2	21,363-	98-
2019	26,868	26,218	98	11,358	42	14,860-	55-
TOTAL	1,076,154	533,176	50	61,407	6	471,769-	44-

THREE-YEAR MOVING AVERAGES

86-88	1,298	3,210	247		0	3,210-	247-
87-89	4,940	48,326	978		0	48,326-	978-
88-90	19,771	48,326	244	5,538	28	42,787-	216-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.10 OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	49,357	45,596	92	5,538	11	40,058-	81-
90-92	70,827	318	0	13,540	19	13,222	19
91-93	67,015	3,981	6	8,001	12	4,020	6
92-94	45,695	5,485	12	8,001	18	2,517	6
93-95	23,851	5,485	23	313	1	5,172-	22-
94-96	62,335	5,423	9	313	1	5,109-	8-
95-97	58,513	4,687	8	313	1	4,374-	7-
96-98	72,675	8,126	11		0	8,126-	11-
97-99	37,692	11,841	31		0	11,841-	31-
98-00	35,693	12,874	36		0	12,874-	36-
99-01	28,986	12,575	43		0	12,575-	43-
00-02	28,969	14,656	51		0	14,656-	51-
01-03	40,293	13,894	34		0	13,894-	34-
02-04	34,137	15,608	46		0	15,608-	46-
03-05	41,158	17,954	44		0	17,954-	44-
04-06	32,790	23,616	72		0	23,616-	72-
05-07	37,258	22,194	60		0	22,194-	60-
06-08	32,076	19,130	60		0	19,130-	60-
07-09	33,409	22,263	67		0	22,263-	67-
08-10	30,401	24,222	80		0	24,222-	80-
09-11	21,104	24,948	118		0	24,948-	118-
10-12	36,471	20,729	57		0	20,729-	57-
11-13	36,392	17,613	48		0	17,613-	48-
12-14	29,347	8,209	28		0	8,209-	28-
13-15	5,949	2,275	38		0	2,275-	38-
14-16							
15-17	3,009	7,106	236	2,700	90	4,406-	146-
16-18	10,296	14,357	139	2,830	27	11,527-	112-
17-19	19,252	23,096	120	6,616	34	16,480-	86-
FIVE-YEAR AVERAGE							
15-19	11,551	13,858	120	3,970	34	9,888-	86-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	789	3,878	491		0	3,878-	491-
1987	709		0	219	31	219	31
1988							
1989	1,471	5,295	360		0	5,295-	360-
1990	3,012		0	4,665	155	4,665	155
1991	9,830	4,065	41		0	4,065-	41-
1992	38,679	5,366	14		0	5,366-	14-
1993	1,611	1,663	103		0	1,663-	103-
1994	399	1,858	466		0	1,858-	466-
1995	5,265	1,380	26		0	1,380-	26-
1996	7,555	3,314	44		0	3,314-	44-
1997	3,444	4,064	118		0	4,064-	118-
1998	10,873	5,302	49		0	5,302-	49-
1999	29,340	9,133	31		0	9,133-	31-
2000	1,183		0	128	11	128	11
2001	22,765	2,594	11		0	2,594-	11-
2002	3,253	2,905	89		0	2,905-	89-
2003	3,474	3,679	106		0	3,679-	106-
2004	8,660	8,180	94		0	8,180-	94-
2005	20,384	12,415	61		0	12,415-	61-
2006	4,782	19,706	412		0	19,706-	412-
2007	65,723	13,250	20		0	13,250-	20-
2008	13,255	12,620	95		0	12,620-	95-
2009	6,089	14,531	239		0	14,531-	239-
2010	4,578	8,324	182		0	8,324-	182-
2011	1,613	3,998	248		0	3,998-	248-
2012		16,446				16,446-	
2013	713	55,584			0	55,584-	
2014	1,965	54,194		6,460	329	47,734-	
2015	1,908	49,989		15,256	800	34,733-	
2016	2,763	37,156		4,791	173	32,365-	
2017		48,005		6,583		41,422-	
2018		55,239		15,690		39,549-	
2019	1,393	49,844		10,717	769	39,128-	
TOTAL	277,478	513,980	185	64,509	23	449,471-	162-

THREE-YEAR MOVING AVERAGES

86-88	499	1,293	259	73	15	1,220-	244-
87-89	727	1,765	243	73	10	1,692-	233-
88-90	1,495	1,765	118	1,555	104	210-	14-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	4,771	3,120	65	1,555	33	1,565-	33-
90-92	17,174	3,144	18	1,555	9	1,589-	9-
91-93	16,707	3,698	22		0	3,698-	22-
92-94	13,563	2,962	22		0	2,962-	22-
93-95	2,425	1,634	67		0	1,634-	67-
94-96	4,406	2,184	50		0	2,184-	50-
95-97	5,421	2,920	54		0	2,920-	54-
96-98	7,291	4,227	58		0	4,227-	58-
97-99	14,552	6,167	42		0	6,167-	42-
98-00	13,799	4,812	35	43	0	4,769-	35-
99-01	17,763	3,909	22	43	0	3,866-	22-
00-02	9,067	1,833	20	43	0	1,791-	20-
01-03	9,831	3,059	31		0	3,059-	31-
02-04	5,129	4,922	96		0	4,922-	96-
03-05	10,839	8,091	75		0	8,091-	75-
04-06	11,275	13,434	119		0	13,434-	119-
05-07	30,296	15,124	50		0	15,124-	50-
06-08	27,920	15,192	54		0	15,192-	54-
07-09	28,356	13,467	47		0	13,467-	47-
08-10	7,974	11,825	148		0	11,825-	148-
09-11	4,094	8,951	219		0	8,951-	219-
10-12	2,064	9,589	465		0	9,589-	465-
11-13	775	25,343			0	25,343-	
12-14	892	42,075		2,153	241	39,921-	
13-15	1,528	53,256		7,239	474	46,017-	
14-16	2,212	47,113		8,836	399	38,277-	
15-17	1,557	45,050		8,877	570	36,173-	
16-18	921	46,800		9,022	979	37,779-	
17-19	464	51,030		10,997		40,033-	
FIVE-YEAR AVERAGE							
15-19	1,213	48,047		10,607	875	37,439-	

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	141,547	65,630	46		0	65,630-	46-
1987	13,163	1,859	14		0	1,859-	14-
1988	201,870	37,554	19		0	37,554-	19-
1989	330,924	160,874	49		0	160,874-	49-
1990	35,909	9,012	25		0	9,012-	25-
1991	22,513	25,017	111		0	25,017-	111-
1992	43,423	25,007	58		0	25,007-	58-
1993	61,235	18,109	30		0	18,109-	30-
1994	55,739	21,274	38		0	21,274-	38-
1995	71,250	80,496	113		0	80,496-	113-
1996	205,359	2,557	1		0	2,557-	1-
1997	75,972	60,180	79		0	60,180-	79-
1998	63,405	33,592	53		0	33,592-	53-
1999	35,622		0	7,705	22	7,705	22
2000	6,665	34,463	517		0	34,463-	517-
2001	99,407	41,646	42		0	41,646-	42-
2002	107,615	49,063	46		0	49,063-	46-
2003	94,139	47,179	50		0	47,179-	50-
2004	154,118	42,652	28		0	42,652-	28-
2005	132,467	83,594	63		0	83,594-	63-
2006	62,010	32,516	52		0	32,516-	52-
2007	231,017	168,502	73		0	168,502-	73-
2008	230,291	36,562	16		0	36,562-	16-
2009	171,339	231,648	135		0	231,648-	135-
2010	114,403	219,448	192		0	219,448-	192-
2011	130,558	102,271	78	27,430	21	74,841-	57-
2012	24,705	71,134	288		0	71,134-	288-
2013	68,654	258,306	376	151,900	221	106,406-	155-
2014	86,914	121,732	140	174,322	201	52,590	61
2015	26,254	111,597	425	29,106	111	82,490-	314-
2016	24,040	85,195	354	17,264	72	67,931-	283-
2017	68,489	125,651	183	62,196	91	63,455-	93-
2018	119,887	115,726	97	30,801	26	84,925-	71-
2019	19,724	115,980	588	36,764	186	79,216-	402-
TOTAL	3,330,628	2,636,027	79	537,488	16	2,098,539-	63-

THREE-YEAR MOVING AVERAGES

86-88	118,860	35,014	29		0	35,014-	29-
87-89	181,986	66,762	37		0	66,762-	37-
88-90	189,568	69,146	36		0	69,146-	36-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	129,782	64,968	50		0	64,968-	50-
90-92	33,948	19,679	58		0	19,679-	58-
91-93	42,390	22,711	54		0	22,711-	54-
92-94	53,466	21,463	40		0	21,463-	40-
93-95	62,742	39,960	64		0	39,960-	64-
94-96	110,783	34,776	31		0	34,776-	31-
95-97	117,527	47,744	41		0	47,744-	41-
96-98	114,912	32,110	28		0	32,110-	28-
97-99	58,333	31,257	54	2,568	4	28,689-	49-
98-00	35,230	22,685	64	2,568	7	20,117-	57-
99-01	47,231	25,370	54	2,568	5	22,802-	48-
00-02	71,229	41,724	59		0	41,724-	59-
01-03	100,387	45,963	46		0	45,963-	46-
02-04	118,624	46,298	39		0	46,298-	39-
03-05	126,908	57,809	46		0	57,809-	46-
04-06	116,198	52,921	46		0	52,921-	46-
05-07	141,831	94,871	67		0	94,871-	67-
06-08	174,439	79,193	45		0	79,193-	45-
07-09	210,882	145,571	69		0	145,571-	69-
08-10	172,011	162,553	95		0	162,553-	95-
09-11	138,767	184,456	133	9,143	7	175,312-	126-
10-12	89,889	130,951	146	9,143	10	121,808-	136-
11-13	74,639	143,904	193	59,777	80	84,127-	113-
12-14	60,091	150,391	250	108,741	181	41,650-	69-
13-15	60,607	163,879	270	118,443	195	45,436-	75-
14-16	45,736	106,175	232	73,564	161	32,611-	71-
15-17	39,595	107,481	271	36,189	91	71,292-	180-
16-18	70,805	108,857	154	36,753	52	72,104-	102-
17-19	69,367	119,119	172	43,254	62	75,865-	109-
FIVE-YEAR AVERAGE							
15-19	51,679	110,830	214	35,226	68	75,604-	146-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	1,216,415	375,299	31		0	375,299-	31-
1987	586,786		0	124,062	21	124,062	21
1988	590,862	23,933	4		0	23,933-	4-
1989	901,567	78,005	9		0	78,005-	9-
1990	1,568,445	153,978	10		0	153,978-	10-
1991	1,098,910	150,528	14		0	150,528-	14-
1992	966,274	65,147	7		0	65,147-	7-
1993	848,506	53,214	6		0	53,214-	6-
1994	1,005,929		0	3,691	0	3,691	0
1995	723,778		0	102,330	14	102,330	14
1996	138,720		0	222,756	161	222,756	161
1997	64,126		0	42,571	66	42,571	66
1998	390,087		0	81,005	21	81,005	21
1999	108,610		0	44,108	41	44,108	41
2000	1,897,682	22,142	1		0	22,142-	1-
2001	1,211,335	33,519	3		0	33,519-	3-
2002	1,460,767		0	168,473	12	168,473	12
2003	1,226,870	167,575	14		0	167,575-	14-
2004	1,404,721	231,342	16		0	231,342-	16-
2005	1,435,771	225,610	16		0	225,610-	16-
2006	1,528,094	37,901	2		0	37,901-	2-
2007	1,149,246	117,893	10		0	117,893-	10-
2008	1,297,364	194,263	15		0	194,263-	15-
2009	1,273,437	381,171	30		0	381,171-	30-
2010	3,410,475	2,048,011	60		0	2,048,011-	60-
2011	2,685,667	1,118,654	42		0	1,118,654-	42-
2012	2,576,976	747,110	29		0	747,110-	29-
2013	1,756,820	418,921	24		0	418,921-	24-
2014	1,077,909	505,028	47	124,727	12	380,300-	35-
2015	897,012	702,982	78	97,028	11	605,955-	68-
2016	2,085,109	435,173	21	71,148	3	364,025-	17-
2017	1,252,470	449,479	36	119,718	10	329,760-	26-
2018	1,875,017	400,801	21	88,571	5	312,230-	17-
2019	901,455	432,254	48	134,462	15	297,793-	33-
TOTAL	42,613,209	9,569,934	22	1,424,650	3	8,145,284-	19-

THREE-YEAR MOVING AVERAGES

86-88	798,021	133,077	17	41,354	5	91,724-	11-
87-89	693,071	33,979	5	41,354	6	7,375	1
88-90	1,020,291	85,305	8		0	85,305-	8-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 368.10, 368.20, 368.30 AND 368.40 LINE TRANSFORMERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	1,189,640	127,504	11		0	127,504-	11-
90-92	1,211,210	123,218	10		0	123,218-	10-
91-93	971,230	89,630	9		0	89,630-	9-
92-94	940,236	39,454	4	1,230	0	38,223-	4-
93-95	859,404	17,738	2	35,340	4	17,602	2
94-96	622,809		0	109,592	18	109,592	18
95-97	308,874		0	122,553	40	122,553	40
96-98	197,644		0	115,444	58	115,444	58
97-99	187,608		0	55,895	30	55,895	30
98-00	798,793	7,381	1	41,704	5	34,324	4
99-01	1,072,542	18,554	2	14,703	1	3,851-	0
00-02	1,523,261	18,554	1	56,158	4	37,604	2
01-03	1,299,657	67,031	5	56,158	4	10,874-	1-
02-04	1,364,119	132,972	10	56,158	4	76,815-	6-
03-05	1,355,787	208,176	15		0	208,176-	15-
04-06	1,456,195	164,951	11		0	164,951-	11-
05-07	1,371,037	127,135	9		0	127,135-	9-
06-08	1,324,901	116,686	9		0	116,686-	9-
07-09	1,240,016	231,109	19		0	231,109-	19-
08-10	1,993,759	874,482	44		0	874,482-	44-
09-11	2,456,526	1,182,612	48		0	1,182,612-	48-
10-12	2,891,039	1,304,592	45		0	1,304,592-	45-
11-13	2,339,821	761,561	33		0	761,561-	33-
12-14	1,803,901	557,019	31	41,576	2	515,444-	29-
13-15	1,243,914	542,310	44	73,918	6	468,392-	38-
14-16	1,353,343	547,728	40	97,634	7	450,093-	33-
15-17	1,411,530	529,211	37	95,965	7	433,247-	31-
16-18	1,737,532	428,484	25	93,146	5	335,338-	19-
17-19	1,342,980	427,511	32	114,250	9	313,261-	23-
FIVE-YEAR AVERAGE							
15-19	1,402,213	484,138	35	102,185	7	381,953-	27-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 369.10 AND 369.20 SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	10,633	50,071	471		0	50,071-	471-
1987	40,920	44,736	109		0	44,736-	109-
1988	78,123	20,309	26		0	20,309-	26-
1989	50,475	35,885	71		0	35,885-	71-
1990	54,200	52,569	97		0	52,569-	97-
1991	37,066	57,372	155		0	57,372-	155-
1992	69,469	66,697	96		0	66,697-	96-
1993	63,668	75,982	119		0	75,982-	119-
1994	39,348	73,532	187		0	73,532-	187-
1995	30,892	69,093	224		0	69,093-	224-
1996	56,114	96,881	173		0	96,881-	173-
1997	34,859	51,124	147		0	51,124-	147-
1998	60,872	79,762	131		0	79,762-	131-
1999	47,549	92,833	195		0	92,833-	195-
2000	60,287	112,168	186		0	112,168-	186-
2001	75,387	100,058	133		0	100,058-	133-
2002	72,795	127,389	175		0	127,389-	175-
2003	61,784	140,254	227		0	140,254-	227-
2004	78,310	147,520	188		0	147,520-	188-
2005	73,301	175,945	240		0	175,945-	240-
2006	65,869	52,860	80		0	52,860-	80-
2007	49,425	273,211	553		0	273,211-	553-
2008	39,714	210,178	529		0	210,178-	529-
2009	45,725	233,805	511		0	233,805-	511-
2010	36,830	235,831	640		0	235,831-	640-
2011	30,673	195,761	638	27,430	89	168,331-	549-
2012	32,036	25,305	79		0	25,305-	79-
2013	37,743	307,121	814		0	307,121-	814-
2014	46,216	455,381	985	158,961	344	296,421-	641-
2015	46,824	450,465	962	264,099	564	186,365-	398-
2016	45,994	456,661	993	178,590	388	278,072-	605-
2017	38,897	517,902		308,582	793	209,320-	538-
2018	22,075	439,812		233,528		206,284-	934-
2019	22,261	503,550		206,181	926	297,369-	
TOTAL	1,656,334	6,028,025	364	1,377,370	83	4,650,655-	281-

THREE-YEAR MOVING AVERAGES

86-88	43,226	38,372	89	0	38,372-	89-
87-89	56,506	33,643	60	0	33,643-	60-
88-90	60,933	36,254	59	0	36,254-	59-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 369.10 AND 369.20 SERVICES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	47,247	48,609	103		0	48,609-	103-
90-92	53,578	58,879	110		0	58,879-	110-
91-93	56,734	66,683	118		0	66,683-	118-
92-94	57,495	72,070	125		0	72,070-	125-
93-95	44,636	72,869	163		0	72,869-	163-
94-96	42,118	79,835	190		0	79,835-	190-
95-97	40,621	72,366	178		0	72,366-	178-
96-98	50,615	75,923	150		0	75,923-	150-
97-99	47,760	74,573	156		0	74,573-	156-
98-00	56,236	94,921	169		0	94,921-	169-
99-01	61,075	101,686	166		0	101,686-	166-
00-02	69,490	113,205	163		0	113,205-	163-
01-03	69,989	122,567	175		0	122,567-	175-
02-04	70,963	138,388	195		0	138,388-	195-
03-05	71,132	154,573	217		0	154,573-	217-
04-06	72,493	125,442	173		0	125,442-	173-
05-07	62,865	167,339	266		0	167,339-	266-
06-08	51,670	178,750	346		0	178,750-	346-
07-09	44,955	239,065	532		0	239,065-	532-
08-10	40,757	226,605	556		0	226,605-	556-
09-11	37,743	221,799	588	9,143	24	212,656-	563-
10-12	33,180	152,299	459	9,143	28	143,156-	431-
11-13	33,484	176,063	526	9,143	27	166,919-	499-
12-14	38,665	262,602	679	52,987	137	209,616-	542-
13-15	43,594	404,322	927	141,020	323	263,302-	604-
14-16	46,345	454,169	980	200,550	433	253,619-	547-
15-17	43,905	475,009		250,424	570	224,586-	512-
16-18	35,655	471,458		240,233	674	231,225-	649-
17-19	27,744	487,088		249,430	899	237,658-	857-
FIVE-YEAR AVERAGE							
15-19	35,210	473,678		238,196	676	235,482-	669-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 370.10, 370.11, 370.20 AND 370.21 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	63,372	2,107	3		0	2,107-	3-
1987	77,434		0	19,721	25	19,721	25
1988	41,710	3,430	8		0	3,430-	8-
1989	1,376,556	1,201	0		0	1,201-	0
1990	75,475	1,194	2		0	1,194-	2-
1991	161,250	3,673	2		0	3,673-	2-
1992	615,219	318	0		0	318-	0
1993	128,682		0	375	0	375	0
1994	142,176		0	5,044	4	5,044	4
1995	261,253	6,389	2		0	6,389-	2-
1996	246,349		0	8,486	3	8,486	3
1997	228,262	10,386	5		0	10,386-	5-
1998	172,716	598	0		0	598-	0
1999	420,422	1,261	0		0	1,261-	0
2000	212,257	1,459	1		0	1,459-	1-
2001	308,503	6,997	2		0	6,997-	2-
2002	1,110,419	4,210	0		0	4,210-	0
2003	569,542	16,399	3		0	16,399-	3-
2004	730,755	9,930	1		0	9,930-	1-
2005	1,154,039	6,034	1		0	6,034-	1-
2006	1,809,007	6,896	0		0	6,896-	0
2007	1,241,294	13,960	1		0	13,960-	1-
2008	1,071,156		0	2,959	0	2,959	0
2009	888,861		0	3,562	0	3,562	0
2010	671,969	83,537	12		0	83,537-	12-
2011	781,551	2,792	0		0	2,792-	0
2012	1,376,192		0		0		0
2013	1,608,121		0		0		0
2014	306,280		0		0		0
2015	699,423		0		0		0
2016	430,651		0		0		0
2017	614,526		0		0		0
2018	8,266,776	130,353	2	140,925	2	10,572	0
2019	21,649,159	215,347	1	215,347	1		0
TOTAL	49,511,358	528,470	1	396,418	1	132,052-	0

THREE-YEAR MOVING AVERAGES

86-88	60,839	1,846	3	6,574	11	4,728	8
87-89	498,567	1,543	0	6,574	1	5,030	1
88-90	497,914	1,942	0		0	1,942-	0

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 370.10, 370.11, 370.20 AND 370.21 METERS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	537,761	2,023	0		0	2,023-	0
90-92	283,982	1,729	1		0	1,729-	1-
91-93	301,717	1,330	0	125	0	1,205-	0
92-94	295,359	106	0	1,806	1	1,700	1
93-95	177,370	2,130	1	1,806	1	323-	0
94-96	216,593	2,130	1	4,510	2	2,380	1
95-97	245,288	5,592	2	2,829	1	2,763-	1-
96-98	215,776	3,661	2	2,829	1	833-	0
97-99	273,800	4,082	1		0	4,082-	1-
98-00	268,465	1,106	0		0	1,106-	0
99-01	313,727	3,239	1		0	3,239-	1-
00-02	543,726	4,222	1		0	4,222-	1-
01-03	662,822	9,202	1		0	9,202-	1-
02-04	803,572	10,180	1		0	10,180-	1-
03-05	818,112	10,788	1		0	10,788-	1-
04-06	1,231,267	7,620	1		0	7,620-	1-
05-07	1,401,447	8,963	1		0	8,963-	1-
06-08	1,373,819	6,952	1	986	0	5,965-	0
07-09	1,067,104	4,653	0	2,174	0	2,479-	0
08-10	877,329	27,846	3	2,174	0	25,672-	3-
09-11	780,794	28,776	4	1,187	0	27,589-	4-
10-12	943,237	28,776	3		0	28,776-	3-
11-13	1,255,288	931	0		0	931-	0
12-14	1,096,864		0		0		0
13-15	871,275		0		0		0
14-16	478,785		0		0		0
15-17	581,533		0		0		0
16-18	3,103,984	43,451	1	46,975	2	3,524	0
17-19	10,176,820	115,233	1	118,757	1	3,524	0
FIVE-YEAR AVERAGE							
15-19	6,332,107	69,140	1	71,254	1	2,114	0

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 371.00 INSTALLATIONS ON CUSTOMERS' PREMISES

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
2005	4,424		0		0		0
2006							
2007							
2008							
2009	7,001		0		0		0
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
TOTAL	11,425		0		0		0

THREE-YEAR MOVING AVERAGES

05-07	1,475		0		0		0
06-08							
07-09	2,334		0		0		0
08-10	2,334		0		0		0
09-11	2,334		0		0		0
10-12							
11-13							
12-14							
13-15							
14-16							
15-17							
16-18							
17-19							

FIVE-YEAR AVERAGE

15-19

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	70,902	37,935	54		0	37,935-	54-
1987	299,275	17,897	6		0	17,897-	6-
1988	250,397	41,391	17		0	41,391-	17-
1989	232,954	48,236	21		0	48,236-	21-
1990	278,324	44,408	16		0	44,408-	16-
1991	199,714	31,780	16		0	31,780-	16-
1992	224,409	69,566	31		0	69,566-	31-
1993	245,042	77,021	31		0	77,021-	31-
1994	258,433	65,643	25		0	65,643-	25-
1995	121,177	54,548	45		0	54,548-	45-
1996	114,575	35,313	31		0	35,313-	31-
1997	31,639	31,306	99		0	31,306-	99-
1998	52,706	24,008	46		0	24,008-	46-
1999	41,941	23,500	56		0	23,500-	56-
2000	32,657	24,765	76		0	24,765-	76-
2001	54,973	21,447	39		0	21,447-	39-
2002	62,432	35,636	57		0	35,636-	57-
2003	44,370	25,343	57		0	25,343-	57-
2004	59,891	47,245	79		0	47,245-	79-
2005	56,167	27,305	49		0	27,305-	49-
2006	46,124	41,831	91		0	41,831-	91-
2007	51,781	36,154	70		0	36,154-	70-
2008	65,384	10,638	16		0	10,638-	16-
2009	61,495	48,027	78		0	48,027-	78-
2010	74,801	85,464	114		0	85,464-	114-
2011	77,854	58,103	75		0	58,103-	75-
2012	269,910	168,921	63	47	0	168,874-	63-
2013	449,170	367,687	82		0	367,687-	82-
2014	328,581	278,080	85	82,342	25	195,738-	60-
2015	319,050	288,138	90	114,962	36	173,176-	54-
2016	263,494	270,015	102	63,029	24	206,987-	79-
2017	381,161	256,210	67		0	256,210-	67-
2018	128,809	285,923	222		0	285,923-	222-
2019	576,400	344,142	60	80	0	344,062-	60-
TOTAL	5,825,994	3,323,627	57	260,460	4	3,063,167-	53-

THREE-YEAR MOVING AVERAGES

86-88	206,858	32,407	16		0	32,407-	16-
87-89	260,875	35,841	14		0	35,841-	14-
88-90	253,892	44,678	18		0	44,678-	18-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNTS 373.10 AND 373.20 STREET LIGHTING AND SIGNAL SYSTEMS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	236,997	41,475	18		0	41,475-	18-
90-92	234,149	48,584	21		0	48,584-	21-
91-93	223,055	59,455	27		0	59,455-	27-
92-94	242,628	70,743	29		0	70,743-	29-
93-95	208,217	65,737	32		0	65,737-	32-
94-96	164,728	51,835	31		0	51,835-	31-
95-97	89,130	40,389	45		0	40,389-	45-
96-98	66,307	30,209	46		0	30,209-	46-
97-99	42,095	26,272	62		0	26,272-	62-
98-00	42,435	24,091	57		0	24,091-	57-
99-01	43,190	23,237	54		0	23,237-	54-
00-02	50,021	27,282	55		0	27,282-	55-
01-03	53,925	27,475	51		0	27,475-	51-
02-04	55,564	36,075	65		0	36,075-	65-
03-05	53,476	33,298	62		0	33,298-	62-
04-06	54,060	38,794	72		0	38,794-	72-
05-07	51,357	35,097	68		0	35,097-	68-
06-08	54,430	29,541	54		0	29,541-	54-
07-09	59,554	31,606	53		0	31,606-	53-
08-10	67,227	48,043	71		0	48,043-	71-
09-11	71,384	63,865	89		0	63,865-	89-
10-12	140,855	104,163	74	16	0	104,147-	74-
11-13	265,645	198,237	75	16	0	198,221-	75-
12-14	349,221	271,563	78	27,463	8	244,100-	70-
13-15	365,600	311,302	85	65,768	18	245,534-	67-
14-16	303,709	278,745	92	86,778	29	191,967-	63-
15-17	321,235	271,454	85	59,330	18	212,124-	66-
16-18	257,821	270,716	105	21,010	8	249,706-	97-
17-19	362,123	295,425	82	27	0	295,398-	82-
FIVE-YEAR AVERAGE							
15-19	333,783	288,886	87	35,614	11	253,272-	76-

**GENERAL PLANT
ELECTRIC, GAS AND COMMON**

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	548,521	72,626	13		0	72,626-	13-
1987	100,263	57,048	57		0	57,048-	57-
1988	211,110	21,989	10		0	21,989-	10-
1989	93,115	23,264	25		0	23,264-	25-
1990	46,845	17,589	38		0	17,589-	38-
1991	150,502	19,757	13		0	19,757-	13-
1992	169,553	30,126	18		0	30,126-	18-
1993	162,651	3,911	2		0	3,911-	2-
1994	98,555	15,809	16		0	15,809-	16-
1995	21,650	14,100	65		0	14,100-	65-
1996	159,838	26,305	16		0	26,305-	16-
1997	163,656	31,994	20		0	31,994-	20-
1998	55,102	22,980	42		0	22,980-	42-
1999	43,349	36,915	85		0	36,915-	85-
2000	177,061	11,326	6		0	11,326-	6-
2001	185,547	58,608	32		0	58,608-	32-
2002	960,634	998,849	104		0	998,849-	104-
2003	721,072	42,657	6		0	42,657-	6-
2004	1,251,414	198,037	16		0	198,037-	16-
2005	1,084,966	53,748	5		0	53,748-	5-
2006	501,724	81,587	16		0	81,587-	16-
2007	854,952	203,788	24		0	203,788-	24-
2008	1,176,494	147,582	13		0	147,582-	13-
2009	960,772	333,065	35		0	333,065-	35-
2010	336,814	264,626	79		0	264,626-	79-
2011	730,265	45,033	6		0	45,033-	6-
2012	167,822	46,827	28		0	46,827-	28-
2013		93,522				93,522-	
2014	694,274	285,459	41	525	0	284,934-	41-
2015	1,497,587	155,532	10	71,323	5	84,209-	6-
2016	466,787	1,034,662	222		0	1,034,662-	222-
2017	649,166	222,788	34		0	222,788-	34-
2018	216,599	1,012-	0		0	1,012	0
2019	129,112	554	0		0	554-	0
TOTAL	14,787,772	4,671,654	32	71,848	0	4,599,806-	31-

THREE-YEAR MOVING AVERAGES

86-88	286,631	50,554	18		0	50,554-	18-
87-89	134,829	34,100	25		0	34,100-	25-
88-90	117,023	20,947	18		0	20,947-	18-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	96,821	20,203	21		0	20,203-	21-
90-92	122,300	22,491	18		0	22,491-	18-
91-93	160,902	17,931	11		0	17,931-	11-
92-94	143,586	16,615	12		0	16,615-	12-
93-95	94,286	11,273	12		0	11,273-	12-
94-96	93,348	18,738	20		0	18,738-	20-
95-97	115,048	24,133	21		0	24,133-	21-
96-98	126,199	27,093	21		0	27,093-	21-
97-99	87,369	30,630	35		0	30,630-	35-
98-00	91,837	23,741	26		0	23,741-	26-
99-01	135,319	35,617	26		0	35,617-	26-
00-02	441,081	356,261	81		0	356,261-	81-
01-03	622,418	366,705	59		0	366,705-	59-
02-04	977,707	413,181	42		0	413,181-	42-
03-05	1,019,151	98,147	10		0	98,147-	10-
04-06	946,035	111,124	12		0	111,124-	12-
05-07	813,881	113,041	14		0	113,041-	14-
06-08	844,390	144,319	17		0	144,319-	17-
07-09	997,406	228,145	23		0	228,145-	23-
08-10	824,693	248,425	30		0	248,425-	30-
09-11	675,950	214,242	32		0	214,242-	32-
10-12	411,634	118,829	29		0	118,829-	29-
11-13	299,362	61,794	21		0	61,794-	21-
12-14	287,365	141,936	49	175	0	141,761-	49-
13-15	730,620	178,171	24	23,949	3	154,222-	21-
14-16	886,216	491,884	56	23,949	3	467,935-	53-
15-17	871,180	470,994	54	23,774	3	447,220-	51-
16-18	444,184	418,813	94		0	418,813-	94-
17-19	331,626	74,110	22		0	74,110-	22-
FIVE-YEAR AVERAGE							
15-19	591,850	282,505	48	14,265	2	268,240-	45-

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 392.10, 392.20, 392.30 AND 392.40 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1986	71,156		0	6,085	9	6,085	9
1987	1,443,238		0	239,128	17	239,128	17
1988	401,678		0	84,354	21	84,354	21
1989	1,961,104		0	341,296	17	341,296	17
1990	1,025,584		0	124,088	12	124,088	12
1991	1,689,909		0	141,344	8	141,344	8
1992	1,875,230		0	261,436	14	261,436	14
1993	1,591,232		0	261,014	16	261,014	16
1994	352,750		0	102,075	29	102,075	29
1995	1,927,364		0	275,515	14	275,515	14
1996							
1997	2,913,534		0	329,283	11	329,283	11
1998							
1999	616,747		0	258,119	42	258,119	42
2000	4,464,008		0	305,820	7	305,820	7
2001	33,324		0	102,981	309	102,981	309
2002	388,468		0	19,472	5	19,472	5
2003	1,778,064		0	82,957	5	82,957	5
2004	2,014,932		0	145,120	7	145,120	7
2005	5,410		0		0		0
2006	4,115,720		0	149,357	4	149,357	4
2007	2,007,620		0	142,262	7	142,262	7
2008	807,405		0	72,410	9	72,410	9
2009	710,667		0	61,274	9	61,274	9
2010	1,438,358		0	73,014	5	73,014	5
2011	402,534		0	96,845	24	96,845	24
2012	713,718	124,957-	18-	37,562	5	162,519	23
2013	325,193	59,476-	18-		0	59,476	18
2014	381,453		0	2,685	1	2,685	1
2015	1,558,678		0	166,898	11	166,898	11
2016	372,976		0	165,745	44	165,745	44
2017	1,750,916	19,430-	1-	85,258	5	104,688	6
2018	531,721		0	102,907	19	102,907	19
2019	3,831,166		0	233,621	6	233,621	6
TOTAL	43,501,856	203,863-	0	4,469,926	10	4,673,789	11

THREE-YEAR MOVING AVERAGES

86-88	638,691		0	109,856	17	109,856	17
87-89	1,268,673		0	221,593	17	221,593	17
88-90	1,129,455		0	183,246	16	183,246	16

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 392.10, 392.20, 392.30 AND 392.40 TRANSPORTATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
89-91	1,558,866		0	202,243	13	202,243	13
90-92	1,530,241		0	175,623	11	175,623	11
91-93	1,718,790		0	221,265	13	221,265	13
92-94	1,273,071		0	208,175	16	208,175	16
93-95	1,290,448		0	212,868	16	212,868	16
94-96	760,038		0	125,863	17	125,863	17
95-97	1,613,632		0	201,599	12	201,599	12
96-98	971,178		0	109,761	11	109,761	11
97-99	1,176,760		0	195,800	17	195,800	17
98-00	1,693,585		0	187,980	11	187,980	11
99-01	1,704,693		0	222,307	13	222,307	13
00-02	1,628,600		0	142,758	9	142,758	9
01-03	733,285		0	68,470	9	68,470	9
02-04	1,393,821		0	82,517	6	82,517	6
03-05	1,266,135		0	76,026	6	76,026	6
04-06	2,045,354		0	98,159	5	98,159	5
05-07	2,042,917		0	97,207	5	97,207	5
06-08	2,310,248		0	121,343	5	121,343	5
07-09	1,175,231		0	91,982	8	91,982	8
08-10	985,477		0	68,899	7	68,899	7
09-11	850,520		0	77,044	9	77,044	9
10-12	851,537	41,652-	5-	69,141	8	110,793	13
11-13	480,482	61,478-	13-	44,803	9	106,280	22
12-14	473,455	61,478-	13-	13,416	3	74,893	16
13-15	755,108	19,825-	3-	56,528	7	76,353	10
14-16	771,036		0	111,776	14	111,776	14
15-17	1,227,523	6,477-	1-	139,300	11	145,777	12
16-18	885,204	6,477-	1-	117,970	13	124,447	14
17-19	2,037,934	6,477-	0	140,595	7	147,072	7
FIVE-YEAR AVERAGE							
15-19	1,609,091	3,886-	0	150,886	9	154,772	10

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 396.00 AND 396.10 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1987	76,616		0	39,587	52	39,587	52
1988	18,216		0	8,217	45	8,217	45
1989	5,477		0	2,432	44	2,432	44
1990	60,488		0		0		0
1991	818		0	556	68	556	68
1992	76,779		0	3,423	4	3,423	4
1993	34,213		0	4,600	13	4,600	13
1994							
1995	170,300		0	62,412	37	62,412	37
1996							
1997	82,816		0	20,928	25	20,928	25
1998							
1999	43,561		0	14,255	33	14,255	33
2000	177,859		0	12,873	7	12,873	7
2001	4,039		0	3,997	99	3,997	99
2002							
2003	491,516		0	52,260	11	52,260	11
2004	40,425-		0	71,896	178-	71,896	178-
2005	139,432		0	29,500	21	29,500	21
2006	394,996		0	50,196	13	50,196	13
2007	248,957		0	60,525	24	60,525	24
2008	87,639		0	375	0	375	0
2009	41,612		0	3,075	7	3,075	7
2010	42,732		0		0		0
2011							
2012	57,994		0		0		0
2013							
2014							
2015	40,387		0		0		0
2016							
2017	13,613		0		0		0
2018	65,136		0		0		0
2019	63,265		0		0		0
TOTAL	2,398,036		0	441,108	18	441,108	18

THREE-YEAR MOVING AVERAGES

87-89	33,436	0	16,745	50	16,745	50
88-90	28,060	0	3,550	13	3,550	13
89-91	22,261	0	996	4	996	4
90-92	46,028	0	1,326	3	1,326	3

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC, GAS AND COMMON PLANT

ACCOUNTS 396.00 AND 396.10 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
THREE-YEAR MOVING AVERAGES							
91-93	37,270		0	2,860	8	2,860	8
92-94	36,998		0	2,674	7	2,674	7
93-95	68,171		0	22,338	33	22,338	33
94-96	56,767		0	20,804	37	20,804	37
95-97	84,372		0	27,780	33	27,780	33
96-98	27,605		0	6,976	25	6,976	25
97-99	42,126		0	11,728	28	11,728	28
98-00	73,807		0	9,043	12	9,043	12
99-01	75,153		0	10,375	14	10,375	14
00-02	60,633		0	5,623	9	5,623	9
01-03	165,185		0	18,752	11	18,752	11
02-04	150,364		0	41,385	28	41,385	28
03-05	196,841		0	51,219	26	51,219	26
04-06	164,668		0	50,531	31	50,531	31
05-07	261,128		0	46,740	18	46,740	18
06-08	243,864		0	37,032	15	37,032	15
07-09	126,069		0	21,325	17	21,325	17
08-10	57,328		0	1,150	2	1,150	2
09-11	28,115		0	1,025	4	1,025	4
10-12	33,575		0		0		0
11-13	19,331		0		0		0
12-14	19,331		0		0		0
13-15	13,462		0		0		0
14-16	13,462		0		0		0
15-17	18,000		0		0		0
16-18	26,250		0		0		0
17-19	47,338		0		0		0
FIVE-YEAR AVERAGE							
15-19	36,480		0		0		0

PART IX. DETAILED DEPRECIATION CALCULATIONS

ELECTRIC PLANT

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 350.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-R3							
NET SALVAGE PERCENT.. 0							
1912	18,315.77	70.00	1.43	261.92	2.58	0.9631	17,641
1914	281.40	70.00	1.43	4.02	3.08	0.9560	269
1916	10,806.42	70.00	1.43	154.53	3.59	0.9487	10,252
1917	32,619.30	70.00	1.43	466.46	3.85	0.9450	30,825
1919	19,993.97	70.00	1.43	285.91	4.36	0.9377	18,749
1920	582.43	70.00	1.43	8.33	4.62	0.9340	544
1921	4,364.92	70.00	1.43	62.42	4.87	0.9304	4,061
1922	466.57	70.00	1.43	6.67	5.13	0.9267	432
1923	11,525.93	70.00	1.43	164.82	5.39	0.9230	10,638
1924	22,159.51	70.00	1.43	316.88	5.65	0.9193	20,371
1925	30,415.56	70.00	1.43	434.94	5.91	0.9156	27,848
1926	90,671.79	70.00	1.43	1,296.61	6.16	0.9120	82,693
1927	28,042.97	70.00	1.43	401.01	6.43	0.9081	25,467
1928	151,905.93	70.00	1.43	2,172.25	6.69	0.9044	137,388
1929	715.50	70.00	1.43	10.23	6.95	0.9007	644
1930	19,532.38	70.00	1.43	279.31	7.22	0.8969	17,518
1931	381,326.11	70.00	1.43	5,452.96	7.49	0.8930	340,524
1933	20.00	70.00	1.43	0.29	8.05	0.8850	18
1936	7,313.58	70.00	1.43	104.58	8.94	0.8723	6,380
1940	137.84	70.00	1.43	1.97	10.25	0.8536	118
1941	920.59	70.00	1.43	13.16	10.61	0.8484	781
1943	536.75	70.00	1.43	7.68	11.35	0.8379	450
1945	1,740.50	70.00	1.43	24.89	12.15	0.8264	1,438
1947	8,948.29	70.00	1.43	127.96	12.99	0.8144	7,288
1948	240.28	70.00	1.43	3.44	13.43	0.8081	194
1949	189,401.14	70.00	1.43	2,708.44	13.89	0.8016	151,818
1950	101,794.00	70.00	1.43	1,455.65	14.36	0.7949	80,912
1951	55,351.47	70.00	1.43	791.53	14.84	0.7880	43,617
1952	114,161.82	70.00	1.43	1,632.51	15.34	0.7809	89,144
1953	1,394.89	70.00	1.43	19.95	15.85	0.7736	1,079
1955	56,064.75	70.00	1.43	801.73	16.91	0.7584	42,521
1956	86,951.74	70.00	1.43	1,243.41	17.46	0.7506	65,263
1957	325,871.99	70.00	1.43	4,659.97	18.03	0.7424	241,937
1958	53,506.31	70.00	1.43	765.14	18.60	0.7343	39,289
1959	35,552.89	70.00	1.43	508.41	19.19	0.7259	25,806
1960	70,895.84	70.00	1.43	1,013.81	19.79	0.7173	50,853
1961	121,464.63	70.00	1.43	1,736.94	20.41	0.7084	86,049
1962	316.70	70.00	1.43	4.53	21.03	0.6996	222
1963	46,943.64	70.00	1.43	671.29	21.67	0.6904	32,411
1965	292,748.41	70.00	1.43	4,186.30	22.98	0.6717	196,642
1966	14,448.11	70.00	1.43	206.61	23.65	0.6621	9,567

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 350.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-R3							
NET SALVAGE PERCENT.. 0							
1967	8,432.54	70.00	1.43	120.59	24.33	0.6524	5,502
1968	27,042.35	70.00	1.43	386.71	25.02	0.6426	17,377
1969	67,268.38	70.00	1.43	961.94	25.72	0.6326	42,552
1970	57,743.98	70.00	1.43	825.74	26.43	0.6224	35,942
1971	946,009.23	70.00	1.43	13,527.93	27.14	0.6123	579,232
1972	458,179.30	70.00	1.43	6,551.96	27.87	0.6019	275,760
1973	672.26	70.00	1.43	9.61	28.61	0.5913	398
1974	93,703.04	70.00	1.43	1,339.95	29.35	0.5807	54,414
1975	164,082.45	70.00	1.43	2,346.38	30.11	0.5699	93,504
1976	354,357.36	70.00	1.43	5,067.31	30.87	0.5590	198,086
1977	3,269.76	70.00	1.43	46.76	31.64	0.5480	1,792
1978	97,261.69	70.00	1.43	1,390.84	32.42	0.5369	52,216
1979	188,210.14	70.00	1.43	2,691.41	33.20	0.5257	98,944
1980	5,005.08	70.00	1.43	71.57	33.99	0.5144	2,575
1981	1,166,060.63	70.00	1.43	16,674.67	34.79	0.5030	586,528
1982	55,779.18	70.00	1.43	797.64	35.60	0.4914	27,412
1983	15,733.35	70.00	1.43	224.99	36.42	0.4797	7,547
1984	12,242.12	70.00	1.43	175.06	37.24	0.4680	5,729
1985	3,589.64	70.00	1.43	51.33	38.07	0.4561	1,637
1986	23,199.82	70.00	1.43	331.76	38.91	0.4441	10,304
1987	550,033.79	70.00	1.43	7,865.48	39.75	0.4321	237,692
1990	64,444.29	70.00	1.43	921.55	42.32	0.3954	25,483
1991	509,636.34	70.00	1.43	7,287.80	43.19	0.3830	195,191
1992	252,385.35	70.00	1.43	3,609.11	44.07	0.3704	93,491
1993	325.08	70.00	1.43	4.65	44.95	0.3579	116
1996	8,550.20	70.00	1.43	122.27	47.63	0.3196	2,732
1998	7,865.22	70.00	1.43	112.47	49.45	0.2936	2,309
1999	486,903.42	70.00	1.43	6,962.72	50.36	0.2806	136,610
2001	8,012.47	70.00	1.43	114.58	52.21	0.2541	2,036
	8,046,451.08			115,064.24			4,712,772

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.43

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -15							
1927	291.20	65.00	1.54	5.16	10.67	0.8359	280
1928	72,029.27	65.00	1.54	1,275.64	10.97	0.8312	68,854
1929	1,382.57	65.00	1.54	24.49	11.28	0.8265	1,314
1930	1,168.32	65.00	1.54	20.69	11.58	0.8219	1,104
1941	480.05	65.00	1.54	8.50	15.27	0.7651	422
1942	202.11	65.00	1.54	3.58	15.64	0.7594	177
1948	16,721.54	65.00	1.54	296.14	18.01	0.7229	13,902
1949	1,950.82	65.00	1.54	34.55	18.43	0.7165	1,607
1952	489.86	65.00	1.54	8.68	19.75	0.6962	392
1954	24,228.70	65.00	1.54	429.09	20.66	0.6822	19,007
1955	2,696.06	65.00	1.54	47.75	21.13	0.6749	2,093
1956	1,810.57	65.00	1.54	32.07	21.61	0.6675	1,390
1957	139.55	65.00	1.54	2.47	22.09	0.6602	106
1958	64.10	65.00	1.54	1.14	22.59	0.6525	48
1959	28,234.57	65.00	1.54	500.03	23.09	0.6448	20,936
1960	22,321.91	65.00	1.54	395.32	23.60	0.6369	16,350
1961	27,006.64	65.00	1.54	478.29	24.12	0.6289	19,533
1962	1,710.55	65.00	1.54	30.29	24.64	0.6209	1,221
1964	23,508.53	65.00	1.54	416.34	25.72	0.6043	16,337
1965	3,770.96	65.00	1.54	66.78	26.27	0.5959	2,584
1966	5,162.52	65.00	1.54	91.43	26.83	0.5872	3,486
1968	12,904.70	65.00	1.54	228.54	27.96	0.5699	8,457
1969	950.28	65.00	1.54	16.83	28.54	0.5609	613
1970	64,634.16	65.00	1.54	1,144.67	29.13	0.5519	41,019
1971	806,702.31	65.00	1.54	14,286.70	29.72	0.5428	503,532
1972	578,854.44	65.00	1.54	10,251.51	30.32	0.5335	355,168
1973	26,426.38	65.00	1.54	468.01	30.93	0.5242	15,929
1974	246,871.12	65.00	1.54	4,372.09	31.55	0.5146	146,102
1975	32,033.82	65.00	1.54	567.32	32.17	0.5051	18,607
1976	261,477.62	65.00	1.54	4,630.77	32.80	0.4954	148,960
1977	105,088.65	65.00	1.54	1,861.12	33.43	0.4857	58,697
1978	7,359.68	65.00	1.54	130.34	34.08	0.4757	4,026
1979	1,805.38	65.00	1.54	31.97	34.72	0.4659	967
1980	66,876.06	65.00	1.54	1,184.38	35.38	0.4557	35,046
1981	290,371.11	65.00	1.54	5,142.47	36.04	0.4455	148,778
1982	415,938.44	65.00	1.54	7,366.27	36.71	0.4352	208,183
1984	5,052.29	65.00	1.54	89.48	38.06	0.4145	2,408
1985	92,586.65	65.00	1.54	1,639.71	38.74	0.4040	43,016
1987	23,259.71	65.00	1.54	411.93	40.13	0.3826	10,235
1989	445,705.46	65.00	1.54	7,893.44	41.53	0.3611	185,076
1990	108,692.30	65.00	1.54	1,924.94	42.24	0.3502	43,767

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 352.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -15							
1991	7,861.91	65.00	1.54	139.23	42.96	0.3391	3,066
1992	330.59	65.00	1.54	5.85	43.68	0.3280	125
1994	4,693.90	65.00	1.54	83.13	45.13	0.3057	1,650
1995	183,830.10	65.00	1.54	3,255.63	45.86	0.2945	62,250
1996	4,635.78	65.00	1.54	82.10	46.60	0.2831	1,509
1997	10,643.96	65.00	1.54	188.50	47.34	0.2717	3,326
1998	4,513.17	65.00	1.54	79.93	48.08	0.2603	1,351
2000	205,259.75	65.00	1.54	3,635.15	49.59	0.2371	55,962
2001	193,923.16	65.00	1.54	3,434.38	50.34	0.2255	50,298
2002	400,589.31	65.00	1.54	7,094.44	51.10	0.2139	98,516
2003	26,924.99	65.00	1.54	476.84	51.87	0.2020	6,255
2004	514,516.57	65.00	1.54	9,112.09	52.64	0.1902	112,511
2005	820,623.91	65.00	1.54	14,533.25	53.41	0.1783	168,274
2006	128,837.10	65.00	1.54	2,281.71	54.18	0.1665	24,663
2007	141,261.92	65.00	1.54	2,501.75	54.96	0.1545	25,092
2008	245,533.74	65.00	1.54	4,348.40	55.74	0.1425	40,226
2009	40,244.71	65.00	1.54	712.73	56.53	0.1303	6,031
2010	321,303.11	65.00	1.54	5,690.28	57.32	0.1182	43,656
2011	1,455,595.09	65.00	1.54	25,778.59	58.11	0.1060	177,437
2012	139,037.89	65.00	1.54	2,462.36	58.91	0.0937	14,980
2013	43,927.59	65.00	1.54	777.96	59.71	0.0814	4,111
2015	554,389.88	65.00	1.54	9,818.24	61.32	0.0566	36,098
2016	1,889,649.49	65.00	1.54	33,465.69	62.13	0.0442	95,942
2017	520,432.15	65.00	1.54	9,216.85	62.95	0.0315	18,877
2018	85,099.62	65.00	1.54	1,507.11	63.77	0.0189	1,852
2019	38,109.90	65.00	1.54	674.93	64.59	0.0063	277
	11,810,730.25			209,168.04			3,224,064
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.77							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R1							
NET SALVAGE PERCENT.. -20							
1924	683.00	45.00				1.0000	820
1925	6,168.13	45.00				1.0000	7,402
1927	23,646.43	45.00				1.0000	28,376
1928	34,427.56	45.00				1.0000	41,313
1929	429.06	45.00				1.0000	515
1930	63,978.93	45.00	2.22	1,704.40	0.34	0.9924	76,194
1931	19,441.61	45.00	2.22	517.92	0.64	0.9858	22,998
1936	286.93	45.00	2.22	7.64	2.32	0.9484	327
1937	992.44	45.00	2.22	26.44	2.64	0.9413	1,121
1938	239.60	45.00	2.22	6.38	2.95	0.9344	269
1939	4,320.07	45.00	2.22	115.09	3.25	0.9278	4,810
1940	104.73	45.00	2.22	2.79	3.54	0.9213	116
1941	16.31	45.00	2.22	0.43	3.84	0.9147	18
1942	1,182.95	45.00	2.22	31.51	4.13	0.9082	1,289
1943	33.27	45.00	2.22	0.89	4.43	0.9016	36
1944	3,646.51	45.00	2.22	97.14	4.74	0.8947	3,915
1945	2,429.53	45.00	2.22	64.72	5.04	0.8880	2,589
1947	1,044.78	45.00	2.22	27.83	5.67	0.8740	1,096
1948	12,074.05	45.00	2.22	321.65	5.98	0.8671	12,563
1949	63,031.48	45.00	2.22	1,679.16	6.31	0.8598	65,032
1950	8,040.64	45.00	2.22	214.20	6.64	0.8524	8,225
1951	2,238.88	45.00	2.22	59.64	6.97	0.8451	2,271
1952	341,931.28	45.00	2.22	9,109.05	7.31	0.8376	343,666
1954	65,259.40	45.00	2.22	1,738.51	8.00	0.8222	64,389
1955	10,209.93	45.00	2.22	271.99	8.36	0.8142	9,976
1956	47,316.81	45.00	2.22	1,260.52	8.72	0.8062	45,777
1957	84,401.28	45.00	2.22	2,248.45	9.09	0.7980	80,823
1958	14,369.01	45.00	2.22	382.79	9.46	0.7898	13,618
1959	164,265.67	45.00	2.22	4,376.04	9.84	0.7813	154,015
1960	979.04	45.00	2.22	26.08	10.22	0.7729	908
1961	245,518.66	45.00	2.22	6,540.62	10.61	0.7642	225,156
1962	3,501.09	45.00	2.22	93.27	11.01	0.7553	3,173
1963	642.67	45.00	2.22	17.12	11.41	0.7464	576
1964	434,358.00	45.00	2.22	11,571.30	11.82	0.7373	384,318
1965	380,488.75	45.00	2.22	10,136.22	12.24	0.7280	332,395
1966	151,792.73	45.00	2.22	4,043.76	12.66	0.7187	130,907
1967	19,437.41	45.00	2.22	517.81	13.09	0.7091	16,540
1968	113,128.47	45.00	2.22	3,013.74	13.52	0.6996	94,968
1969	333,660.76	45.00	2.22	8,888.72	13.96	0.6898	276,183
1970	1,776,848.72	45.00	2.22	47,335.25	14.41	0.6798	1,449,439
1971	3,272,319.79	45.00	2.22	87,174.60	14.87	0.6696	2,629,217

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R1							
NET SALVAGE PERCENT.. -20							
1972	1,272,863.32	45.00	2.22	33,909.08	15.33	0.6593	1,007,084
1973	829,775.19	45.00	2.22	22,105.21	15.81	0.6487	645,900
1974	1,244,038.94	45.00	2.22	33,141.20	16.28	0.6382	952,765
1975	206.25	45.00	2.22	5.49	16.77	0.6273	155
1976	1,233,401.00	45.00	2.22	32,857.80	17.26	0.6164	912,381
1977	346,800.41	45.00	2.22	9,238.76	17.77	0.6051	251,823
1978	49,536.28	45.00	2.22	1,319.65	18.27	0.5940	35,309
1979	554,221.36	45.00	2.22	14,764.46	18.79	0.5824	387,361
1980	636,502.62	45.00	2.22	16,956.43	19.32	0.5707	435,880
1981	2,453,727.47	45.00	2.22	65,367.30	19.85	0.5589	1,645,636
1982	4,240,021.29	45.00	2.22	112,954.17	20.39	0.5469	2,782,590
1983	103,627.08	45.00	2.22	2,760.63	20.93	0.5349	66,515
1984	21,450.61	45.00	2.22	571.44	21.49	0.5224	13,448
1985	355,344.64	45.00	2.22	9,466.38	22.05	0.5100	217,471
1986	52,634.45	45.00	2.22	1,402.18	22.62	0.4973	31,412
1987	90,709.71	45.00	2.22	2,416.51	23.20	0.4844	52,732
1988	17,499.39	45.00	2.22	466.18	23.79	0.4713	9,898
1989	1,897,475.27	45.00	2.22	50,548.74	24.38	0.4582	1,043,353
1990	417,432.58	45.00	2.22	11,120.40	24.98	0.4449	222,854
1991	1,124,063.81	45.00	2.22	29,945.06	25.59	0.4313	581,811
1992	95,106.20	45.00	2.22	2,533.63	26.20	0.4178	47,680
1993	237,384.10	45.00	2.22	6,323.91	26.82	0.4040	115,084
1994	110,283.96	45.00	2.22	2,937.96	27.45	0.3900	51,613
1995	472,447.75	45.00	2.22	12,586.01	28.09	0.3758	213,044
1996	334,726.20	45.00	2.22	8,917.11	28.73	0.3616	145,228
1997	106,408.20	45.00	2.22	2,834.71	29.37	0.3473	44,351
1998	230,488.90	45.00	2.22	6,140.22	30.02	0.3329	92,073
1999	832,597.50	45.00	2.22	22,180.40	30.68	0.3182	317,939
2000	1,889,751.38	45.00	2.22	50,342.98	31.34	0.3036	688,384
2001	14,127,873.91	45.00	2.22	376,366.56	32.00	0.2889	4,897,682
2002	3,359,607.70	45.00	2.22	89,499.95	32.67	0.2740	1,104,639
2003	982,739.43	45.00	2.22	26,180.18	33.35	0.2589	305,306
2004	173,839.85	45.00	2.22	4,631.09	34.02	0.2440	50,900
2005	1,663,143.41	45.00	2.22	44,306.14	34.70	0.2289	456,812
2006	1,632,833.57	45.00	2.22	43,498.69	35.39	0.2136	418,450
2007	1,439,033.21	45.00	2.22	38,335.84	36.07	0.1984	342,674
2008	1,897,935.42	45.00	2.22	50,561.00	36.76	0.1831	417,037
2009	1,904,595.65	45.00	2.22	50,738.43	37.46	0.1676	382,961
2010	496,668.63	45.00	2.22	13,231.25	38.15	0.1522	90,723
2011	20,275,524.36	45.00	2.22	540,139.97	38.86	0.1364	3,319,671
2012	1,907,501.02	45.00	2.22	50,815.83	39.56	0.1209	276,717

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 353.00 STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R1							
NET SALVAGE PERCENT.. -20							
2013	3,528,625.90	45.00	2.22	94,002.59	40.27	0.1051	445,073
2014	619,462.04	45.00	2.22	16,502.47	40.99	0.0891	66,240
2015	829,930.19	45.00	2.22	22,109.34	41.71	0.0731	72,811
2016	13,923,485.45	45.00	2.22	370,921.65	42.43	0.0571	954,204
2017	4,287,191.58	45.00	2.22	114,210.78	43.16	0.0409	210,364
2018	10,253,777.32	45.00	2.22	273,160.63	43.89	0.0247	303,553
2019	11,800,398.12	45.00	2.22	314,362.61	44.63	0.0082	116,399
	124,063,578.98			3,303,312.67			33,781,329
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.66							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 354.00 TOWERS AND FIXTURES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-R4							
NET SALVAGE PERCENT.. -30							
1925	2,978.74	70.00	1.43	55.37	2.65	0.9621	3,726
1929	203,539.80	70.00	1.43	3,783.80	3.64	0.9480	250,842
1930	251,661.35	70.00	1.43	4,678.38	3.90	0.9443	308,934
1931	16,928.71	70.00	1.43	314.70	4.16	0.9406	20,699
1934	4,634.80	70.00	1.43	86.16	4.96	0.9291	5,598
1946	950.56	70.00	1.43	17.67	8.75	0.8750	1,081
1950	1,343.29	70.00	1.43	24.97	10.48	0.8503	1,485
1952	86,269.72	70.00	1.43	1,603.75	11.48	0.8360	93,758
1953	369,860.11	70.00	1.43	6,875.70	12.01	0.8284	398,324
1954	16,221.48	70.00	1.43	301.56	12.57	0.8204	17,301
1956	672,116.35	70.00	1.43	12,494.64	13.76	0.8034	701,998
1958	136,291.31	70.00	1.43	2,533.66	15.02	0.7854	139,161
1959	70,932.70	70.00	1.43	1,318.64	15.67	0.7761	71,570
1961	65,158.50	70.00	1.43	1,211.30	17.01	0.7570	64,122
1962	19,264.40	70.00	1.43	358.13	17.70	0.7471	18,711
1963	593.32	70.00	1.43	11.03	18.39	0.7373	569
1966	694.25	70.00	1.43	12.91	20.54	0.7066	638
1967	132,234.60	70.00	1.43	2,458.24	21.28	0.6960	119,646
1968	57,534.30	70.00	1.43	1,069.56	22.03	0.6853	51,256
1969	258,972.00	70.00	1.43	4,814.29	22.78	0.6746	227,103
1971	478,978.22	70.00	1.43	8,904.21	24.33	0.6524	406,250
1972	620,205.88	70.00	1.43	11,529.63	25.12	0.6411	516,930
1973	11,120.02	70.00	1.43	206.72	25.93	0.6296	9,101
1974	512,823.99	70.00	1.43	9,533.40	26.74	0.6180	412,003
1978	3,527.62	70.00	1.43	65.58	30.09	0.5701	2,615
1992	519,396.31	70.00	1.43	9,655.58	42.86	0.3877	261,788
1994	776.69	70.00	1.43	14.44	44.78	0.3603	364
1996	65,444.06	70.00	1.43	1,216.61	46.71	0.3327	28,306
2010	131,145.32	70.00	1.43	2,437.99	60.52	0.1354	23,089
2014	4,235,219.20	70.00	1.43	78,732.72	64.51	0.0784	431,819
2015	5,380.94	70.00	1.43	100.03	65.51	0.0641	449
2016	388,402.77	70.00	1.43	7,220.41	66.50	0.0500	25,246
2019	940,431.69	70.00	1.43	17,482.63	69.50	0.0071	8,729
10,281,033.00				191,124.41	4,623,211		

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.86

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 355.00 POLES AND FIXTURES - WOOD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 60-R3							
NET SALVAGE PERCENT.. -50							
1927	1,725.00	60.00	1.67	43.21	2.13	0.9645	2,496
1929	3,577.95	60.00	1.67	89.63	2.63	0.9562	5,132
1930	521.76	60.00	1.67	13.07	2.88	0.9520	745
1932	50.24	60.00	1.67	1.26	3.39	0.9435	71
1935	5,006.77	60.00	1.67	125.42	4.16	0.9307	6,989
1936	122.20	60.00	1.67	3.06	4.42	0.9263	170
1938	866.50	60.00	1.67	21.71	4.93	0.9178	1,193
1939	1,727.52	60.00	1.67	43.27	5.19	0.9135	2,367
1940	41.30	60.00	1.67	1.03	5.45	0.9092	56
1941	26.33	60.00	1.67	0.66	5.71	0.9048	36
1943	8.27	60.00	1.67	0.21	6.25	0.8958	11
1945	362.43	60.00	1.67	9.08	6.80	0.8867	482
1946	5,008.39	60.00	1.67	125.46	7.09	0.8818	6,625
1947	3,977.10	60.00	1.67	99.63	7.38	0.8770	5,232
1948	3,138.12	60.00	1.67	78.61	7.69	0.8718	4,104
1950	191.79	60.00	1.67	4.80	8.33	0.8612	248
1951	1,517.29	60.00	1.67	38.01	8.67	0.8555	1,947
1952	81.04	60.00	1.67	2.03	9.02	0.8497	103
1953	7,707.70	60.00	1.67	193.08	9.38	0.8437	9,754
1954	385.44	60.00	1.67	9.66	9.76	0.8373	484
1955	51,455.38	60.00	1.67	1,288.96	10.15	0.8308	64,126
1956	288.41	60.00	1.67	7.22	10.56	0.8240	356
1957	3,518.75	60.00	1.67	88.14	10.98	0.8170	4,312
1958	12,992.96	60.00	1.67	325.47	11.42	0.8097	15,780
1959	66,765.08	60.00	1.67	1,672.47	11.87	0.8022	80,335
1960	5,174.60	60.00	1.67	129.62	12.34	0.7943	6,166
1961	178,891.02	60.00	1.67	4,481.22	12.83	0.7862	210,958
1962	44,939.98	60.00	1.67	1,125.75	13.33	0.7778	52,433
1963	20,389.38	60.00	1.67	510.75	13.85	0.7692	23,524
1964	20,514.87	60.00	1.67	513.90	14.38	0.7603	23,397
1965	4,198.18	60.00	1.67	105.16	14.93	0.7512	4,730
1966	1,229.08	60.00	1.67	30.79	15.49	0.7418	1,368
1967	337,488.24	60.00	1.67	8,454.08	16.07	0.7322	370,648
1968	186,415.54	60.00	1.67	4,669.71	16.66	0.7223	201,980
1969	150,044.08	60.00	1.67	3,758.60	17.27	0.7122	160,285
1971	642,118.26	60.00	1.67	16,085.06	18.53	0.6912	665,719
1972	1,177,417.60	60.00	1.67	29,494.31	19.18	0.6803	1,201,549
1973	16,630.66	60.00	1.67	416.60	19.84	0.6693	16,697
1974	3,648,305.52	60.00	1.67	91,390.05	20.51	0.6582	3,601,808
1975	332,418.67	60.00	1.67	8,327.09	21.19	0.6468	322,528
1976	179,690.39	60.00	1.67	4,501.24	21.89	0.6352	171,201

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 355.00 POLES AND FIXTURES - WOOD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 60-R3							
NET SALVAGE PERCENT.. -50							
1977	18,101.55	60.00	1.67	453.44	22.60	0.6233	16,925
1978	6,813.27	60.00	1.67	170.67	23.32	0.6113	6,248
1979	130.00	60.00	1.67	3.26	24.05	0.5992	117
1980	14,585.70	60.00	1.67	365.37	24.79	0.5868	12,839
1981	2,094,510.53	60.00	1.67	52,467.49	25.53	0.5745	1,804,944
1982	40,291.04	60.00	1.67	1,009.29	26.29	0.5618	33,955
1983	83,604.18	60.00	1.67	2,094.28	27.06	0.5490	68,848
1984	55,121.23	60.00	1.67	1,380.79	27.84	0.5360	44,317
1985	261,609.34	60.00	1.67	6,553.31	28.63	0.5228	205,166
1986	7,551.42	60.00	1.67	189.16	29.42	0.5097	5,773
1987	5,668.99	60.00	1.67	142.01	30.23	0.4962	4,219
1988	183,789.13	60.00	1.67	4,603.92	31.04	0.4827	133,064
1989	71,737.06	60.00	1.67	1,797.01	31.86	0.4690	50,467
1990	91,722.72	60.00	1.67	2,297.65	32.69	0.4552	62,624
1991	38,785.37	60.00	1.67	971.57	33.53	0.4412	25,666
1992	326,083.65	60.00	1.67	8,168.40	34.38	0.4270	208,857
1993	100,426.67	60.00	1.67	2,515.69	35.23	0.4128	62,189
1994	104,984.55	60.00	1.67	2,629.86	36.09	0.3985	62,755
1995	5,997.92	60.00	1.67	150.25	36.96	0.3840	3,455
1996	130,213.52	60.00	1.67	3,261.85	37.84	0.3693	72,138
1997	86,343.23	60.00	1.67	2,162.90	38.72	0.3547	45,935
1998	76,438.85	60.00	1.67	1,914.79	39.61	0.3398	38,964
1999	194,634.31	60.00	1.67	4,875.59	40.51	0.3248	94,835
2000	7,607.86	60.00	1.67	190.58	41.41	0.3098	3,536
2001	8,041.63	60.00	1.67	201.44	42.32	0.2947	3,554
2002	64,835.39	60.00	1.67	1,624.13	43.24	0.2793	27,166
2003	127,253.21	60.00	1.67	3,187.69	44.16	0.2640	50,392
2004	194,644.25	60.00	1.67	4,875.84	45.08	0.2487	72,603
2005	194,135.96	60.00	1.67	4,863.11	46.02	0.2330	67,851
2006	8,412,396.59	60.00	1.67	210,730.53	46.96	0.2173	2,742,399
2007	3,071,002.03	60.00	1.67	76,928.60	47.90	0.2017	928,993
2008	7,219,701.45	60.00	1.67	180,853.52	48.85	0.1858	2,012,456
2009	292,794.41	60.00	1.67	7,334.50	49.80	0.1700	74,663
2010	366,692.14	60.00	1.67	9,185.64	50.75	0.1542	84,799
2011	1,907,742.77	60.00	1.67	47,788.96	51.71	0.1382	395,389
2012	3,636,248.03	60.00	1.67	91,088.01	52.68	0.1220	665,433
2013	346,056.95	60.00	1.67	8,668.73	53.64	0.1060	55,023
2014	6,600,581.89	60.00	1.67	165,344.58	54.62	0.0897	887,811
2015	1,262,615.46	60.00	1.67	31,628.52	55.59	0.0735	139,203
2016	2,309,121.14	60.00	1.67	57,843.48	56.56	0.0573	198,573

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 355.00 POLES AND FIXTURES - WOOD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 60-R3							
NET SALVAGE PERCENT.. -50							
2017	225,662.94	60.00	1.67	5,652.86	57.54	0.0410	13,878
2018	59,425.17	60.00	1.67	1,488.60	58.52	0.0247	2,199
2019	246,269.88	60.00	1.67	6,169.06	59.51	0.0082	3,018
	47,668,903.17			1,194,106.01			18,741,384
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.50							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 355.10 POLES AND FIXTURES - STEEL

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 60-R3							
NET SALVAGE PERCENT.. -50							
1969	67,197.32	60.00	1.67	1,683.29	17.27	0.7122	71,784
1971	2,530,058.17	60.00	1.67	63,377.96	18.53	0.6912	2,623,050
1972	1,338,330.51	60.00	1.67	33,525.18	19.18	0.6803	1,365,760
1974	1,455,891.77	60.00	1.67	36,470.09	20.51	0.6582	1,437,336
1975	232,096.13	60.00	1.67	5,814.01	21.19	0.6468	225,190
1976	639,160.20	60.00	1.67	16,010.96	21.89	0.6352	608,963
1977	71.41	60.00	1.67	1.79	22.60	0.6233	67
1979	83,868.47	60.00	1.67	2,100.91	24.05	0.5992	75,377
1981	187.76	60.00	1.67	4.70	25.53	0.5745	162
1992	744,979.17	60.00	1.67	18,661.73	34.38	0.4270	477,159
1993	361,549.08	60.00	1.67	9,056.80	35.23	0.4128	223,887
1994	68,160.85	60.00	1.67	1,707.43	36.09	0.3985	40,743
1995	138,594.58	60.00	1.67	3,471.79	36.96	0.3840	79,830
1996	297,803.48	60.00	1.67	7,459.98	37.84	0.3693	164,982
1997	494,475.32	60.00	1.67	12,386.61	38.72	0.3547	263,063
1998	177,313.29	60.00	1.67	4,441.70	39.61	0.3398	90,385
1999	794,000.32	60.00	1.67	19,889.71	40.51	0.3248	386,873
2000	2,845.46	60.00	1.67	71.28	41.41	0.3098	1,322
2001	848,390.04	60.00	1.67	21,252.17	42.32	0.2947	374,993
2002	978,293.67	60.00	1.67	24,506.26	43.24	0.2793	409,900
2003	914,749.52	60.00	1.67	22,914.48	44.16	0.2640	362,241
2004	5,193.72	60.00	1.67	130.10	45.08	0.2487	1,937
2006	1,545,828.05	60.00	1.67	38,722.99	46.96	0.2173	503,932
2007	2,710,230.60	60.00	1.67	67,891.28	47.90	0.2017	819,858
2008	2,232,336.09	60.00	1.67	55,920.02	48.85	0.1858	622,253
2009	412,632.59	60.00	1.67	10,336.45	49.80	0.1700	105,221
2011	5,209,496.20	60.00	1.67	130,497.88	51.71	0.1382	1,079,694
2012	799,877.52	60.00	1.67	20,036.93	52.68	0.1220	146,378
2014	749,317.26	60.00	1.67	18,770.40	54.62	0.0897	100,787
2015	176,491.80	60.00	1.67	4,421.12	55.59	0.0735	19,458
2017	40,031.82	60.00	1.67	1,002.80	57.54	0.0410	2,462
2018	7,499,972.52	60.00	1.67	187,874.31	58.52	0.0247	277,536
2019	940,431.69	60.00	1.67	23,557.81	59.51	0.0082	11,525
34,489,856.38				863,970.92	12,974,108		

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.51

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 356.00 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -20							
1922	10.20	65.00	1.54	0.19	9.23	0.8580	11
1923	246.97	65.00	1.54	4.56	9.51	0.8537	253
1924	1,206.10	65.00	1.54	22.29	9.79	0.8494	1,229
1925	4,021.76	65.00	1.54	74.32	10.08	0.8449	4,078
1926	1,199.20	65.00	1.54	22.16	10.38	0.8403	1,209
1927	9,481.62	65.00	1.54	175.22	10.67	0.8359	9,510
1929	141,473.65	65.00	1.54	2,614.43	11.28	0.8265	140,307
1930	2,918.07	65.00	1.54	53.93	11.58	0.8219	2,878
1931	159,229.74	65.00	1.54	2,942.57	11.89	0.8171	156,124
1932	467.71	65.00	1.54	8.64	12.21	0.8122	456
1934	1,132.32	65.00	1.54	20.93	12.85	0.8023	1,090
1935	9,559.32	65.00	1.54	176.66	13.18	0.7972	9,145
1938	1,950.05	65.00	1.54	36.04	14.20	0.7815	1,829
1940	52.20	65.00	1.54	0.96	14.91	0.7706	48
1946	222.45	65.00	1.54	4.11	17.19	0.7355	196
1947	4,543.96	65.00	1.54	83.97	17.60	0.7292	3,976
1948	11,764.18	65.00	1.54	217.40	18.01	0.7229	10,205
1949	68.71	65.00	1.54	1.27	18.43	0.7165	59
1951	695.36	65.00	1.54	12.85	19.30	0.7031	587
1952	17,645.19	65.00	1.54	326.08	19.75	0.6962	14,740
1953	33,837.83	65.00	1.54	625.32	20.20	0.6892	27,986
1954	11,378.94	65.00	1.54	210.28	20.66	0.6822	9,315
1955	51,443.30	65.00	1.54	950.67	21.13	0.6749	41,664
1956	1,459.34	65.00	1.54	26.97	21.61	0.6675	1,169
1957	1,265.17	65.00	1.54	23.38	22.09	0.6602	1,002
1958	33,988.42	65.00	1.54	628.11	22.59	0.6525	26,611
1959	96,521.31	65.00	1.54	1,783.71	23.09	0.6448	74,681
1960	2,985.66	65.00	1.54	55.17	23.60	0.6369	2,282
1961	149,285.27	65.00	1.54	2,758.79	24.12	0.6289	112,666
1962	595.11	65.00	1.54	11.00	24.64	0.6209	443
1963	11,947.61	65.00	1.54	220.79	25.18	0.6126	8,783
1964	19,419.00	65.00	1.54	358.86	25.72	0.6043	14,082
1965	719.83	65.00	1.54	13.30	26.27	0.5959	515
1966	11,594.95	65.00	1.54	214.27	26.83	0.5872	8,171
1967	465,572.10	65.00	1.54	8,603.77	27.39	0.5786	323,267
1968	121,276.40	65.00	1.54	2,241.19	27.96	0.5699	82,931
1969	474,467.75	65.00	1.54	8,768.16	28.54	0.5609	319,366
1970	79,527.44	65.00	1.54	1,469.67	29.13	0.5519	52,665
1971	1,699,472.68	65.00	1.54	31,406.26	29.72	0.5428	1,106,907
1972	1,388,316.03	65.00	1.54	25,656.08	30.32	0.5335	888,867
1973	20,835.75	65.00	1.54	385.04	30.93	0.5242	13,105

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 356.00 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -20							
1974	2,235,892.67	65.00	1.54	41,319.30	31.55	0.5146	1,380,762
1975	677,133.59	65.00	1.54	12,513.43	32.17	0.5051	410,408
1976	364,759.98	65.00	1.54	6,740.76	32.80	0.4954	216,834
1977	30,086.41	65.00	1.54	556.00	33.43	0.4857	17,535
1978	461.42	65.00	1.54	8.53	34.08	0.4757	263
1980	15,273.00	65.00	1.54	282.25	35.38	0.4557	8,352
1981	1,380,938.63	65.00	1.54	25,519.75	36.04	0.4455	738,316
1982	937,456.72	65.00	1.54	17,324.20	36.71	0.4352	489,611
1983	11,568.17	65.00	1.54	213.78	37.38	0.4249	5,899
1984	3,822.66	65.00	1.54	70.64	38.06	0.4145	1,901
1985	113,872.30	65.00	1.54	2,104.36	38.74	0.4040	55,205
1988	10,415.22	65.00	1.54	192.47	40.83	0.3719	4,647
1989	72,224.81	65.00	1.54	1,334.71	41.53	0.3611	31,295
1990	71,007.91	65.00	1.54	1,312.23	42.24	0.3502	29,836
1992	751,747.80	65.00	1.54	13,892.30	43.68	0.3280	295,888
1993	148,652.02	65.00	1.54	2,747.09	44.40	0.3169	56,533
1994	11,343.81	65.00	1.54	209.63	45.13	0.3057	4,161
1995	68,641.20	65.00	1.54	1,268.49	45.86	0.2945	24,255
1996	19,174.58	65.00	1.54	354.35	46.60	0.2831	6,514
1999	49,018.90	65.00	1.54	905.87	48.83	0.2488	14,633
2001	479,316.78	65.00	1.54	8,857.77	50.34	0.2255	129,726
2002	62,101.02	65.00	1.54	1,147.63	51.10	0.2139	15,936
2006	6,324,588.03	65.00	1.54	116,878.39	54.18	0.1665	1,263,349
2007	4,306,722.30	65.00	1.54	79,588.23	54.96	0.1545	798,260
2008	4,196,150.00	65.00	1.54	77,544.85	55.74	0.1425	717,340
2010	203,902.52	65.00	1.54	3,768.12	57.32	0.1182	28,909
2011	3,783,158.63	65.00	1.54	69,912.77	58.11	0.1060	481,218
2012	982,820.82	65.00	1.54	18,162.53	58.91	0.0937	110,497
2013	295,345.42	65.00	1.54	5,457.98	59.71	0.0814	28,842
2014	21,542,192.63	65.00	1.54	398,099.72	60.51	0.0691	1,785,762
2015	455,559.70	65.00	1.54	8,418.74	61.32	0.0566	30,953
2016	255,008.84	65.00	1.54	4,712.56	62.13	0.0442	13,510
2017	1,166,709.07	65.00	1.54	21,560.78	62.95	0.0315	44,158
2018	1,631,901.30	65.00	1.54	30,157.54	63.77	0.0189	37,051
2019	114,009.26	65.00	1.54	2,106.89	64.59	0.0063	863
57,816,776.77				1,068,454.01		12,753,630	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.85

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 356.10 OVERHEAD CONDUCTORS AND DEVICES - CLEARING

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. 0							
1917	1,600.03	65.00	1.54	24.64	7.86	0.8791	1,407
1918	1.33	65.00	1.54	0.02	8.13	0.8749	1
1923	1,860.90	65.00	1.54	28.66	9.51	0.8537	1,589
1925	6,511.06	65.00	1.54	100.27	10.08	0.8449	5,501
1926	2,391.60	65.00	1.54	36.83	10.38	0.8403	2,010
1927	4,380.00	65.00	1.54	67.45	10.67	0.8359	3,661
1928	40,703.69	65.00	1.54	626.84	10.97	0.8312	33,834
1929	9,645.57	65.00	1.54	148.54	11.28	0.8265	7,972
1931	47,637.43	65.00	1.54	733.62	11.89	0.8171	38,924
1937	441.09	65.00	1.54	6.79	13.85	0.7869	347
1943	1,033.69	65.00	1.54	15.92	16.02	0.7535	779
1947	7,271.70	65.00	1.54	111.98	17.60	0.7292	5,303
1948	1,888.00	65.00	1.54	29.08	18.01	0.7229	1,365
1949	18,708.55	65.00	1.54	288.11	18.43	0.7165	13,404
1950	19,705.78	65.00	1.54	303.47	18.86	0.7099	13,988
1952	42,003.70	65.00	1.54	646.86	19.75	0.6962	29,241
1954	962.54	65.00	1.54	14.82	20.66	0.6822	657
1955	21,262.89	65.00	1.54	327.45	21.13	0.6749	14,351
1956	2,850.60	65.00	1.54	43.90	21.61	0.6675	1,903
1958	8,400.25	65.00	1.54	129.36	22.59	0.6525	5,481
1959	24,002.93	65.00	1.54	369.65	23.09	0.6448	15,476
1960	855.00	65.00	1.54	13.17	23.60	0.6369	545
1961	43,104.86	65.00	1.54	663.81	24.12	0.6289	27,110
1963	7,107.85	65.00	1.54	109.46	25.18	0.6126	4,354
1964	8,504.78	65.00	1.54	130.97	25.72	0.6043	5,140
1965	5,589.64	65.00	1.54	86.08	26.27	0.5959	3,331
1966	48,006.37	65.00	1.54	739.30	26.83	0.5872	28,191
1967	6,553.10	65.00	1.54	100.92	27.39	0.5786	3,792
1969	9,017.54	65.00	1.54	138.87	28.54	0.5609	5,058
1971	193,199.34	65.00	1.54	2,975.27	29.72	0.5428	104,863
1972	67,418.76	65.00	1.54	1,038.25	30.32	0.5335	35,971
1973	2,164.92	65.00	1.54	33.34	30.93	0.5242	1,135
1974	72,873.70	65.00	1.54	1,122.25	31.55	0.5146	37,502
1975	76,080.61	65.00	1.54	1,171.64	32.17	0.5051	38,427
1976	20,630.21	65.00	1.54	317.71	32.80	0.4954	10,220
1981	261,154.53	65.00	1.54	4,021.78	36.04	0.4455	116,355
1982	132,902.16	65.00	1.54	2,046.69	36.71	0.4352	57,843
1989	36,145.96	65.00	1.54	556.65	41.53	0.3611	13,052

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 356.10 OVERHEAD CONDUCTORS AND DEVICES - CLEARING

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. 0							
1990	1,197.32	65.00	1.54	18.44	42.24	0.3502	419
1992	65,593.15	65.00	1.54	1,010.13	43.68	0.3280	21,515
2009	22,232.00	65.00	1.54	342.37	56.53	0.1303	2,897
	1,343,595.13			20,691.36			714,914
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.54							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 357.00 UNDERGROUND CONDUIT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R3							
NET SALVAGE PERCENT.. 0							
1971	73,457.86	45.00	2.22	1,630.76	7.56	0.8320	61,117
1982	185,994.74	45.00	2.22	4,129.08	13.19	0.7069	131,478
2006	1,940,479.66	45.00	2.22	43,078.65	32.08	0.2871	557,131
2011	3,184,055.23	45.00	2.22	70,686.03	36.75	0.1833	583,733
2014	790.51	45.00	2.22	17.55	39.63	0.1193	94
	5,384,778.00			119,542.07			1,333,553
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.22							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 35-S3							
NET SALVAGE PERCENT.. -5							
1971	72,622.64	35.00	2.86	2,180.86	3.16	0.9097	69,369
1982	585,652.86	35.00	2.86	17,587.16	6.02	0.8280	509,167
1983	24,958.42	35.00	2.86	749.50	6.36	0.8183	21,444
1999	38,610.17	35.00	2.86	1,159.46	15.32	0.5623	22,796
2006	2,417,051.14	35.00	2.86	72,584.05	21.58	0.3834	973,108
2011	12,266,013.59	35.00	2.86	368,348.39	26.50	0.2429	3,127,870
2016	362,618.69	35.00	2.86	10,889.44	31.50	0.1000	38,075
	15,767,527.51			473,498.86			4,761,829
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.00							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 359.00 ROADS AND TRAILS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-R4							
NET SALVAGE PERCENT.. 0							
1928	1,719.22	70.00	1.43	24.58	3.38	0.9517	1,636
1937	20.79	70.00	1.43	0.30	5.79	0.9173	19
1948	3,431.65	70.00	1.43	49.07	9.57	0.8633	2,963
1952	772.63	70.00	1.43	11.05	11.48	0.8360	646
1961	69.60	70.00	1.43	1.00	17.01	0.7570	53
1965	318.09	70.00	1.43	4.55	19.81	0.7170	228
1970	17,552.60	70.00	1.43	251.00	23.55	0.6636	11,647
1971	73,893.13	70.00	1.43	1,056.67	24.33	0.6524	48,210
1972	137,704.56	70.00	1.43	1,969.18	25.12	0.6411	88,288
1974	3,894.90	70.00	1.43	55.70	26.74	0.6180	2,407
1975	21,102.30	70.00	1.43	301.76	27.56	0.6063	12,794
1976	110,875.91	70.00	1.43	1,585.53	28.39	0.5944	65,908
1981	337,038.36	70.00	1.43	4,819.65	32.70	0.5329	179,594
1989	5,797.94	70.00	1.43	82.91	40.01	0.4284	2,484
1992	73,065.94	70.00	1.43	1,044.84	42.86	0.3877	28,328
1993	71,649.11	70.00	1.43	1,024.58	43.81	0.3741	26,807
2008	276,115.03	70.00	1.43	3,948.44	58.53	0.1639	45,244
2011	59,611.52	70.00	1.43	852.44	61.52	0.1211	7,221
	1,194,633.28			17,083.25			524,477

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.43

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 360.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-S3							
NET SALVAGE PERCENT.. 0							
1899	10,000.00	70.00	1.43	143.00	2.43	0.9653	9,653
1902	216.67	70.00	1.43	3.10	2.85	0.9593	208
1903	19.34	70.00	1.43	0.28	2.99	0.9573	19
1905	588.14	70.00	1.43	8.41	3.29	0.9530	560
1907	1.16	70.00	1.43	0.02	3.59	0.9487	1
1909	388.74	70.00	1.43	5.56	3.91	0.9441	367
1910	1.82	70.00	1.43	0.03	4.07	0.9419	2
1911	3.87	70.00	1.43	0.06	4.24	0.9394	4
1912	114.59	70.00	1.43	1.64	4.39	0.9373	107
1913	287.94	70.00	1.43	4.12	4.57	0.9347	269
1914	407.44	70.00	1.43	5.83	4.74	0.9323	380
1915	126.50	70.00	1.43	1.81	4.91	0.9299	118
1916	30.47	70.00	1.43	0.44	5.09	0.9273	28
1917	2,756.44	70.00	1.43	39.42	5.27	0.9247	2,549
1918	230.47	70.00	1.43	3.30	5.46	0.9220	212
1919	296.83	70.00	1.43	4.24	5.64	0.9194	273
1920	257.71	70.00	1.43	3.69	5.83	0.9167	236
1921	39.92	70.00	1.43	0.57	6.02	0.9140	36
1922	5,160.75	70.00	1.43	73.80	6.22	0.9111	4,702
1923	2,706.11	70.00	1.43	38.70	6.43	0.9081	2,458
1924	47.70	70.00	1.43	0.68	6.63	0.9053	43
1925	7,121.48	70.00	1.43	101.84	6.84	0.9023	6,426
1926	1,041.66	70.00	1.43	14.90	7.05	0.8993	937
1927	1,656.82	70.00	1.43	23.69	7.28	0.8960	1,485
1928	255.26	70.00	1.43	3.65	7.50	0.8929	228
1929	15,894.04	70.00	1.43	227.28	7.73	0.8896	14,139
1930	2,076.92	70.00	1.43	29.70	7.96	0.8863	1,841
1931	92.26	70.00	1.43	1.32	8.20	0.8829	81
1932	309.14	70.00	1.43	4.42	8.44	0.8794	272
1933	171.14	70.00	1.43	2.45	8.69	0.8759	150
1934	66.87	70.00	1.43	0.96	8.95	0.8721	58
1935	59.94	70.00	1.43	0.86	9.21	0.8684	52
1936	652.48	70.00	1.43	9.33	9.48	0.8646	564
1937	1,088.33	70.00	1.43	15.56	9.75	0.8607	937
1938	1,435.95	70.00	1.43	20.53	10.03	0.8567	1,230
1939	910.74	70.00	1.43	13.02	10.32	0.8526	776
1940	488.89	70.00	1.43	6.99	10.61	0.8484	415
1941	1,293.60	70.00	1.43	18.50	10.92	0.8440	1,092
1942	222.10	70.00	1.43	3.18	11.23	0.8396	186
1943	0.97	70.00	1.43	0.01	11.55	0.8350	1
1944	271.04	70.00	1.43	3.88	11.87	0.8304	225

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 360.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-S3							
NET SALVAGE PERCENT.. 0							
1945	917.54	70.00	1.43	13.12	12.21	0.8256	757
1946	3,865.70	70.00	1.43	55.28	12.55	0.8207	3,173
1947	4,640.49	70.00	1.43	66.36	12.90	0.8157	3,785
1948	10,282.84	70.00	1.43	147.04	13.27	0.8104	8,334
1949	3,878.83	70.00	1.43	55.47	13.64	0.8051	3,123
1950	2,132.89	70.00	1.43	30.50	14.02	0.7997	1,706
1951	3,365.96	70.00	1.43	48.13	14.42	0.7940	2,673
1952	3,188.73	70.00	1.43	45.60	14.82	0.7883	2,514
1953	3,115.20	70.00	1.43	44.55	15.24	0.7823	2,437
1954	6,096.42	70.00	1.43	87.18	15.67	0.7761	4,732
1955	7,832.88	70.00	1.43	112.01	16.11	0.7699	6,030
1956	12,701.62	70.00	1.43	181.63	16.56	0.7634	9,697
1957	76,871.15	70.00	1.43	1,099.26	17.02	0.7569	58,181
1958	3,603.72	70.00	1.43	51.53	17.50	0.7500	2,703
1959	738.36	70.00	1.43	10.56	17.99	0.7430	549
1960	574.20	70.00	1.43	8.21	18.50	0.7357	422
1961	9,692.06	70.00	1.43	138.60	19.02	0.7283	7,059
1962	12,250.05	70.00	1.43	175.18	19.55	0.7207	8,829
1963	8,938.65	70.00	1.43	127.82	20.10	0.7129	6,372
1964	6,372.44	70.00	1.43	91.13	20.66	0.7049	4,492
1965	3,198.43	70.00	1.43	45.74	21.24	0.6966	2,228
1966	3,317.07	70.00	1.43	47.43	21.84	0.6880	2,282
1967	616.62	70.00	1.43	8.82	22.44	0.6794	419
1968	5,674.81	70.00	1.43	81.15	23.07	0.6704	3,805
1969	7,685.77	70.00	1.43	109.91	23.71	0.6613	5,083
1970	78.20	70.00	1.43	1.12	24.37	0.6519	51
1972	80,644.52	70.00	1.43	1,153.22	25.74	0.6323	50,991
1973	9,164.92	70.00	1.43	131.06	26.45	0.6221	5,702
1974	14,744.60	70.00	1.43	210.85	27.17	0.6119	9,022
1975	52,461.24	70.00	1.43	750.20	27.92	0.6011	31,537
1976	2,923.63	70.00	1.43	41.81	28.67	0.5904	1,726
1977	4,571.69	70.00	1.43	65.38	29.45	0.5793	2,648
1978	9,635.93	70.00	1.43	137.79	30.24	0.5680	5,473
1979	5,675.11	70.00	1.43	81.15	31.04	0.5566	3,159
1980	4,609.25	70.00	1.43	65.91	31.86	0.5449	2,511
1981	4,129.87	70.00	1.43	59.06	32.69	0.5330	2,201
1982	1,778.67	70.00	1.43	25.43	33.54	0.5209	926
1983	4,538.39	70.00	1.43	64.90	34.41	0.5084	2,307
1984	3,027.02	70.00	1.43	43.29	35.28	0.4960	1,501
1985	3,018.70	70.00	1.43	43.17	36.17	0.4833	1,459
1986	13,113.08	70.00	1.43	187.52	37.07	0.4704	6,169

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 360.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 70-S3							
NET SALVAGE PERCENT.. 0							
1987	44,606.19	70.00	1.43	637.87	37.98	0.4574	20,404
1988	5,522.55	70.00	1.43	78.97	38.91	0.4441	2,453
1989	774.11	70.00	1.43	11.07	39.84	0.4309	334
1990	17,000.21	70.00	1.43	243.10	40.78	0.4174	7,096
1991	18,733.83	70.00	1.43	267.89	41.73	0.4039	7,566
1992	2,667.84	70.00	1.43	38.15	42.68	0.3903	1,041
1993	5,360.82	70.00	1.43	76.66	43.65	0.3764	2,018
1994	4,402.85	70.00	1.43	62.96	44.62	0.3626	1,596
1995	40,725.58	70.00	1.43	582.38	45.59	0.3487	14,201
1998	9,173.75	70.00	1.43	131.18	48.54	0.3066	2,812
1999	93,347.00	70.00	1.43	1,334.86	49.53	0.2924	27,297
2003	6,197.37	70.00	1.43	88.62	53.51	0.2356	1,460
2009	1,550.46	70.00	1.43	22.17	59.50	0.1500	233
2013	28,330.58	70.00	1.43	405.13	63.50	0.0929	2,631
2014	413,074.09	70.00	1.43	5,906.96	64.50	0.0786	32,455
	1,165,926.72			16,672.81			455,685
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.43							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 55-R3							
NET SALVAGE PERCENT.. -15							
1923	1,731.22	55.00				1.0000	1,991
1926	407.53	55.00				1.0000	469
1927	2,709.99	55.00	1.82	56.72	0.22	0.9960	3,104
1928	269.56	55.00	1.82	5.64	0.40	0.9927	308
1929	5,336.84	55.00	1.82	111.70	0.60	0.9891	6,070
1930	324.21	55.00	1.82	6.79	0.83	0.9849	367
1931	2.04	55.00	1.82	0.04	1.07	0.9806	2
1932	97.13	55.00	1.82	2.03	1.30	0.9764	109
1941	1,089.67	55.00	1.82	22.81	3.55	0.9355	1,172
1944	128.02	55.00	1.82	2.68	4.32	0.9215	136
1946	1,178.56	55.00	1.82	24.67	4.83	0.9122	1,236
1949	2,094.43	55.00	1.82	43.84	5.62	0.8978	2,162
1950	1,895.97	55.00	1.82	39.68	5.90	0.8927	1,946
1951	13,342.08	55.00	1.82	279.25	6.17	0.8878	13,622
1952	3,084.44	55.00	1.82	64.56	6.46	0.8826	3,130
1953	868.47	55.00	1.82	18.18	6.75	0.8773	876
1955	2,890.73	55.00	1.82	60.50	7.37	0.8660	2,879
1956	13,534.01	55.00	1.82	283.27	7.70	0.8600	13,385
1957	550.87	55.00	1.82	11.53	8.04	0.8538	541
1959	40.75	55.00	1.82	0.85	8.77	0.8406	39
1960	2,299.95	55.00	1.82	48.14	9.16	0.8335	2,204
1961	11,154.91	55.00	1.82	233.47	9.56	0.8262	10,598
1962	12,597.15	55.00	1.82	263.66	9.98	0.8186	11,858
1963	731.06	55.00	1.82	15.30	10.41	0.8107	682
1964	63,165.59	55.00	1.82	1,322.06	10.86	0.8026	58,298
1965	1,081.72	55.00	1.82	22.64	11.33	0.7940	988
1966	790.00	55.00	1.82	16.53	11.82	0.7851	713
1967	2,832.47	55.00	1.82	59.28	12.33	0.7758	2,527
1968	20,923.66	55.00	1.82	437.93	12.85	0.7664	18,440
1969	21,757.09	55.00	1.82	455.38	13.39	0.7566	18,929
1971	63,678.87	55.00	1.82	1,332.80	14.51	0.7362	53,911
1973	287,021.23	55.00	1.82	6,007.35	15.71	0.7144	235,792
1974	105,660.75	55.00	1.82	2,211.48	16.32	0.7033	85,454
1975	1,759.73	55.00	1.82	36.83	16.96	0.6916	1,400
1978	10,367.05	55.00	1.82	216.98	18.94	0.6556	7,817
1980	237,362.19	55.00	1.82	4,967.99	20.33	0.6304	172,067
1981	58,538.79	55.00	1.82	1,225.22	21.04	0.6175	41,566
1982	1,351.39	55.00	1.82	28.28	21.77	0.6042	939
1985	28,869.61	55.00	1.82	604.24	24.01	0.5635	18,707
1986	1,059.33	55.00	1.82	22.17	24.77	0.5496	670
1987	19,118.01	55.00	1.82	400.14	25.55	0.5355	11,772

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 361.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 55-R3							
NET SALVAGE PERCENT.. -15							
1989	86,999.23	55.00	1.82	1,820.89	27.14	0.5066	50,680
1990	635,006.35	55.00	1.82	13,290.68	27.94	0.4920	359,287
1991	31,146.92	55.00	1.82	651.91	28.76	0.4771	17,089
1992	263,583.86	55.00	1.82	5,516.81	29.59	0.4620	140,042
1994	106,899.12	55.00	1.82	2,237.40	31.26	0.4316	53,063
1995	234,446.59	55.00	1.82	4,906.97	32.11	0.4162	112,208
1996	45,137.12	55.00	1.82	944.72	32.97	0.4006	20,792
1997	127,324.93	55.00	1.82	2,664.91	33.84	0.3847	56,334
1998	43,682.80	55.00	1.82	914.28	34.72	0.3687	18,523
1999	189,184.31	55.00	1.82	3,959.63	35.60	0.3527	76,741
2000	137,617.78	55.00	1.82	2,880.34	36.49	0.3366	53,263
2001	75,135.77	55.00	1.82	1,572.59	37.39	0.3202	27,666
2002	758,736.51	55.00	1.82	15,880.36	38.30	0.3036	264,940
2003	845,452.83	55.00	1.82	17,695.33	39.21	0.2871	279,129
2004	837,767.12	55.00	1.82	17,534.47	40.13	0.2704	260,474
2005	1,053,218.05	55.00	1.82	22,043.85	41.06	0.2535	306,979
2006	270,650.46	55.00	1.82	5,664.71	41.99	0.2366	73,626
2007	223,975.60	55.00	1.82	4,687.81	42.93	0.2195	56,524
2008	473,708.20	55.00	1.82	9,914.71	43.87	0.2024	110,239
2009	79,933.99	55.00	1.82	1,673.02	44.81	0.1853	17,031
2010	623,195.13	55.00	1.82	13,043.47	45.77	0.1678	120,272
2011	2,614,786.82	55.00	1.82	54,727.49	46.72	0.1506	452,705
2012	2,474,116.43	55.00	1.82	51,783.26	47.69	0.1329	378,160
2013	32,945.69	55.00	1.82	689.55	48.65	0.1155	4,374
2014	761,369.54	55.00	1.82	15,935.46	49.62	0.0978	85,649
2015	164,753.38	55.00	1.82	3,448.29	50.59	0.0802	15,191
2016	166,023.91	55.00	1.82	3,474.88	51.57	0.0624	11,906
2017	446,293.19	55.00	1.82	9,340.92	52.54	0.0447	22,957
2018	704,171.70	55.00	1.82	14,738.31	53.52	0.0269	21,792
	15,510,960.40			324,599.63			4,276,512

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.09

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 362.00 STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-S0							
NET SALVAGE PERCENT.. -15							
1914	133.66	50.00				1.0000	154
1923	48.06	50.00	2.00	1.11	1.29	0.9742	54
1924	1,405.48	50.00	2.00	32.33	1.65	0.9670	1,563
1927	83,864.28	50.00	2.00	1,928.88	2.76	0.9448	91,120
1928	13,123.77	50.00	2.00	301.85	3.13	0.9374	14,148
1929	12,067.45	50.00	2.00	277.55	3.50	0.9300	12,906
1930	10,593.24	50.00	2.00	243.64	3.88	0.9224	11,237
1931	495.96	50.00	2.00	11.41	4.25	0.9150	522
1932	31.84	50.00	2.00	0.73	4.63	0.9074	33
1935	86.10	50.00	2.00	1.98	5.76	0.8848	88
1937	267.69	50.00	2.00	6.16	6.53	0.8694	268
1939	2,166.52	50.00	2.00	49.83	7.30	0.8540	2,128
1940	225.39	50.00	2.00	5.18	7.68	0.8464	219
1941	575.38	50.00	2.00	13.23	8.07	0.8386	555
1942	236.97	50.00	2.00	5.45	8.46	0.8308	226
1944	183.26	50.00	2.00	4.21	9.24	0.8152	172
1945	608.42	50.00	2.00	13.99	9.64	0.8072	565
1946	5,598.55	50.00	2.00	128.77	10.03	0.7994	5,147
1947	964.12	50.00	2.00	22.17	10.43	0.7914	877
1949	5,364.48	50.00	2.00	123.38	11.23	0.7754	4,784
1950	41,463.29	50.00	2.00	953.66	11.63	0.7674	36,592
1951	24,962.96	50.00	2.00	574.15	12.03	0.7594	21,800
1952	44,110.05	50.00	2.00	1,014.53	12.44	0.7512	38,106
1953	18,324.38	50.00	2.00	421.46	12.85	0.7430	15,657
1954	153,041.77	50.00	2.00	3,519.96	13.25	0.7350	129,359
1955	7,522.59	50.00	2.00	173.02	13.67	0.7266	6,286
1956	29,310.91	50.00	2.00	674.15	14.08	0.7184	24,216
1957	53,312.95	50.00	2.00	1,226.20	14.49	0.7102	43,542
1958	4,518.69	50.00	2.00	103.93	14.91	0.7018	3,647
1959	225,953.03	50.00	2.00	5,196.92	15.33	0.6934	180,177
1960	5,005.30	50.00	2.00	115.12	15.75	0.6850	3,943
1961	54,634.81	50.00	2.00	1,256.60	16.18	0.6764	42,498
1962	189,920.68	50.00	2.00	4,368.18	16.60	0.6680	145,897
1963	1,431.81	50.00	2.00	32.93	17.03	0.6594	1,086
1964	223,273.73	50.00	2.00	5,135.30	17.46	0.6508	167,103
1965	22,498.51	50.00	2.00	517.47	17.90	0.6420	16,611
1966	20,508.81	50.00	2.00	471.70	18.33	0.6334	14,939
1967	205,712.74	50.00	2.00	4,731.39	18.77	0.6246	147,761
1968	300,398.43	50.00	2.00	6,909.16	19.21	0.6158	212,733
1969	415,269.02	50.00	2.00	9,551.19	19.66	0.6068	289,783
1970	157,390.87	50.00	2.00	3,619.99	20.10	0.5980	108,238

ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 362.00 STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-S0							
NET SALVAGE PERCENT.. -15							
1971	986,820.63	50.00	2.00	22,696.87	20.55	0.5890	668,423
1972	34,056.13	50.00	2.00	783.29	21.01	0.5798	22,708
1973	1,954,341.09	50.00	2.00	44,949.85	21.46	0.5708	1,282,869
1974	1,548,222.31	50.00	2.00	35,609.11	21.92	0.5616	999,904
1975	428,617.04	50.00	2.00	9,858.19	22.39	0.5522	272,185
1976	486,649.21	50.00	2.00	11,192.93	22.85	0.5430	303,888
1977	48,463.55	50.00	2.00	1,114.66	23.32	0.5336	29,739
1978	99,578.43	50.00	2.00	2,290.30	23.80	0.5240	60,006
1979	45,718.25	50.00	2.00	1,051.52	24.27	0.5146	27,056
1980	3,157,703.87	50.00	2.00	72,627.19	24.76	0.5048	1,833,110
1981	1,234,430.65	50.00	2.00	28,391.90	25.24	0.4952	702,984
1982	180,254.22	50.00	2.00	4,145.85	25.73	0.4854	100,620
1983	53,580.70	50.00	2.00	1,232.36	26.23	0.4754	29,293
1984	128,085.05	50.00	2.00	2,945.96	26.72	0.4656	68,582
1985	236,176.93	50.00	2.00	5,432.07	27.23	0.4554	123,688
1986	358,919.31	50.00	2.00	8,255.14	27.74	0.4452	183,760
1987	380,615.05	50.00	2.00	8,754.15	28.25	0.4350	190,403
1988	1,352,364.30	50.00	2.00	31,104.38	28.77	0.4246	660,346
1989	2,164,063.01	50.00	2.00	49,773.45	29.29	0.4142	1,030,808
1990	3,301,365.62	50.00	2.00	75,931.41	29.82	0.4036	1,532,296
1991	1,643,009.46	50.00	2.00	37,789.22	30.36	0.3928	742,180
1992	3,277,665.30	50.00	2.00	75,386.30	30.90	0.3820	1,439,878
1993	671,161.37	50.00	2.00	15,436.71	31.45	0.3710	286,351
1994	287,246.83	50.00	2.00	6,606.68	32.00	0.3600	118,920
1995	4,424,372.98	50.00	2.00	101,760.58	32.56	0.3488	1,774,704
1996	1,797,654.09	50.00	2.00	41,346.04	33.13	0.3374	697,508
1997	2,410,597.61	50.00	2.00	55,443.75	33.71	0.3258	903,179
1998	682,072.45	50.00	2.00	15,687.67	34.29	0.3142	246,453
1999	1,983,356.40	50.00	2.00	45,617.20	34.89	0.3022	689,276
2000	1,778,133.36	50.00	2.00	40,897.07	35.49	0.2902	593,416
2001	520,929.11	50.00	2.00	11,981.37	36.10	0.2780	166,541
2002	9,004,942.18	50.00	2.00	207,113.67	36.72	0.2656	2,750,470
2003	5,628,074.33	50.00	2.00	129,445.71	37.35	0.2530	1,637,488
2004	7,378,505.77	50.00	2.00	169,705.63	37.99	0.2402	2,038,165
2005	9,640,375.93	50.00	2.00	221,728.65	38.64	0.2272	2,518,837
2006	5,029,041.37	50.00	2.00	115,667.95	39.30	0.2140	1,237,647
2007	6,065,171.00	50.00	2.00	139,498.93	39.98	0.2004	1,397,779
2008	9,381,559.61	50.00	2.00	215,775.87	40.67	0.1866	2,013,189
2009	3,626,345.50	50.00	2.00	83,405.95	41.37	0.1726	719,793
2010	3,140,635.30	50.00	2.00	72,234.61	42.09	0.1582	571,376
2011	6,559,131.09	50.00	2.00	150,860.02	42.83	0.1434	1,081,666

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YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-S0							
NET SALVAGE PERCENT.. -15							
2012	20,535,997.69	50.00	2.00	472,327.95	43.58	0.1284	3,032,345
2013	2,187,565.46	50.00	2.00	50,314.01	44.35	0.1130	284,274
2014	20,345,422.91	50.00	2.00	467,944.73	45.15	0.0970	2,269,532
2015	4,166,430.76	50.00	2.00	95,827.91	45.96	0.0808	387,145
2016	21,553,108.79	50.00	2.00	495,721.50	46.80	0.0640	1,586,309
2017	5,051,752.05	50.00	2.00	116,190.30	47.67	0.0466	270,723
2018	12,052,455.20	50.00	2.00	277,206.47	48.57	0.0286	396,405
2019	3,419,412.84	50.00	2.00	78,646.50	49.51	0.0098	38,537
	194,758,758.04			4,479,448.39			43,809,494
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.30							

ORANGE AND ROCKLAND UTILITIES, INC.
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ACCOUNT 364.00 POLES, TOWERS AND FIXTURES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
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YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 55-R0.5							
NET SALVAGE PERCENT.. -100							
1905	15.00	55.00				1.0000	30
1913	23.31	55.00	1.82	0.85	1.72	0.9687	45
1914	47.77	55.00	1.82	1.74	2.20	0.9600	92
1916	10.77	55.00	1.82	0.39	3.14	0.9429	20
1917	20.45	55.00	1.82	0.74	3.60	0.9346	38
1920	14.43	55.00	1.82	0.53	4.96	0.9098	26
1922	110.09	55.00	1.82	4.01	5.83	0.8940	197
1923	111.40	55.00	1.82	4.05	6.26	0.8862	197
1925	254.70	55.00	1.82	9.27	7.10	0.8709	444
1926	164.40	55.00	1.82	5.98	7.51	0.8635	284
1927	3,519.80	55.00	1.82	128.12	7.92	0.8560	6,026
1928	2,600.83	55.00	1.82	94.67	8.32	0.8487	4,415
1929	6,933.99	55.00	1.82	252.40	8.73	0.8413	11,667
1930	1,890.99	55.00	1.82	68.83	9.13	0.8340	3,154
1931	2,959.40	55.00	1.82	107.72	9.52	0.8269	4,894
1932	4,887.13	55.00	1.82	177.89	9.92	0.8196	8,011
1933	4,180.51	55.00	1.82	152.17	10.32	0.8124	6,792
1934	4,120.33	55.00	1.82	149.98	10.71	0.8053	6,636
1935	5,915.49	55.00	1.82	215.32	11.11	0.7980	9,441
1936	7,938.54	55.00	1.82	288.96	11.51	0.7907	12,554
1937	8,567.86	55.00	1.82	311.87	11.90	0.7836	13,428
1938	8,588.51	55.00	1.82	312.62	12.30	0.7764	13,336
1939	11,978.85	55.00	1.82	436.03	12.70	0.7691	18,426
1940	11,516.14	55.00	1.82	419.19	13.10	0.7618	17,546
1941	11,269.93	55.00	1.82	410.23	13.50	0.7546	17,007
1942	11,966.40	55.00	1.82	435.58	13.90	0.7473	17,884
1943	8,673.17	55.00	1.82	315.70	14.31	0.7398	12,833
1944	9,878.99	55.00	1.82	359.60	14.71	0.7326	14,474
1945	6,964.27	55.00	1.82	253.50	15.12	0.7251	10,099
1946	12,560.45	55.00	1.82	457.20	15.53	0.7176	18,028
1947	17,474.49	55.00	1.82	636.07	15.95	0.7100	24,814
1948	31,166.07	55.00	1.82	1,134.44	16.37	0.7024	43,780
1949	36,753.57	55.00	1.82	1,337.83	16.79	0.6947	51,068
1950	87,570.20	55.00	1.82	3,187.56	17.21	0.6871	120,337
1951	54,206.88	55.00	1.82	1,973.13	17.63	0.6795	73,662
1952	64,085.85	55.00	1.82	2,332.72	18.06	0.6716	86,085
1953	94,373.75	55.00	1.82	3,435.20	18.50	0.6636	125,260
1954	73,214.82	55.00	1.82	2,665.02	18.93	0.6558	96,031
1955	100,104.34	55.00	1.82	3,643.80	19.37	0.6478	129,699
1956	142,392.48	55.00	1.82	5,183.09	19.82	0.6396	182,160
1957	121,154.74	55.00	1.82	4,410.03	20.26	0.6316	153,052

ORANGE AND ROCKLAND UTILITIES, INC.
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YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL RATE (4)	ACCRUAL-- AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 55-R0.5							
NET SALVAGE PERCENT.. -100							
1958	123,631.87	55.00	1.82	4,500.20	20.72	0.6233	154,112
1959	217,908.52	55.00	1.82	7,931.87	21.17	0.6151	268,067
1960	229,295.57	55.00	1.82	8,346.36	21.63	0.6067	278,241
1961	233,632.87	55.00	1.82	8,504.24	22.09	0.5984	279,593
1962	280,228.93	55.00	1.82	10,200.33	22.56	0.5898	330,569
1963	296,611.22	55.00	1.82	10,796.65	23.03	0.5813	344,822
1964	452,166.95	55.00	1.82	16,458.88	23.51	0.5726	517,776
1965	381,960.45	55.00	1.82	13,903.36	23.99	0.5638	430,714
1966	511,200.02	55.00	1.82	18,607.68	24.47	0.5551	567,524
1967	407,374.69	55.00	1.82	14,828.44	24.96	0.5462	445,000
1968	557,276.36	55.00	1.82	20,284.86	25.45	0.5373	598,816
1969	567,855.86	55.00	1.82	20,669.95	25.95	0.5282	599,860
1970	777,696.65	55.00	1.82	28,308.16	26.45	0.5191	807,389
1971	1,123,517.54	55.00	1.82	40,896.04	26.95	0.5100	1,145,988
1972	1,668,570.10	55.00	1.82	60,735.95	27.46	0.5007	1,671,006
1973	2,268,307.62	55.00	1.82	82,566.40	27.98	0.4913	2,228,703
1974	2,190,628.94	55.00	1.82	79,738.89	28.49	0.4820	2,111,766
1975	1,377,665.70	55.00	1.82	50,147.03	29.01	0.4726	1,302,032
1976	977,123.39	55.00	1.82	35,567.29	29.54	0.4629	904,640
1977	1,062,211.49	55.00	1.82	38,664.50	30.07	0.4533	962,937
1978	945,995.10	55.00	1.82	34,434.22	30.60	0.4436	839,363
1979	1,036,721.50	55.00	1.82	37,736.66	31.14	0.4338	899,501
1980	815,332.86	55.00	1.82	29,678.12	31.68	0.4240	691,402
1981	1,254,722.66	55.00	1.82	45,671.90	32.23	0.4140	1,038,910
1982	968,994.16	55.00	1.82	35,271.39	32.78	0.4040	782,947
1983	1,099,922.21	55.00	1.82	40,037.17	33.33	0.3940	866,739
1984	1,167,828.46	55.00	1.82	42,508.96	33.88	0.3840	896,892
1985	1,043,476.83	55.00	1.82	37,982.56	34.44	0.3738	780,145
1986	1,478,721.78	55.00	1.82	53,825.47	35.01	0.3635	1,074,883
1987	1,841,970.62	55.00	1.82	67,047.73	35.57	0.3533	1,301,426
1988	1,526,411.20	55.00	1.82	55,561.37	36.14	0.3429	1,046,843
1989	3,988,097.51	55.00	1.82	145,166.75	36.71	0.3326	2,652,484
1990	3,648,688.62	55.00	1.82	132,812.27	37.29	0.3220	2,349,755
1991	2,378,297.93	55.00	1.82	86,570.04	37.86	0.3116	1,482,346
1992	2,289,150.54	55.00	1.82	83,325.08	38.44	0.3011	1,378,481
1993	2,213,715.23	55.00	1.82	80,579.23	39.03	0.2904	1,285,549
1994	1,962,357.31	55.00	1.82	71,429.81	39.61	0.2798	1,098,214
1995	2,540,349.58	55.00	1.82	92,468.72	40.20	0.2691	1,367,165
1996	1,451,596.36	55.00	1.82	52,838.11	40.78	0.2586	750,620
1997	1,809,514.11	55.00	1.82	65,866.31	41.37	0.2478	896,868
1998	1,914,469.44	55.00	1.82	69,686.69	41.96	0.2371	907,803

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YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL RATE (4)	ACCRUAL-- AMOUNT (5)	EXP. (6)	--ACCRUED FACTOR (7)	DEPREC.-- AMOUNT (8)
SURVIVOR CURVE.. IOWA 55-R0.5							
NET SALVAGE PERCENT.. -100							
1999	3,756,325.45	55.00	1.82	136,730.25	42.56	0.2262	1,699,211
2000	2,024,665.17	55.00	1.82	73,697.81	43.15	0.2155	872,428
2001	2,253,088.81	55.00	1.82	82,012.43	43.75	0.2046	921,739
2002	2,709,829.94	55.00	1.82	98,637.81	44.34	0.1938	1,050,438
2003	2,525,583.88	55.00	1.82	91,931.25	44.94	0.1829	923,909
2004	3,080,224.52	55.00	1.82	112,120.17	45.54	0.1720	1,059,597
2005	4,946,160.67	55.00	1.82	180,040.25	46.14	0.1611	1,593,554
2006	3,184,736.16	55.00	1.82	115,924.40	46.74	0.1502	956,567
2007	4,450,071.73	55.00	1.82	161,982.61	47.35	0.1391	1,237,921
2008	5,230,947.62	55.00	1.82	190,406.49	47.95	0.1282	1,341,006
2009	4,921,633.35	55.00	1.82	179,147.45	48.56	0.1171	1,152,548
2010	5,932,149.24	55.00	1.82	215,930.23	49.16	0.1062	1,259,751
2011	5,322,700.82	55.00	1.82	193,746.31	49.77	0.0951	1,012,271
2012	17,896,965.40	55.00	1.82	651,449.54	50.38	0.0840	3,006,690
2013	8,957,160.63	55.00	1.82	326,040.65	50.99	0.0729	1,306,133
2014	6,710,946.63	55.00	1.82	244,278.46	51.60	0.0618	829,741
2015	5,877,512.44	55.00	1.82	213,941.45	52.22	0.0506	594,217
2016	4,150,219.88	55.00	1.82	151,068.00	52.83	0.0395	327,452
2017	12,151,927.14	55.00	1.82	442,330.15	53.45	0.0282	684,883
2018	5,985,988.14	55.00	1.82	217,889.97	54.07	0.0169	202,446
2019	7,526,295.55	55.00	1.82	273,957.16	54.69	0.0056	84,897
	173,646,513.01			6,320,732.51			63,769,262
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.64							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -100							
1902	1,416.14	65.00	1.54	43.62	4.27	0.9343	2,646
1909	364.22	65.00	1.54	11.22	5.91	0.9091	662
1910	948.77	65.00	1.54	29.22	6.13	0.9057	1,719
1911	84.13	65.00	1.54	2.59	6.37	0.9020	152
1912	136.71	65.00	1.54	4.21	6.60	0.8985	246
1913	527.18	65.00	1.54	16.24	6.85	0.8946	943
1914	255.92	65.00	1.54	7.88	7.09	0.8909	456
1915	224.13	65.00	1.54	6.90	7.34	0.8871	398
1916	374.37	65.00	1.54	11.53	7.60	0.8831	661
1917	1,124.87	65.00	1.54	34.65	7.86	0.8791	1,978
1918	933.22	65.00	1.54	28.74	8.13	0.8749	1,633
1919	189.02	65.00	1.54	5.82	8.40	0.8708	329
1920	219.74	65.00	1.54	6.77	8.67	0.8666	381
1921	544.80	65.00	1.54	16.78	8.94	0.8625	940
1922	3,335.27	65.00	1.54	102.73	9.23	0.8580	5,723
1923	17,583.82	65.00	1.54	541.58	9.51	0.8537	30,022
1924	4,741.09	65.00	1.54	146.03	9.79	0.8494	8,054
1925	9,419.19	65.00	1.54	290.11	10.08	0.8449	15,917
1926	15,695.79	65.00	1.54	483.43	10.38	0.8403	26,379
1927	23,995.99	65.00	1.54	739.08	10.67	0.8359	40,114
1928	20,124.28	65.00	1.54	619.83	10.97	0.8312	33,456
1929	36,481.25	65.00	1.54	1,123.62	11.28	0.8265	60,301
1930	26,264.22	65.00	1.54	808.94	11.58	0.8219	43,170
1931	13,759.98	65.00	1.54	423.81	11.89	0.8171	22,486
1932	14,173.63	65.00	1.54	436.55	12.21	0.8122	23,022
1933	12,682.22	65.00	1.54	390.61	12.53	0.8072	20,475
1934	9,085.67	65.00	1.54	279.84	12.85	0.8023	14,579
1935	10,338.62	65.00	1.54	318.43	13.18	0.7972	16,485
1936	19,841.18	65.00	1.54	611.11	13.51	0.7922	31,434
1937	27,614.22	65.00	1.54	850.52	13.85	0.7869	43,460
1938	20,828.67	65.00	1.54	641.52	14.20	0.7815	32,557
1939	22,206.93	65.00	1.54	683.97	14.55	0.7762	34,472
1940	16,600.89	65.00	1.54	511.31	14.91	0.7706	25,586
1941	17,024.58	65.00	1.54	524.36	15.27	0.7651	26,050
1942	11,830.41	65.00	1.54	364.38	15.64	0.7594	17,968
1943	1,653.93	65.00	1.54	50.94	16.02	0.7535	2,493
1944	3,310.20	65.00	1.54	101.95	16.40	0.7477	4,950
1945	8,315.33	65.00	1.54	256.11	16.79	0.7417	12,335
1946	22,350.07	65.00	1.54	688.38	17.19	0.7355	32,879
1947	34,244.60	65.00	1.54	1,054.73	17.60	0.7292	49,944
1948	54,724.53	65.00	1.54	1,685.52	18.01	0.7229	79,123

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -100							
1949	53,516.65	65.00	1.54	1,648.31	18.43	0.7165	76,685
1950	102,411.87	65.00	1.54	3,154.29	18.86	0.7099	145,394
1951	80,572.43	65.00	1.54	2,481.63	19.30	0.7031	113,298
1952	48,791.67	65.00	1.54	1,502.78	19.75	0.6962	67,933
1953	216,408.01	65.00	1.54	6,665.37	20.20	0.6892	298,310
1954	127,539.50	65.00	1.54	3,928.22	20.66	0.6822	174,002
1955	162,057.38	65.00	1.54	4,991.37	21.13	0.6749	218,752
1956	229,884.00	65.00	1.54	7,080.43	21.61	0.6675	306,914
1957	226,907.74	65.00	1.54	6,988.76	22.09	0.6602	299,586
1958	211,448.90	65.00	1.54	6,512.63	22.59	0.6525	275,924
1959	277,372.05	65.00	1.54	8,543.06	23.09	0.6448	357,682
1960	336,185.89	65.00	1.54	10,354.53	23.60	0.6369	428,247
1961	335,663.08	65.00	1.54	10,338.42	24.12	0.6289	422,210
1962	336,381.06	65.00	1.54	10,360.54	24.64	0.6209	417,731
1963	375,553.18	65.00	1.54	11,567.04	25.18	0.6126	460,143
1964	501,216.98	65.00	1.54	15,437.48	25.72	0.6043	605,781
1965	424,347.93	65.00	1.54	13,069.92	26.27	0.5959	505,695
1966	710,782.51	65.00	1.54	21,892.10	26.83	0.5872	834,786
1967	451,826.99	65.00	1.54	13,916.27	27.39	0.5786	522,872
1968	752,729.30	65.00	1.54	23,184.06	27.96	0.5699	857,886
1969	629,388.44	65.00	1.54	19,385.16	28.54	0.5609	706,073
1970	1,132,006.06	65.00	1.54	34,865.79	29.13	0.5519	1,249,395
1971	1,244,099.46	65.00	1.54	38,318.26	29.72	0.5428	1,350,520
1972	1,843,347.37	65.00	1.54	56,775.10	30.32	0.5335	1,966,999
1973	2,115,886.35	65.00	1.54	65,169.30	30.93	0.5242	2,218,084
1974	2,170,124.74	65.00	1.54	66,839.84	31.55	0.5146	2,233,579
1975	1,426,904.47	65.00	1.54	43,948.66	32.17	0.5051	1,441,402
1976	950,849.17	65.00	1.54	29,286.15	32.80	0.4954	942,063
1977	1,229,027.58	65.00	1.54	37,854.05	33.43	0.4857	1,193,853
1978	814,521.12	65.00	1.54	25,087.25	34.08	0.4757	774,919
1979	1,096,171.25	65.00	1.54	33,762.07	34.72	0.4659	1,021,303
1980	809,434.80	65.00	1.54	24,930.59	35.38	0.4557	737,703
1981	1,279,582.86	65.00	1.54	39,411.15	36.04	0.4455	1,140,211
1982	1,041,739.53	65.00	1.54	32,085.58	36.71	0.4352	906,793
1983	863,984.73	65.00	1.54	26,610.73	37.38	0.4249	734,249
1984	983,662.20	65.00	1.54	30,296.80	38.06	0.4145	815,377
1985	813,594.43	65.00	1.54	25,058.71	38.74	0.4040	657,384
1986	1,355,448.36	65.00	1.54	41,747.81	39.43	0.3934	1,066,413
1987	1,494,255.15	65.00	1.54	46,023.06	40.13	0.3826	1,143,464
1988	1,046,257.33	65.00	1.54	32,224.73	40.83	0.3719	778,102
1989	4,576,974.27	65.00	1.54	140,970.81	41.53	0.3611	3,305,308

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.00 OVERHEAD CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R1.5							
NET SALVAGE PERCENT.. -100							
1990	4,062,874.40	65.00	1.54	125,136.53	42.24	0.3502	2,845,231
1991	2,523,233.28	65.00	1.54	77,715.59	42.96	0.3391	1,711,156
1992	3,146,757.55	65.00	1.54	96,920.13	43.68	0.3280	2,064,273
1993	2,699,434.92	65.00	1.54	83,142.60	44.40	0.3169	1,711,010
1994	3,415,199.12	65.00	1.54	105,188.13	45.13	0.3057	2,087,984
1995	3,336,586.72	65.00	1.54	102,766.87	45.86	0.2945	1,964,983
1996	1,663,699.47	65.00	1.54	51,241.94	46.60	0.2831	941,920
1997	2,030,936.76	65.00	1.54	62,552.85	47.34	0.2717	1,103,570
1998	2,831,439.13	65.00	1.54	87,208.33	48.08	0.2603	1,474,104
1999	5,321,748.86	65.00	1.54	163,909.86	48.83	0.2488	2,647,783
2000	3,101,646.51	65.00	1.54	95,530.71	49.59	0.2371	1,470,677
2001	3,132,846.54	65.00	1.54	96,491.67	50.34	0.2255	1,413,164
2002	3,306,576.69	65.00	1.54	101,842.56	51.10	0.2139	1,414,223
2003	3,045,317.98	65.00	1.54	93,795.79	51.87	0.2020	1,230,308
2004	3,283,954.16	65.00	1.54	101,145.79	52.64	0.1902	1,248,888
2005	5,477,999.06	65.00	1.54	168,722.37	53.41	0.1783	1,953,564
2006	4,724,769.22	65.00	1.54	145,522.89	54.18	0.1665	1,572,970
2007	5,513,524.37	65.00	1.54	169,816.55	54.96	0.1545	1,703,238
2008	6,144,970.17	65.00	1.54	189,265.08	55.74	0.1425	1,750,825
2009	7,176,441.58	65.00	1.54	221,034.40	56.53	0.1303	1,870,324
2010	9,885,284.67	65.00	1.54	304,466.77	57.32	0.1182	2,335,893
2011	6,060,035.86	65.00	1.54	186,649.10	58.11	0.1060	1,284,728
2012	9,763,049.11	65.00	1.54	300,701.91	58.91	0.0937	1,829,400
2013	8,209,559.98	65.00	1.54	252,854.45	59.71	0.0814	1,336,188
2014	8,193,147.21	65.00	1.54	252,348.93	60.51	0.0691	1,131,965
2015	10,539,327.95	65.00	1.54	324,611.30	61.32	0.0566	1,193,473
2016	5,134,269.43	65.00	1.54	158,135.50	62.13	0.0442	453,356
2017	10,291,380.56	65.00	1.54	316,974.52	62.95	0.0315	649,180
2018	12,895,366.75	65.00	1.54	397,177.30	63.77	0.0189	487,961
2019	8,596,246.34	65.00	1.54	264,764.39	64.59	0.0063	108,485
200,872,050.92				6,186,859.18	79,530,427		

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.08

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 365.10 OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 30-R1							
NET SALVAGE PERCENT.. -40							
1986	272,511.12	30.00	3.33	12,704.47	9.38	0.6873	262,227
1988	64,293.11	30.00	3.33	2,997.34	10.30	0.6567	59,107
1989	302,240.19	30.00	3.33	14,090.44	10.78	0.6407	271,091
1990	95,300.16	30.00	3.33	4,442.89	11.26	0.6247	83,344
1991	279,654.43	30.00	3.33	13,037.49	11.76	0.6080	238,042
1992	45,839.33	30.00	3.33	2,137.03	12.27	0.5910	37,927
1993	56,689.21	30.00	3.33	2,642.85	12.79	0.5737	45,529
1994	32,757.35	30.00	3.33	1,527.15	13.32	0.5560	25,498
1995	14,193.44	30.00	3.33	661.70	13.86	0.5380	10,690
1996	37,002.49	30.00	3.33	1,725.06	14.42	0.5193	26,903
1997	7,534.53	30.00	3.33	351.26	14.99	0.5003	5,278
1998	98,643.84	30.00	3.33	4,598.78	15.57	0.4810	66,427
1999	21,632.98	30.00	3.33	1,008.53	16.16	0.4613	13,972
2000	26,519.22	30.00	3.33	1,236.33	16.76	0.4413	16,385
2001	22,906.92	30.00	3.33	1,067.92	17.37	0.4210	13,501
2002	79,097.76	30.00	3.33	3,687.54	17.99	0.4003	44,331
2003	30,280.76	30.00	3.33	1,411.69	18.62	0.3793	16,081
2004	16,993.04	30.00	3.33	792.22	19.26	0.3580	8,517
2005	90,648.74	30.00	3.33	4,226.04	19.91	0.3363	42,683
2006	86,050.72	30.00	3.33	4,011.68	20.56	0.3147	37,909
2007	103,348.38	30.00	3.33	4,818.10	21.22	0.2927	42,346
2008	239,023.64	30.00	3.33	11,143.28	21.89	0.2703	90,461
2009	192,439.45	30.00	3.33	8,971.53	22.57	0.2477	66,726
2010	349,184.73	30.00	3.33	16,278.99	23.25	0.2250	109,993
2011	186,663.68	30.00	3.33	8,702.26	23.93	0.2023	52,875
2012	446,740.95	30.00	3.33	20,827.06	24.62	0.1793	112,160
2013	100,993.24	30.00	3.33	4,708.30	25.32	0.1560	22,057
2014	109,739.13	30.00	3.33	5,116.04	26.02	0.1327	20,383
2015	299,187.51	30.00	3.33	13,948.12	26.73	0.1090	45,656
2016	310,260.99	30.00	3.33	14,464.37	27.44	0.0853	37,064
2017	98,835.90	30.00	3.33	4,607.73	28.16	0.0613	8,486
2018	305,116.73	30.00	3.33	14,224.54	28.89	0.0370	15,805
2019	373,209.11	30.00	3.33	17,399.01	29.63	0.0123	6,442
	4,795,532.78			223,567.74			1,955,896

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.66

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 75-R3							
NET SALVAGE PERCENT.. -50							
1915	1,944.16	75.00	1.33	38.79	5.49	0.9268	2,703
1949	922.83	75.00	1.33	18.41	17.37	0.7684	1,064
1952	1,165.75	75.00	1.33	23.26	19.01	0.7465	1,305
1953	19,327.99	75.00	1.33	385.59	19.58	0.7389	21,423
1954	377.60	75.00	1.33	7.53	20.16	0.7312	414
1955	3,974.53	75.00	1.33	79.29	20.75	0.7233	4,312
1956	2,727.65	75.00	1.33	54.42	21.36	0.7152	2,926
1957	5,467.55	75.00	1.33	109.08	21.98	0.7069	5,798
1958	4,758.53	75.00	1.33	94.93	22.60	0.6987	4,987
1959	3,122.31	75.00	1.33	62.29	23.24	0.6901	3,232
1961	4,104.28	75.00	1.33	81.88	24.55	0.6727	4,141
1963	724.38	75.00	1.33	14.45	25.89	0.6548	711
1964	7,058.14	75.00	1.33	140.81	26.58	0.6456	6,835
1965	7,812.71	75.00	1.33	155.86	27.28	0.6363	7,456
1966	10,011.99	75.00	1.33	199.74	27.98	0.6269	9,415
1967	43,565.99	75.00	1.33	869.14	28.70	0.6173	40,342
1968	10,878.68	75.00	1.33	217.03	29.42	0.6077	9,917
1969	87,569.53	75.00	1.33	1,747.01	30.15	0.5980	78,550
1970	231.46	75.00	1.33	4.62	30.89	0.5881	204
1971	46,602.13	75.00	1.33	929.71	31.64	0.5781	40,413
1972	385,787.28	75.00	1.33	7,696.46	32.39	0.5681	328,766
1973	561,586.54	75.00	1.33	11,203.65	33.15	0.5580	470,048
1974	207,152.64	75.00	1.33	4,132.70	33.92	0.5477	170,196
1975	82,011.40	75.00	1.33	1,636.13	34.70	0.5373	66,101
1976	34,649.55	75.00	1.33	691.26	35.49	0.5268	27,380
1977	211,699.76	75.00	1.33	4,223.41	36.28	0.5163	163,941
1978	211,836.21	75.00	1.33	4,226.13	37.08	0.5056	160,657
1979	71,415.51	75.00	1.33	1,424.74	37.88	0.4949	53,019
1980	268,054.40	75.00	1.33	5,347.69	38.70	0.4840	194,607
1981	288,601.23	75.00	1.33	5,757.59	39.52	0.4731	204,793
1982	227,659.65	75.00	1.33	4,541.81	40.34	0.4621	157,813
1983	221,890.55	75.00	1.33	4,426.72	41.18	0.4509	150,086
1984	184,151.86	75.00	1.33	3,673.83	42.02	0.4397	121,466
1985	310,832.70	75.00	1.33	6,201.11	42.86	0.4285	199,802
1986	530,097.21	75.00	1.33	10,575.44	43.72	0.4171	331,631
1988	339,853.77	75.00	1.33	6,780.08	45.44	0.3941	200,920
1989	560,063.91	75.00	1.33	11,173.28	46.31	0.3825	321,362
1990	1,094,301.69	75.00	1.33	21,831.32	47.18	0.3709	608,864
1991	619,853.61	75.00	1.33	12,366.08	48.07	0.3591	333,856
1992	649,851.32	75.00	1.33	12,964.53	48.95	0.3473	338,569
1993	501,563.81	75.00	1.33	10,006.20	49.85	0.3353	252,284

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 366.00 UNDERGROUND CONDUIT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 75-R3							
NET SALVAGE PERCENT.. -50							
1994	218,367.30	75.00	1.33	4,356.43	50.74	0.3235	105,953
1995	784,351.23	75.00	1.33	15,647.81	51.65	0.3113	366,288
1996	269,838.64	75.00	1.33	5,383.28	52.56	0.2992	121,104
1997	152,091.69	75.00	1.33	3,034.23	53.47	0.2871	65,491
1998	1,027,035.98	75.00	1.33	20,489.37	54.39	0.2748	423,344
1999	348,611.68	75.00	1.33	6,954.80	55.31	0.2625	137,282
2000	309,789.24	75.00	1.33	6,180.30	56.24	0.2501	116,231
2001	240,161.85	75.00	1.33	4,791.23	57.17	0.2377	85,641
2002	392,164.71	75.00	1.33	7,823.69	58.11	0.2252	132,473
2003	504,473.58	75.00	1.33	10,064.25	59.05	0.2127	160,930
2004	731,058.83	75.00	1.33	14,584.62	59.99	0.2001	219,460
2005	426,746.67	75.00	1.33	8,513.60	60.94	0.1875	120,003
2006	846,292.16	75.00	1.33	16,883.53	61.89	0.1748	221,898
2007	850,163.55	75.00	1.33	16,960.76	62.84	0.1621	206,756
2008	1,494,637.97	75.00	1.33	29,818.03	63.80	0.1493	334,791
2009	1,109,276.31	75.00	1.33	22,130.06	64.76	0.1365	227,174
2010	404,152.10	75.00	1.33	8,062.83	65.73	0.1236	74,930
2011	2,190,603.37	75.00	1.33	43,702.54	66.69	0.1108	364,078
2012	586,136.29	75.00	1.33	11,693.42	67.66	0.0979	86,048
2013	655,722.17	75.00	1.33	13,081.66	68.63	0.0849	83,536
2014	3,693,387.97	75.00	1.33	73,683.09	69.61	0.0719	398,166
2015	625,992.03	75.00	1.33	12,488.54	70.58	0.0589	55,335
2016	295,958.39	75.00	1.33	5,904.37	71.56	0.0459	20,363
2017	94,366.48	75.00	1.33	1,882.61	72.54	0.0328	4,643
2018	2,091,519.70	75.00	1.33	41,725.82	73.52	0.0197	61,899
2019	338,194.27	75.00	1.33	6,746.98	74.51	0.0065	3,313
28,506,356.95				568,701.85	9,299,439		

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 60-R4							
NET SALVAGE PERCENT.. -50							
1924	777.57	60.00				1.0000	1,166
1953	2,927.15	60.00	1.67	73.33	6.24	0.8960	3,934
1955	798.26	60.00	1.67	20.00	6.93	0.8845	1,059
1959	2,064.30	60.00	1.67	51.71	8.55	0.8575	2,655
1960	427.71	60.00	1.67	10.71	9.02	0.8497	545
1961	5,804.50	60.00	1.67	145.40	9.51	0.8415	7,327
1962	1,597.88	60.00	1.67	40.03	10.03	0.8328	1,996
1963	7,345.10	60.00	1.67	183.99	10.58	0.8237	9,075
1964	21,350.72	60.00	1.67	534.84	11.15	0.8142	26,075
1965	40,957.67	60.00	1.67	1,025.99	11.75	0.8042	49,405
1966	152,089.18	60.00	1.67	3,809.83	12.37	0.7938	181,099
1967	215,930.18	60.00	1.67	5,409.05	13.01	0.7832	253,665
1968	202,126.85	60.00	1.67	5,063.28	13.67	0.7722	234,114
1969	287,340.39	60.00	1.67	7,197.88	14.34	0.7610	327,999
1970	386,438.83	60.00	1.67	9,680.29	15.02	0.7497	434,552
1971	526,105.34	60.00	1.67	13,178.94	15.72	0.7380	582,399
1972	565,190.62	60.00	1.67	14,158.03	16.42	0.7263	615,772
1973	2,004,192.70	60.00	1.67	50,205.03	17.14	0.7143	2,147,482
1974	1,246,388.48	60.00	1.67	31,222.03	17.87	0.7022	1,312,765
1975	627,532.51	60.00	1.67	15,719.69	18.61	0.6898	649,336
1976	668,711.74	60.00	1.67	16,751.23	19.37	0.6772	679,247
1977	667,872.06	60.00	1.67	16,730.20	20.13	0.6645	665,701
1978	891,291.58	60.00	1.67	22,326.85	20.91	0.6515	871,015
1979	290,939.81	60.00	1.67	7,288.04	21.71	0.6382	278,504
1980	544,172.86	60.00	1.67	13,631.53	22.51	0.6248	510,023
1981	1,371,558.60	60.00	1.67	34,357.54	23.33	0.6112	1,257,383
1982	978,693.22	60.00	1.67	24,516.27	24.16	0.5973	876,904
1983	589,787.10	60.00	1.67	14,774.17	25.00	0.5833	516,061
1984	527,926.17	60.00	1.67	13,224.55	25.85	0.5692	450,720
1985	974,749.03	60.00	1.67	24,417.46	26.71	0.5548	811,230
1986	1,001,784.40	60.00	1.67	25,094.70	27.59	0.5402	811,701
1988	1,283,758.78	60.00	1.67	32,158.16	29.36	0.5107	983,366
1989	4,137,457.88	60.00	1.67	103,643.32	30.27	0.4955	3,075,166
1990	3,958,609.51	60.00	1.67	99,163.17	31.18	0.4803	2,852,158
1991	2,778,203.31	60.00	1.67	69,593.99	32.10	0.4650	1,937,797
1992	3,128,226.23	60.00	1.67	78,362.07	33.03	0.4495	2,109,207
1993	1,363,383.14	60.00	1.67	34,152.75	33.96	0.4340	887,562
1994	2,255,525.95	60.00	1.67	56,500.93	34.90	0.4183	1,415,331
1995	2,864,069.43	60.00	1.67	71,744.94	35.85	0.4025	1,729,182
1996	1,717,127.05	60.00	1.67	43,014.03	36.80	0.3867	995,942
1997	1,670,430.83	60.00	1.67	41,844.29	37.76	0.3707	928,768

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 367.00 UNDERGROUND CONDUCTORS AND DEVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR	ORIGINAL COST	AVG. LIFE	--ANNUAL RATE	ACCRUAL-- AMOUNT	EXP.	--ACCRUED FACTOR	DEPREC.-- AMOUNT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SURVIVOR CURVE.. IOWA 60-R4							
NET SALVAGE PERCENT.. -50							
1998	2,815,092.07	60.00	1.67	70,518.06	38.72	0.3547	1,497,643
1999	2,251,740.80	60.00	1.67	56,406.11	39.69	0.3385	1,143,321
2000	2,686,682.61	60.00	1.67	67,301.40	40.66	0.3223	1,298,998
2001	2,745,659.59	60.00	1.67	68,778.77	41.64	0.3060	1,260,258
2002	2,749,821.37	60.00	1.67	68,883.03	42.62	0.2897	1,194,811
2003	2,748,956.73	60.00	1.67	68,861.37	43.60	0.2733	1,127,059
2004	2,200,701.15	60.00	1.67	55,127.56	44.58	0.2570	848,370
2005	3,416,450.46	60.00	1.67	85,582.08	45.57	0.2405	1,232,485
2006	2,795,482.20	60.00	1.67	70,026.83	46.56	0.2240	939,282
2007	4,037,498.89	60.00	1.67	101,139.35	47.55	0.2075	1,256,672
2008	5,126,208.47	60.00	1.67	128,411.52	48.54	0.1910	1,468,659
2009	4,564,947.56	60.00	1.67	114,351.94	49.53	0.1745	1,194,875
2010	5,029,642.33	60.00	1.67	125,992.54	50.52	0.1580	1,192,025
2011	6,739,078.76	60.00	1.67	168,813.92	51.52	0.1413	1,428,651
2012	5,949,319.92	60.00	1.67	149,030.46	52.51	0.1248	1,113,980
2013	5,466,306.20	60.00	1.67	136,930.97	53.51	0.1082	886,936
2014	8,842,903.80	60.00	1.67	221,514.74	54.51	0.0915	1,213,689
2015	7,565,298.66	60.00	1.67	189,510.73	55.51	0.0748	849,167
2016	6,185,144.53	60.00	1.67	154,937.87	56.50	0.0583	541,169
2017	4,869,548.85	60.00	1.67	121,982.20	57.50	0.0417	304,371
2018	7,990,409.57	60.00	1.67	200,159.76	58.50	0.0250	299,640
2019	4,385,847.71	60.00	1.67	109,865.49	59.50	0.0083	54,801
141,124,406.85				3,535,146.94	53,832,250		
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.50							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.10 LINE TRANSFORMERS - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1915	65.52	50.00				1.0000	79
1916	120.04	50.00				1.0000	144
1917	866.02	50.00				1.0000	1,039
1918	576.29	50.00				1.0000	692
1919	112.92	50.00				1.0000	136
1920	538.83	50.00	2.00	12.93	0.26	0.9948	643
1921	801.38	50.00	2.00	19.23	0.75	0.9850	947
1922	1,093.12	50.00	2.00	26.23	1.23	0.9754	1,279
1923	1,275.07	50.00	2.00	30.60	1.71	0.9658	1,478
1924	1,076.98	50.00	2.00	25.85	2.19	0.9562	1,236
1925	2,989.53	50.00	2.00	71.75	2.66	0.9468	3,397
1926	2,619.41	50.00	2.00	62.87	3.13	0.9374	2,947
1927	1,956.86	50.00	2.00	46.96	3.59	0.9282	2,180
1928	2,133.89	50.00	2.00	51.21	4.04	0.9192	2,354
1929	2,707.10	50.00	2.00	64.97	4.49	0.9102	2,957
1930	3,201.83	50.00	2.00	76.84	4.93	0.9014	3,463
1931	1,567.88	50.00	2.00	37.63	5.36	0.8928	1,680
1932	86.93	50.00	2.00	2.09	5.79	0.8842	92
1933	413.01	50.00	2.00	9.91	6.21	0.8758	434
1934	554.64	50.00	2.00	13.31	6.62	0.8676	577
1935	448.96	50.00	2.00	10.78	7.03	0.8594	463
1936	2,776.04	50.00	2.00	66.62	7.44	0.8512	2,836
1937	2,731.74	50.00	2.00	65.56	7.84	0.8432	2,764
1938	2,128.30	50.00	2.00	51.08	8.24	0.8352	2,133
1939	1,528.60	50.00	2.00	36.69	8.64	0.8272	1,517
1940	2,569.24	50.00	2.00	61.66	9.04	0.8192	2,526
1941	2,487.80	50.00	2.00	59.71	9.43	0.8114	2,422
1942	1,395.20	50.00	2.00	33.48	9.83	0.8034	1,345
1943	1,000.53	50.00	2.00	24.01	10.23	0.7954	955
1944	1,276.33	50.00	2.00	30.63	10.62	0.7876	1,206
1945	4,284.49	50.00	2.00	102.83	11.02	0.7796	4,008
1946	9,949.18	50.00	2.00	238.78	11.42	0.7716	9,212
1947	11,541.32	50.00	2.00	276.99	11.82	0.7636	10,576
1948	32,567.89	50.00	2.00	781.63	12.22	0.7556	29,530
1949	18,063.12	50.00	2.00	433.51	12.62	0.7476	16,205
1950	32,167.13	50.00	2.00	772.01	13.02	0.7396	28,549
1951	26,613.22	50.00	2.00	638.72	13.43	0.7314	23,358
1952	21,860.35	50.00	2.00	524.65	13.84	0.7232	18,971
1953	52,400.18	50.00	2.00	1,257.60	14.25	0.7150	44,959
1954	43,256.07	50.00	2.00	1,038.15	14.67	0.7066	36,678
1955	76,747.70	50.00	2.00	1,841.94	15.09	0.6982	64,302

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.10 LINE TRANSFORMERS - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL RATE (4)	ACCRUAL-- AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1956	70,764.36	50.00	2.00	1,698.34	15.51	0.6898	58,576
1957	72,512.33	50.00	2.00	1,740.30	15.93	0.6814	59,292
1958	60,524.64	50.00	2.00	1,452.59	16.36	0.6728	48,865
1959	103,427.95	50.00	2.00	2,482.27	16.80	0.6640	82,411
1960	88,855.68	50.00	2.00	2,132.54	17.23	0.6554	69,883
1961	82,830.50	50.00	2.00	1,987.93	17.67	0.6466	64,270
1962	94,348.23	50.00	2.00	2,264.36	18.12	0.6376	72,188
1963	105,921.54	50.00	2.00	2,542.12	18.57	0.6286	79,899
1964	118,479.35	50.00	2.00	2,843.50	19.02	0.6196	88,092
1965	237,887.38	50.00	2.00	5,709.30	19.48	0.6104	174,248
1966	435,649.95	50.00	2.00	10,455.60	19.94	0.6012	314,295
1967	655,666.12	50.00	2.00	15,735.99	20.40	0.5920	465,785
1968	343,911.35	50.00	2.00	8,253.87	20.87	0.5826	240,435
1969	625,723.44	50.00	2.00	15,017.36	21.35	0.5730	430,247
1970	589,753.03	50.00	2.00	14,154.07	21.83	0.5634	398,720
1971	535,113.77	50.00	2.00	12,842.73	22.31	0.5538	355,615
1972	774,783.86	50.00	2.00	18,594.81	22.80	0.5440	505,779
1973	1,292,503.70	50.00	2.00	31,020.09	23.29	0.5342	828,547
1974	1,441,755.41	50.00	2.00	34,602.13	23.79	0.5242	906,922
1975	129,806.75	50.00	2.00	3,115.36	24.30	0.5140	80,065
1976	119,839.76	50.00	2.00	2,876.15	24.80	0.5040	72,479
1977	245,822.18	50.00	2.00	5,899.73	25.32	0.4936	145,605
1978	277,250.21	50.00	2.00	6,654.01	25.83	0.4834	160,827
1979	208,811.80	50.00	2.00	5,011.48	26.35	0.4730	118,522
1980	261,836.38	50.00	2.00	6,284.07	26.88	0.4624	145,288
1981	301,305.85	50.00	2.00	7,231.34	27.41	0.4518	163,356
1982	226,906.08	50.00	2.00	5,445.75	27.94	0.4412	120,133
1983	292,804.50	50.00	2.00	7,027.31	28.48	0.4304	151,228
1984	406,131.86	50.00	2.00	9,747.16	29.02	0.4196	204,496
1985	626,461.65	50.00	2.00	15,035.08	29.57	0.4086	307,167
1986	722,174.60	50.00	2.00	17,332.19	30.12	0.3976	344,564
1987	696,467.76	50.00	2.00	16,715.23	30.68	0.3864	322,938
1988	677,359.53	50.00	2.00	16,256.63	31.24	0.3752	304,974
1989	689,722.60	50.00	2.00	16,553.34	31.80	0.3640	301,271
1990	917,664.98	50.00	2.00	22,023.96	32.36	0.3528	388,503
1991	871,452.88	50.00	2.00	20,914.87	32.93	0.3414	357,017
1992	712,812.08	50.00	2.00	17,107.49	33.51	0.3298	282,103
1993	577,490.36	50.00	2.00	13,859.77	34.08	0.3184	220,648
1994	1,052,645.00	50.00	2.00	25,263.48	34.66	0.3068	387,542
1995	584,271.89	50.00	2.00	14,022.53	35.24	0.2952	206,972
1996	546,205.35	50.00	2.00	13,108.93	35.82	0.2836	185,885

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.10 LINE TRANSFORMERS - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1997	492,324.78	50.00	2.00	11,815.79	36.41	0.2718	160,577
1998	719,708.29	50.00	2.00	17,273.00	37.00	0.2600	224,549
1999	648,717.78	50.00	2.00	15,569.23	37.59	0.2482	193,214
2000	1,189,805.88	50.00	2.00	28,555.34	38.18	0.2364	337,524
2001	772,272.90	50.00	2.00	18,534.55	38.77	0.2246	208,143
2002	1,486,742.69	50.00	2.00	35,681.82	39.36	0.2128	379,655
2003	773,183.07	50.00	2.00	18,556.39	39.96	0.2008	186,306
2004	1,142,442.53	50.00	2.00	27,418.62	40.56	0.1888	258,832
2005	1,114,144.62	50.00	2.00	26,739.47	41.16	0.1768	236,377
2006	1,946,375.04	50.00	2.00	46,713.00	41.76	0.1648	384,915
2007	1,954,365.63	50.00	2.00	46,904.78	42.36	0.1528	358,352
2008	2,259,332.58	50.00	2.00	54,223.98	42.96	0.1408	381,737
2009	2,141,746.58	50.00	2.00	51,401.92	43.56	0.1288	331,028
2010	2,003,123.19	50.00	2.00	48,074.96	44.17	0.1166	280,277
2011	1,474,904.54	50.00	2.00	35,397.71	44.78	0.1044	184,776
2012	411,061.17	50.00	2.00	9,865.47	45.38	0.0924	45,578
2013	228,653.01	50.00	2.00	5,487.67	45.99	0.0802	22,006
2014	3,597,070.13	50.00	2.00	86,329.68	46.61	0.0678	292,658
2015	1,238,476.73	50.00	2.00	29,723.44	47.22	0.0556	82,631
2016	1,661,680.90	50.00	2.00	39,880.34	47.83	0.0434	86,540
2017	784,423.67	50.00	2.00	18,826.17	48.45	0.0310	29,181
2018	2,640,056.72	50.00	2.00	63,361.36	49.07	0.0186	58,926
2019	2,998,319.20	50.00	2.00	71,959.66	49.69	0.0062	22,307
	52,927,138.91			1,270,209.52			15,294,010
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.40							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.20 LINE TRANSFORMERS - OVERHEAD INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1913	26.43	50.00				1.0000	32
1915	22.36	50.00				1.0000	27
1916	10.36	50.00				1.0000	12
1917	38.09	50.00				1.0000	46
1918	43.30	50.00				1.0000	52
1920	423.12	50.00	2.00	10.15	0.26	0.9948	505
1921	27.26	50.00	2.00	0.65	0.75	0.9850	32
1922	96.75	50.00	2.00	2.32	1.23	0.9754	113
1923	137.57	50.00	2.00	3.30	1.71	0.9658	159
1924	13.60	50.00	2.00	0.33	2.19	0.9562	16
1925	223.69	50.00	2.00	5.37	2.66	0.9468	254
1926	402.76	50.00	2.00	9.67	3.13	0.9374	453
1927	170.98	50.00	2.00	4.10	3.59	0.9282	190
1928	140.26	50.00	2.00	3.37	4.04	0.9192	155
1929	391.42	50.00	2.00	9.39	4.49	0.9102	428
1930	324.92	50.00	2.00	7.80	4.93	0.9014	351
1931	257.82	50.00	2.00	6.19	5.36	0.8928	276
1932	55.40	50.00	2.00	1.33	5.79	0.8842	59
1933	112.52	50.00	2.00	2.70	6.21	0.8758	118
1934	13.43	50.00	2.00	0.32	6.62	0.8676	14
1935	273.49	50.00	2.00	6.56	7.03	0.8594	282
1936	645.40	50.00	2.00	15.49	7.44	0.8512	659
1937	400.63	50.00	2.00	9.62	7.84	0.8432	405
1938	536.78	50.00	2.00	12.88	8.24	0.8352	538
1939	729.49	50.00	2.00	17.51	8.64	0.8272	724
1940	681.23	50.00	2.00	16.35	9.04	0.8192	670
1941	587.79	50.00	2.00	14.11	9.43	0.8114	572
1942	427.62	50.00	2.00	10.26	9.83	0.8034	412
1943	292.98	50.00	2.00	7.03	10.23	0.7954	280
1944	481.10	50.00	2.00	11.55	10.62	0.7876	455
1945	539.12	50.00	2.00	12.94	11.02	0.7796	504
1946	951.10	50.00	2.00	22.83	11.42	0.7716	881
1947	855.41	50.00	2.00	20.53	11.82	0.7636	784
1948	1,391.01	50.00	2.00	33.38	12.22	0.7556	1,261
1949	1,810.36	50.00	2.00	43.45	12.62	0.7476	1,624
1950	3,025.44	50.00	2.00	72.61	13.02	0.7396	2,685
1951	2,753.51	50.00	2.00	66.08	13.43	0.7314	2,417
1952	2,420.37	50.00	2.00	58.09	13.84	0.7232	2,100
1953	2,931.44	50.00	2.00	70.35	14.25	0.7150	2,515
1954	11,918.17	50.00	2.00	286.04	14.67	0.7066	10,106
1955	7,914.69	50.00	2.00	189.95	15.09	0.6982	6,631

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.20 LINE TRANSFORMERS - OVERHEAD INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1956	10,474.70	50.00	2.00	251.39	15.51	0.6898	8,671
1957	7,806.90	50.00	2.00	187.37	15.93	0.6814	6,384
1958	7,141.96	50.00	2.00	171.41	16.36	0.6728	5,766
1959	14,909.04	50.00	2.00	357.82	16.80	0.6640	11,880
1960	12,332.63	50.00	2.00	295.98	17.23	0.6554	9,699
1961	14,089.00	50.00	2.00	338.14	17.67	0.6466	10,932
1962	18,000.00	50.00	2.00	432.00	18.12	0.6376	13,772
1963	20,550.00	50.00	2.00	493.20	18.57	0.6286	15,501
1964	24,717.00	50.00	2.00	593.21	19.02	0.6196	18,378
1965	48,149.26	50.00	2.00	1,155.58	19.48	0.6104	35,268
1966	92,824.90	50.00	2.00	2,227.80	19.94	0.6012	66,968
1967	38,577.60	50.00	2.00	925.86	20.40	0.5920	27,406
1968	74,731.15	50.00	2.00	1,793.55	20.87	0.5826	52,246
1969	57,244.00	50.00	2.00	1,373.86	21.35	0.5730	39,361
1970	172,319.29	50.00	2.00	4,135.66	21.83	0.5634	116,502
1971	170,426.36	50.00	2.00	4,090.23	22.31	0.5538	113,259
1972	298,213.00	50.00	2.00	7,157.11	22.80	0.5440	194,673
1973	327,913.00	50.00	2.00	7,869.91	23.29	0.5342	210,205
1974	232,691.00	50.00	2.00	5,584.58	23.79	0.5242	146,372
1975	148,545.00	50.00	2.00	3,565.08	24.30	0.5140	91,623
1976	154,636.00	50.00	2.00	3,711.26	24.80	0.5040	93,524
1977	174,934.00	50.00	2.00	4,198.42	25.32	0.4936	103,617
1978	122,937.00	50.00	2.00	2,950.49	25.83	0.4834	71,313
1979	163,754.00	50.00	2.00	3,930.10	26.35	0.4730	92,947
1980	155,783.00	50.00	2.00	3,738.79	26.88	0.4624	86,441
1981	198,118.82	50.00	2.00	4,754.85	27.41	0.4518	107,412
1982	168,558.49	50.00	2.00	4,045.40	27.94	0.4412	89,242
1983	137,642.69	50.00	2.00	3,303.42	28.48	0.4304	71,090
1984	158,842.03	50.00	2.00	3,812.21	29.02	0.4196	79,980
1985	261,729.93	50.00	2.00	6,281.52	29.57	0.4086	128,331
1986	284,218.30	50.00	2.00	6,821.24	30.12	0.3976	135,606
1987	330,056.65	50.00	2.00	7,921.36	30.68	0.3864	153,041
1988	324,462.32	50.00	2.00	7,787.10	31.24	0.3752	146,086
1989	235,928.98	50.00	2.00	5,662.30	31.80	0.3640	103,054
1990	268,241.19	50.00	2.00	6,437.79	32.36	0.3528	113,563
1991	296,220.63	50.00	2.00	7,109.30	32.93	0.3414	121,356
1992	314,264.65	50.00	2.00	7,542.35	33.51	0.3298	124,373
1993	303,970.25	50.00	2.00	7,295.29	34.08	0.3184	116,141
1994	241,018.62	50.00	2.00	5,784.45	34.66	0.3068	88,733
1995	185,852.75	50.00	2.00	4,460.47	35.24	0.2952	65,836
1996	108,994.26	50.00	2.00	2,615.86	35.82	0.2836	37,093

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.20 LINE TRANSFORMERS - OVERHEAD INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1997	109,334.97	50.00	2.00	2,624.04	36.41	0.2718	35,661
1998	138,665.60	50.00	2.00	3,327.97	37.00	0.2600	43,264
1999	81,006.02	50.00	2.00	1,944.14	37.59	0.2482	24,127
2000	298,523.84	50.00	2.00	7,164.57	38.18	0.2364	84,685
2001	253,413.66	50.00	2.00	6,081.93	38.77	0.2246	68,300
2002	639,514.41	50.00	2.00	15,348.35	39.36	0.2128	163,306
2003	558,847.95	50.00	2.00	13,412.35	39.96	0.2008	134,660
2004	656,283.63	50.00	2.00	15,750.81	40.56	0.1888	148,688
2005	944,651.13	50.00	2.00	22,671.63	41.16	0.1768	200,417
2006	1,155,799.48	50.00	2.00	27,739.19	41.76	0.1648	228,571
2007	756,182.72	50.00	2.00	18,148.39	42.36	0.1528	138,654
2008	2,133,408.39	50.00	2.00	51,201.80	42.96	0.1408	360,461
2009	1,510,999.00	50.00	2.00	36,263.98	43.56	0.1288	233,540
2010	791,765.02	50.00	2.00	19,002.36	44.17	0.1166	110,784
2011	655,694.27	50.00	2.00	15,736.66	44.78	0.1044	82,145
2012	1,103,460.87	50.00	2.00	26,483.06	45.38	0.0924	122,352
2013	3,478,262.16	50.00	2.00	83,478.29	45.99	0.0802	334,748
2014	1,360,984.08	50.00	2.00	32,663.62	46.61	0.0678	110,730
2015	400,005.62	50.00	2.00	9,600.13	47.22	0.0556	26,688
2016	1,459,498.62	50.00	2.00	35,027.97	47.83	0.0434	76,011
2017	1,477,558.62	50.00	2.00	35,461.41	48.45	0.0310	54,965
2018	1,588,925.50	50.00	2.00	38,134.21	49.07	0.0186	35,465
2019	1,546,362.31	50.00	2.00	37,112.70	49.69	0.0062	11,505
	29,525,467.39			708,607.87			6,193,169

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.40

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.30 LINE TRANSFORMERS - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL RATE (4)	ACCRUAL-- AMOUNT (5)	EXP. (6)	--ACCRUED FACTOR (7)	DEPREC.-- AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1966	11,377.68	50.00	2.00	273.06	19.94	0.6012	8,208
1967	31,402.82	50.00	2.00	753.67	20.40	0.5920	22,309
1968	2,423.92	50.00	2.00	58.17	20.87	0.5826	1,695
1969	85,331.89	50.00	2.00	2,047.97	21.35	0.5730	58,674
1970	93,572.49	50.00	2.00	2,245.74	21.83	0.5634	63,262
1971	207,571.41	50.00	2.00	4,981.71	22.31	0.5538	137,944
1972	247,337.49	50.00	2.00	5,936.10	22.80	0.5440	161,462
1973	967,473.58	50.00	2.00	23,219.37	23.29	0.5342	620,189
1974	618,431.35	50.00	2.00	14,842.35	23.79	0.5242	389,018
1975	96,112.14	50.00	2.00	2,306.69	24.30	0.5140	59,282
1976	26,660.01	50.00	2.00	639.84	24.80	0.5040	16,124
1977	32,998.19	50.00	2.00	791.96	25.32	0.4936	19,545
1978	35,423.05	50.00	2.00	850.15	25.83	0.4834	20,548
1979	153,879.27	50.00	2.00	3,693.10	26.35	0.4730	87,342
1980	316,161.45	50.00	2.00	7,587.87	26.88	0.4624	175,432
1981	283,746.67	50.00	2.00	6,809.92	27.41	0.4518	153,836
1982	211,186.08	50.00	2.00	5,068.47	27.94	0.4412	111,810
1983	239,657.84	50.00	2.00	5,751.79	28.48	0.4304	123,778
1984	398,945.12	50.00	2.00	9,574.68	29.02	0.4196	200,877
1985	534,980.41	50.00	2.00	12,839.53	29.57	0.4086	262,312
1986	643,839.36	50.00	2.00	15,452.14	30.12	0.3976	307,189
1987	975,074.77	50.00	2.00	23,401.79	30.68	0.3864	452,123
1988	713,813.35	50.00	2.00	17,131.52	31.24	0.3752	321,387
1989	802,513.77	50.00	2.00	19,260.33	31.80	0.3640	350,538
1990	683,820.16	50.00	2.00	16,411.68	32.36	0.3528	289,502
1991	483,801.20	50.00	2.00	11,611.23	32.93	0.3414	198,204
1992	646,420.25	50.00	2.00	15,514.09	33.51	0.3298	255,827
1993	484,139.02	50.00	2.00	11,619.34	34.08	0.3184	184,980
1994	597,130.74	50.00	2.00	14,331.14	34.66	0.3068	219,840
1995	605,343.26	50.00	2.00	14,528.24	35.24	0.2952	214,437
1996	484,593.84	50.00	2.00	11,630.25	35.82	0.2836	164,917
1997	669,801.13	50.00	2.00	16,075.23	36.41	0.2718	218,462
1998	521,877.21	50.00	2.00	12,525.05	37.00	0.2600	162,826
1999	621,225.61	50.00	2.00	14,909.41	37.59	0.2482	185,026
2000	1,107,122.66	50.00	2.00	26,570.94	38.18	0.2364	314,069
2001	604,265.68	50.00	2.00	14,502.38	38.77	0.2246	162,862
2002	952,873.72	50.00	2.00	22,868.97	39.36	0.2128	243,326
2003	442,153.60	50.00	2.00	10,611.69	39.96	0.2008	106,541
2004	880,704.26	50.00	2.00	21,136.90	40.56	0.1888	199,532
2005	1,130,427.46	50.00	2.00	27,130.26	41.16	0.1768	239,831
2006	1,758,782.18	50.00	2.00	42,210.77	41.76	0.1648	347,817

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.30 LINE TRANSFORMERS - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
2007	1,959,985.05	50.00	2.00	47,039.64	42.36	0.1528	359,383
2008	2,835,022.76	50.00	2.00	68,040.55	42.96	0.1408	479,005
2009	2,196,181.58	50.00	2.00	52,708.36	43.56	0.1288	339,442
2010	1,005,540.71	50.00	2.00	24,132.98	44.17	0.1166	140,695
2011	1,796,420.70	50.00	2.00	43,114.10	44.78	0.1044	225,056
2012	547,478.84	50.00	2.00	13,139.49	45.38	0.0924	60,704
2013	506,245.07	50.00	2.00	12,149.88	45.99	0.0802	48,721
2014	1,607,727.22	50.00	2.00	38,585.45	46.61	0.0678	130,805
2015	900,047.27	50.00	2.00	21,601.13	47.22	0.0556	60,051
2016	682,351.39	50.00	2.00	16,376.43	47.83	0.0434	35,537
2017	1,978,434.82	50.00	2.00	47,482.44	48.45	0.0310	73,598
2018	1,966,194.31	50.00	2.00	47,188.66	49.07	0.0186	43,885
2019	2,398,787.91	50.00	2.00	57,570.91	49.69	0.0062	17,847
	40,784,813.72			978,835.51			9,847,612
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.40							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.40 LINE TRANSFORMERS - UNDERGROUND INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
1951	306.89	50.00	2.00	7.37	13.43	0.7314	269
1968	15,010.00	50.00	2.00	360.24	20.87	0.5826	10,494
1969	6,320.00	50.00	2.00	151.68	21.35	0.5730	4,346
1970	48,527.00	50.00	2.00	1,164.65	21.83	0.5634	32,808
1971	48,774.00	50.00	2.00	1,170.58	22.31	0.5538	32,413
1972	71,665.00	50.00	2.00	1,719.96	22.80	0.5440	46,783
1973	97,757.00	50.00	2.00	2,346.17	23.29	0.5342	62,666
1974	55,041.00	50.00	2.00	1,320.98	23.79	0.5242	34,623
1975	28,150.00	50.00	2.00	675.60	24.30	0.5140	17,363
1976	37,546.00	50.00	2.00	901.10	24.80	0.5040	22,708
1977	30,915.00	50.00	2.00	741.96	25.32	0.4936	18,312
1978	20,315.00	50.00	2.00	487.56	25.83	0.4834	11,784
1979	40,050.00	50.00	2.00	961.20	26.35	0.4730	22,732
1980	43,540.00	50.00	2.00	1,044.96	26.88	0.4624	24,159
1981	55,679.00	50.00	2.00	1,336.30	27.41	0.4518	30,187
1982	60,640.00	50.00	2.00	1,455.36	27.94	0.4412	32,105
1983	51,730.00	50.00	2.00	1,241.52	28.48	0.4304	26,718
1984	45,784.89	50.00	2.00	1,098.84	29.02	0.4196	23,054
1985	78,944.01	50.00	2.00	1,894.66	29.57	0.4086	38,708
1986	98,642.73	50.00	2.00	2,367.43	30.12	0.3976	47,064
1987	131,175.62	50.00	2.00	3,148.21	30.68	0.3864	60,824
1988	130,140.91	50.00	2.00	3,123.38	31.24	0.3752	58,595
1989	104,185.24	50.00	2.00	2,500.45	31.80	0.3640	45,508
1990	114,664.37	50.00	2.00	2,751.94	32.36	0.3528	48,544
1991	100,622.37	50.00	2.00	2,414.94	32.93	0.3414	41,223
1992	164,524.62	50.00	2.00	3,948.59	33.51	0.3298	65,112
1993	126,622.54	50.00	2.00	3,038.94	34.08	0.3184	48,380
1994	91,645.33	50.00	2.00	2,199.49	34.66	0.3068	33,740
1995	54,148.15	50.00	2.00	1,299.56	35.24	0.2952	19,181
1996	56,672.99	50.00	2.00	1,360.15	35.82	0.2836	19,287
1997	88,525.71	50.00	2.00	2,124.62	36.41	0.2718	28,874
1998	58,194.28	50.00	2.00	1,396.66	37.00	0.2600	18,157
1999	47,523.72	50.00	2.00	1,140.57	37.59	0.2482	14,154
2000	119,018.41	50.00	2.00	2,856.44	38.18	0.2364	33,763
2001	164,727.63	50.00	2.00	3,953.46	38.77	0.2246	44,397
2002	54,554.78	50.00	2.00	1,309.31	39.36	0.2128	13,931
2003	151,128.71	50.00	2.00	3,627.09	39.96	0.2008	36,416
2004	146,846.39	50.00	2.00	3,524.31	40.56	0.1888	33,270
2005	193,293.46	50.00	2.00	4,639.04	41.16	0.1768	41,009
2006	188,839.77	50.00	2.00	4,532.15	41.76	0.1648	37,345
2007	299,967.32	50.00	2.00	7,199.22	42.36	0.1528	55,002

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 368.40 LINE TRANSFORMERS - UNDERGROUND INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R0.5							
NET SALVAGE PERCENT.. -20							
2008	746,152.50	50.00	2.00	17,907.66	42.96	0.1408	126,070
2009	440,126.18	50.00	2.00	10,563.03	43.56	0.1288	68,026
2010	299,901.41	50.00	2.00	7,197.63	44.17	0.1166	41,962
2011	534,833.23	50.00	2.00	12,836.00	44.78	0.1044	67,004
2012	645,562.68	50.00	2.00	15,493.50	45.38	0.0924	71,580
2013	2,884,562.56	50.00	2.00	69,229.50	45.99	0.0802	277,610
2014	574,311.51	50.00	2.00	13,783.48	46.61	0.0678	46,726
2015	522,016.70	50.00	2.00	12,528.40	47.22	0.0556	34,829
2016	694,306.53	50.00	2.00	16,663.36	47.83	0.0434	36,159
2017	1,930,203.33	50.00	2.00	46,324.88	48.45	0.0310	71,804
2018	643,186.36	50.00	2.00	15,436.47	49.07	0.0186	14,356
2019	1,018,578.05	50.00	2.00	24,445.87	49.69	0.0062	7,578
	14,456,100.88			346,946.42			2,199,712
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.40							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
1920	0.02	65.00				0.9619	
1925	0.02	65.00				0.9425	
1927	90.34	65.00	1.54	2.92	4.26	0.9345	177
1928	86.77	65.00	1.54	2.81	4.52	0.9305	170
1929	113.46	65.00	1.54	3.67	4.78	0.9265	221
1930	166.93	65.00	1.54	5.40	5.03	0.9226	323
1932	202.90	65.00	1.54	6.56	5.55	0.9146	390
1933	293.72	65.00	1.54	9.50	5.81	0.9106	562
1934	1,197.69	65.00	1.54	38.73	6.07	0.9066	2,280
1935	1,546.22	65.00	1.54	50.00	6.33	0.9026	2,931
1936	1,581.75	65.00	1.54	51.15	6.60	0.8985	2,984
1937	2,007.14	65.00	1.54	64.91	6.87	0.8943	3,770
1938	2,305.65	65.00	1.54	74.56	7.14	0.8902	4,310
1939	1,715.17	65.00	1.54	55.47	7.43	0.8857	3,190
1940	1,999.94	65.00	1.54	64.68	7.71	0.8814	3,702
1941	2,300.25	65.00	1.54	74.39	8.01	0.8768	4,235
1942	1,267.51	65.00	1.54	40.99	8.31	0.8722	2,321
1943	459.52	65.00	1.54	14.86	8.63	0.8672	837
1944	809.53	65.00	1.54	26.18	8.95	0.8623	1,466
1945	1,613.40	65.00	1.54	52.18	9.29	0.8571	2,904
1946	5,256.77	65.00	1.54	170.00	9.63	0.8519	9,404
1947	8,540.12	65.00	1.54	276.19	9.99	0.8463	15,178
1948	9,874.89	65.00	1.54	319.35	10.36	0.8406	17,432
1949	12,054.18	65.00	1.54	389.83	10.75	0.8346	21,127
1950	15,474.90	65.00	1.54	500.46	11.15	0.8285	26,923
1951	14,619.82	65.00	1.54	472.80	11.56	0.8222	25,241
1952	15,671.03	65.00	1.54	506.80	11.99	0.8155	26,839
1953	31,945.96	65.00	1.54	1,033.13	12.43	0.8088	54,258
1954	27,023.53	65.00	1.54	873.94	12.88	0.8019	45,505
1955	41,523.39	65.00	1.54	1,342.87	13.35	0.7946	69,290
1956	72,691.68	65.00	1.54	2,350.85	13.84	0.7871	120,150
1957	105,624.58	65.00	1.54	3,415.90	14.33	0.7795	172,911
1958	105,400.45	65.00	1.54	3,408.65	14.85	0.7715	170,773
1959	136,174.71	65.00	1.54	4,403.89	15.38	0.7634	218,301
1960	134,734.15	65.00	1.54	4,357.30	15.92	0.7551	213,644
1961	143,563.93	65.00	1.54	4,642.86	16.48	0.7465	225,046
1962	154,519.92	65.00	1.54	4,997.17	17.05	0.7377	239,374
1963	129,590.27	65.00	1.54	4,190.95	17.63	0.7288	198,327
1964	143,715.44	65.00	1.54	4,647.76	18.23	0.7195	217,159
1965	175,693.78	65.00	1.54	5,681.94	18.84	0.7102	262,015
1966	181,714.35	65.00	1.54	5,876.64	19.46	0.7006	267,357

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
1967	164,328.33	65.00	1.54	5,314.38	20.10	0.6908	238,377
1968	189,885.51	65.00	1.54	6,140.90	20.75	0.6808	271,464
1969	189,832.37	65.00	1.54	6,139.18	21.41	0.6706	267,341
1970	242,393.72	65.00	1.54	7,839.01	22.08	0.6603	336,115
1971	218,856.93	65.00	1.54	7,077.83	22.76	0.6499	298,671
1972	272,472.07	65.00	1.54	8,811.75	23.45	0.6392	365,762
1973	354,755.82	65.00	1.54	11,472.80	24.16	0.6283	468,083
1974	292,824.50	65.00	1.54	9,469.94	24.87	0.6174	379,646
1975	254,417.06	65.00	1.54	8,227.85	25.59	0.6063	323,937
1976	208,884.09	65.00	1.54	6,755.31	26.33	0.5949	260,966
1977	201,650.12	65.00	1.54	6,521.36	27.07	0.5835	247,109
1978	183,767.97	65.00	1.54	5,943.06	27.82	0.5720	220,742
1979	235,108.16	65.00	1.54	7,603.40	28.58	0.5603	276,640
1980	265,758.72	65.00	1.54	8,594.64	29.35	0.5485	306,092
1981	233,223.65	65.00	1.54	7,542.45	30.13	0.5365	262,742
1982	262,048.45	65.00	1.54	8,474.65	30.91	0.5245	288,611
1983	296,877.67	65.00	1.54	9,601.02	31.71	0.5122	319,296
1984	349,661.48	65.00	1.54	11,308.05	32.51	0.4999	367,034
1985	434,120.12	65.00	1.54	14,039.44	33.32	0.4874	444,321
1986	511,757.22	65.00	1.54	16,550.23	34.14	0.4748	510,231
1987	566,499.26	65.00	1.54	18,320.59	34.96	0.4622	549,796
1988	569,935.03	65.00	1.54	18,431.70	35.80	0.4492	537,667
1989	731,546.18	65.00	1.54	23,658.20	36.64	0.4363	670,280
1990	674,756.47	65.00	1.54	21,821.62	37.49	0.4232	599,712
1991	489,070.38	65.00	1.54	15,816.54	38.34	0.4102	421,244
1992	284,730.66	65.00	1.54	9,208.19	39.21	0.3968	237,242
1993	249,874.55	65.00	1.54	8,080.94	40.08	0.3834	201,174
1994	257,153.86	65.00	1.54	8,316.36	40.95	0.3700	199,809
1995	196,112.99	65.00	1.54	6,342.29	41.83	0.3565	146,804
1996	160,218.21	65.00	1.54	5,181.46	42.72	0.3428	115,328
1997	169,458.48	65.00	1.54	5,480.29	43.62	0.3289	117,050
1998	140,608.94	65.00	1.54	4,547.29	44.52	0.3151	93,036
1999	114,510.81	65.00	1.54	3,703.28	45.43	0.3011	72,402
2000	138,921.72	65.00	1.54	4,492.73	46.34	0.2871	83,751
2001	159,402.19	65.00	1.54	5,155.07	47.26	0.2729	91,358
2002	177,954.46	65.00	1.54	5,755.05	48.18	0.2588	96,703
2003	169,338.34	65.00	1.54	5,476.40	49.11	0.2445	86,933
2004	191,765.90	65.00	1.54	6,201.71	50.05	0.2300	92,623
2005	214,731.94	65.00	1.54	6,944.43	50.99	0.2155	97,195
2006	167,553.86	65.00	1.54	5,418.69	51.93	0.2011	70,753
2007	245,463.23	65.00	1.54	7,938.28	52.88	0.1865	96,115

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.10 SERVICES - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR	ORIGINAL COST	AVG. LIFE	--ANNUAL RATE	ACCRUAL--AMOUNT	EXP.	--ACCRUED FACTOR	DEPREC.--AMOUNT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
2008	273,439.62	65.00	1.54	8,843.04	53.83	0.1719	98,680
2009	251,832.23	65.00	1.54	8,144.25	54.78	0.1572	83,151
2010	256,261.16	65.00	1.54	8,287.49	55.74	0.1425	76,665
2011	236,085.71	65.00	1.54	7,635.01	56.71	0.1275	63,232
2012	257,936.18	65.00	1.54	8,341.66	57.67	0.1128	61,084
2013	350,770.25	65.00	1.54	11,343.91	58.64	0.0979	72,078
2014	284,317.02	65.00	1.54	9,194.81	59.61	0.0829	49,509
2015	387,322.61	65.00	1.54	12,526.01	60.59	0.0679	55,188
2016	325,665.72	65.00	1.54	10,532.03	61.56	0.0529	36,192
2017	412,937.91	65.00	1.54	13,354.41	62.54	0.0379	32,822
2018	272,731.81	65.00	1.54	8,820.15	63.52	0.0228	13,041
2019	263,825.62	65.00	1.54	8,532.12	64.51	0.0075	4,177
16,690,523.04				539,771.49		14,429,001	
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.23							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
1927	9.05	65.00	1.54	0.29	4.26	0.9345	18
1928	7.10	65.00	1.54	0.23	4.52	0.9305	14
1929	9.10	65.00	1.54	0.29	4.78	0.9265	18
1931	86.93	65.00	1.54	2.81	5.29	0.9186	168
1932	59.47	65.00	1.54	1.92	5.55	0.9146	114
1933	31.40	65.00	1.54	1.02	5.81	0.9106	60
1934	18.56	65.00	1.54	0.60	6.07	0.9066	35
1935	109.05	65.00	1.54	3.53	6.33	0.9026	207
1936	52.50	65.00	1.54	1.70	6.60	0.8985	99
1937	184.19	65.00	1.54	5.96	6.87	0.8943	346
1938	45.86	65.00	1.54	1.48	7.14	0.8902	86
1939	56.77	65.00	1.54	1.84	7.43	0.8857	106
1940	160.87	65.00	1.54	5.20	7.71	0.8814	298
1941	49.30	65.00	1.54	1.59	8.01	0.8768	91
1942	23.59	65.00	1.54	0.76	8.31	0.8722	43
1943	6.78	65.00	1.54	0.22	8.63	0.8672	12
1944	9.69	65.00	1.54	0.31	8.95	0.8623	18
1945	40.42	65.00	1.54	1.31	9.29	0.8571	73
1946	116.96	65.00	1.54	3.78	9.63	0.8519	209
1947	119.58	65.00	1.54	3.87	9.99	0.8463	213
1948	260.97	65.00	1.54	8.44	10.36	0.8406	461
1949	200.68	65.00	1.54	6.49	10.75	0.8346	352
1950	655.67	65.00	1.54	21.20	11.15	0.8285	1,141
1951	617.60	65.00	1.54	19.97	11.56	0.8222	1,066
1952	469.89	65.00	1.54	15.20	11.99	0.8155	805
1953	1,512.09	65.00	1.54	48.90	12.43	0.8088	2,568
1954	952.00	65.00	1.54	30.79	12.88	0.8019	1,603
1955	1,938.23	65.00	1.54	62.68	13.35	0.7946	3,234
1956	2,033.95	65.00	1.54	65.78	13.84	0.7871	3,362
1957	3,681.95	65.00	1.54	119.07	14.33	0.7795	6,027
1958	4,285.39	65.00	1.54	138.59	14.85	0.7715	6,943
1959	4,376.31	65.00	1.54	141.53	15.38	0.7634	7,016
1960	6,216.30	65.00	1.54	201.04	15.92	0.7551	9,857
1961	7,176.71	65.00	1.54	232.09	16.48	0.7465	11,250
1962	7,264.31	65.00	1.54	234.93	17.05	0.7377	11,253
1963	9,736.31	65.00	1.54	314.87	17.63	0.7288	14,901
1964	22,407.79	65.00	1.54	724.67	18.23	0.7195	33,859
1965	16,810.31	65.00	1.54	543.65	18.84	0.7102	25,069
1966	21,221.51	65.00	1.54	686.30	19.46	0.7006	31,223
1967	31,743.09	65.00	1.54	1,026.57	20.10	0.6908	46,047
1968	77,384.96	65.00	1.54	2,502.63	20.75	0.6808	110,631

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
1969	63,014.15	65.00	1.54	2,037.88	21.41	0.6706	88,743
1970	157,927.35	65.00	1.54	5,107.37	22.08	0.6603	218,990
1971	125,093.99	65.00	1.54	4,045.54	22.76	0.6499	170,714
1972	364,350.56	65.00	1.54	11,783.10	23.45	0.6392	489,098
1973	188,220.07	65.00	1.54	6,087.04	24.16	0.6283	248,347
1974	201,691.23	65.00	1.54	6,522.69	24.87	0.6174	261,492
1975	90,085.11	65.00	1.54	2,913.35	25.59	0.6063	114,701
1976	99,290.74	65.00	1.54	3,211.06	26.33	0.5949	124,047
1977	104,830.02	65.00	1.54	3,390.20	27.07	0.5835	128,462
1978	120,465.49	65.00	1.54	3,895.85	27.82	0.5720	144,703
1979	113,698.84	65.00	1.54	3,677.02	28.58	0.5603	133,784
1980	119,844.75	65.00	1.54	3,875.78	29.35	0.5485	138,033
1981	121,277.10	65.00	1.54	3,922.10	30.13	0.5365	136,627
1982	167,504.55	65.00	1.54	5,417.10	30.91	0.5245	184,484
1983	220,865.85	65.00	1.54	7,142.80	31.71	0.5122	237,545
1984	250,054.14	65.00	1.54	8,086.75	32.51	0.4999	262,478
1985	360,207.56	65.00	1.54	11,649.11	33.32	0.4874	368,672
1986	313,761.16	65.00	1.54	10,147.04	34.14	0.4748	312,825
1987	389,798.96	65.00	1.54	12,606.10	34.96	0.4622	378,306
1988	319,807.11	65.00	1.54	10,342.56	35.80	0.4492	301,701
1989	365,371.95	65.00	1.54	11,816.13	36.64	0.4363	334,772
1990	358,196.46	65.00	1.54	11,584.07	37.49	0.4232	318,359
1991	278,912.72	65.00	1.54	9,020.04	38.34	0.4102	240,232
1992	381,350.68	65.00	1.54	12,332.88	39.21	0.3968	317,748
1993	345,556.25	65.00	1.54	11,175.29	40.08	0.3834	278,207
1994	356,549.13	65.00	1.54	11,530.80	40.95	0.3700	277,039
1995	370,570.91	65.00	1.54	11,984.26	41.83	0.3565	277,397
1996	391,735.46	65.00	1.54	12,668.72	42.72	0.3428	281,978
1997	406,519.61	65.00	1.54	13,146.84	43.62	0.3289	280,796
1998	382,792.94	65.00	1.54	12,379.52	44.52	0.3151	253,282
1999	462,852.88	65.00	1.54	14,968.66	45.43	0.3011	292,647
2000	554,657.76	65.00	1.54	17,937.63	46.34	0.2871	334,385
2001	602,640.02	65.00	1.54	19,489.38	47.26	0.2729	345,392
2002	682,917.62	65.00	1.54	22,085.56	48.18	0.2588	371,109
2003	562,949.70	65.00	1.54	18,205.79	49.11	0.2445	288,999
2004	828,680.93	65.00	1.54	26,799.54	50.05	0.2300	400,253
2005	731,010.82	65.00	1.54	23,640.89	50.99	0.2155	330,880
2006	948,227.69	65.00	1.54	30,665.68	51.93	0.2011	400,406
2007	829,820.85	65.00	1.54	26,836.41	52.88	0.1865	324,930
2008	817,270.59	65.00	1.54	26,430.53	53.83	0.1719	294,941
2009	660,839.74	65.00	1.54	21,371.56	54.78	0.1572	218,198

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 369.20 SERVICES - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR	ORIGINAL COST	AVG. LIFE	--ANNUAL RATE	ACCRUAL-- AMOUNT	EXP.	--ACCRUED FACTOR	DEPREC.-- AMOUNT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
SURVIVOR CURVE.. IOWA 65-R3							
NET SALVAGE PERCENT.. -110							
2010	648,720.17	65.00	1.54	20,979.61	55.74	0.1425	194,075
2011	610,326.14	65.00	1.54	19,737.95	56.71	0.1275	163,466
2012	785,866.50	65.00	1.54	25,414.92	57.67	0.1128	186,107
2013	1,035,887.39	65.00	1.54	33,500.60	58.64	0.0979	212,859
2014	1,154,237.78	65.00	1.54	37,328.05	59.61	0.0829	200,990
2015	1,044,119.82	65.00	1.54	33,766.83	60.59	0.0679	148,771
2016	1,107,506.60	65.00	1.54	35,816.76	61.56	0.0529	123,079
2017	1,264,802.53	65.00	1.54	40,903.71	62.54	0.0379	100,533
2018	1,356,610.24	65.00	1.54	43,872.78	63.52	0.0228	64,869
2019	1,586,612.72	65.00	1.54	51,311.06	64.51	0.0075	25,122
26,028,046.52				841,746.99	12,656,469		
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.23							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 370.12 METERS - AMI

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 20-S2							
NET SALVAGE PERCENT.. 0							
2017	8,404,745.42	20.00	5.00	420,237.27	17.50	0.1250	1,050,593
2018	6,169,819.41	20.00	5.00	308,490.97	18.50	0.0750	462,736
2019	11,713,444.02	20.00	5.00	585,672.20	19.50	0.0250	292,836
	26,288,008.85			1,314,400.44			1,806,165
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.00							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 370.22 METER INSTALLATIONS - AMI

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL RATE (4)	ACCRUAL-- AMOUNT (5)	EXP. (6)	--ACCRUED FACTOR (7)	DEPREC.-- AMOUNT (8)
SURVIVOR CURVE.. IOWA 20-S2							
NET SALVAGE PERCENT.. 0							
2017	1,047,015.93	20.00	5.00	52,350.80	17.50	0.1250	130,877
2018	4,614,944.61	20.00	5.00	230,747.23	18.50	0.0750	346,121
2019	5,381,889.00	20.00	5.00	269,094.45	19.50	0.0250	134,547
	11,043,849.54			552,192.48			611,545
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.00							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 371.00 INSTALLATIONS ON CUSTOMERS' PREMISES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R0.5							
NET SALVAGE PERCENT.. 0							
2000	36,774.93	45.00	2.22	816.40	33.21	0.2620	9,635
2002	90,396.90	45.00	2.22	2,006.81	34.39	0.2358	21,314
2003	42,952.20	45.00	2.22	953.54	34.98	0.2227	9,564
2004	1.00	45.00	2.22	0.02	35.58	0.2093	
2005	48,802.27	45.00	2.22	1,083.41	36.17	0.1962	9,576
2006	9,443.80	45.00	2.22	209.65	36.77	0.1829	1,727
	228,371.10			5,069.83			51,816
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.22							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 373.10 STREET LIGHTING AND SIGNAL SYSTEMS - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R0.5							
NET SALVAGE PERCENT.. -40							
1956	119.82	45.00	2.22	3.72	11.34	0.7480	125
1957	2,200.45	45.00	2.22	68.39	11.74	0.7391	2,277
1958	273.93	45.00	2.22	8.51	12.15	0.7300	280
1959	1,110.47	45.00	2.22	34.51	12.56	0.7209	1,121
1960	11,038.74	45.00	2.22	343.08	12.97	0.7118	11,000
1961	3,767.13	45.00	2.22	117.08	13.39	0.7024	3,705
1962	9,114.52	45.00	2.22	283.28	13.81	0.6931	8,844
1963	8,076.66	45.00	2.22	251.02	14.23	0.6838	7,732
1964	6,865.77	45.00	2.22	213.39	14.66	0.6742	6,481
1965	121,132.53	45.00	2.22	3,764.80	15.09	0.6647	112,718
1966	93,639.15	45.00	2.22	2,910.30	15.53	0.6549	85,853
1967	130,897.37	45.00	2.22	4,068.29	15.97	0.6451	118,220
1968	29,465.13	45.00	2.22	915.78	16.42	0.6351	26,199
1969	66,201.48	45.00	2.22	2,057.54	16.87	0.6251	57,936
1970	128,306.05	45.00	2.22	3,987.75	17.32	0.6151	110,491
1971	93,360.67	45.00	2.22	2,901.65	17.78	0.6049	79,062
1972	46,621.47	45.00	2.22	1,449.00	18.25	0.5944	38,799
1973	78,124.48	45.00	2.22	2,428.11	18.72	0.5840	63,875
1974	61,008.18	45.00	2.22	1,896.13	19.19	0.5736	48,989
1975	67,790.76	45.00	2.22	2,106.94	19.67	0.5629	53,422
1976	82,108.78	45.00	2.22	2,551.94	20.15	0.5522	63,479
1977	85,026.04	45.00	2.22	2,642.61	20.64	0.5413	64,438
1978	98,004.11	45.00	2.22	3,045.97	21.14	0.5302	72,749
1979	69,514.76	45.00	2.22	2,160.52	21.64	0.5191	50,520
1980	75,493.35	45.00	2.22	2,346.33	22.14	0.5080	53,691
1981	91,589.87	45.00	2.22	2,846.61	22.66	0.4964	63,656
1982	81,987.96	45.00	2.22	2,548.19	23.17	0.4851	55,682
1983	104,975.10	45.00	2.22	3,262.63	23.69	0.4736	69,597
1984	161,423.44	45.00	2.22	5,017.04	24.22	0.4618	104,359
1985	149,819.39	45.00	2.22	4,656.39	24.75	0.4500	94,386
1986	156,977.86	45.00	2.22	4,878.87	25.28	0.4382	96,307
1987	126,373.74	45.00	2.22	3,927.70	25.82	0.4262	75,408
1988	188,920.35	45.00	2.22	5,871.64	26.37	0.4140	109,498
1989	164,101.77	45.00	2.22	5,100.28	26.92	0.4018	92,306
1990	196,822.74	45.00	2.22	6,117.25	27.47	0.3896	107,344
1991	155,480.89	45.00	2.22	4,832.35	28.03	0.3771	82,087
1992	183,603.75	45.00	2.22	5,706.40	28.59	0.3647	93,737
1993	209,008.46	45.00	2.22	6,495.98	29.16	0.3520	102,999
1994	222,366.75	45.00	2.22	6,911.16	29.73	0.3393	105,638
1995	135,399.41	45.00	2.22	4,208.21	30.30	0.3267	61,923
1996	101,082.80	45.00	2.22	3,141.65	30.87	0.3140	44,436

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 373.10 STREET LIGHTING AND SIGNAL SYSTEMS - OVERHEAD

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R0.5							
NET SALVAGE PERCENT.. -40							
1997	106,209.50	45.00	2.22	3,300.99	31.45	0.3011	44,773
1998	119,211.24	45.00	2.22	3,705.09	32.04	0.2880	48,066
1999	151,757.36	45.00	2.22	4,716.62	32.62	0.2751	58,450
2000	132,032.30	45.00	2.22	4,103.56	33.21	0.2620	48,429
2001	78,564.26	45.00	2.22	2,441.78	33.80	0.2489	27,375
2002	91,269.82	45.00	2.22	2,836.67	34.39	0.2358	30,127
2003	59,724.97	45.00	2.22	1,856.25	34.98	0.2227	18,619
2004	91,041.96	45.00	2.22	2,829.58	35.58	0.2093	26,681
2005	111,979.20	45.00	2.22	3,480.31	36.17	0.1962	30,762
2006	107,509.69	45.00	2.22	3,341.40	36.77	0.1829	27,527
2007	102,840.47	45.00	2.22	3,196.28	37.37	0.1696	24,413
2008	92,539.74	45.00	2.22	2,876.14	37.97	0.1562	20,239
2009	105,047.77	45.00	2.22	3,264.88	38.57	0.1429	21,014
2010	120,889.25	45.00	2.22	3,757.24	39.18	0.1293	21,888
2011	106,242.46	45.00	2.22	3,302.02	39.78	0.1160	17,254
2012	288,662.35	45.00	2.22	8,971.63	40.39	0.1024	41,399
2013	428,277.70	45.00	2.22	13,310.87	41.00	0.0889	53,297
2014	362,511.11	45.00	2.22	11,266.85	41.61	0.0753	38,231
2015	375,938.81	45.00	2.22	11,684.18	42.22	0.0618	32,516
2016	365,437.93	45.00	2.22	11,357.81	42.84	0.0480	24,557
2017	486,768.46	45.00	2.22	15,128.76	43.45	0.0344	23,470
2018	997,864.03	45.00	2.22	31,013.61	44.07	0.0207	28,876
2019	1,626,821.41	45.00	2.22	50,561.61	44.69	0.0069	15,692
	10,308,337.87			320,383.12			3,225,024

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.11

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 373.20 STREET LIGHTING AND SIGNAL SYSTEMS - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R0.5							
NET SALVAGE PERCENT.. -40							
1939	612.45	45.00	2.22	19.03	4.46	0.9009	772
1940	1,562.60	45.00	2.22	48.57	4.89	0.8913	1,950
1942	763.58	45.00	2.22	23.73	5.73	0.8727	933
1950	158.16	45.00	2.22	4.92	8.95	0.8011	177
1953	1,122.20	45.00	2.22	34.88	10.14	0.7747	1,217
1954	3,111.35	45.00	2.22	96.70	10.53	0.7660	3,337
1955	258.94	45.00	2.22	8.05	10.93	0.7571	274
1956	19,510.55	45.00	2.22	606.39	11.34	0.7480	20,431
1957	1,112.76	45.00	2.22	34.58	11.74	0.7391	1,151
1958	8,431.03	45.00	2.22	262.04	12.15	0.7300	8,617
1959	2,275.53	45.00	2.22	70.72	12.56	0.7209	2,297
1960	5,083.94	45.00	2.22	158.01	12.97	0.7118	5,066
1961	6,163.04	45.00	2.22	191.55	13.39	0.7024	6,061
1963	297.81	45.00	2.22	9.26	14.23	0.6838	285
1964	994.27	45.00	2.22	30.90	14.66	0.6742	938
1965	4,606.09	45.00	2.22	143.16	15.09	0.6647	4,286
1966	1,728.68	45.00	2.22	53.73	15.53	0.6549	1,585
1967	22,547.84	45.00	2.22	700.79	15.97	0.6451	20,364
1968	37,056.15	45.00	2.22	1,151.71	16.42	0.6351	32,949
1969	47,378.14	45.00	2.22	1,472.51	16.87	0.6251	41,463
1970	61,108.33	45.00	2.22	1,899.25	17.32	0.6151	52,624
1971	78,077.29	45.00	2.22	2,426.64	17.78	0.6049	66,119
1972	45,472.36	45.00	2.22	1,413.28	18.25	0.5944	37,843
1973	83,237.03	45.00	2.22	2,587.01	18.72	0.5840	68,055
1974	72,833.69	45.00	2.22	2,263.67	19.19	0.5736	58,484
1975	27,632.08	45.00	2.22	858.81	19.67	0.5629	21,775
1976	14,285.13	45.00	2.22	443.98	20.15	0.5522	11,044
1977	521.10	45.00	2.22	16.20	20.64	0.5413	395
1978	53,609.14	45.00	2.22	1,666.17	21.14	0.5302	39,794
1979	44,112.82	45.00	2.22	1,371.03	21.64	0.5191	32,059
1980	60,455.07	45.00	2.22	1,878.94	22.14	0.5080	42,996
1981	75,758.93	45.00	2.22	2,354.59	22.66	0.4964	52,654
1982	71,807.67	45.00	2.22	2,231.78	23.17	0.4851	48,768
1983	20,589.09	45.00	2.22	639.91	23.69	0.4736	13,650
1984	41,602.58	45.00	2.22	1,293.01	24.22	0.4618	26,896
1985	46,872.44	45.00	2.22	1,456.80	24.75	0.4500	29,530
1986	65,220.86	45.00	2.22	2,027.06	25.28	0.4382	40,014
1988	72,040.40	45.00	2.22	2,239.02	26.37	0.4140	41,755
1989	141,973.67	45.00	2.22	4,412.54	26.92	0.4018	79,859
1990	151,603.70	45.00	2.22	4,711.84	27.47	0.3896	82,682
1991	174,327.68	45.00	2.22	5,418.10	28.03	0.3771	92,037

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 373.20 STREET LIGHTING AND SIGNAL SYSTEMS - UNDERGROUND

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-R0.5							
NET SALVAGE PERCENT.. -40							
1992	32,577.24	45.00	2.22	1,012.50	28.59	0.3647	16,632
1993	41,408.18	45.00	2.22	1,286.97	29.16	0.3520	20,406
1994	49,946.89	45.00	2.22	1,552.35	29.73	0.3393	23,728
1995	104,606.60	45.00	2.22	3,251.17	30.30	0.3267	47,841
1996	54,363.44	45.00	2.22	1,689.62	30.87	0.3140	23,898
1997	111,941.44	45.00	2.22	3,479.14	31.45	0.3011	47,189
1998	103,329.45	45.00	2.22	3,211.48	32.04	0.2880	41,662
1999	82,669.83	45.00	2.22	2,569.38	32.62	0.2751	31,841
2000	188,601.56	45.00	2.22	5,861.74	33.21	0.2620	69,179
2001	126,462.75	45.00	2.22	3,930.46	33.80	0.2489	44,065
2002	122,662.04	45.00	2.22	3,812.34	34.39	0.2358	40,490
2003	59,166.58	45.00	2.22	1,838.90	34.98	0.2227	18,444
2004	98,925.25	45.00	2.22	3,074.60	35.58	0.2093	28,991
2005	93,792.69	45.00	2.22	2,915.08	36.17	0.1962	25,766
2006	114,089.08	45.00	2.22	3,545.89	36.77	0.1829	29,212
2007	107,382.97	45.00	2.22	3,337.46	37.37	0.1696	25,491
2008	184,913.28	45.00	2.22	5,747.10	37.97	0.1562	40,442
2009	94,366.56	45.00	2.22	2,932.91	38.57	0.1429	18,878
2010	178,480.59	45.00	2.22	5,547.18	39.18	0.1293	32,316
2011	184,242.39	45.00	2.22	5,726.25	39.78	0.1160	29,921
2012	254,592.46	45.00	2.22	7,912.73	40.39	0.1024	36,513
2013	400,208.72	45.00	2.22	12,438.49	41.00	0.0889	49,804
2014	118,011.16	45.00	2.22	3,667.79	41.61	0.0753	12,446
2015	175,089.22	45.00	2.22	5,441.77	42.22	0.0618	15,144
2016	205,199.65	45.00	2.22	6,377.61	42.84	0.0480	13,789
2017	182,648.42	45.00	2.22	5,676.71	43.45	0.0344	8,807
2018	257,170.12	45.00	2.22	7,992.85	44.07	0.0207	7,442
2019	1,151,290.16	45.00	2.22	35,782.10	44.69	0.0069	11,105
	6,446,054.89			200,343.43			1,904,628

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.11

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-S0							
NET SALVAGE PERCENT.. -30							
1928	56,307.55	45.00				1.0000	73,200
1930	200.00	45.00	2.22	5.77	0.22	0.9951	259
1933	164.51	45.00	2.22	4.75	1.28	0.9716	208
1934	154.06	45.00	2.22	4.45	1.65	0.9633	193
1935	40.00	45.00	2.22	1.15	2.02	0.9551	50
1937	24.85	45.00	2.22	0.72	2.76	0.9387	30
1938	6.75	45.00	2.22	0.19	3.13	0.9304	8
1942	13.09	45.00	2.22	0.38	4.64	0.8969	15
1944	448.27	45.00	2.22	12.94	5.40	0.8800	513
1946	86.19	45.00	2.22	2.49	6.16	0.8631	97
1964	2,169.70	45.00	2.22	62.62	13.36	0.7031	1,983
1965	41,367.03	45.00	2.22	1,193.85	13.78	0.6938	37,310
1971	11,353.91	45.00	2.22	327.67	16.35	0.6367	9,397
1973	1,196.21	45.00	2.22	34.52	17.22	0.6173	960
1978	20,790.20	45.00	2.22	600.01	19.48	0.5671	15,327
1979	967,710.58	45.00	2.22	27,928.13	19.94	0.5569	700,581
1980	4,045.62	45.00	2.22	116.76	20.40	0.5467	2,875
1982	71.13	45.00	2.22	2.05	21.35	0.5256	49
1984	17,056.31	45.00	2.22	492.25	22.30	0.5044	11,185
1992	4,032.56	45.00	2.22	116.38	26.34	0.4147	2,174
1994	4,788.35	45.00	2.22	138.19	27.40	0.3911	2,435
1995	9,644.80	45.00	2.22	278.35	27.95	0.3789	4,751
1996	3,388.30	45.00	2.22	97.79	28.50	0.3667	1,615
1999	16,234.80	45.00	2.22	468.54	30.19	0.3291	6,946
2002	12,326.11	45.00	2.22	355.73	31.97	0.2896	4,640
2003	65,885.57	45.00	2.22	1,901.46	32.58	0.2760	23,640
2004	18,627.00	45.00	2.22	537.58	33.20	0.2622	6,350
2005	2,667.27	45.00	2.22	76.98	33.84	0.2480	860
2006	14,841.87	45.00	2.22	428.34	34.48	0.2338	4,511
2007	3,404,625.42	45.00	2.22	98,257.49	35.14	0.2191	969,784
2008	15,169.20	45.00	2.22	437.78	35.81	0.2042	4,027
2009	182,905.21	45.00	2.22	5,278.64	36.50	0.1889	44,914
2010	139,076.67	45.00	2.22	4,013.75	37.20	0.1733	31,338
2011	54,848.69	45.00	2.22	1,582.93	37.92	0.1573	11,218
2013	7,765.44	45.00	2.22	224.11	39.42	0.1240	1,252

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-S0							
NET SALVAGE PERCENT.. -30							
2014	2,359,845.58	45.00	2.22	68,105.14	40.19	0.1069	327,917
2017	86,665.84	45.00	2.22	2,501.18	42.68	0.0516	5,809
2018	543.20	45.00	2.22	15.68	43.58	0.0316	22
	7,527,087.84			215,606.74			2,308,443
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.86							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 392.10 TRANSPORTATION EQUIPMENT - PASSENGER CARS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 12-S2.5							
NET SALVAGE PERCENT.. +10							
2005	37,849.74	12.00	8.33	2,837.60	1.91	0.8408	28,643
2016	435,897.15	12.00	8.33	32,679.21	8.53	0.2892	113,444
2017	120,442.66	12.00	8.33	9,029.59	9.51	0.2075	22,493
2018	57,016.54	12.00	8.33	4,274.53	10.50	0.1250	6,414
	651,206.09			48,820.93			170,994
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 7.50							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 392.20 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 10-S1							
NET SALVAGE PERCENT.. +10							
2003	43,298.90	10.00	10.00	3,896.90	0.97	0.9030	35,189
2004	60,892.57	10.00	10.00	5,480.33	1.27	0.8730	47,843
2005	172,645.30	10.00	10.00	15,538.08	1.58	0.8420	130,831
2006	183,763.78	10.00	10.00	16,538.74	1.91	0.8090	133,798
2007	128,156.86	10.00	10.00	11,534.12	2.25	0.7750	89,389
2008	555,958.78	10.00	10.00	50,036.29	2.62	0.7380	369,268
2009	153,062.13	10.00	10.00	13,775.59	3.01	0.6990	96,291
2010	305,178.59	10.00	10.00	27,466.07	3.42	0.6580	180,727
2011	534,250.42	10.00	10.00	48,082.54	3.87	0.6130	294,746
2012	204,607.94	10.00	10.00	18,414.71	4.36	0.5640	103,859
2013	69,489.54	10.00	10.00	6,254.06	4.90	0.5100	31,896
2014	122,924.38	10.00	10.00	11,063.19	5.48	0.4520	50,006
2015	4,737,571.51	10.00	10.00	426,381.44	6.13	0.3870	1,650,096
2016	1,796,439.13	10.00	10.00	161,679.52	6.86	0.3140	507,674
2017	284,875.61	10.00	10.00	25,638.80	7.66	0.2340	59,995
2018	103,089.79	10.00	10.00	9,278.08	8.54	0.1460	13,546
	9,456,205.23			851,058.46			3,795,154

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 9.00

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 392.30 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 14-L3							
NET SALVAGE PERCENT.. +5							
1989	108,560.52	14.00	7.14	7,363.66	0.58	0.9586	98,860
1997	150,739.09	14.00	7.14	10,224.63	2.26	0.8386	120,085
2004	714,062.87	14.00	7.14	48,434.88	3.95	0.7179	486,967
2005	146,876.94	14.00	7.14	9,962.66	4.12	0.7057	98,470
2006	467,468.30	14.00	7.14	31,708.37	4.29	0.6936	308,011
2007	1,105,727.38	14.00	7.14	75,001.49	4.49	0.6793	713,554
2008	802,452.07	14.00	7.14	54,430.32	4.75	0.6607	503,679
2009	519,329.49	14.00	7.14	35,226.12	5.12	0.6343	312,935
2010	3,447,229.75	14.00	7.14	233,825.59	5.61	0.5993	1,962,596
2011	3,206,921.66	14.00	7.14	217,525.50	6.23	0.5550	1,690,849
2012	189,550.87	14.00	7.14	12,857.24	6.97	0.5021	90,422
2016	297,551.83	14.00	7.14	20,182.94	10.53	0.2479	70,064
2017	1,793,412.26	14.00	7.14	121,647.15	11.51	0.1779	303,027
2019	4,106,688.78	14.00	7.14	278,556.70	13.50	0.0357	139,317
	17,056,571.81			1,156,947.25			6,898,836
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.78							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 392.40 TRANSPORTATION EQUIPMENT - TRAILERS AND TRUCK MOUNTED
EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 14-L3							
NET SALVAGE PERCENT.. +5							
1987	29,317.47	14.00	7.14	1,988.60	0.22	0.9843	27,414
1989	32,298.44	14.00	7.14	2,190.80	0.58	0.9586	29,412
1990	45,900.09	14.00	7.14	3,113.40	0.76	0.9457	41,238
1991	18,078.74	14.00	7.14	1,226.28	0.96	0.9314	15,997
1992	56,048.67	14.00	7.14	3,801.78	1.16	0.9171	48,834
1993	6,969.06	14.00	7.14	472.71	1.36	0.9029	5,977
1994	5,979.29	14.00	7.14	405.58	1.58	0.8871	5,039
2006	17,312.39	14.00	7.14	1,174.30	4.29	0.6936	11,407
2007	20,949.29	14.00	7.14	1,420.99	4.49	0.6793	13,519
2008	5,583.44	14.00	7.14	378.72	4.75	0.6607	3,505
2009	206,343.97	14.00	7.14	13,996.31	5.12	0.6343	124,338
2010	25,420.55	14.00	7.14	1,724.28	5.61	0.5993	14,473
2012	894,230.10	14.00	7.14	60,655.63	6.97	0.5021	426,577
2013	216,990.08	14.00	7.14	14,718.44	7.78	0.4443	91,586
2015	340,683.16	14.00	7.14	23,108.54	9.58	0.3157	102,179
	1,922,104.74			130,376.36			961,495
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.78							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 18-R3							
NET SALVAGE PERCENT.. +15							
1979	16,714.91	18.00				1.0000	14,208
1987	41,612.29	18.00				1.0000	35,370
1991	112,174.78	18.00	5.56	5,301.38	0.46	0.9744	92,911
1994	111,961.74	18.00	5.56	5,291.31	1.21	0.9328	88,770
2004	220,106.89	18.00	5.56	10,402.25	4.97	0.7239	135,433
2009	148,584.18	18.00	5.56	7,022.09	8.47	0.5294	66,866
	651,154.79			28,017.03			433,558
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.30							

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC PLANT

ACCOUNT 396.10 POWER OPERATED EQUIPMENT - NON FLEET

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 18-R3							
NET SALVAGE PERCENT.. +15							
2006	283,443.81	18.00	5.56	13,395.55	6.26	0.6522	157,138
	283,443.81			13,395.55			157,138
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.73							

COMMON PLANT

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 389.00 LAND AND LAND RIGHTS - EASEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 50-R3							
NET SALVAGE PERCENT.. 0							
1970	50.00	50.00	2.00	1.00	10.32	0.7936	40
1972	2,647.71	50.00	2.00	52.95	11.32	0.7736	2,048
1975	12,500.06	50.00	2.00	250.00	12.96	0.7408	9,260
1982	768.28	50.00	2.00	15.37	17.38	0.6524	501
	15,966.05			319.32			11,849
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-S0							
NET SALVAGE PERCENT.. -30							
1909	2,554.96	45.00				1.0000	3,321
1918	243.98	45.00				1.0000	317
1921	738.64	45.00				1.0000	960
1923	9,379.96	45.00				1.0000	12,194
1924	6,321.82	45.00				1.0000	8,218
1925	28,427.81	45.00				1.0000	36,956
1926	24,425.38	45.00				1.0000	31,753
1927	9,643.34	45.00				1.0000	12,536
1929	31.57	45.00				1.0000	41
1930	88,866.75	45.00	2.22	2,564.69	0.22	0.9951	114,962
1936	88.50	45.00	2.22	2.55	2.39	0.9469	109
1938	151.18	45.00	2.22	4.36	3.13	0.9304	183
1939	52.03	45.00	2.22	1.50	3.51	0.9220	62
1940	50.89	45.00	2.22	1.47	3.88	0.9138	60
1941	697.65	45.00	2.22	20.13	4.26	0.9053	821
1945	31.93	45.00	2.22	0.92	5.78	0.8716	36
1946	133.97	45.00	2.22	3.87	6.16	0.8631	150
1950	244,942.16	45.00	2.22	7,069.03	7.71	0.8287	263,869
1951	12,708.99	45.00	2.22	366.78	8.10	0.8200	13,548
1953	21,224.76	45.00	2.22	612.55	8.89	0.8024	22,141
1954	2,931.79	45.00	2.22	84.61	9.29	0.7936	3,025
1955	2,900.18	45.00	2.22	83.70	9.68	0.7849	2,959
1956	3,445.92	45.00	2.22	99.45	10.08	0.7760	3,476
1957	46,149.70	45.00	2.22	1,331.88	10.49	0.7669	46,009
1958	857.72	45.00	2.22	24.75	10.89	0.7580	845
1959	541.86	45.00	2.22	15.64	11.30	0.7489	528
1960	85,395.96	45.00	2.22	2,464.53	11.70	0.7400	82,151
1961	5,718.48	45.00	2.22	165.04	12.11	0.7309	5,433
1962	3,525.80	45.00	2.22	101.75	12.53	0.7216	3,307
1963	7,340.92	45.00	2.22	211.86	12.94	0.7124	6,799
1964	6,260.78	45.00	2.22	180.69	13.36	0.7031	5,723
1965	43,520.59	45.00	2.22	1,256.00	13.78	0.6938	39,252
1966	395,749.08	45.00	2.22	11,421.32	14.20	0.6844	352,126
1967	1,011,215.78	45.00	2.22	29,183.69	14.62	0.6751	887,486
1968	56,381.82	45.00	2.22	1,627.18	15.05	0.6656	48,783
1969	1,063,536.14	45.00	2.22	30,693.65	15.48	0.6560	906,984
1970	16,873.52	45.00	2.22	486.97	15.91	0.6464	14,180
1971	8,478.89	45.00	2.22	244.70	16.35	0.6367	7,018
1972	47,233.47	45.00	2.22	1,363.16	16.78	0.6271	38,507
1973	21,864.34	45.00	2.22	631.00	17.22	0.6173	17,547
1974	5,131.46	45.00	2.22	148.09	17.67	0.6073	4,051

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-S0							
NET SALVAGE PERCENT.. -30							
1975	67,385.16	45.00	2.22	1,944.74	18.12	0.5973	52,327
1976	18,262.06	45.00	2.22	527.04	18.57	0.5873	13,944
1977	19,879.21	45.00	2.22	573.71	19.02	0.5773	14,920
1978	634,789.75	45.00	2.22	18,320.03	19.48	0.5671	467,994
1979	1,360,652.18	45.00	2.22	39,268.42	19.94	0.5569	985,054
1980	131,833.90	45.00	2.22	3,804.73	20.40	0.5467	93,691
1981	468,422.94	45.00	2.22	13,518.69	20.87	0.5362	326,531
1982	829,695.47	45.00	2.22	23,945.01	21.35	0.5256	566,871
1983	1,522,571.94	45.00	2.22	43,941.43	21.82	0.5151	1,019,580
1984	7,751,148.40	45.00	2.22	223,698.14	22.30	0.5044	5,082,986
1985	323,060.03	45.00	2.22	9,323.51	22.79	0.4936	207,284
1986	101,245.02	45.00	2.22	2,921.93	23.28	0.4827	63,528
1987	127,571.14	45.00	2.22	3,681.70	23.78	0.4716	78,205
1988	1,132,864.69	45.00	2.22	32,694.47	24.28	0.4604	678,101
1989	313,960.27	45.00	2.22	9,060.89	24.78	0.4493	183,393
1990	117,792.03	45.00	2.22	3,399.48	25.30	0.4378	67,037
1991	268,951.23	45.00	2.22	7,761.93	25.81	0.4264	149,099
1992	426,860.96	45.00	2.22	12,319.21	26.34	0.4147	230,108
1993	368,565.54	45.00	2.22	10,636.80	26.87	0.4029	193,039
1994	657,924.37	45.00	2.22	18,987.70	27.40	0.3911	334,517
1995	114,310.49	45.00	2.22	3,299.00	27.95	0.3789	56,304
1996	1,081,658.61	45.00	2.22	31,216.67	28.50	0.3667	515,595
1997	517,510.59	45.00	2.22	14,935.36	29.05	0.3544	238,454
1998	246,295.68	45.00	2.22	7,108.09	29.62	0.3418	109,433
1999	215,127.21	45.00	2.22	6,208.57	30.19	0.3291	92,041
2000	263,186.88	45.00	2.22	7,595.57	30.78	0.3160	108,117
2001	1,387,242.93	45.00	2.22	40,035.83	31.37	0.3029	546,237
2002	5,054,761.65	45.00	2.22	145,880.42	31.97	0.2896	1,902,754
2003	1,427,270.37	45.00	2.22	41,191.02	32.58	0.2760	512,105
2004	2,901,327.28	45.00	2.22	83,732.31	33.20	0.2622	989,022
2005	1,290,385.67	45.00	2.22	37,240.53	33.84	0.2480	416,020
2006	1,466,432.28	45.00	2.22	42,321.24	34.48	0.2338	445,669
2007	3,040,409.17	45.00	2.22	87,746.21	35.14	0.2191	866,039
2008	4,721,006.79	45.00	2.22	136,248.26	35.81	0.2042	1,253,361
2009	3,763,888.15	45.00	2.22	108,625.81	36.50	0.1889	924,249
2010	2,324,597.40	45.00	2.22	67,087.88	37.20	0.1733	523,799
2011	1,293,438.05	45.00	2.22	37,328.62	37.92	0.1573	264,546
2012	776,679.25	45.00	2.22	22,414.96	38.66	0.1409	142,254
2013	1,471,337.87	45.00	2.22	42,462.81	39.42	0.1240	237,180
2014	9,504,671.53	45.00	2.22	274,304.82	40.19	0.1069	1,320,741
2015	8,896,706.89	45.00	2.22	256,758.96	41.00	0.0889	1,028,077

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 390.00 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 45-S0							
NET SALVAGE PERCENT.. -30							
2016	2,880,206.96	45.00	2.22	83,122.77	41.83	0.0704	263,746
2017	6,693,038.63	45.00	2.22	193,161.09	42.68	0.0516	448,621
2018	1,679,542.27	45.00	2.22	48,471.59	43.58	0.0316	68,908
2019	561,008.49	45.00	2.22	16,190.71	44.51	0.0109	7,942
	83,501,247.85			2,407,486.17			27,087,849
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.88							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 392.10 TRANSPORTATION EQUIPMENT - PASSENGER CARS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 12-S2.5							
NET SALVAGE PERCENT.. +10							
1998	30,435.21	12.00	8.33	2,281.73	0.46	0.9617	26,342
2005	19,119.34	12.00	8.33	1,433.38	1.91	0.8408	14,469
2006	39,716.96	12.00	8.33	2,977.58	2.19	0.8175	29,222
2009	33,504.48	12.00	8.33	2,511.83	3.34	0.7217	21,761
2013	165,759.62	12.00	8.33	12,427.00	5.86	0.5117	76,333
2015	1,580,672.04	12.00	8.33	118,502.98	7.59	0.3675	522,807
2016	57,488.70	12.00	8.33	4,309.93	8.53	0.2892	14,962
2017	1,924,021.41	12.00	8.33	144,243.89	9.51	0.2075	359,311
	3,850,717.76			288,688.32			1,065,207
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 7.50							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 392.20 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 10-S1							
NET SALVAGE PERCENT.. +10							
2003	25,266.65	10.00	10.00	2,274.00	0.97	0.9030	20,534
2004	157,006.90	10.00	10.00	14,130.62	1.27	0.8730	123,360
2005	161,260.58	10.00	10.00	14,513.45	1.58	0.8420	122,203
2006	117,374.86	10.00	10.00	10,563.74	1.91	0.8090	85,461
2007	186,026.24	10.00	10.00	16,742.36	2.25	0.7750	129,753
2008	262,401.68	10.00	10.00	23,616.15	2.62	0.7380	174,287
2009	895,129.77	10.00	10.00	80,561.68	3.01	0.6990	563,126
2010	225,140.01	10.00	10.00	20,262.60	3.42	0.6580	133,328
2011	4,098,543.57	10.00	10.00	368,868.92	3.87	0.6130	2,261,166
2012	100,268.98	10.00	10.00	9,024.21	4.36	0.5640	50,897
2013	10,785.54	10.00	10.00	970.70	4.90	0.5100	4,951
2014	76,394.13	10.00	10.00	6,875.47	5.48	0.4520	31,077
2015	366,749.39	10.00	10.00	33,007.45	6.13	0.3870	127,739
	6,682,348.30			601,411.35			3,827,882
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 9.00							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 392.30 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 14-L3							
NET SALVAGE PERCENT.. +5							
1993	55,010.69	14.00	7.14	3,731.38	1.36	0.9029	47,184
1995	109,425.70	14.00	7.14	7,422.35	1.79	0.8721	90,663
2004	110,258.19	14.00	7.14	7,478.81	3.95	0.7179	75,192
2007	87,226.00	14.00	7.14	5,916.54	4.49	0.6793	56,289
2009	45,019.66	14.00	7.14	3,053.68	5.12	0.6343	27,128
2010	113,362.59	14.00	7.14	7,689.38	5.61	0.5993	64,540
2017	2,805,223.01	14.00	7.14	190,278.28	11.51	0.1779	473,990
2018	215,420.87	14.00	7.14	14,612.00	12.50	0.1071	21,926
	3,540,946.71			240,182.42			856,912
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.78							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 392.40 TRANSPORTATION EQUIPMENT - TRAILERS AND TRUCK MOUNTED
EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 14-L3							
NET SALVAGE PERCENT.. +5							
1981	4,440.19	14.00				1.0000	4,218
1991	25,711.83	14.00	7.14	1,744.03	0.96	0.9314	22,751
2008	88,908.92	14.00	7.14	6,030.69	4.75	0.6607	55,806
2009	8,707.48	14.00	7.14	590.63	5.12	0.6343	5,247
2010	16,173.96	14.00	7.14	1,097.08	5.61	0.5993	9,208
2019	10,950.43	14.00	7.14	742.77	13.50	0.0357	371
	154,892.81			10,205.20			97,601
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.59							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 396.00 POWER OPERATED EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 18-R3							
NET SALVAGE PERCENT.. +15							
1989	57,720.71	18.00				1.0000	49,063
1994	19,407.05	18.00	5.56	917.18	1.21	0.9328	15,387
1996	27,863.40	18.00	5.56	1,316.82	1.73	0.9039	21,408
1997	19,357.35	18.00	5.56	914.83	2.00	0.8889	14,626
2004	16,551.06	18.00	5.56	782.20	4.97	0.7239	10,184
2005	117,825.55	18.00	5.56	5,568.44	5.59	0.6894	69,049
2006	55,389.27	18.00	5.56	2,617.70	6.26	0.6522	30,707
2007	118,842.00	18.00	5.56	5,616.47	6.96	0.6133	61,956
2008	52,438.39	18.00	5.56	2,478.24	7.70	0.5722	25,505
2010	324,396.35	18.00	5.56	15,330.97	9.27	0.4850	133,732
2011	1,685,156.53	18.00	5.56	79,640.50	10.10	0.4389	628,659
2017	14,479.81	18.00	5.56	684.32	15.56	0.1356	1,668
	2,509,427.47			115,867.67			1,061,944
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.62							

ORANGE AND ROCKLAND UTILITIES, INC.
COMMON PLANT

ACCOUNT 396.10 POWER OPERATED EQUIPMENT - NON FLEET

CALCULATED ANNUAL AND ACCRUED DEPRECIATION
RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2019

YEAR (1)	ORIGINAL COST (2)	AVG. LIFE (3)	--ANNUAL ACCRUAL-- RATE (4)	AMOUNT (5)	EXP. (6)	--ACCRUED DEPREC.-- FACTOR (7)	AMOUNT (8)
SURVIVOR CURVE.. IOWA 18-R3							
NET SALVAGE PERCENT.. +15							
1988	3,651.00	18.00				1.0000	3,103
1995	1,107.27	18.00	5.56	52.33	1.47	0.9183	864
2001	8,987.38	18.00	5.56	424.74	3.40	0.8111	6,196
2002	5,515.00	18.00	5.56	260.64	3.87	0.7850	3,680
2003	7,540.00	18.00	5.56	356.34	4.40	0.7556	4,842
2005	54,733.18	18.00	5.56	2,586.69	5.59	0.6894	32,075
2006	4,885.28	18.00	5.56	230.88	6.26	0.6522	2,708
2007	8,785.61	18.00	5.56	415.21	6.96	0.6133	4,580
2008	47,300.48	18.00	5.56	2,235.42	7.70	0.5722	23,006
2009	54,457.30	18.00	5.56	2,573.65	8.47	0.5294	24,507
2014	3,729.75	18.00	5.56	176.27	12.74	0.2922	926
	200,692.25			9,312.17			106,487
COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.64							

**ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT**

SUMMARY OF ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2019

EXISTING											PROPOSED			
ACCOUNT (1)	ORIGINAL COST AS OF DECEMBER 31, 2019 (2)	BOOK DEPRECIATION RESERVE (3)	SURVIVOR CURVE (4)	NET SALVAGE PERCENT (5)	CALCULATED ANNUAL ACCRUAL		SURVIVOR CURVE (8)	NET SALVAGE PERCENT (9)	CALCULATED ANNUAL ACCRUAL		INCREASE/ DECREASE (12)=(10)-(6)			
					AMOUNT (6)=(2)x(7)	RATE (%) (7)			AMOUNT (10)	RATE (%) (11)				
ELECTRIC PLANT														
INTANGIBLE PLANT														
302.00	FRANCHISES AND CONSENTS	20,656.75	0	-	-	0	-	-	-	0	-	0		
303.10	MISCELLANEOUS INTANGIBLE PLANT - WMS SYSTEM SOFTWARE	845,700.16	845,700	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.11	MISCELLANEOUS INTANGIBLE PLANT - DISTANCE MANAGEMENT SYSTEM (DMS)	384,572.51	384,573	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.12	MISCELLANEOUS INTANGIBLE PLANT - DISTRIBUTION ENGINEERING SYSTEM (DEW)	1,777,270.10	1,777,270	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.13	MISCELLANEOUS INTANGIBLE PLANT - STRAY VOLTAGE SYSTEM	1,046,804.19	1,046,804	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.14	MISCELLANEOUS INTANGIBLE PLANT - OUTAGE MANAGEMENT SYSTEM (OMS)	1,473,303.04	1,473,303	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.15	WEB WMS PHASE 1	963,315.47	963,315	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.17	ELECTRIC SOFTWARE PROJECT 2009	1,760,854.43	1,760,854	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.19	2011 ELECTRIC SOFTWARE	2,088,148.77	2,088,149	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.83	SOFTWARE - GAS INSPECTION MGMT SYSTEM (GIMS)	2,826,964.66	2,447,324	5 - SQ	0	565,393	20.00	5 - SQ	0	565,393	20.00	0		
303.84	SOFTWARE - OUTAGE MANAGEMENT - PHASE II	788,364.24	788,364	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.85	SOFTWARE - OUTAGE MANAGEMENT - 2014 UPGRADE	3,027,311.78	3,027,312	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0		
303.87	SOFTWARE - EIMS	960,312.65	849,350	5 - SQ	0	192,063	20.00	5 - SQ	0	192,063	20.00	0		
303.88	SOFTWARE - ECC/ACC	77,479.99	5,165	5 - SQ	0	15,496	20.00	5 - SQ	0	15,496	20.00	0		
303.89	SOFTWARE - NUCON DG	338,018.62	326,614	5 - SQ	0	67,604	20.00	5 - SQ	0	67,604	20.00	0		
303.90	SOFTWARE - ARCOS CREW MANAGEMENT	324,375.79	308,172	5 - SQ	0	64,875	20.00	5 - SQ	0	64,875	20.00	0		
303.92	SOFTWARE - STORM OUTAGE DASH	182,794.01	158,184	5 - SQ	0	36,559	20.00	5 - SQ	0	36,559	20.00	0		
303.94	SOFTWARE - 5 YEAR	26,421,733.26	8,138,549	5 - SQ	0	5,284,347	20.00	5 - SQ	0	5,284,347	20.00	0		
TOTAL INTANGIBLE PLANT		45,307,980.42	26,389,004			6,226,337	13.74			6,226,337	13.74	0		
TRANSMISSION PLANT														
350.00	LAND AND LAND RIGHTS - EASEMENTS	8,046,451.08	5,773,630	70 - S3	0	115,064	1.43	70 - R3	0	115,064	1.43	0		
350.10	LAND AND LAND RIGHTS - FEE	1,023,787.29	0	-	-	0	-	-	-	0	-	0		
351.00	ENERGY STORAGE EQUIPMENT	0.00	0	15 - S2.5	0	0	6.67	15 - S2.5	0	0	6.67	0		
352.00	STRUCTURES AND IMPROVEMENTS	11,810,730.25	3,027,141	65 - R1.5	(10)	199,601	1.69	65 - R1.5	(15)	209,168	1.77	9,567		
353.00	STATION EQUIPMENT	124,063,578.98	36,680,955	45 - S0	(15)	3,176,028	2.56	45 - R1	(20)	3,303,313	2.67	127,285		
354.00	TOWERS AND FIXTURES	10,281,033.00	3,640,582	70 - R4	(30)	191,124	1.86	70 - R4	(30)	191,124	1.86	0		
355.00	POLES AND FIXTURES - WOOD	47,668,903.17	17,978,235	55 - R3	(30)	1,124,986	2.36	60 - R3	(50)	1,194,106	2.50	68,120		
355.10	POLES AND FIXTURES - STEEL	34,489,856.38	14,503,823	55 - R3	(30)	813,961	2.36	60 - R3	(50)	863,971	2.50	50,010		
356.00	OVERHEAD CONDUCTORS AND DEVICES	57,816,776.77	12,716,839	67 - R1	(10)	948,195	1.64	65 - R1.5	(20)	1,068,454	1.85	120,259		
356.10	OVERHEAD CONDUCTORS AND DEVICES - CLEARING	1,343,595.13	682,279	67 - R1	(10)	22,035	1.64	65 - R1.5	0	20,691	1.54	(1,344)		
357.00	UNDERGROUND CONDUIT	5,384,778.00	1,908,934	45 - R3	0	119,542	2.22	45 - R3	0	119,542	2.22	0		
358.00	UNDERGROUND CONDUCTORS AND DEVICES	15,767,527.51	5,186,988	35 - S3	0	450,951	2.86	35 - S3	(5)	473,499	3.00	22,548		
359.00	ROADS AND TRAILS	1,194,633.28	585,271	70 - R4	0	17,083	1.43	70 - R4	0	17,083	1.43	0		
TOTAL TRANSMISSION PLANT		318,891,650.84	102,684,678			7,178,570	2.25			7,576,015	2.38	397,445		
DISTRIBUTION PLANT														
360.00	LAND AND LAND RIGHTS - EASEMENTS	1,165,926.72	674,059	70 - S3	0	16,673	1.43	70 - S3	0	16,673	1.43	0		
360.10	LAND AND LAND RIGHTS - FEE	6,523,015.13	0	-	-	0	-	-	-	0	-	0		
361.00	STRUCTURES AND IMPROVEMENTS	15,510,960.40	3,523,146	55 - R3	(15)	324,600	2.09	55 - R3	(15)	324,600	2.09	0		
362.00	STATION EQUIPMENT	194,758,758.04	53,388,444	45 - S0	(10)	4,752,114	2.44	50 - S0	(15)	4,479,448	2.30	(272,666)		
363.00	ENERGY STORAGE EQUIPMENT	0.00	0	15 - S2.5	0	0	6.67	15 - S2.5	0	0	6.67	0		
364.00	POLES, TOWERS AND FIXTURES	173,646,513.01	62,791,309	60 - R0.5	(95)	5,643,512	3.25	55 - R0.5	(100)	6,320,733	3.64	677,221		
365.00	OVERHEAD CONDUCTORS AND DEVICES	200,872,050.92	58,205,276	70 - R1.5	(85)	5,303,022	2.64	65 - R1.5	(100)	6,186,859	3.08	883,837		
365.10	OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS	4,795,532.78	1,708,294	30 - R1	(25)	199,974	4.17	30 - R1	(40)	223,568	4.67	23,594		
366.00	UNDERGROUND CONDUIT	28,506,356.95	8,689,526	75 - R3	(30)	493,160	1.73	75 - R3	(50)	568,702	2.00	75,542		
367.00	UNDERGROUND CONDUCTORS AND DEVICES	141,124,406.85	45,283,769	60 - R4	(30)	3,062,400	2.17	60 - R4	(50)	3,535,147	2.50	472,747		
367.10	UNDERGROUND CONDUCTOR AND DEVICES - CABLECURE	9,561,674.81	9,561,675	RL - Amort	-	0	-	RL - Amort	-	0	-	0		
368.10	LINE TRANSFORMERS - OVERHEAD	52,927,138.91	17,170,753	45 - R0.5	(15)	1,354,935	2.56	50 - R0.5	(20)	1,270,210	2.40	(84,725)		
368.20	LINE TRANSFORMERS - OVERHEAD INSTALLATIONS	29,525,467.39	7,099,041	45 - R0.5	(15)	755,852	2.56	50 - R0.5	(20)	708,608	2.40	(47,244)		
368.30	LINE TRANSFORMERS - UNDERGROUND	40,784,813.72	14,875,375	45 - R0.5	(15)	1,044,091	2.56	50 - R0.5	(20)	978,836	2.40	(65,255)		
368.40	LINE TRANSFORMERS - UNDERGROUND INSTALLATIONS	14,456,100.88	2,058,894	45 - R0.5	(15)	370,076	2.56	50 - R0.5	(20)	346,946	2.40	(23,130)		
369.10	SERVICES - OVERHEAD	16,690,523.04	12,455,702	65 - R3	(95)	500,716	3.00	65 - R3	(110)	539,771	3.23	39,055		
369.20	SERVICES - UNDERGROUND	26,028,046.52	11,033,131	70 - R3	(95)	726,182	2.79	65 - R3	(110)	841,747	3.23	115,565		
370.10	METERS - ELECTROMECHANICAL	1,603,375.40	(4,998,574)	25 - L0	0	64,135	4.00	25 - L0	0	64,135	4.00	0		
370.11	METERS - SOLID STATE	5,311,831.76	(2,201,472)	20 - S2.5	0	265,592	5.00	20 - S2.5	0	265,592	5.00	0		
370.12	METERS - AMI	26,288,008.85	1,718,221	20 - S2	0	1,314,400	5.00	20 - S2	0	1,314,400	5.00	0		
370.15	METERS - ELECTROMECHANICAL - UNRECOVERED	0.00	437,667	-	-	437,667 (B)	-	-	-	437,667 (B)	-	0		
370.16	METERS - SOLID STATE - UNRECOVERED	0.00	447,133	-	-	447,133 (B)	-	-	-	447,133 (B)	-	0		
370.20	METER INSTALLATIONS - ELECTROMECHANICAL	706,381.55	(1,823,558)	25 - L0	0	28,255	4.00	25 - L0	0	28,255	4.00	0		
370.21	METER INSTALLATIONS - SOLID STATE	6,043,679.44	(2,630,400)	20 - S2.5	0	302,184	5.00	20 - S2.5	0	302,184	5.00	0		
370.22	METER INSTALLATIONS - AMI	11,043,849.54	569,690	20 - S2	0	552,192	5.00	20 - S2	0	552,192	5.00	0		
370.25	METER INSTALLATIONS - ELECTROMECHANICAL - UNRECOVERED	0.00	166,133	-	-	166,133 (B)	-	-	-	166,133 (B)	-	0		
370.26	METER INSTALLATIONS - SOLID STATE - UNRECOVERED	0.00	519,533	-	-	519,533 (B)	-	-	-	519,533 (B)	-	0		
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES	228,371.10	92,126	50 - R3	0	4,567	2.00	45 - R0.5	0	5,070	2.22	503		
371.10	INSTALL ON CUSTOMERS' PREMISES - PALISADES MALL	290,358.70	290,359	-	-	0 (A)	-	-	-	0 (A)	-	0		
373.10	STREET LIGHT AND SIGNAL SYSTEMS - OVERHEAD	10,308,337.87	4,681,857	40 - R0.5	(50)	386,563	3.75	45 - R0.5	(40)	320,383	3.11	(66,180)		
373.20	STREET LIGHT AND SIGNAL SYSTEMS - UNDERGROUND	6,446,054.89	2,852,591	40 - R0.5	(50)	241,727	3.75	45 - R0.5	(40)	200,343	3.11	(41,384)		
TOTAL DISTRIBUTION PLANT		1,025,147,535.17	308,639,698			29,277,388	2.86			30,964,868	3.02	1,687,480		

**ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT**

SUMMARY OF ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2019

		ORIGINAL COST		BOOK		EXISTING		PROPOSED		CALCULATED		INCREASE/ DECREASE (12)=(10)-(6)
ACCOUNT		AS OF	DEPRECIATION	SURVIVOR	NET	CALCULATED	SURVIVOR	NET	CALCULATED			
(1)	(2)	DECEMBER 31, 2019	RESERVE	CURVE	SALVAGE PERCENT	ANNUAL ACCRUAL	CURVE	SALVAGE PERCENT	ANNUAL ACCRUAL			
			(3)	(4)	(5)	(6)=(2)x(7)	(7)	(8)	(9)	(10)	(11)	
GENERAL PLANT												
389.10	LAND AND LAND RIGHTS - FEE	15,415.67	0	-	-	0	-	-	0	-	0	0
390.00	STRUCTURES AND IMPROVEMENTS	7,527,087.84	2,388,811	45 - S0	(40)	234,092	3.11	45 - S0	(30)	215,607	2.89	(18,485)
OFFICE FURNITURE AND EQUIPMENT												
391.10	FURNITURE	516,303.10	30,280	20 - SQ	0	25,815	5.00	20 - SQ	0	25,815	5.00	0
391.20	BUSINESS MACHINES	38,971.86	7,937	15 - SQ	0	2,599	6.67	15 - SQ	0	2,599	6.67	0
391.70	EDP EQUIPMENT	3,417,724.81	1,163,788	8 - SQ	0	427,216	12.50	8 - SQ	0	427,216	12.50	0
391.71	NON PC EQUIPMENT	0.00	199,387	8 - SQ	0	0	12.50	8 - SQ	0	0	12.50	0
391.80	E.C.C.	6,543,597.52	4,529,363	13 - SQ	0	503,203	7.69	13 - SQ	0	503,203	7.69	0
	TOTAL OFFICE FURNITURE AND EQUIPMENT	10,516,597.29	5,930,755			958,833	9.12			958,833	9.12	0
TRANSPORTATION EQUIPMENT												
392.10	PASSENGER CARS	651,206.09	502,223	12 - S1.5	10	48,840	7.50	12 - S2.5	10	48,821	7.50	(19)
392.20	LIGHT TRUCKS	9,456,205.23	6,831,627	9 - S1.5	10	945,621	10.00	10 - S1	10	851,058	9.00	(94,563)
392.30	HEAVY TRUCKS	17,056,571.81	11,747,176	13 - S3	5	1,246,835	7.31	14 - L3	5	1,156,947	6.79	(89,888)
392.40	TRAILERS AND TRUCK MOUNTED EQUIPMENT	1,922,104.74	1,289,866	12 - S3	5	152,231	7.92	14 - L3	5	130,376	6.79	(21,855)
	TOTAL TRANSPORTATION EQUIPMENT	29,086,087.87	20,370,892			2,393,527	8.23			2,187,202	7.52	(206,325)
STORES EQUIPMENT												
393.00	STORES EQUIPMENT	6,617.71	830	20 - SQ	0	331	5.00	20 - SQ	0	331	5.00	0
TOOLS, SHOP AND GARAGE EQUIPMENT												
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	4,037,889.28	1,637,732	20 - SQ	0	201,894	5.00	20 - SQ	0	201,894	5.00	0
LABORATORY EQUIPMENT												
395.00	LABORATORY EQUIPMENT	4,685,790.66	1,326,143	20 - SQ	0	234,290	5.00	20 - SQ	0	234,290	5.00	0
POWER OPERATED EQUIPMENT												
396.00	POWER OPERATED EQUIPMENT	651,154.79	1,249,779	18 - R3	15	28,017	4.72	18 - R3	15	28,017	4.72	0
396.10	POWER OPERATED EQUIPMENT - NON FLEET	283,443.81	220,674	18 - R3	15	13,396	4.72	18 - R3	15	13,396	4.72	0
COMMUNICATION EQUIPMENT												
397.00	COMMUNICATION EQUIPMENT	7,360,030.63	1,221,008	15 - SQ	0	490,914	6.67	15 - SQ	0	490,914	6.67	0
397.10	COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER	415,486.11	300,632	15 - SQ	0	27,713	6.67	15 - SQ	0	27,713	6.67	0
397.20	COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT	0.00	(21,549)	15 - SQ	0	0	6.67	15 - SQ	0	0	6.67	0
398.00	MISCELLANEOUS EQUIPMENT	1,786,416.04	389,556	20 - SQ	0	89,321	5.00	20 - SQ	0	89,321	5.00	0
	TOTAL GENERAL PLANT	66,372,017.70	35,015,265			4,672,328	7.04			4,447,518	6.70	(224,810)
	TOTAL ELECTRIC PLANT	1,455,719,184.13	472,728,644			47,354,623	3.25			49,214,738	3.38	1,860,115
COMMON PLANT												
INTANGIBLE PLANT												
301.00	ORGANIZATION	20,916.39	0	-	-	0	-	-	-	0	-	0
303.180	2011 COMMON SOFTWARE ADDITION	1,175,918.16	1,175,918	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.200	SOFTWARE - MAPPING SYSTEM	563,959.85	563,960	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.310	SOFTWARE - EZ-VMS SYSTEM	535,673.38	535,673	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.320	SOFTWARE - PEOPLESFT HR/P	3,092,759.92	1,804,502	15 - SQ	0	206,287	6.67	15 - SQ	0	206,287	6.67	0
303.330	ORACLE EBS AND HYPERION	12,104,607.51	5,992,390	15 - SQ	0	807,377	6.67	15 - SQ	0	807,377	6.67	0
303.400	SOFTWARE - CIMS SYSTEM	32,778,138.99	32,778,139	15 - SQ	0	0 (A)	6.67	15 - SQ	0	0 (A)	6.67	0
303.401	SOFTWARE - CIMS SYSTEM SOFTWARE UPGRADE	608,686.06	608,686	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.410	SOFTWARE - CUSTOMER BILLING	2,845,894.28	2,845,894	15 - SQ	0	0 (A)	6.67	15 - SQ	0	0 (A)	6.67	0
303.450	ORACLE STRATEGIC AGREEMENT	5,407,454.04	1,833,009	15 - SQ	0	360,677	6.67	15 - SQ	0	360,677	6.67	0
303.500	SOFTWARE - PLUS SYSTEM	1,126,825.30	1,126,825	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.510	SOFTWARE - POWER PLANT	1,408,052.33	868,325	15 - SQ	0	93,917	6.67	15 - SQ	0	93,917	6.67	0
303.600	SOFTWARE - WALKER SYSTEM	3,405,386.43	3,405,386	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.700	SOFTWARE - BUDGET SYSTEM	390,361.45	390,361	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.800	SOFTWARE - RETAIL ACCESS	9,167,745.93	9,167,746	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.810	SOFTWARE - RETAIL ACCESS - PHASE 4	1,224,075.59	1,224,076	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.840	SOFTWARE - FIELD ORDER ROUTE DESIGN SYSTEM	257,756.47	257,756	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.900	SOFTWARE - NB SIEBEL SYSTEM	275,834.80	275,835	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.910	SOFTWARE - NUCON SYSTEM	2,159,301.22	2,159,301	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.911	SOFTWARE - NUCON SYSTEM ENHANCEMENT	987,579.29	867,007	5 - SQ	0	197,516	20.00	5 - SQ	0	197,516	20.00	0
303.920	SOFTWARE - ROPES	248,715.64	248,716	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.930	SOFTWARE - STORM COMMUNICATION	1,639,616.66	1,639,617	5 - SQ	0	0 (A)	20.00	5 - SQ	0	0 (A)	20.00	0
303.940	SOFTWARE - 5 YEAR	11,675,906.27	2,458,202	5 - SQ	0	2,335,181	20.00	5 - SQ	0	2,335,181	20.00	0
303.950	SOFTWARE - PHONE APP	504,273.01	395,015	5 - SQ	0	100,855	20.00	5 - SQ	0	100,855	20.00	0
303.960	SOFTWARE - RETAIL ACCESS 2015	253,665.24	242,706	5 - SQ	0	50,733	20.00	5 - SQ	0	50,733	20.00	0
303.970	SOFTWARE - ROUTE SMART	182,029.79	173,159	5 - SQ	0	36,406	20.00	5 - SQ	0	36,406	20.00	0
303.980	SOFTWARE - EPMS	921,285.95	812,689	5 - SQ	0	184,257	20.00	5 - SQ	0	184,257	20.00	0
303.991	SOFTWARE - AMI SOFTWARE	24,582,161.29	2,342,699	20 - SQ	0	1,229,108	5.00	20 - SQ	0	1,229,108	5.00	0
303.992	SOFTWARE - CUSTOMER OUTAGE COMMUNICATION	1,603,988.37	1,283,191	5 - SQ	0	320,798	20.00	5 - SQ	0	320,798	20.00	0
303.994	SOFTWARE - PI 360	949,496.10	685,570	5 - SQ	0	189,899	20.00	5 - SQ	0	189,899	20.00	0
303.995	SOFTWARE - PRIMATE SITUATIONAL AWARENESS	616,922.64	534,879	5 - SQ	0	123,385	20.00	5 - SQ	0	123,385	20.00	0
	TOTAL INTANGIBLE PLANT	122,714,988.35	78,697,234			6,236,396	5.08			6,236,396	5.08	0

**ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT**

SUMMARY OF ANNUAL DEPRECIATION RATES AS OF DECEMBER 31, 2019

ACCOUNT (1)	ORIGINAL COST AS OF DECEMBER 31, 2019 (2)	BOOK DEPRECIATION RESERVE (3)	EXISTING				PROPOSED				INCREASE/ DECREASE (12)=(10)-(6)
			SURVIVOR CURVE (4)	NET SALVAGE PERCENT (5)	CALCULATED ANNUAL ACCRUAL		SURVIVOR CURVE (8)	NET SALVAGE PERCENT (9)	CALCULATED ANNUAL ACCRUAL		
					AMOUNT (6)=(2)x(7)	RATE (%) (7)			AMOUNT (10)	RATE (%) (11)	
GENERAL PLANT											
389.00 LAND AND LAND RIGHTS - EASEMENTS	15,966.05	12,933	50 - R3	-	319	2.00	50 - R3	0	319	2.00	0
389.10 LAND AND LAND RIGHTS - FEE	790,237.58	0	-	-	0	-	-	-	0	-	0
389.50 LAND AND LAND RIGHTS - MOMBASHA	17,121.66	15,855	50 - SQ	0	342	2.00	50 - SQ	0	342	2.00	0
390.00 STRUCTURES AND IMPROVEMENTS	83,501,247.85	22,579,337	45 - S0	(40)	2,596,889	3.11	45 - S0	(30)	2,407,486	2.89	(189,403)
390.10 LEASEHOLD IMPROVEMENTS - BLUE HILL	1,657,906.59	1,454,424	RL - Amort	-	110,667	-	RL - Amort	-	110,667	-	0
OFFICE FURNITURE AND EQUIPMENT											
391.10 FURNITURE	4,806,666.40	1,052,574	20 - SQ	0	240,333	5.00	20 - SQ	0	240,333	5.00	0
391.20 BUSINESS MACHINES	1,194,773.93	307,674	15 - SQ	0	79,691	6.67	15 - SQ	0	79,691	6.67	0
391.30 CASH EQUIPMENT	157,884.97	103,844	8 - SQ	0	19,736	12.50	8 - SQ	0	19,736	12.50	0
391.70 EDP EQUIPMENT	17,462,425.48	7,722,721	8 - SQ	0	2,182,803	12.50	8 - SQ	0	2,182,803	12.50	0
391.71 NON PC EQUIPMENT	13,178.36	18,767	8 - SQ	0	1,647	12.50	8 - SQ	0	1,647	12.50	0
TOTAL OFFICE FURNITURE AND EQUIPMENT	23,634,929.14	9,205,580			2,524,210	10.68			2,524,210	10.68	0
TRANSPORTATION EQUIPMENT											
392.10 PASSENGER CARS	3,850,717.76	1,583,112	12 - S1.5	10	288,804	7.50	12 - S2.5	10	288,688	7.50	(116)
392.20 LIGHT TRUCKS	6,692,348.30	6,526,489	9 - S1.5	10	668,235	10.00	10 - S1	10	601,411	9.00	(66,824)
392.30 HEAVY TRUCKS	3,540,946.71	963,111	13 - S3	5	258,843	7.31	14 - L3	5	240,182	6.79	(18,661)
392.40 TRAILERS AND TRUCK MOUNTED EQUIPMENT	154,892.81	152,738	12 - S3	5	12,268	7.92	14 - L3	5	10,205	6.79	(2,063)
TOTAL TRANSPORTATION EQUIPMENT	14,228,905.58	9,225,450			1,228,150	8.63			1,140,486	8.02	(87,664)
STORES EQUIPMENT											
393.00 STORES EQUIPMENT	997,888.94	143,024	20 - SQ	0	49,894	5.00	20 - SQ	0	49,894	5.00	0
394.00 TOOLS, SHOP AND GARAGE EQUIPMENT	1,085,292.38	493,097	20 - SQ	0	54,265	5.00	20 - SQ	0	54,265	5.00	0
394.20 GARAGE EQUIPMENT	6,669,691.38	967,019	20 - SQ	0	333,485	5.00	20 - SQ	0	333,485	5.00	0
395.00 LABORATORY EQUIPMENT	2,564,900.66	717,892	20 - SQ	0	128,245	5.00	20 - SQ	0	128,245	5.00	0
396.00 POWER OPERATED EQUIPMENT	2,509,427.47	963,897	18 - R3	15	115,868	4.72	18 - R3	15	115,868	4.72	0
396.10 POWER OPERATED EQUIPMENT - NON FLEET	200,692.25	107,925	18 - R3	15	9,312	4.72	18 - R3	15	9,312	4.72	0
397.00 COMMUNICATION EQUIPMENT	21,325,422.89	6,969,197	15 - SQ	0	1,422,406	6.67	15 - SQ	0	1,422,406	6.67	0
397.10 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER	2,856,245.27	1,416,196	15 - SQ	0	190,512	6.67	15 - SQ	0	190,512	6.67	0
397.20 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT	5,577,535.76	604,098	15 - SQ	0	372,022	6.67	15 - SQ	0	372,022	6.67	0
398.00 MISCELLANEOUS EQUIPMENT	3,250,603.04	988,980	20 - SQ	0	162,530	5.00	20 - SQ	0	162,530	5.00	0
TOTAL GENERAL PLANT	170,884,014.49	55,864,905			9,299,116	5.44			9,022,049	5.28	(277,067)
TOTAL COMMON PLANT	293,599,002.84	134,562,138			15,535,512	5.29			15,258,445	5.20	(277,067)

NOTE - THIS EXHIBIT EXCLUDES PLANT HELD FOR FUTURE USE

(A) - FULLY RECOVERED

(B) - PER SETTLEMENT IN CASE NO. 18-E-0067, THE UNRECOVERED COSTS OF LEGACY METERS AND METER INSTALLATIONS WILL BE RECOVERED OVER A 15-YEAR PERIOD.

ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT

SUMMARY OF THE COMPUTED RESERVES FOR DEPRECIATION AS OF DECEMBER 31, 2019

			EXISTING				PROPOSED			
ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2019	BOOK DEPRECIATION RESERVE	SURVIVOR CURVE	NET SALVAGE PERCENT	THEORETICAL RESERVE	RESERVE VARIATION	SURVIVOR CURVE	NET SALVAGE PERCENT	THEORETICAL RESERVE	RESERVE VARIATION
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(3)-(6)	(8)	(9)	(10)	(11)=(3)-(10)
ELECTRIC PLANT										
INTANGIBLE PLANT										
302.00	FRANCHISES AND CONSENTS	20,656.75	0	-	0	0	-	-	0	0
303.10	MISCELLANEOUS INTANGIBLE PLANT - WMS SYSTEM SOFTWARE	845,700.16	845,700	5 - SQ	0	845,700 (A)	5 - SQ	0	845,700 (A)	0
303.11	MISCELLANEOUS INTANGIBLE PLANT - DISTANCE MANAGEMENT SYSTEM (DMS)	384,572.51	384,573	5 - SQ	0	384,573 (A)	5 - SQ	0	384,573 (A)	0
303.12	MISCELLANEOUS INTANGIBLE PLANT - DISTRIBUTION ENGINEERING SYSTEM (DEW)	1,777,270.10	1,777,270	5 - SQ	0	1,777,270 (A)	5 - SQ	0	1,777,270 (A)	0
303.13	MISCELLANEOUS INTANGIBLE PLANT - STRAY VOLTAGE SYSTEM	1,046,804.19	1,046,804	5 - SQ	0	1,046,804 (A)	5 - SQ	0	1,046,804 (A)	0
303.14	MISCELLANEOUS INTANGIBLE PLANT - OUTAGE MANAGEMENT SYSTEM (OMS)	1,473,303.04	1,473,303	5 - SQ	0	1,473,303 (A)	5 - SQ	0	1,473,303 (A)	0
303.15	WEB WMS PHASE 1	963,315.47	963,315	5 - SQ	0	963,315 (A)	5 - SQ	0	963,315 (A)	0
303.17	ELECTRIC SOFTWARE PROJECT 2009	1,760,854.43	1,760,854	5 - SQ	0	1,760,854 (A)	5 - SQ	0	1,760,854 (A)	0
303.19	2011 ELECTRIC SOFTWARE	2,088,148.77	2,088,149	5 - SQ	0	2,088,149 (A)	5 - SQ	0	2,088,149 (A)	0
303.83	SOFTWARE - GAS INSPECTION MGMT SYSTEM (GIMS)	2,826,964.66	2,447,324	5 - SQ	0	2,447,324 (A)	5 - SQ	0	2,447,324 (A)	0
303.84	SOFTWARE - OUTAGE MANAGEMENT - PHASE II	788,364.24	788,364	5 - SQ	0	788,364 (A)	5 - SQ	0	788,364 (A)	0
303.85	SOFTWARE - OUTAGE MANAGEMENT - 2014 UPGRADE	3,027,311.78	3,027,312	5 - SQ	0	3,027,312 (A)	5 - SQ	0	3,027,312 (A)	0
303.87	SOFTWARE - EIMS	960,312.65	849,350	5 - SQ	0	849,350 (A)	5 - SQ	0	849,350 (A)	0
303.88	SOFTWARE - ECC/ACC	77,479.99	5,165	5 - SQ	0	5,165 (A)	5 - SQ	0	5,165 (A)	0
303.89	SOFTWARE - NUCON DG	338,018.62	326,614	5 - SQ	0	326,614 (A)	5 - SQ	0	326,614 (A)	0
303.90	SOFTWARE - ARCOS CREW MANAGEMENT	324,375.79	308,172	5 - SQ	0	308,172 (A)	5 - SQ	0	308,172 (A)	0
303.92	SOFTWARE - STORM OUTAGE DASH	182,794.01	158,184	5 - SQ	0	158,184 (A)	5 - SQ	0	158,184 (A)	0
303.94	SOFTWARE - 5 YEAR	26,421,733.26	8,138,549	5 - SQ	0	8,138,549 (A)	5 - SQ	0	8,138,549 (A)	0
TOTAL INTANGIBLE PLANT										
	45,307,980.42	26,389,004			26,389,004	0			26,389,004	0
TRANSMISSION PLANT										
350.00	LAND AND LAND RIGHTS - EASEMENTS	8,046,451.08	5,773,630	70 - S3	0	4,875,660	70 - R3	0	4,712,772	1,060,858
350.10	LAND AND LAND RIGHTS - FEE	1,023,787.29	0	-	-	0	-	-	0	0
351.00	ENERGY STORAGE EQUIPMENT	0.00	0	15 - S2.5	0	0	15 - S2.5	0	0	0
352.00	STRUCTURES AND IMPROVEMENTS	11,810,730.25	3,027,141	65 - R1.5	(10)	3,083,884	65 - R1.5	(15)	3,224,064	(196,923)
353.00	STATION EQUIPMENT	124,063,578.98	36,680,955	45 - S0	(15)	33,258,453	45 - R1	(20)	33,781,329	2,899,626
354.00	TOWERS AND FIXTURES	10,281,033.00	3,640,582	70 - R4	(30)	4,623,211	70 - R4	(30)	4,623,211	(982,629)
355.00	POLES AND FIXTURES - WOOD	47,668,903.17	17,978,235	55 - R3	(30)	17,509,488	60 - R3	(50)	18,741,384	(763,149)
355.10	POLES AND FIXTURES - STEEL	34,489,856.38	14,503,823	55 - R3	(30)	12,112,731	60 - R3	(50)	12,974,108	1,529,715
356.00	OVERHEAD CONDUCTORS AND DEVICES	57,816,776.77	12,716,839	67 - R1	(10)	10,347,758	65 - R1.5	(20)	12,753,630	(36,791)
356.10	OVERHEAD CONDUCTORS AND DEVICES - CLEARING	1,343,595.13	682,279	67 - R1	(10)	709,081	65 - R1.5	0	714,914	(32,635)
357.00	UNDERGROUND CONDUIT	5,384,778.00	1,908,934	45 - R3	0	1,333,553	45 - R3	0	1,333,553	575,381
358.00	UNDERGROUND CONDUCTORS AND DEVICES	15,767,527.51	5,186,988	35 - S3	0	4,535,076	35 - S3	(5)	4,761,829	425,159
359.00	ROADS AND TRAILS	1,194,633.28	585,271	70 - R4	0	524,477	70 - R4	0	524,477	60,794
TOTAL TRANSMISSION PLANT										
	318,891,650.84	102,684,678			92,913,372	9,771,306			98,145,271	4,539,407
DISTRIBUTION PLANT										
360.00	LAND AND LAND RIGHTS - EASEMENTS	1,165,926.72	674,059	70 - S3	0	455,685	70 - S3	0	455,685	218,374
360.10	LAND AND LAND RIGHTS - FEE	6,523,015.13	0	-	-	0	-	-	0	0
361.00	STRUCTURES AND IMPROVEMENTS	15,510,960.40	3,523,146	55 - R3	(15)	4,276,512	55 - R3	(15)	4,276,512	(753,366)
362.00	STATION EQUIPMENT	194,758,758.04	53,388,444	45 - S0	(10)	45,684,194	50 - S0	(15)	43,809,494	9,578,950
363.00	ENERGY STORAGE EQUIPMENT	0.00	0	15 - S2.5	0	0	15 - S2.5	0	0	0
364.00	POLES, TOWERS AND FIXTURES	173,646,513.01	62,791,309	60 - R0.5	(95)	57,255,440	55 - R0.5	(100)	63,769,262	(977,953)
365.00	OVERHEAD CONDUCTORS AND DEVICES	200,872,050.92	58,205,276	70 - R1.5	(85)	68,760,993	65 - R1.5	(100)	79,530,427	(21,325,151)
365.10	OVERHEAD CONDUCTORS AND DEVICES - CAPACITORS	4,795,532.78	1,708,294	30 - R1	(25)	1,746,338	30 - R1	(40)	1,955,896	(247,602)
366.00	UNDERGROUND CONDUIT	28,506,356.95	8,689,526	75 - R3	(30)	8,059,514	75 - R3	(50)	9,299,439	(609,913)
367.00	UNDERGROUND CONDUCTORS AND DEVICES	141,124,406.85	45,283,769	60 - R4	(30)	46,654,614	60 - R4	(50)	53,832,250	(8,548,481)
367.10	UNDERGROUND CONDUCTOR AND DEVICES - CABLECURE	9,561,674.81	9,561,675	-	-	9,561,675 (A)	-	-	9,561,675 (A)	0
368.10	LINE TRANSFORMERS - OVERHEAD	52,927,138.91	17,170,753	45 - R0.5	(15)	16,127,585	50 - R0.5	(20)	15,294,010	1,876,743
368.20	LINE TRANSFORMERS - OVERHEAD INSTALLATIONS	29,525,467.39	7,099,041	45 - R0.5	(15)	6,547,486	50 - R0.5	(20)	6,193,169	905,872
368.30	LINE TRANSFORMERS - UNDERGROUND	40,784,813.72	14,875,375	45 - R0.5	(15)	10,420,167	50 - R0.5	(20)	9,847,612	5,027,763
368.40	LINE TRANSFORMERS - UNDERGROUND INSTALLATIONS	14,456,100.88	2,058,894	45 - R0.5	(15)	2,329,785	50 - R0.5	(20)	2,199,712	(140,818)
369.10	SERVICES - OVERHEAD	16,690,523.04	12,455,702	65 - R3	(95)	13,398,358	65 - R3	(110)	14,429,001	(1,973,299)
369.20	SERVICES - UNDERGROUND	26,028,046.52	11,033,131	70 - R3	(95)	10,977,863	65 - R3	(110)	12,656,469	(1,623,338)
370.10	METERS - ELECTROMECHANICAL	1,603,375.40	(4,998,574)	25 - L0	0	(4,998,574) (A)	25 - L0	0	(4,998,574) (A)	0
370.11	METERS - SOLID STATE	5,311,831.76	(2,201,472)	20 - S2.5	0	(2,201,472) (A)	20 - S2.5	0	(2,201,472) (A)	0
370.12	METERS - AMI	26,288,008.85	1,718,221	20 - S2	0	1,806,165	20 - S2	0	1,806,165	(87,944)
370.15	METERS - ELECTROMECHANICAL - UNRECOVERED	0.00	437,667	25 - L0	0	437,667	25 - L0	0	437,667	0
370.16	METERS - SOLID STATE - UNRECOVERED	0.00	447,133	20 - S2.5	0	447,133	20 - S2.5	0	447,133	0
370.20	METER INSTALLATIONS - ELECTROMECHANICAL	706,381.55	(1,823,558)	25 - L0	0	(1,823,558) (A)	25 - L0	0	(1,823,558) (A)	0
370.21	METER INSTALLATIONS - SOLID STATE	6,043,679.44	(2,630,400)	20 - S2.5	0	(2,630,400) (A)	20 - S2.5	0	(2,630,400) (A)	0
370.22	METER INSTALLATIONS - AMI	11,043,849.54	569,690	20 - S2	0	611,545	20 - S2	0	611,545	(41,855)
370.25	METER INSTALLATIONS - ELECTROMECHANICAL - UNRECOVERED	0.00	166,133	25 - L0	0	166,133	25 - L0	0	166,133	0
370.26	METER INSTALLATIONS - SOLID STATE - UNRECOVERED	0.00	519,533	20 - S2.5	0	519,533	20 - S2.5	0	519,533	0
371.00	INSTALLATIONS ON CUSTOMERS' PREMISES	228,371.10	92,126	50 - R3	0	73,092	19,034	45 - R0.5	51,816	40,310
371.10	INSTALL ON CUSTOMERS' PREMISES - PALISADES MALL	290,358.70	290,359	5 - SQ	0	290,359 (A)	5 - SQ	0	290,359 (A)	0
373.10	STREET LIGHT AND SIGNAL SYSTEMS - OVERHEAD	10,308,337.87	4,681,857	40 - R0.5	(50)	3,839,031	45 - R0.5	(40)	3,225,024	1,456,833
373.20	STREET LIGHT AND SIGNAL SYSTEMS - UNDERGROUND	6,446,054.89	2,852,591	40 - R0.5	(50)	2,270,977	45 - R0.5	(40)	1,904,628	947,963
TOTAL DISTRIBUTION PLANT										
	1,025,147,535.17	308,639,698			301,063,840	7,575,859			324,916,612	(16,276,913)

**ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT**

SUMMARY OF THE COMPUTED RESERVES FOR DEPRECIATION AS OF DECEMBER 31, 2019

ACCOUNT (1)	ORIGINAL COST AS OF DECEMBER 31, 2019 (2)	BOOK DEPRECIATION RESERVE (3)	EXISTING				PROPOSED			
			SURVIVOR CURVE (4)	NET SALVAGE PERCENT (5)	THEORETICAL RESERVE (6)	RESERVE VARIATION (7)=(3)-(6)	SURVIVOR CURVE (8)	NET SALVAGE PERCENT (9)	THEORETICAL RESERVE (10)	RESERVE VARIATION (11)=(3)-(10)
GENERAL PLANT										
389.10 LAND AND LAND RIGHTS - FEE	15,415.67	0	-	-	0	0	-	-	0	0
390.00 STRUCTURES AND IMPROVEMENTS	7,527,087.84	2,388,811	45 - S0	(40)	2,486,011	(97,200)	45 - S0	(30)	2,308,443	80,368
OFFICE FURNITURE AND EQUIPMENT										
391.10 FURNITURE	516,303.10	30,280	20 - SQ	0	30,280 (A)	0	20 - SQ	0	30,280 (A)	0
391.20 BUSINESS MACHINES	38,971.86	7,937	15 - SQ	0	7,937 (A)	0	15 - SQ	0	7,937 (A)	0
391.70 EDP EQUIPMENT	3,417,724.81	1,163,788	8 - SQ	0	1,163,788 (A)	0	8 - SQ	0	1,163,788 (A)	0
391.71 NON PC EQUIPMENT	0.00	199,387	8 - SQ	0	199,387 (A)	0	8 - SQ	0	199,387 (A)	0
391.80 E.C.C.	6,543,597.52	4,529,363	13 - SQ	0	4,529,363 (A)	0	13 - SQ	0	4,529,363 (A)	0
TOTAL OFFICE FURNITURE AND EQUIPMENT	10,516,597.29	5,930,755			5,930,755	0			5,930,755	0
TRANSPORTATION EQUIPMENT										
392.10 PASSENGER CARS	651,206.09	502,223	12 - S1.5	10	163,971	338,252	12 - S2.5	10	170,994	331,229
392.20 LIGHT TRUCKS	9,456,205.23	6,831,627	9 - S1.5	10	4,279,204	2,552,423	10 - S1	10	3,795,154	3,036,473
392.30 HEAVY TRUCKS	17,056,571.81	11,747,176	13 - S3	5	7,771,322	3,975,854	14 - L3	5	6,898,836	4,848,340
392.40 TRAILERS AND TRUCK MOUNTED EQUIPMENT	1,922,104.74	1,289,866	12 - S3	5	1,116,165	173,701	14 - L3	5	961,495	328,371
TOTAL TRANSPORTATION EQUIPMENT	29,086,087.87	20,370,892			13,330,662	7,040,230			11,826,479	8,544,413
393.00 STORES EQUIPMENT	6,617.71	830	20 - SQ	0	830 (A)	0	20 - SQ	0	830 (A)	0
394.00 TOOLS, SHOP AND GARAGE EQUIPMENT	4,037,889.28	1,637,732	20 - SQ	0	1,637,732 (A)	0	20 - SQ	0	1,637,732 (A)	0
395.00 LABORATORY EQUIPMENT	4,685,790.66	1,326,143	20 - SQ	0	1,326,143 (A)	0	20 - SQ	0	1,326,143 (A)	0
396.00 POWER OPERATED EQUIPMENT	651,154.79	1,249,779	18 - R3	15	433,558	816,221	18 - R3	15	433,558	816,221
396.10 POWER OPERATED EQUIPMENT - NON FLEET	283,443.81	220,674	18 - R3	15	157,138	63,536	18 - R3	15	157,138	63,536
397.00 COMMUNICATION EQUIPMENT	7,360,030.63	1,221,008	15 - SQ	0	1,221,008 (A)	0	15 - SQ	0	1,221,008 (A)	0
397.10 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER	415,486.11	300,632	15 - SQ	0	300,632 (A)	0	15 - SQ	0	300,632 (A)	0
397.20 COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT	0.00	(21,549)	15 - SQ	0	(21,549) (A)	0	15 - SQ	0	(21,549) (A)	0
398.00 MISCELLANEOUS EQUIPMENT	1,786,416.04	389,556	20 - SQ	0	389,556 (A)	0	20 - SQ	0	389,556 (A)	0
TOTAL GENERAL PLANT	66,372,017.70	35,015,265			27,192,478	7,822,787			25,510,727	9,504,538
TOTAL ELECTRIC PLANT	1,455,719,184.13	472,728,644			447,558,693	25,169,951			474,961,613	(2,232,969)
Reserve Variation Percentage						5.62%				-0.47%
COMMON PLANT										
INTANGIBLE PLANT										
301.00 ORGANIZATION	20,916.39	0	-	-	0	0	-	-	0	0
303.180 2011 COMMON SOFTWARE ADDITION	1,175,918.16	1,175,918	5 - SQ	0	1,175,918 (A)	0	5 - SQ	0	1,175,918 (A)	0
303.200 SOFTWARE - MAPPING SYSTEM	563,959.85	563,960	5 - SQ	0	563,960 (A)	0	5 - SQ	0	563,960 (A)	0
303.310 SOFTWARE - EZ-VMS SYSTEM	535,673.38	535,673	5 - SQ	0	535,673 (A)	0	5 - SQ	0	535,673 (A)	0
303.320 SOFTWARE - PEOPLESFT HR/P	3,092,759.92	1,804,502	15 - SQ	0	1,804,502 (A)	0	15 - SQ	0	1,804,502 (A)	0
303.330 ORACLE EBS AND HYPERION	12,104,607.51	5,992,390	15 - SQ	0	5,992,390 (A)	0	15 - SQ	0	5,992,390 (A)	0
303.400 SOFTWARE - CIMS SYSTEM	32,778,138.99	32,778,139	15 - SQ	0	32,778,139 (A)	0	15 - SQ	0	32,778,139 (A)	0
303.401 SOFTWARE - CIMS SYSTEM SOFTWARE UPGRADE	608,686.06	608,686	5 - SQ	0	608,686 (A)	0	5 - SQ	0	608,686 (A)	0
303.410 SOFTWARE - CUSTOMER BILLING	2,845,894.28	2,845,894	15 - SQ	0	2,845,894 (A)	0	15 - SQ	0	2,845,894 (A)	0
303.450 ORACLE STRATEGIC AGREEMENT	5,407,454.04	1,833,009	15 - SQ	0	1,833,009 (A)	0	15 - SQ	0	1,833,009 (A)	0
303.500 SOFTWARE - PLUS SYSTEM	1,126,825.30	1,126,825	5 - SQ	0	1,126,825 (A)	0	5 - SQ	0	1,126,825 (A)	0
303.510 SOFTWARE - POWER PLANT	1,408,052.33	868,325	15 - SQ	0	868,325 (A)	0	15 - SQ	0	868,325 (A)	0
303.600 SOFTWARE - WALKER SYSTEM	3,405,386.43	3,405,386	5 - SQ	0	3,405,386 (A)	0	5 - SQ	0	3,405,386 (A)	0
303.700 SOFTWARE - BUDGET SYSTEM	390,361.45	390,361	5 - SQ	0	390,361 (A)	0	5 - SQ	0	390,361 (A)	0
303.800 SOFTWARE - RETAIL ACCESS	9,167,745.93	9,167,746	5 - SQ	0	9,167,746 (A)	0	5 - SQ	0	9,167,746 (A)	0
303.810 SOFTWARE - RETAIL ACCESS - PHASE 4	1,224,075.59	1,224,076	5 - SQ	0	1,224,076 (A)	0	5 - SQ	0	1,224,076 (A)	0
303.840 SOFTWARE - FIELD ORDER ROUTE DESIGN SYSTEM	257,756.47	257,756	5 - SQ	0	257,756 (A)	0	5 - SQ	0	257,756 (A)	0
303.900 SOFTWARE - NB SIEBEL SYSTEM	275,834.80	275,835	5 - SQ	0	275,835 (A)	0	5 - SQ	0	275,835 (A)	0
303.910 SOFTWARE - NUON SYSTEM	2,159,301.22	2,159,301	5 - SQ	0	2,159,301 (A)	0	5 - SQ	0	2,159,301 (A)	0
303.911 SOFTWARE - NUON SYSTEM ENHANCEMENT	987,579.29	867,007	5 - SQ	0	867,007 (A)	0	5 - SQ	0	867,007 (A)	0
303.920 SOFTWARE - ROPES	248,715.64	248,716	5 - SQ	0	248,716 (A)	0	5 - SQ	0	248,716 (A)	0
303.930 SOFTWARE - STORM COMMUNICATION	1,639,616.66	1,639,617	5 - SQ	0	1,639,617 (A)	0	5 - SQ	0	1,639,617 (A)	0
303.940 SOFTWARE - 5 YEAR	11,675,906.27	2,458,202	5 - SQ	0	2,458,202 (A)	0	5 - SQ	0	2,458,202 (A)	0
303.950 SOFTWARE - PHONE APP	504,273.01	395,015	5 - SQ	0	395,015 (A)	0	5 - SQ	0	395,015 (A)	0
303.960 SOFTWARE - RETAIL ACCESS 2015	253,665.24	242,706	5 - SQ	0	242,706 (A)	0	5 - SQ	0	242,706 (A)	0
303.970 SOFTWARE - ROUTE SMART	182,029.79	173,159	5 - SQ	0	173,159 (A)	0	5 - SQ	0	173,159 (A)	0
303.980 SOFTWARE - EPMS	921,285.95	812,689	5 - SQ	0	812,689 (A)	0	5 - SQ	0	812,689 (A)	0
303.991 SOFTWARE - AMI SOFTWARE	24,582,161.29	2,342,699	20 - SQ	0	2,342,699 (A)	0	20 - SQ	0	2,342,699 (A)	0
303.992 SOFTWARE - CUSTOMER OUTAGE COMMUNICATION	1,603,988.37	1,283,191	5 - SQ	0	1,283,191 (A)	0	5 - SQ	0	1,283,191 (A)	0
303.994 SOFTWARE - PI 360	949,496.10	685,570	5 - SQ	0	685,570 (A)	0	5 - SQ	0	685,570 (A)	0
303.995 SOFTWARE - PRIMATE SITUATIONAL AWARENESS	616,922.64	534,879	5 - SQ	0	534,879 (A)	0	5 - SQ	0	534,879 (A)	0
TOTAL INTANGIBLE PLANT	122,714,988.35	78,697,234			78,697,234	0			78,697,234	0

**ORANGE AND ROCKLAND UTILITIES, INC.
ELECTRIC AND COMMON PLANT**

SUMMARY OF THE COMPUTED RESERVES FOR DEPRECIATION AS OF DECEMBER 31, 2019

ACCOUNT (1)	ORIGINAL COST AS OF DECEMBER 31, 2019 (2)	BOOK DEPRECIATION RESERVE (3)	EXISTING				PROPOSED				
			SURVIVOR CURVE (4)	NET SALVAGE PERCENT (5)	THEORETICAL RESERVE (6)	RESERVE VARIATION (7)=(3)-(6)	SURVIVOR CURVE (8)	NET SALVAGE PERCENT (9)	THEORETICAL RESERVE (10)	RESERVE VARIATION (11)=(3)-(10)	
GENERAL PLANT											
389.00	LAND AND LAND RIGHTS - EASEMENTS	15,966.05	12,933	50 - R3	0	11,849	1,084	50 - R3	0	11,849	1,084
389.10	LAND AND LAND RIGHTS - FEE	790,237.58	0	-	-	0	0	-	-	0	0
389.50	LAND AND LAND RIGHTS - MOMBASHA	17,121.66	15,855	50 - SQ	0	15,855 (A)	0	50 - SQ	0	15,855 (A)	0
390.00	STRUCTURES AND IMPROVEMENTS	83,501,247.85	22,579,337	45 - S0	(40)	29,171,535	(6,592,198)	45 - S0	(30)	27,087,849	(4,508,512)
390.10	LEASEHOLD IMPROVEMENTS - BLUE HILL	1,657,906.59	1,454,424	RL - Amort	-	1,454,424 (A)	0	RL - Amort	-	1,454,424 (A)	0
OFFICE FURNITURE AND EQUIPMENT											
391.10	FURNITURE	4,806,666.40	1,052,574	20 - SQ	0	1,052,574 (A)	0	20 - SQ	0	1,052,574 (A)	0
391.20	BUSINESS MACHINES	1,194,773.93	307,674	15 - SQ	0	307,674 (A)	0	15 - SQ	0	307,674 (A)	0
391.30	CASH EQUIPMENT	157,884.97	103,844	8 - SQ	0	103,844 (A)	0	8 - SQ	0	103,844 (A)	0
391.70	EDP EQUIPMENT	17,462,425.48	7,722,721	8 - SQ	0	7,722,721 (A)	0	8 - SQ	0	7,722,721 (A)	0
391.71	NON PC EQUIPMENT	13,178.36	18,767	8 - SQ	0	18,767 (A)	0	8 - SQ	0	18,767 (A)	0
	TOTAL OFFICE FURNITURE AND EQUIPMENT	23,634,929.14	9,205,580			9,205,580	0			9,205,580	0
TRANSPORTATION EQUIPMENT											
392.10	PASSENGER CARS	3,850,717.76	1,583,112	12 - S1.5	10	1,017,509	565,603	12 - S2.5	10	1,065,207	517,905
392.20	LIGHT TRUCKS	6,682,348.30	6,526,489	9 - S1.5	10	4,269,720	2,256,769	10 - S1	10	3,827,882	2,698,607
392.30	HEAVY TRUCKS	3,540,946.71	963,111	13 - S3	5	949,220	13,891	14 - L3	5	856,912	106,199
392.40	TRAILERS AND TRUCK MOUNTED EQUIPMENT	154,892.81	152,738	12 - S3	5	112,461	40,277	14 - L3	5	97,601	55,137
	TOTAL TRANSPORTATION EQUIPMENT	14,228,905.58	9,225,450			6,348,910	2,876,540			5,847,602	3,377,848
STORES EQUIPMENT											
393.00	STORES EQUIPMENT	997,888.94	143,024	20 - SQ	0	143,024 (A)	0	20 - SQ	0	143,024 (A)	0
394.00	TOOLS, SHOP AND GARAGE EQUIPMENT	1,085,292.38	493,097	20 - SQ	0	493,097 (A)	0	20 - SQ	0	493,097 (A)	0
394.20	GARAGE EQUIPMENT	6,669,691.38	967,019	20 - SQ	0	967,019 (A)	0	20 - SQ	0	967,019 (A)	0
395.00	LABORATORY EQUIPMENT	2,564,900.66	717,892	20 - SQ	0	717,892 (A)	0	20 - SQ	0	717,892 (A)	0
396.00	POWER OPERATED EQUIPMENT	2,509,427.47	963,897	18 - R3	15	1,061,944	(98,047)	18 - R3	15	1,061,944	(98,047)
396.10	POWER OPERATED EQUIPMENT - NON FLEET	200,692.25	107,925	18 - R3	15	106,487	1,438	18 - R3	15	106,487	1,438
397.00	COMMUNICATION EQUIPMENT	21,325,422.89	6,969,197	15 - SQ	0	6,969,197 (A)	0	15 - SQ	0	6,969,197 (A)	0
397.10	COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM COMPUTER	2,856,245.27	1,416,196	15 - SQ	0	1,416,196 (A)	0	15 - SQ	0	1,416,196 (A)	0
397.20	COMMUNICATION EQUIPMENT - TELEPHONE SYSTEM EQUIPMENT	5,577,535.76	604,098	15 - SQ	0	604,098 (A)	0	15 - SQ	0	604,098 (A)	0
398.00	MISCELLANEOUS EQUIPMENT	3,250,603.04	988,980	20 - SQ	0	988,980 (A)	0	20 - SQ	0	988,980 (A)	0
TOTAL GENERAL PLANT		170,884,014.49	55,864,905			59,676,087	(3,811,183)			57,091,093	(1,226,189)
TOTAL COMMON PLANT		293,599,002.84	134,562,138			138,373,321	(3,811,183)			135,788,327	(1,226,189)
Reserve Variation Percentage							-2.75%	-0.90%			

NOTE - THIS EXHIBIT EXCLUDES PLANT HELD FOR FUTURE USE

(A) - ACCUMULATED PROVISION FOR DEPRECIATION USED FOR COMPUTED RESERVE

Depreciation Panel

Exhibit DP-E4

Orange and Rockland Utilities, Inc., Electric and Common Plant, Rolling and Shrinking Band Analysis

Due to the large size of this exhibit (>900 pages) and its relatively limited audience, it is not being provided here in the standard hard copy volume books.

Stand-alone hard copies of the exhibit are being provided to Staff Depreciation SMEs and are available to everyone electronically.

STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

CASE 21-E-0074 - Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service.

CASE 21-G-0073 - Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Gas Service.

ORDER ADOPTING TERMS OF JOINT PROPOSAL AND
ESTABLISHING ELECTRIC AND GAS RATE PLANS,
WITH ADDITIONAL REQUIREMENTS

Issued and Effective: April 14, 2022

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STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

At a session of the Public Service
Commission held in the City of
Albany on April 14, 2022

COMMISSIONERS PRESENT:

Rory M. Christian, Chair
Diane X. Burman
James S. Alesi
Tracey A. Edwards, dissenting
John B. Howard
David J. Valesky
John B. Maggiore

CASE 21-E-0074 - Proceeding on Motion of the Commission as to
the Rates, Charges, Rules and Regulations of
Orange and Rockland Utilities, Inc. for
Electric Service.

CASE 21-G-0073 - Proceeding on Motion of the Commission as to
the Rates, Charges, Rules and Regulations of
Orange and Rockland Utilities, Inc. for Gas
Service.

ORDER ADOPTING TERMS OF JOINT PROPOSAL AND
ESTABLISHING ELECTRIC AND GAS RATE PLANS,
WITH ADDITIONAL REQUIREMENTS

(Issued and Effective April 14, 2022)

I. INTRODUCTION

This Order adopts the terms of the October 29, 2021 Joint Proposal and supporting schedules, which establishes three-year electric and gas rate plans for Orange and Rockland Utilities, Inc. (O&R or the Company) during the period commencing on January 1, 2022 through December 31, 2024 (Rate Plans).¹ In addition to O&R, signatories to the Joint Proposal include the New York State Department of Public Service trial staff (DPS Staff), the New York Power Authority (NYPA), New Yorkers for Cool Refrigerant Management (NYCRM), and the New York Geothermal Energy Organization (NY Geothermal) (collectively, the Signatory Parties). Intervenor Public Utility Law Project of New York, Inc. (PULP), Alliance for a Green Economy (AGREE), and Bruce Levine oppose the Joint Proposal.²

For the reasons detailed below, we find that the agreed-upon three-year Rate Plans and the other terms of the Joint Proposal will result in sufficient mitigation of rate impacts on customers, while preserving the Company's operational and financial stability. We further find that the Joint Proposal meets the public interest criteria set forth in Public Service Law (PSL) §65(1) and is consistent with the Commission's Settlement Guidelines insofar as it meets the environmental, social and economic laws and policies of the State and the Commission, including the objectives of the Climate Leadership

¹ The Joint Proposal and supporting schedules are appended to this Order as Attachment A.

² Intervenor the New York Department of State, Consumer Protection Division, Utility Intervention Unit (UIU), Sustainable Warwick, Bob Wyman, and Local Union 503, I.B.E.W. participated as parties in this proceeding, but are not signatories to the Joint Proposal and did not file opposition to it.

and Community Protection Act (CLCPA), and falls within the range of potential outcomes in a fully litigated proceeding. We therefore conclude that the Joint Proposal is in the public interest and will result in O&R's continued provision of safe and reliable electric and gas service at just and reasonable rates.

II. BACKGROUND

O&R, a wholly owned subsidiary of Consolidated Edison, Inc. and an affiliate of Consolidated Edison of New York, Inc., (collectively, Consolidated Edison), serves electric and gas customers in and around Orange, Rockland, and Sullivan Counties.³ O&R has approximately 1,100 employees and its headquarters is located in Spring Valley, New York.

O&R provides electric service to customers located in the New York Independent System Operator's (NYISO) Zone G, known as the Hudson Valley load zone.⁴ O&R also serves natural gas customers within a 615-square mile service area encompassing 66 communities in Orange and Rockland Counties. The Company has 547 miles of electric transmission lines, 45 substation load areas, 1,849 miles of underground electric distribution lines, and 3,994 miles of overhead electric distribution lines.⁵

³ Case 21-E-0113, In the Matter of 2020 Electric Reliability Performance in New York State, 2020 ORU Annual Service Performance Report (filed April 1, 2021), p. 11. O&R also serves additional customers in limited areas in northern New Jersey.

⁴ Hearing Exhibit 80 (O&R Witness Joseph Briscese/Electric Supply), p. 5.

⁵ <https://www.oru.com/en/our-energy-future/how-we-source-our-energy/electricity>; <https://www.oru.com/en/business-partners/hosting-capacity/system-data>

It operates 1,877 miles of gas main and maintains a portfolio of 13 gate stations.⁶ Except for a few small areas, O&R operates two separately integrated gas distribution systems, one in Orange County and the other in Rockland County. Customers in Orange County are served by Millennium Pipeline Company (Millennium) and Columbia Gas Transmission system. Customers in Rockland County are served by Millennium, Tennessee Gas Pipeline, and Algonquin Gas Pipeline Transmission system.⁷

The Company's gas operations are also headquartered in Spring Valley, but there are three additional field locations, which manage emergency response, maintenance, and construction activities.⁸ The Company has a training center in Goshen for operator qualification and various field activities. The Company's gas control center is shared with Consolidated Edison in the Bronx, where both Companies coordinate gas purchases and transportation and share Supervisory Control and Data Acquisition (SCADA) operating resources.

A. O&R's January 29, 2021, Initial Tariff Filing

On January 29, 2021, O&R filed proposed revisions to its electric and gas tariff leaves representing new rate plans to be effective on February 28, 2022. The Company presented a one-year rate plan, but also provided financial information for the two succeeding rate years to allow for the development of a multi-year rate plan. In its initial rate filings, the Company sought a \$24.5 million increase in its electric revenue requirement, representing a 3.3 percent increase in total

⁶ Hearing Exhibit 66 (O&R GIO Panel), pp. 7-8.

⁷ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 10-11.

⁸ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 7-8.

revenues; and a \$9.8 million increase in its gas revenue requirement, representing a 4.0 percent increase in total revenues. O&R also sought a 9.5 percent return on equity for both electric and gas and a 50 percent debt to 50 percent equity ratio.⁹

Electric Service. O&R proposed an electric delivery revenue increase of \$24.5 million, including applicable revenue taxes and low-income customer credits, or a net increase of \$23.9 million, representing an overall increase to delivery revenues of approximately 5.8 percent or an overall increase in total revenues of approximately 3.3 percent.¹⁰ The electric revenue proposal would increase the monthly bill for an average residential customer using 600 kilowatt hours (kWh) by approximately 7.5 percent for delivery charges and would increase the total bill by approximately 4.9 percent.¹¹ The Company claimed that the major rate drivers for its proposal

⁹ O&R January 29, 2021, Filing Letter, p. 4; Hearing Exhibit 26 (O&R Witness Yukari Saegusa - Cost of Capital), pp. 39-40; Hearing Exhibit 1 (O&R Accounting Panel), p. 8.

¹⁰ Hearing Exhibit 100 (O&R Electric Rates Panel), pp. 6-7. The Company indicates in its testimony that in determining the delivery revenue increase, it allocated the revenue increases among customer classes by first excluding \$423,000 in tax revenues (i.e., New York State Gross Receipts and Franchise Tax surcharge revenues, Municipal Tax surcharge revenues and Metropolitan Transportation Authority Business Tax surcharge revenues) and then by excluding \$142,746 in low-income customer credits, for an adjusted net delivery revenue increase of \$23.9 million.

¹¹ The projected customer bill impacts reflect the expiration of the temporary surcharge of \$5.7 million in the Energy Cost Adjustment authorized in O&R's last rate plan established in Cases 18-E-0067 and 18-G-0068, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric and Gas Service (O&R - Rates), Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plans (issued March 14, 2019) (2019 Rate Order).

were related to infrastructure costs associated with return on rate base and depreciation on plant additions, as well as reduced sales and increases to labor expense.

The Company also proposed in its initial filing to perform integrated planning and advanced forecasting; to implement clean energy projects and advanced distribution and energy resource management systems; to adapt its system for increased distributed energy resources; to encourage electric vehicle adoption in its service territory; to support initiatives and programs designed to enhance the customer experience; to undertake storm hardening and strategic undergrounding investments, grid modernization, and distribution automation projects; to expand tree trimming and hazardous tree removal program; and to increase building and transportation electrification measures.¹²

Gas Service. In its initial filing, O&R also proposed a gas delivery revenue increase of approximately \$9.82 million (inclusive of adjustments for gross receipts/revenue taxes and low-income customer credits) and a total revenue requirement of \$11.10 million, representing a 7.19 percent increase in delivery revenues, or an overall 4.0 percent increase in total revenues.¹³ The proposed gas revenue increase would increase the monthly bill for an average residential customer using 100 centum cubic feet (Ccf) monthly by approximately 9.1 percent for delivery charges and increase the total bill by approximately 5.8 percent. The Company claimed that the major rate drivers for its proposal were related to new infrastructure investment,

¹² Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel).

¹³ Hearing Exhibit 1 (O&R Gas Rates Panel), pp. 23-26; Hearing Exhibit 223 (DPS Staff Rates Panel), p. 25.

return on rate base and depreciation on plant additions, and reduced sales revenue.¹⁴

The Company also proposed in its initial filing to implement, among other things, a new Pipeline Safety Management System; to install Advanced Metering Infrastructure (AMI)-enabled Natural Gas Detectors; to replace/upgrade aging infrastructure; to continue removal and/or replacement of leak prone pipes (LPP); and technology investments to improve safety, enhance customer service, and increase operational efficiency.¹⁵ The Company also proposed to shorten depreciation lives of longer-lived gas assets (phased-in during 2023/2024 to mitigate customer impacts during the current economic conditions).

Common Electric and Gas Proposals. For both its electric and gas business operations, the Company proposed to continue investments in customer-facing technology, including implementation of new customer care and billing, information technology solutions, AMI, and Business Cost Optimization efforts forecasted to save in 2022 approximately \$1.3 million for electric and \$0.6 million for gas.

As additional steps to address the economic impact of Covid-19, the Company proposed to shorten the amortization period for excess deferred federal income taxes from 15 years (as established in the 2019 Rate Order) to three years, which would reduce the electric and gas revenue requirements by \$5.7 million and \$2.3 million, respectively.¹⁶ In addition, the

¹⁴ January 27, 2021, Tariff Filing Letter, p. 2; The Company's Tariff Filing Letter indicated that approximately one-third of the proposed revenue increase for gas (or about \$3.0 million) is due to a lower gas sales forecast. Hearing Exhibits 1, (O&R Accounting Panel), pp. 7-9.

¹⁵ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 22-24.

¹⁶ Hearing Exhibit 1 (O&R Accounting Panel), p. 10.

Company proposed to amortize energy efficiency costs over 10 years, storm costs over five years, and pension and other post-employee benefits (OPEB) over the period 2022 to 2024.

B. O&R's March 31, 2021, Updated Filing

On March 31, 2021, and April 1, 2021, O&R updated its filing and included revised and supplemental testimony and/or exhibits for the following panels: Accounting, Compensation and Benefits, Depreciation, Earnings Adjustment Mechanism, Electric Forecasting, Electric Infrastructure and Operations, Environmental Health and Safety, Gas Forecasting, and Gas Infrastructure and Operations. In its updated filing, O&R proposed a further increase to its electric revenue requirement by \$3.4 million, for a total revenue requirement increase of \$27.8 million, and a decrease to its gas revenue requirement by approximately \$8.6 million, for a total revenue requirement increase of \$1.2 million.¹⁷ The Company explained that the main drivers of these changes were due to sales and other operating revenues, Operation and Maintenance (O&M) and depreciation expenses, amortization of deferred costs, income taxes, and carrying charges.¹⁸ With its updated filing, O&R submitted several comparison schedules showing the differences between its January 29, 2021 initial filing and its March 31, 2021 updated filing.¹⁹

The Company reported sales revenue to be approximately \$5.5 million higher for electric and \$13 million higher for gas

¹⁷ Hearing Exhibit 107 (O&R Updated Accounting Panel), pp. 3-4; Hearing Exhibits 108-109 (AP-E2, AP-E3).

¹⁸ Hearing Exhibit 107, pp. 4-7.

¹⁹ Hearing Exhibit 108 (O&R Updated Accounting Panel), pp. 7-8; Hearing Exhibits 109-112 (O&R Updated Accounting Panel Exhibits and Schedules AP-E2, AP-E3, AP-G2, AP-G3, AP-5, AP-7).

than had been stated in its initial filing. Other operating revenues for electric and gas decreased by approximately \$1.6 million and \$0.5 million, respectively, from the revenue amounts reflected in the initial filing. The Company explained that the decrease was mainly due to the Company reducing to \$0 the amount of late payment charges it had forecast, given the uncertainty associated with the Covid-19 pandemic and an inability to accurately project the amount of such charges.²⁰ The Company also asserted in its updated filing that pending State legislation could extend the moratorium on utility terminations and bar the imposition of late fees until July 2022. The Company again proposed symmetric reconciliation and the imposition of a surcharge, as it had in its initial filing.²¹

With respect to O&M expenses, the Company indicated that they were, respectively, \$4.6 million higher for electric and \$1.1 million higher for gas than stated in the initial filing due to additional contractor costs for storm restoration (\$2.8 million for electric) and increases to OPEB (\$1.4 million for electric and \$0.7 million for gas).²²

²⁰ Hearing Exhibit 107, pp. 4-5. The Company proposed to sur-credit customers to reconcile the impact of all late fee payments collected.

²¹ Hearing Exhibit 107 (O&R Updated Accounting Panel), pp. 23-24. In a law passed in May 2021 amending L. 2020, ch. 108 and PSL §§32, 89-b, 89-l, 91, the moratorium was extended to July 1, 2022, for residential and small business (with fewer than 25 employees) customers and prohibits late fees or penalties on arrears incurred during the moratorium. L. 2021, ch. 106 (A.6255-A/S.1453-B). The law expressly allows recovery of deferred lost revenues. The Company sought approval to reconcile waived late payment fees through a surcharge, if the Commission continued such a waiver in the proceeding.

²² Id., p. 5.

The Company further indicated that proposed amortization of deferral costs for electric increased the revenue requirement by \$3.9 million, consisting of storm cost amortizations (\$2.9 million), waived late payment charges (\$1.7 million) and increased OPEB deferrals (\$1.6 million), which were partially offset by reductions in environmental remediation deferrals (\$1.3 million). Proposed amortization of deferral costs increased by \$1.8 million the gas revenue requirement, including increases in environmental remediation deferrals (\$1 million), pension/OPEB deferrals (\$0.8 million), and waived late payment charges (\$0.5 million), which were partially offset by reductions in low-income deferrals (\$0.4 million).²³

The Company's updated depreciation expense forecasts resulted in a \$1.2 million decrease to the electric revenue requirement and a \$0.2 million increase to the gas revenue requirement.²⁴ The Company increased forecasted electric rate base by approximately \$14.0 million more than initially proposed, resulting in a \$1.4 million increase to the carrying cost on rate base additions.

The Company indicated that the primary drivers of the increase to electric rate base result from increases in net regulatory deferrals and non-interest-bearing construction work in progress (CWIP), partially offset by net plant decreases. Similarly, the Company projected gas rate base for the Rate Year to be approximately \$9.0 million higher than reflected in the initial filing, resulting in a \$0.9 million carrying cost increase on gas rate base additions. The Company also indicated that the electric and gas revenue requirements decreased by \$1.4 million and \$0.1 million, respectively. The change in the

²³ Id., pp. 7-22.

²⁴ Id., p. 6.

electric revenue requirement was primarily due to decreases in federal income tax expenses.²⁵ In addition, the Company speculated that the State and Federal corporate income tax rate may increase and, because of the uncertainty of this change, proposed to defer recovery of increased taxes and to impose a surcharge on customers to recover such amounts.²⁶ The Company asserted that pending State legislation may extend the moratorium on utility terminations and bar imposition of late fees until July 2022 and again proposed symmetric reconciliation and the imposition of a surcharge.²⁷

C. 2019 Rate Order

In a March 14, 2019, Order, the Commission adopted the terms of a Joint Proposal and established three-year electric and gas rate plans for O&R (2019 Rate Order).²⁸ The Commission's 2019 Rate Order increased the Company's electric revenue requirement for each of the three rate years by \$8.61 million, \$12.06 million, and \$12.17 million, respectively. For gas, the

²⁵ Id., pp. 6-7.

²⁶ Hearing Exhibit 107 (O&R Updated Accounting Panel), pp. 22-23. In addition, the Company sought approval to reconcile waived late payment fees through a surcharge, if the Commission continued such a waiver in the proceeding.

²⁷ Id., pp. 23-24. In a law passed in May 2021 that amended L. 2020, ch. 108 and PSL §§32, 89-b, 89-l, 91, the moratorium was extended to July 1, 2022, for residential customers and small business customers (with fewer than 25 employees) and prohibits late fees or penalties on arrears incurred during the moratorium. L. 2021, ch. 106 (A.6255-A/S.1453-B). The law expressly allows recovery of lost or deferred revenues or after December 31, 2021.

²⁸ Cases 18-E-0067 and 18-G-0068, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric and Gas Service, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plans (issued March 14, 2019) (O&R - Rates).

2019 Rate Order decreased by \$5.92 million the gas revenue requirement in Rate Year 1 but increased it by \$0.99 million in each of the two succeeding rate years.

The Commission's 2019 Rate Order adopted or continued additional requirements, including customer service performance metrics; low-income customer discounts, affordability programs, and continuation of the Empower-NY services program; performance mechanisms for electric reliability and gas safety (i.e., leak management, leak prone pipe removal, emergency response, damage prevention, and regulatory non-compliance); energy efficiency programs, budgets and targets; gas research/development and demand/response programs; carbon reduction programs focused on electric vehicles and heat pumps; replacement and modernization of aging infrastructure; expansion of AMI; an earnings adjustment mechanism for system efficiency, energy efficiency and other metrics; earnings sharing tiers directed toward site investigation and remediation costs; storm reserve cost modifications; a revenue decoupling mechanism; and financial incentives to pursue non-wires alternatives.

The 2019 Rate Order approved a 9.0 percent return on equity and included financial protection provisions and reporting requirements. It also provided for a 15-year amortization of unprotected excess deferred federal income tax balances and pass-back to customers associated with the lower Federal tax rate under the Tax Cut and Jobs Act of 2017 (2017 Tax Act).²⁹ The 2019 Rate Order also adopted the Joint Proposal's agreement that O&R would provide in its next rate case an alternative embedded cost of service (ECOS) study to be used as a reference for parties regarding how gas costs may be

²⁹ Cases 18-E-0067 and 18-G-0068, O&R - Rates, 2019 Rate Order, pp. 32-33.

allocated where transmission and distribution components are classified as 100 percent demand-related.³⁰

D. Generic Gas Planning Proceeding

In March 2020, the Commission commenced a generic gas planning proceeding, which seeks to ensure, among other things, that gas utilities implement improved planning and operational practices to meet customer needs, to minimize infrastructure investments that may have long-term greenhouse gas emissions and ratepayer implications, and to conduct such practices consistent with the CLCPA (Gas Planning Proceeding).³¹ O&R and all other New York gas utilities are parties to the Gas Planning Proceeding and were provided an opportunity to be heard on the issues identified by the Commission.

In initiating the Gas Planning Proceeding, the Commission found that continuing the existing planning and investment in gas infrastructure will have significant, long-term implications for, among other things, potential moratoria and greenhouse gas emissions, and that "[t]he current approach to gas system planning poses risks of incomplete alignment with [the] CLCPA, sub-optimal consideration of alternatives and timeframes, increased risk and cost to consumers, and unsatisfactory provision of service and solutions for those same

³⁰ Cases 18-E-0067 and 18-G-0068, O&R - Rates, 2019 Rate Order, pp. 79-80.

³¹ See Case 20-G-0131, Proceeding on Motion of the Commission in Regard to Gas Planning Procedures, Order Instituting Proceeding (issued March 19, 2020), pp. 4-10 (Gas Planning Proceeding).

consumers.”³² The Commission’s stated objective is to align gas planning procedures with the CLCPA and to recognize viable alternatives to gas infrastructure, taking into account their useful life and resulting costs and risks.

The Commission ordered the gas utilities in the Gas Planning Proceeding to file reports and proposals to modernize the gas planning process; to address peaking services and moratorium management; to analyze supply and demand; and to identify the extent to which they currently use or anticipate using demand reducing measures including energy efficiency, demand response, deployment of non-pipe alternatives, and other measures to address identified areas of supply/demand imbalance or to aid in the management of moratoria, including targeted implementation of existing and new energy efficiency and electrification programs and targets.³³

On February 12, 2021, DPS assigned staff submitted separate proposals in the Gas Planning Proceeding that addressed modernization of the gas planning process and management of gas service moratoria.³⁴ On May 3, 2021, and June 4, 2021, O&R and its affiliate, Consolidated Edison, along with several other

³² Case 20-G-0131, Gas Planning Proceeding, pp. 6-7. As part of the Gas Planning Proceeding, the Commission also sought greater transparency surrounding the practice of procuring gas supply from affiliates and incentives that are not aligned with the State’s policies.

³³ Case 20-G-0131, Gas Planning Proceeding, pp. 12-14.

³⁴ Id.; Staff Gas System Planning Process Proposal, p. 33 (filed February 12, 2021) (recommending that the Commission direct local distribution companies to begin filing long term plans every three years, which reflect the State’s greenhouse gas emissions reductions goals and incorporates stakeholder input); Staff Moratorium Management Proposal, p. 16 (filed February 12, 2021) (recommending that the Commission direct implementation of moratorium management measures that ensure sufficient notice of a moratorium and follow certain protocols during same).

local distribution companies, submitted joint comments to the Commission responding to the DPS proposals and addressing, among other things, the scope of the proceeding, the gas planning process, demand forecasts, resource alternatives, a benefit-cost analysis framework, depreciation, affiliate transactions, and the CLCPA.

The Commission has not issued a final order defining the measures necessary to address the identified issues associated with future gas planning and Commission action in the Gas Planning Proceeding remains pending.

E. CLCPA and Climate Action Council Proceedings

On July 18, 2019, the CLCPA was signed into law.³⁵ It “is among the most ambitious climate laws in the world and requires New York to reduce economy-wide greenhouse gas emissions 40 percent by 2030 and no less than 85 percent by 2050 from 1990 levels.”³⁶ The law creates the Climate Action Council, which is charged with developing a scoping plan that contains recommendations to meet the emission reduction targets and place New York on a path toward carbon neutrality.³⁷

³⁵ L. 2019, ch. 106.

³⁶ <https://climate.ny.gov/Our-Climate-Act/Draft-Scoping-Plan>.

³⁷ ECL §75-0103. The Climate Action Council is a 22-member committee led by New York State Department of Environmental Conservation Commissioner and New York Energy Research and Development Authority President to draft the Scoping Plan and related documents. Other members of the Council include the heads of State Agencies and Authorities and several Appointees. See <https://climate.ny.gov/Climate-Action-Council>.

On December 30, 2022, the Climate Action Council issued its Draft Scoping Plan for public comment.³⁸ The Draft Scoping Plan identified climate change as a significant present and future threat and provided data and analysis for an integrated approach to address each sector responsible for carbon emissions, including transportation, buildings, electricity, industry, agriculture and forest, and waste. The Draft Scoping Plan notes that the greatest sources of the State's emissions are from the buildings and transportation sectors due to fossil fuel combustion. It identifies buildings that combust natural gas and other fuels as responsible for nearly one-third (32 percent) of all greenhouse gas emissions statewide in 2019.³⁹

III. PROCEDURAL BACKGROUND

Following O&R's January 29, 2021, initial rate filings, the Secretary issued a Notice of Procedural and Technical Conference on February 12, 2021. On February 25, 2021, the assigned Administrative Law Judges (ALJs) oversaw the virtual Procedural and Technical Conference, at which time the Company presented information regarding its rate filing, including electric and gas revenue requirements, customer bill impacts, and prioritization of storm hardening and resiliency, customer service technology, infrastructure investments, safety

³⁸ New York State Climate Action Council "Draft Scoping Plan" (December 2021), available at <https://climate.ny.gov/Our-Climate-Act/Draft-Scoping-Plan>. The Climate Action Council notes that public comments on the Draft Scoping Plan will be accepted for 120-days or until July 1, 2022.

³⁹ Draft Scoping Plan, p. 118. The Plan notes that industrial emissions from methane leaks and combustion of oil and gas make up about nine percent of emissions and the transportation sector makes up approximately 28 percent. Draft Scoping Plan, pp. 94, 179.

measures, and several clean energy and energy efficiency programs.⁴⁰

On February 16, 2021, the ALJs issued a ruling adopting a protective order and certain parties thereafter filed acknowledgements agreeing to be bound by the order's terms. On February 25, 2021, the Secretary issued a notice extending the suspension period through June 26, 2021.⁴¹ On March 3, 2021, the ALJs issued a ruling establishing the procedural schedule for the proceedings, which set dates for O&R's submission of updates to its proposal and testimony, the filing of DPS Staff and Intervenor testimony, the filing of rebuttal testimony, and the commencement of an evidentiary hearing.⁴² On March 31, 2021, the Secretary issued a notice of public statement hearings scheduled for April 28, 2021, at which time public comments on O&R's rate proposal would be taken.⁴³

On March 31, 2021, and April 1, 2021, O&R filed updated testimony and exhibits. Virtual public statement hearings were held on April 28, 2021. After DPS Staff sought an extension to the deadline for filing testimony, which was supported by PULP and UIU, on May 3, 2021, the ALJs issued a ruling revising the procedural schedule.⁴⁴ On May 13, 2021, the Secretary issued a notice further extending the suspension

⁴⁰ The ALJs directed the Company to file the presentation made at the Conference. See DMM Item No. 8.

⁴¹ Notice of Suspension of Effective Date of Major Rate Changes and Initiation of Proceedings (issued February 25, 2021).

⁴² Ruling Adopting Protective Order (issued February 16, 2021); Ruling Establishing Procedural Schedule (issued March 3, 2021).

⁴³ Notice of Public Statement Hearings (issued March 31, 2021).

⁴⁴ Ruling Revising Procedural Schedule (issued May 3, 2021).

period through December 26, 2021, subject to the Company being made-whole.⁴⁵

Pursuant to the ALJ's revised procedural ruling, on May 27, 2021, PULP filed testimony and exhibits; on May 28, 2021, DPS Staff, UIU, Bruce Levine, NYPA, and NYCRM filed testimony and exhibits; and on June 1, 2021, DPS Staff filed additional testimony and exhibits.

On June 11, 2021, O&R filed a Notice of Impending Settlement Negotiations (Settlement Notice) and invited the parties to participate in the first settlement meeting to be held virtually on June 25, 2021. Settlement negotiations continued from June 25, 2021, until October 26, 2021, and were held in compliance with the notice requirements of 16 NYCRR §3.9. With the Settlement Notice, O&R requested a postponement of the June 28, 2021 evidentiary hearing date and consented to a 30-day extension of the suspension period through December 26, 2021, subject to a "make-whole" provision that would keep the Company in the same position in the absence of the extension.⁴⁶ In a June 15, 2021 ruling, the ALJs granted O&R's postponement

⁴⁵ Notice of Further Suspension of the Effective Date of Major Rate Changes (issued May 13, 2021).

⁴⁶ The Company defined the parameters of the make-whole provision in its June 11, 2021, letter as follows: Recovering or refunding any revenue under-collections or over-collections, respectively, including interest, that resulted from the extended suspension period. The Company would calculate any revenue adjustments as the difference between (i) sales revenues it would have billed at the new proposed rates during the extension of the suspension period, and (ii) the same level of sales revenues at current rates. The revenue adjustments would include all applicable surcharges and would be subject to reconciliation in accordance with all applicable adjustment mechanisms (including revenue decoupling mechanisms, where applicable). The amortization of net deferrals reflected in the Commission's final order will commence effective January 2022, on an earnings neutral basis.

request and revised the procedural schedule, establishing a July 26, 2021 date for the evidentiary hearing.⁴⁷

On June 18, 2021, O&R filed rebuttal testimony and exhibits addressing issues associated with accounting, return on equity, cost of capital, credit rating, customer service, earnings adjustment mechanisms, depreciation, environmental health and safety, compensation and benefits, property taxes, information technology, gas and electric forecasting, gas and electric infrastructure and operations, gas and electric rates, demand analysis, and cost of service.

In separate letters dated July 14, 2021, O&R consented to further extend the suspension period until March 26, 2022, and requested postponement of the evidentiary hearing for 60 days in favor of settlement negotiations. In a July 16, 2021, ruling, the ALJs adjourned the hearing until September 20, 2021.⁴⁸

On September 10, 2021, O&R again requested postponement of the evidentiary hearing so that settlement negotiations could continue and, at the same time, agreed to extend the suspension period through May 25, 2022, subject to the make-whole provision. In a September 20, 2021, ruling, the ALJs again postponed the evidentiary hearing date until December 8, 2021.⁴⁹

On October 29, 2021, DPS Staff filed a Joint Proposal and 21 Appendices on behalf of the Signatory Parties, including DPS Staff, NYPA, NYCRM, and NY Geothermal. On November 9, 2021, the Secretary issued a Notice of Evidentiary Hearing scheduled for December 8, 2021. On November 19, 2021, and

⁴⁷ Ruling Revising Procedural Schedule (issued June 15, 2021).

⁴⁸ Ruling Revising Procedural Schedule (issued July 16, 2021).

⁴⁹ Ruling Revising Procedural Schedule (issued September 20, 2021).

November 22, 2021, O&R, DPS Staff, NYPA, NYCRM, and NY Geothermal filed Statements in Support of the Joint Proposal.⁵⁰ PULP, AGREE, and Bruce Levine filed Statements in Opposition. On November 22, 2021, the Commission issued an order approving extension of the maximum suspension period through and including May 25, 2022.

On December 2, 2021, O&R filed affidavits of publication of the Joint Proposal in the Times Herald Record and the Journal News, in which the Joint Proposal's terms were summarized, including customer bill impacts in O&R's service territory. On December 3, 2021, O&R filed minor corrections to the Joint Proposal.⁵¹ On December 3, 2021, O&R and DPS Staff filed Reply Statements in Support of the Joint Proposal and PULP and AGREE filed Reply Statements in Opposition.

The ALJs held an evidentiary hearing on December 8, 2021, at which the Joint Proposal along with supporting testimony, exhibits and additional evidence was

⁵⁰ O&R and DPS Staff thereafter filed affidavits adopting the factual representations made in their respective Statements in Support of the Joint Proposal. O&R's affidavit also affirmed completion of the recommendations contained in the Commission's last Management and Operations Audit. Hearing Exhibit 324 (O&R Affidavit of Cheryl M. Ruggiero), p. 1 (citing Case 14-M-0001, "Comprehensive Management and Operations Audits of Consolidated Edison Company of New York, Inc. and Orange and Rockland Utilities, Inc.").

⁵¹ One of the Joint Proposal's minor corrections was typographical in nature and involved revisions to the estimated amounts of the Company's potential electric and gas costs due to tax law changes, equating to ten basis points of the return on common equity or more (Joint Proposal, p. 42, n. 20). The second correction involved deletion of language for the reconciliation of uncollectible expenses for electric and gas due to Covid-19, resulting in the Joint Proposal no longer providing accrued interest on such expenses at the Other Customer Provided Capital Rate (Joint Proposal, Appendix 9, p. 12).

admitted into the record. At that time, PULP and Bruce Levine conducted cross examination of certain Company and DPS Staff witness panels.

IV. PUBLIC NOTICE AND COMMENTS

Pursuant to the State Administrative Procedure Act (SAPA) §202(1), notices of these proceedings were published in the State Register on May 12, 2021 (SAPA Nos. 21-E-0074SP1 and 21-G-0073SP1). Two public statement hearings were held on April 28, 2021. Approximately 53 members of the public attended the hearings, and three public comments were made regarding the rate filings.

Of the three commenters, a representative of State Senator Elijah Reichlin-Melnick (District 38) expressed objections to increasing delivery rates in O&R's service territory because doing so would impose economic hardship on customers, and also indicated that the CLCPA requires the Commission to transition away from natural gas and assure no impacts on environmental justice communities. A representative of PULP noted that O&R's rates should not be increased, reciting the high percentage of customers in arrears on their utility bills during the Covid-19 pandemic through February 2021 and the high unemployment rates in Orange (6.7 percent), Rockland (6.3 percent) and Sullivan (7.2 percent) Counties. PULP asserted the need for an arrears resolution plan and for language access services to be provided in the Company's service territory as part of the rate cases. PULP also criticized the Company's requested 9.5 percent return on investment. The third commenter was an individual ratepayer who expressed similar concerns about a lack of affordability if rates were increased.

Nine additional public comments were filed electronically in the Department's Document and Matter

Management (DMM) system. One was submitted by the Chair of the Environmental Committee of the Rockland County Legislature, who discussed continued customer hardships due to Covid-19 and expressed concern that many residents of Rockland and Orange Counties lack the financial means to pay for a rate increase or to pay for other basic needs, such as food, and that many are in arrears on their utility bills. Other commenters also opposed any rate increases, asserting that the proposed rate increases are excessive, and that O&R could take business measures to increase productivity and lower operating costs without increasing rates. Senator James Skoufis submitted a March 4, 2022 letter urging the Commission to suspend consideration of any rate increases until the Covid-19 pandemic is over and to investigate price surges in O&R's service area, which had resulted in numerous complaints received from his constituents. Senator Skoufis criticized the Joint Proposal's 9.2 percent return on equity in comparison to other Commission-approved rate cases.

V. STATUTORY AND REGULATORY FRAMEWORK

Pursuant to PSL §65(1), in establishing electric and gas rate plans, the Commission must find that the proposed rates assure continuation of safe and adequate service at just and reasonable rates and produce a result that is in the public interest. In the context of a negotiated Joint Proposal, the Commission will adopt its terms upon a finding that, when viewed as a whole, it meets the public interest standard in PSL §65(1). Applying the Commission's Settlement Guidelines, the Joint Proposal must meet the public interest standard after the Commission's consideration of the following factors:

Whether the Joint Proposal balances the protection of consumers with fairness to investors and the long-term viability of the utility;

Whether it is consistent with the environmental, social, and economic policies of the Commission and the State;

Whether it falls within the range of reasonable likely outcomes that would have resulted in a fully litigated proceeding; and

Whether the record provides a rational basis for the Commission's adoption of it.⁵²

These factors and considerations in the context of a negotiated settlement "are themselves elements of the public interest standard."⁵³

Upon the application for a major change in rates, PSL §66(19)(c) requires the Commission to review the electric and gas corporation's "compliance with the directions and recommendations made previously by the Commission, as a result of the most recently completed management and operations audit."

VI. THE JOINT PROPOSAL'S TERMS

As discussed in further detail below, the October 29, 2021 Joint Proposal establishes electric and gas Rate Plans for the period commencing on January 1, 2022 through December 31, 2024, and addresses proposed rates, rate design and revenue allocation, reconciliations, programmatic initiatives, revenue decoupling, performance metrics, customer service measures, low-income customer assistance, operational, accounting, and other relevant matters to assure O&R's continued provision of safe and reliable electric and gas service at just and reasonable rates.

⁵² Cases 90-M-0255 and 92-M-0138, Proceeding on Motion of the Commission Concerning its Procedures for Settlements and Stipulation Agreements, Opinion 92-2, Opinion, Order and Resolution Adopting Settlement Procedures and Guidelines (issued March 24, 1992) (Settlement Guidelines).

⁵³ Id., Settlement Guidelines, p. 30.

The Joint Proposal contains several rate mitigation measures designed to limit customer bill impacts. The Joint Proposal also requires O&R to undertake environmental sustainability efforts that it states are designed "to assist in achieving the goals of the CLCPA,"⁵⁴ including reduction of the "carbon intensity" of the gas transmission and distribution system by retirement of leak prone pipe (LPP) every year from 2022 to 2029, considering non-pipeline alternatives (NPAs) for LPP replacement, enhancing customer awareness of low-carbon heating alternatives, providing customer incentives, and installing natural gas detection units for customers. These provisions are detailed below.

A. Term

The Joint Proposal establishes three-year electric and gas rate plans effective January 1, 2022, through December 31, 2024.⁵⁵ This three-year term is consistent with most recent negotiated rate cases that have resulted in a Joint Proposal and provides certainty to the Company, its customers, and the parties, by establishing expectations, allowing long-term planning, and preserving resources that may otherwise be devoted to litigation.

B. Rates and Revenue Levels

The Joint Proposal sets electric and gas sales and delivery revenue forecasts on which the revenue requirements for each Rate Year were established.⁵⁶ Based upon the Company's

⁵⁴ Joint Proposal, p. 6; Appendix 20.

⁵⁵ Joint Proposal, p. 5. Rate Year 1 means the 12-month period starting January 1, 2022, and ending December 31, 2022; Rate Year 2 means the 12-month period starting January 1, 2023, and ending December 31, 2023; and Rate Year 3 means the 12-month period starting January 1, 2024, and ending December 31, 2024.

⁵⁶ Joint Proposal, pp. 5-6; Appendices 4 and 5.

initial electric and gas forecasts, when compared with DPS Staff's testimony, the Joint Proposal's forecasts are within the range of reasonable outcomes in a litigated case.⁵⁷

Percentage Revenue Requirement Increases Based on Total Revenue (Including All Delivery and Commodity Revenues)			
	Rate Year 1	Rate Year 2	Rate Year 3
Electric	2.0%	2.0%	1.9%
Gas	1.9%	1.9%	1.8%

1. Common

a. Rate Drivers

The main drivers for the electric rate increases are lower sales and revenue forecast, the need for investments in the system to maintain safe and reliable service, and the need to adapt the system to increased distributed energy resources consistent with New York's energy plans and policies, including electric vehicle adoption. Additional drivers include the Company's storm hardening and strategic undergrounding investments, grid modernization and distribution automation projects, and expanded tree trimming and hazardous tree removal program that will help meet increased expectations regarding system reliability, resiliency, and expeditious storm restoration.

The main drivers for the gas rate increases also include costs associated with the Company's Pipeline Safety

⁵⁷ Hearing Exhibit 55 (O&R Electric Forecasting Panel), p. 13; Hearing Exhibit 56 (O&R EFP-1), Schedule 3; DPS Staff's Statement in Support, p. 15; Hearing Exhibit 223 (DPS Staff Rate Panel - SRP-2), Schedule 1; Hearing Exhibit 57 (O&R Gas Forecasting Panel), p. 13; Hearing Exhibit 235 (DPS Staff Yezzi), p. 7.

Management System, AMI-enabled natural gas detectors, leak prone pipe removal/replacement, and the shortening of the depreciation period associated with certain gas assets all contribute to gas rate increases.

b. Rate Mitigation

The rate increases provided in the Joint Proposal are intended to be mitigated through several provisions, which are outlined below. Wage increases are eliminated for senior management (specifically, Band 4 managers and executives) for the twenty-seven month period from October 1, 2020 through December 31, 2022.⁵⁸ This will result in total rate mitigation of approximately \$510,000. To further mitigate rates, the Company will pass on to customers the benefits realized from Covid-19 relief-related payroll tax credits under the federal Employee Retention Tax Credit of \$975,000, which will be spread over all three years of the Rate Plans. This tax credit is for the benefit of customers, rather than for shareholders to retain, as the Company proposed, and is consistent with DPS Staff's litigated position.⁵⁹

In addition, the electric and gas revenue requirements in the Joint Proposal contain productivity and efficiency-related adjustments, including a one percent productivity adjustment to the cost of direct labor, pension, post-employment benefits, employee welfare expenses, and payroll taxes.⁶⁰ The Joint Proposal's productivity adjustment is consistent with the position DPS Staff advanced in its testimony and with the Commission's practice to use the productivity imputation to

⁵⁸ Joint Proposal, pp. 5-6. Non-senior management employees will receive a wage increase of approximately 3 percent during this same period.

⁵⁹ Hearing Exhibit 127 (DPS Staff Accounting Panel), pp. 83-87.

⁶⁰ Joint Proposal, pp. 5-6.

capture efficiency savings that cannot be identified and assure that ratepayers receive the benefit of potential future savings.⁶¹ In addition, the Joint Proposal imputes an additional productivity adjustment of \$2.9 million over the three-year term of the Rate Plans. The Joint Proposal indicates that the combined productivity and additional adjustments are equivalent to almost a two percent productivity adjustment for Rate Year 1.⁶²

Under the Joint Proposal, the Company also has imputed \$19.6 million of forecasted savings for targeted efficiencies over the term of the Rate Plans, with no reconciliation if the targeted savings are not achieved.⁶³

Finally, the Joint Proposal accelerates the pass-back to customers of unprotected excess deferred federal income taxes balances related to the Tax Cuts and Jobs Act of 2017 by shortening the amortization of the remaining balances from 12 years to six years. This will further reduce the Company's cost of service by \$7.4 million for the benefit of customers over the three-year term of the Rate Plans.⁶⁴ Although the Company initially proposed shortening the amortization to three years, DPS Staff expressed rate stability concerns in subsequent rate years.⁶⁵ Those concerns are addressed by the Joint Proposal's six-year amortization period, which strikes a reasonable balance between rate mitigation and rate stability.

We find that these provisions of the Joint Proposal will reasonably mitigate overall rate impacts over the three-

⁶¹ Hearing Exhibit 127 (DPS Staff Accounting Panel), pp. 21-25.

⁶² Joint Proposal, p. 6.

⁶³ Id.

⁶⁴ Id.

⁶⁵ Hearing Exhibit 1 (O&R Accounting Panel), p. 10; Hearing Exhibit 127 (DPS Staff Accounting Panel), pp. 59-62.

year Rate Plans and provide rate stability, while assuring the Company's continued ability to provide safe and adequate service.

c. Sales Forecasts

i. Electric Revenue Forecasts

The Joint Proposal reflects electric revenues, inclusive of the levelized increases of \$477.39 million in Rate Year 1, \$487.83 million in Rate Year 2, and \$494.56 million in Rate Year 3 based on a total annual megawatt-hour (MWh) delivery volume of approximately 3.9 million MWh.⁶⁶ The electric forecasts are based on a 10-year average weather normalization through December 2020.

The Joint Proposal increases the Company's electric delivery rates and charges, resulting in annual revenue increases of \$4.94 million in Rate Year 1, \$16.16 million in Rate Year 2, and \$23.13 million in Rate Year 3.⁶⁷ The Joint Proposal recommends the levelization of these increases to provide rate stability so that revenues increase each year by \$11.68 million.⁶⁸ It provides that, due to levelization, the Company's base rate revenues at the end of Rate Year 3 will be lower than they otherwise would be absent levelization. To address the shortfall, the Joint Proposal recommends that \$20.91 million of the Rate Year 3 increase be included in base rates and \$9.20 million of the increase be refunded in a temporary credit through the Energy Cost Adjustment (ECA) mechanism.⁶⁹

The revenue requirements set forth in the Joint

⁶⁶ Joint Proposal, p. 6, Appendix 4, pp. 1-4. O&R's estimate of delivery volume was 3.7 million MWh.

⁶⁷ Joint Proposal, pp. 7-8; Appendix 1 (showing electric revenue requirement calculations); Appendix 4, p. 1.

⁶⁸ Joint Proposal, p. 7; Appendix 1, p. 12.

⁶⁹ Joint Proposal, p. 8.

Proposal are net of the amortizations of various deferred customer credits and charges currently on the Company's books of account that were previously deferred by the Company, as well as projections of deferred amounts.⁷⁰ The levelized revenue changes to each service class, monthly bill comparisons, and "Rates in Brief" are set forth in Appendix 17 to the Joint Proposal, with bill impacts shown below for residential customers using 600 kWh per month.⁷¹

Electric Customers	Rate Year 1 Increase	Rate Year 2 Increase	Rate Year 3 Increase
Summer (June – Sept.)	\$2.11/1.5%	\$3.84/2.8%	\$4.73/3.4%
Winter (Other months)	\$1.65/1.3%	\$3.49/2.7%	\$3.87/3.0%

ii. Gas Revenue Forecasts

The Joint Proposal reflects gas revenues of \$246.2 million in Rate Year 1, \$261.7 million in Rate Year 2, and \$265.8 million in Rate Year 3, based on deliveries of between 25.1 million and 25.3 million Mcf.⁷² The gas revenues include delivery and commodity revenues as well as gross revenue taxes.⁷³ The gas sales forecasts are based on a 10-year average weather

⁷⁰ Joint Proposal, p. 8. The list of deferred customer credits and charges to be applied during the Electric Rate Plan is attached to the Joint Proposal as Appendix 3.

⁷¹ Joint Proposal pp. 7-8, n. 5; Appendix 17. The proposed revenue changes for each Rate Year will be effective on the first day of each Rate Year. For Rate Year 1, the Company will recover revenue shortfalls resulting from the extension of the suspension period through its proposed "make-whole" provision and differences will be recovered with interest, over the remaining months of 2022, as detailed in Appendix 17, ¶¶ 6 and 7, and Appendix 18, ¶¶ 6 and 7. O&R bills electric residential customers with different rates during the summer months versus the winter months.

⁷² Joint Proposal, Appendix 5.

⁷³ Joint Proposal, Appendix 5.

normalization through December 2020.

The Joint Proposal increases the Company's retail gas sales rates and transportation service rates for firm gas customers, which are designed to increase annual revenue by \$0.66 million in Rate Year 1, \$7.4 million in Rate Year 2, and \$9.87 million in Rate Year 3.⁷⁴ As levelized, these annual revenue changes would be \$4.42 million for each Rate Year and are outlined in Appendix 18 of the Joint Proposal. The Joint Proposal notes that the parties recognize that levelizing the revenue increases over the three-year term of the Rate Plans will result in lower revenues for the Company at the end of Rate Year 3. To address the shortfall, the Joint Proposal includes \$9.1 million in base rates in Rate Year 3 with a \$4.7 million "temporary credit" through the Monthly Gas Adjustment (MGA).⁷⁵ The Joint Proposal sets forth levelized revenue changes to each service class, monthly bill comparisons, and "Rates in Brief," with bill impacts shown below for a residential heating customer using 110 Ccf of natural gas per month.⁷⁶

Gas Customers	Rate Year 1 Increase	Rate Year 2 Increase	Rate Year 3 Increase
	\$5.38/3.2%	\$3.07/1.8%	\$3.99/2.3%

d. Annual Team Incentive Plan (ATIP)

The Company's ATIP program is a management incentive

⁷⁴ Joint Proposal, p. 10, n. 7.

⁷⁵ Joint Proposal, pp. 10-11. In the absence of levelization, rates would have increased by \$17.93 million. Instead, rates will increase by only \$13.26 million, resulting in a \$4.66 million shortfall. To address this shortfall, Rate Year 3 base rates will be \$9.1 million rather than the \$4.42 levelized amount, and a \$4.7 million refund provided through the MGA.

⁷⁶ Joint Proposal, Appendix 18.

program that consists of individual and team goals related to safety, reliability, customer service performance indicators, environmental excellence, public safety, and effective cost management. DPS Staff found that the Company's ATIP program focused too heavily on financial rather than customer goals and incorrectly classified the Company's Operating Budget, comprising 25 percent of the total ATIP expense, as "customer service-related," when it does not actually serve customer interests.⁷⁷ DPS Staff testified that the Operating Budget goals should be classified as financial goals, and that the ATIP program should not be so heavily focused on financial goals rather than customer-related goals of safety, reliability, customer service, and environmental protection.

As DPS Staff explained in its testimony, the Commission has established a test to justify a utility's recovery of incentive pay in rates. A utility must either demonstrate that (1) its total compensation package, inclusive of incentive pay, is reasonable relative to its similarly situated peers, with no potential to adversely affect customer interests; or that (2) its incentive compensation program is designed to return quantifiable or demonstrable benefits to ratepayers in a financial sense or in terms of reliability, environmental impact, or customer service; and (3) performance targets included in incentive pay programs must align with customer interests and not be inconsistent with Commission

⁷⁷ Hearing Exhibit 189 (DPS Staff Witness Daniel Gadomski), pp. 13-15, 20.

policies.⁷⁸ The Commission's criteria is based on its finding that a utility must show that the cost to ratepayers to fund incentive compensation is at least matched by the value of the benefits customers receive. DPS Staff testified that O&R had not met the Commission's test for including the ATIP program expenses in rates.⁷⁹

In its Statement in Support (pp. 28-29), DPS Staff justifies the partially reduced recovery of ATIP expenses in Rate Year 1, while expressing its expectation that the Company will propose modifications to the ATIP by December 2022.

The Joint Proposal provides for the Company to recover most but not all of its ATIP program costs in electric and gas rates during Rate Year 1.⁸⁰ The Joint Proposal also requires the Company to confer with DPS Staff to review the program and determine how it can "fully support the customer interest, consistent with Commission policies for safety reliability, environmental protection and customer service." Based on the Company's review and consultation with DPS Staff, the Joint Proposal requires the Company to modify the ATIP program "as appropriate" for Rate Years 2 and 3 and those modifications must

⁷⁸ Hearing Exhibits 189 and 192 (DPS Staff Witness Daniel Gadowski and Exhibit DSG-2), pp. 4-7 (citing Case 10-E-0362, O&R - Rates, Order Establishing Rates for Electric Service (issued June 17, 2011), pp. 37-38 (2011 Rate Order); Order Denying Petitions for Rehearing and/or Clarification (issued November 21, 2011)).

⁷⁹ Hearing Exhibit 189 (DPS Staff Witness Daniel Gadowski), p. 15. The Company's study by AON showed that the non-officer management total compensation and benefits in the ATIP program was 2.1 percent above the peer group market median. Id., p. 8

⁸⁰ Joint Proposal, p. 7. As DPS Staff's Statement in Support explains (p. 18), this adjustment to the ATIP expense is characterized in the Joint Proposal as a "Covid-19 related labor adjustment."

be filed with the Secretary on or before December 31, 2022.

e. O&M Revenue Requirement: Institutional
Dues/Subscriptions

The Joint Proposal attaches two separate appendices setting forth the agreed-upon revenue requirements, including costs to be included in rates that are associated with O&R's electric and gas O&M expenses.⁸¹ The O&M electric and gas revenue requirements include line items reflecting expenses for "Institutional Dues and Subscriptions" for each of the three Rate Years.⁸²

O&R's initial testimony indicates that the "Institutional Dues and Subscriptions" line items for both electric and gas include "membership fees paid to the Edison Electric Institute (EEI), American Gas Association (AGA), and other association dues and membership fees."⁸³ O&R does not identify the other association dues and membership fees under this line item. The Company further indicates that it escalates

⁸¹ Joint Proposal, Appendix 1, p. 5; Appendix 2, p. 5. The electric organizational fees are \$31,000 in Rate Year 1, \$32,000 in Rate Year 2, and \$33,000 in Rate Year 3. The gas organizational fees are \$7,000 in Rate Years 1 and 2, respectively, and \$8,000 in Rate Year 3.

⁸² Id., Line Item 16; Hearing Exhibit (O&R Accounting Panel, AP-E3, Schedule 6).

⁸³ Hearing Exhibit 1 (January 29, 2021, O&R Accounting Panel), p. 50. According to its website, EEI is a trade association representing U.S. investor-owned electric companies in all 50 states that "provides public policy leadership" to make "a positive contribution" to "the long-term success of the electric power industry." See EEI, Our Mission, available at <https://www.eei.org/about/Pages/about.aspx>. Similarly, AGA is a trade association that represents more than 200 natural gas supply companies in the United States. See AGA, Our Mission, available at <https://www.aga.org/about/mission>. Both EEI and AGA have multi-million-dollar budgets and are registered lobbyists before the U.S. House of Representatives and the U.S. Senate.

the Historic Year expense for these Institutional Dues and Subscriptions by "the general escalation factor" in order to arrive at the Rate Year amount. The referenced general escalation factor is similarly not identified.

DPS Staff's testimony cited O&R's responses to an Information Request (DPS-6-280), which estimated the portion of O&R's EEI and AGA membership fees that were devoted to lobbying activities, and recommended that the Commission authorize the Company to collect in rates the portion of the organizational dues that are unrelated to EEI's and AGA's lobbying activities.⁸⁴

After DPS Staff's testimony was filed, PSL §114-a was amended, effective August 2, 2021, and provides that in setting rates the Commission "shall not include the cost of membership dues for any organization, association, institution, corporation or any other entity that engages in legislative lobbying as part of any such utility's operational costs." This amendment broadens the previous reach of PSL §114-a and prohibits the Commission from authorizing rates that include membership fees or dues associated with any organization engaged in lobbying efforts, regardless of whether such fees or dues are separate from "below the line" lobbying costs versus "above the line" costs for non-lobbying activities.

In light of the new law, on January 10, 2022, the ALJs sought further information from the Company with respect to the fees included in the Joint Proposal's revenue requirement for O&M. In response to the ALJs' inquiry, O&R provided its response to a DPS Staff discovery request⁸⁵ and indicated that it had removed from the revenue requirement the membership dues for EEI (\$154,815) and AGA (\$149,721) as a result of the amendment

⁸⁴ Hearing Exhibit 127 (DPS Staff Accounting Panel), pp. 36-37.

⁸⁵ Hearing Exhibit 130 (DPS Staff Accounting Panel Exhibit SAP-3, O&R February 26, 2021, Response to DPS-280).

to PSL §114-a, but that it had retained the dues for the North American Transmission Forum, Inc. (\$23,923), the Association of Edison Illuminating Companies (\$8,668), and the Society of Gas Lighting (\$600). Although this adjustment reduces the revenue requirement for this line item by \$304,536, O&R did not submit a revised revenue requirement schedule as a revised attachment to the Joint Proposal reflecting this adjustment. Nevertheless, O&R does not dispute that EEI and AGA are trade organizations engaging in legislative lobbying activities on behalf of their utility members, including O&R and New York's other utilities whose dues may not be recovered from ratepayers.

Discussion

Pursuant to PSL §114-a, O&R and all other New York utilities can no longer recover in rates any membership costs if an organization engages in legislative lobbying activities. This case was pending when the amendment to PSL §114-a became law. The testimony of both DPS Staff and O&R pre-dated the law's August 2, 2021, effective date. In compliance with PSL §114-a, we therefore make clear that, in adopting the Joint Proposal, we are not authorizing rate recovery of any O&M, membership, legal, or other costs associated with "legislative lobbying" or any activities by EEI, AGA or any other lobbying organization that are undertaken to influence legislation or regulatory changes, as discussed above.

Accordingly, we require the Company to submit a report to the Commission, which identifies all such costs included in the revenue requirement forecast, sets forth the revised revenue requirements for electric and gas, estimates the amounts (including carrying charges) to be refunded to customers during each Rate Year, and proposes the treatment of customer refunds. The report is required to contain the underlying analysis, documentation, and workpapers supporting the identified amounts

that have been excluded from the revenue requirement. The Company is required to file the report with the Secretary within 60 days of the Commission's issuance of this Order.

2. Electric

a. Market Supply Charge/Energy Cost Adjustment

The Joint Proposal provides for the Company's continued recovery of prudently incurred electric supply and supply-related costs, including power purchase costs.⁸⁶ Cost recovery is authorized through the continued Market Supply Charge/Energy Cost Adjustment (MSC/ECA) mechanisms. We are aware of recent volatility and increases in supply costs covered by the MSC/ECA mechanisms, which have increased customer bills. The Company utilizes hedging instruments to minimize fluctuations in supply costs. These instruments are reviewed by DPS for the upcoming winter and summer seasons. We expect O&R to continue to strategically plan to minimize supply cost fluctuations and to timely and effectively communicate with customers and interested stakeholders in advance of significant supply cost price increases and resulting bill impacts.

b. Revenue Decoupling Mechanism

The Joint Proposal allows the Company to continue to implement a Revenue Decoupling Mechanism (RDM), through a modified electric tariff.⁸⁷ The RDM, as modified, will continue until revised by the Commission, except the RDM targets for the Rate Year commencing January 1, 2025, will be restated to reflect the expiration of the temporary credit, assuming the Company does not file for new base delivery rates to be effective within 15 days after the expiration of Rate Year 3.

The Joint Proposal provides four changes to the

⁸⁶ Joint Proposal, p. 8.

⁸⁷ Joint Proposal, Appendix 21.

electric RDM, including (1) extending the RDM to standby customers; (2) excluding customers transferring from an RDM-applicable service class to an individually negotiated contract; (3) updating the RDM targets and thresholds for adjustments based on the new level of delivery revenue; and (4) reducing from ten days to three days, the notice that is required to be provided before an RDM filing becomes effective.⁸⁸

c. Other Charges

The Joint Proposal provides that if the Company is subject to governmental or regional transmission organization (RTO) transmission and/or generation-related charges, costs or credits not listed in or otherwise covered by the then-effective MSC or ECA tariff language, such as those that may be imposed by the Federal Energy Regulatory Commission, the Environmental Protection Agency, or the NYISO, the Company may file a proposed tariff amendment with the Commission providing for recovery from customers of those charges and/or costs, or the application of credits, through the MSC and ECA mechanisms, or a comparable adjustment mechanism, and may include the charges, costs and/or credits applicable to the period prior to the effective date of the tariff amendment.⁸⁹

3. Gas

a. Gas Supply Charge/MGA

The Joint Proposal continues the Company's recovery of all prudently incurred gas supply and supply-related procurement costs through two adjustment charges.⁹⁰ The costs associated with balancing assets will continue to be recovered from service classes through a per Ccf component of the MGA. The Company

⁸⁸ Joint Proposal, Appendix 21.

⁸⁹ Joint Proposal, p. 9.

⁹⁰ Joint Proposal, p. 11.

will file monthly statements with the Secretary reflecting the costs, charges and/or credits according to these adjustment mechanisms.

b. Revenue Decoupling Mechanism

The Joint proposal continues but modifies the Company's existing gas RDM, which is based on a total delivery revenue per class methodology applied to the customer groups included in the RDM, as identified in the Company's gas tariff.⁹¹ If the Company does not file for new base delivery rates to take effect within 15 days after the expiration of Rate Year 3, this RDM will remain in effect unless changed by the Commission, and the delivery revenue targets that became effective on January 1, 2024, will continue except for the expiration of the \$4.7 million temporary credit being collected through the MGA in Rate Year 3 to address the revenue shortfall resulting from levelization.

c. Base Rate Imputations

The Joint Proposal adopts the Company's proposal to increase the gas base rate imputation to \$6.45 million in each Rate Year.⁹² This revenue imputation reflects (1) interruptible benefits of \$5.8 million (Service Classifications (SCs) 8 and 9, with firm withdrawable revenues minus associated gas costs and revenue tax surcharges); and (2) net benefits of \$0.65 million associated with gas delivery to electric generation facilities previously owned by the Company (the Power Generation Imputation).

The Joint Proposal provides that any positive or negative variances between the actual revenue margin and the

⁹¹ Joint Proposal, pp. 11-12, Exhibit 21.

⁹² Joint Proposal, p. 12; Hearing Exhibit 103 (O&R Gas Rate Panel), p. 42.

imputations for interruptible benefits during each Rate Year will be shared with customers, who will realize 80 percent of the benefits, with the Company realizing 20 percent. Over- or under-recovery will be addressed through the MGA. Any positive or negative variances between the actual revenue margin and the net benefits associated with gas deliveries to previously-owned generation facilities will be credited to or recovered from customers through the MGA. One hundred percent of the Power Generation Imputation will be credited to or recovered from customers through the MGA during each Rate Year.

d. Lost and Unaccounted for Gas

The Joint Proposal sets the LAUF target, dead bands and factor of adjustment, which will be updated on November 1 of each Rate Year, using the average of the previous 12-months ending on August 31.⁹³ This provision is consistent with our prior O&R Rate Orders and is reasonably designed to address the necessary calculations for determining LAUF.

Discussion

We find that the rate mitigation, revenue forecasting, and other provisions underlying the Joint Proposal's electric and gas rate plans are reasonable. In particular, the Joint Proposal sets forth rate mitigation measures designed to modestly reduce the rate impact of the proposed electric and gas rate plans by including a freeze on management wage increases, the productivity adjustment, and a shortening of the amortization period for federal taxes from twelve to six years. The Joint Proposal's revenue requirement and rate design

⁹³ Joint Proposal, Appendix 10, Schedules 1 - 4 (LAUF calculations based on 5-year period from August 2017 to August 2021; illustrative calculations of line loss incentive and penalty and system performance adjustment mechanism; and examples of incentives and penalties applying system performance adjustment mechanism).

provisions appear to be allocated fairly among the service classes consistent with the ECOS study and relevant cost of service principles. The revenue requirements in the Joint Proposal are reduced from the Company's request in its initial filings in these proceedings and represent the adoption of DPS Staff proposals in several respects or a fair negotiated position among the parties.

These provisions of the Joint Proposal were agreed to by the signatories to the Joint Proposal after months of settlement negotiations. The parties that opposed the Joint Proposal did not raise issues associated with these provisions or with the revenue allocation among various service classes or for electric and gas customers. Accordingly, based on the record before us, we find that these provisions of the Joint Proposal will assure safe and adequate service at just and reasonable rates.

C. Cost of Capital

The revenue requirements in the Joint Proposal⁹⁴ reflect an overall cost of capital of 6.77 percent in Rate Year 1, consisting of: a Return on Equity (ROE) of 9.20 percent; a common equity ratio of 48.00 percent; a long-term debt ratio of 51.34 percent with a cost rate of 4.58 percent; and a customer deposits ratio of 0.66 percent with a cost rate of 0.05 percent. In Rate Year 2 and Rate Year 3, the long-term debt cost rate decreases to 4.51 percent and 4.49 percent, respectively, which results in a decrease in the overall cost of capital to 6.73 percent in Rate Year 2 and 6.72 percent in Rate Year 3.⁹⁵

In its initial filing, O&R proposed an overall cost of capital of 7.04 percent, with a ROE of 9.50 percent; a common

⁹⁴ Joint Proposal, Appendices 1 and 2.

⁹⁵ Joint Proposal, Appendices 1 and 2.

equity ratio of 50.00 percent; a long-term debt ratio of 49.37 percent, with a cost rate of 4.62 percent; and a customer deposits ratio of 0.63 percent, with a cost rate of 1.53 percent for its electric and gas operations.⁹⁶ DPS Staff's direct testimony recommended an overall cost of capital of 6.56 percent, with a ROE of 8.75 percent; a common equity ratio of 48.00 percent; a long-term debt ratio of 51.34 percent, with a cost rate of 4.60 percent; and a customer deposits ratio of 0.66 percent, with a cost rate of 0.05 percent.⁹⁷

Annually for each of the Rate Years and thereafter until the Commission next sets base rates for O&R, the Joint Proposal institutes earnings sharing thresholds set at 50 basis points above the recommended ROE of 9.20 percent, or 9.70 percent, and earnings above this threshold will be deemed "shared earnings."⁹⁸ Earnings above the 9.70 percent threshold but less than 10.20 percent are shared equally (50/50) between customers and the Company. Earnings equal to or more than 10.20 percent but less than 10.70 percent are shared 75/25 percent between customers and the Company, respectively. Finally, earnings equal to or more than 10.70 percent are shared 90/10 percent between customers and the Company, respectively. For electric and/or gas earnings more than the sharing threshold in any Rate Year, the Company will apply 50 percent of its share and the full amount of the customers' share of earnings to reduce the balance of deferred under-collections of Site Investigation and Remediation (SIR) costs. In the event the amount of Shared Earnings for electric and/or gas exceeds the deferred under-collections of SIR costs, the Company will apply

⁹⁶ Hearing Exhibits 6, 22 (O&R Accounting Panel and Exhibit AP-G5).

⁹⁷ Hearing Exhibit 166, p.1.

⁹⁸ Joint Proposal, pp.15-16.

the amount of excess to reduce other deferred costs.

In its Statement in Support, DPS Staff asserts that the Joint Proposal's compromise resulting in a 9.20 percent ROE, while slightly higher than the 9.00 percent ROE agreed to in the most recent Central Hudson rate case,⁹⁹ is reasonable given the economic environment in recent months during which equity returns have generally increased.¹⁰⁰ DPS Staff further states that the 9.20 percent ROE in this case is not accompanied by the thicker common equity ratios of 50 percent in Rate Year 1 and 49 percent in Rate Year 2 that were agreed to by the parties in the Central Hudson Case. DPS Staff further explains that the agreed-upon common equity ratio of 48 percent, which has been the same for the Company for the last 15 years, will still allow the Company to access capital at favorable terms. Further, DPS Staff states that the Joint Proposal does not allow for reconciliations of the cost of debt. This places the burden of risk on the Company to effectively manage its overall debt portfolio.

The Company asserts that the provisions of the Joint Proposal relating to a 9.20 percent ROE and the overall costs of capital are significantly lower than current national means and were very difficult to accept, but ultimately agreed to in light of other provisions it favored and because it recognized the

⁹⁹ An ROE of 9.00 percent also was agreed to in the most recent National Grid electric and gas rate case. See Cases 20-E-0380 and 20-G-0381, Proceedings on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Niagara Mohawk Power Corporation d/b/a National Grid for Electric and Gas Service, Order Adopting Terms of Joint Proposal, Establishing Rate Plans and Reporting Requirements (issued January 20, 2022) (Niagara Mohawk 2022 Rate Order).

¹⁰⁰ DPS Staff Statement in Support, p. 25, citing Direct Testimony of Staff Finance Panel filed in Case 21-G-0394, Corning Natural Gas Corp. (filed November 12, 2021), p. 6 (Corning Rate Case).

Commission's continued adherence to a cost of capital framework that routinely establishes returns for one-year and multi-year rate plans at the lower end of the range experienced within the utility industry as a whole.¹⁰¹

AGREE takes issue with a ROE of 9.20 percent, arguing only that it believes it "is the highest ROE seen in New York rate cases going back to at least 2017."¹⁰² PULP also takes issue with the 9.20 percent ROE, suggesting that there is "no justification in the record" for such a figure.¹⁰³ Specifically, PULP argues that the lack of any "proxy group cost of equity calculations" that are equivalent to DPS Staff's initial testimony on this issue, in which DPS Staff advocated for a ROE of 8.75 percent ROE, renders the Signatory Parties' agreement to a ROE of 9.20 percent unsupported by any evidence.¹⁰⁴ PULP states that such a high ROE should be rejected by the Commission as unjust and unreasonable, as it will cause bill impacts that are "unresponsive to the financial hardship in which [the Company's] ratepayers currently find themselves" as a result of the Covid-19 pandemic.¹⁰⁵ PULP echoes AGREE's concern that a 9.20 percent ROE is higher than ROEs approved in rate cases decided since early 2020, and suggests that an ROE between 8.80 percent and 9.00 percent would be more appropriate.¹⁰⁶

In response to these concerns, DPS Staff posits that PULP exhibits a "fundamental misunderstanding of both the cost

¹⁰¹ O&R Statement in Support, p. 13.

¹⁰² AGREE Statement in Opposition, §A(2) [The statement is not paginated].

¹⁰³ PULP Statement in Opposition, p.7.

¹⁰⁴ PULP Statement in Opposition, p. 7, citing Hearing Exhibit 170 (DPS Staff Finance Panel Exhibit FP-6).

¹⁰⁵ PULP Statement in Opposition, p. 8.

¹⁰⁶ PULP Statement in Opposition, pp. 8-9.

of capital calculation and the Commission's long-standing methodology for determining cost of equity."¹⁰⁷ DPS Staff points out that, contrary to PULP's suggestion, the Signatory Parties are not obligated to provide proxy group and cost of equity calculations to support the agreed-upon ROE, which was the result of months of negotiations among the interested parties. Responding to PULP's claim that the ROE does not align with ROEs of other recently decided rate cases, DPS Staff reiterates that a 9.20 percent ROE, while admittedly a bit higher than ROEs in recent rate cases, in fact accurately reflects the recent reality of the current economic environment in which equity return requirements are increasing.¹⁰⁸

The Company takes issue with PULP's claim that the agreed-upon ROE is unsupported by record evidence, pointing to the testimony and supporting documentation on the issue submitted by the Company and by DPS Staff, which supported an ROE of 9.75 percent and 8.75 percent, respectively.¹⁰⁹ Thus, the Company argues, the negotiated ROE of 9.20 percent is well within the range of ROEs that would be supported by the record evidence. The Company asserts that the negotiated ROE therefore is reflective of not only the record evidence, but also of the current market conditions in which equity return requirements have increased, as evidenced in testimony filed in more recent rate cases,¹¹⁰ and that it appropriately balances the Company's return requirements with the concerns of the ratepayers.

Discussion

The terms of the Joint Proposal adequately recognize

¹⁰⁷ DPS Staff Reply Statement in Support, p. 2.

¹⁰⁸ DPS Staff Reply Statement in Support, pp.2-3.

¹⁰⁹ O&R Reply Statement in Support, pp 6-7.

¹¹⁰ O&R Reply Statement in Support, p.7, citing Corning Rate Case, Direct Testimony of Staff Finance Panel, p.6.

the increased financial and business risks inherent in setting rates over a multi-year period. As opposed to a single rate year, the extended term of the Joint Proposal inherently carries more financial risk as investors are subject to additional risk that economic conditions will change and the actual cost of capital could increase during the three-year term. Further, because the Joint Proposal locks in forecasted amounts for numerous elements of expense for the three-year term, O&R's business risk is also affected by the potential that actual operating costs will be greater than those forecasted. The Joint Proposal's terms related to the cost of capital and financial protections from risk represent a reasonable result when compared with a potential litigated outcome. Together the 9.20 percent ROE and the 48 percent equity ratio should preserve the Company's credit ratings while imposing a reasonable cost on ratepayers.

We find reasonable DPS Staff's explanation of its agreement to an upward change in the Joint Proposal's ROE from DPS Staff's testimonial position of 8.75 percent to 9.20 percent based on the most current financial conditions that were not evident when DPS Staff filed its initial testimony. Significantly, the 9.20 percent ROE is lower than both the 9.51 percent national average electric ROE and the 9.54 percent national average gas ROE that have been approved nationwide since the beginning of 2021. Moreover, to mitigate bill impacts considering the Covid-19 pandemic, the Joint Proposal also includes an imputation of \$2.9 million in Covid-related adjustments over the term of the three-year Rate Plan.¹¹¹ The Joint Proposal also imputes \$19.6 million of targeted savings from the Company's Business Cost Optimization Program. If the

¹¹¹ Joint Proposal, p. 6.

Company does not achieve the imputed savings targets, it will bear the risk of not achieving its allowed ROE since there is no reconciliation mechanism.¹¹²

Overall, the allocation of risk and the rate of return reflected in the Joint Proposal reasonably balance the return requirements of O&R's investors with customers' expectations of safe and reliable service at just and reasonable rates. In addition, the Joint Proposal will add a benefit to customers in that the multi-year Rate Plans will provide relative predictability and stability to the Company's operations over the next three years.

Finally, the use of the earnings sharing mechanism is beneficial to customers because it provides the Company with a financial incentive to control its costs that is balanced by allowing the Company's customers to have an opportunity to share in any realized efficiency gains. The earnings sharing mechanism proposed in the Joint Proposal also favors the interests of customers by requiring that the earnings sharing be assessed each Rate Year, rather than on a cumulative basis over the full three-year term of the Rate Plans. Inasmuch as there is no identified sharing "floor" below which a deficiency in earnings lower than forecast is shared between the Company and shareholders, the earnings sharing mechanism benefits customers at the risk of the Company since earnings in any Rate Year that are above the earnings sharing threshold cannot be offset by earnings that may be below the earnings threshold in any other Rate Year.

The use of earnings sharing thresholds and the tiered nature of the resulting sharing is consistent with numerous prior multi-year rate plans approved by the Commission. In

¹¹² Joint Proposal, p. 6.

addition, the application of a portion of the Company's share, as well as the full customer share, of any excess earnings to offset deferred SIR costs is responsive to the Commission's expectation that the negotiation of earnings sharing mechanisms in rate plans explore the opportunity to allocate some portion of shared earnings to offset SIR costs.¹¹³

D. Additional Accounting Provisions

1. Amortization of Low-Income Deferrals

The Joint Proposal recommends the return to all ratepayers of \$15.5 million in deferred unspent Low-Income Bill Discount Plan (LIBDP) funds over the three-year term of the Rate Plans.¹¹⁴ PULP objects to this proposal, alleging that the existence of those unspent funds is "almost entirely due to the Company's admitted tier misclassifications over the [15-month] period January 1, 2018 through September 30, 2019", during which time O&R "misclassified the vast majority of LIBDP enrollees as Tier 1 (lowest discount) participants."¹¹⁵ Consequently, PULP argues, O&R "provided far lower discounts" to a majority of LIBDP participants than were due and "[a]s much as \$15.5 million worth of discounts were not paid" due to the misclassified customers.¹¹⁶ PULP claims that the proposal in the Joint Proposal to amortize the \$15.5 million in unspent LIBDP funds to all ratepayers is not justified by the record. Rather, PULP argues, the \$15.5 million should first be used to make the misclassified customers whole and, if any funds are remaining,

¹¹³ Case 11-M-0034, Proceeding on Motion of the Commission to Commence a Review and Evaluation of the Treatment of the State's Regulated Utilities' SIR Costs, Order Concerning Costs for Site Investigation and Remediation (issued November 28, 2012), p. 12.

¹¹⁴ Joint Proposal, §B (2); see Appendices 1 and 3.

¹¹⁵ PULP Statement in Opposition, p. 10.

¹¹⁶ PULP Statement in Opposition, p. 11.

the remainder should be used to address low-income customer needs.¹¹⁷

In response, the Company asserts that the Joint Proposal appropriately recommends passing back the full \$15.5 million regulatory liability to all ratepayers over the term of the electric and gas Rate Plans. While the Company acknowledges that in 2019, a subset of low-income customers participating in the LIBDP were classified in the wrong tier of the program and, therefore, were not given the proper discount that they otherwise should have received,¹¹⁸ the Company disputes PULP's claim that a majority of the \$15.5 million regulatory liability related to the LIBDP is due to that error. Rather, the Company asserts that "approximately a third of the regulatory liability" is associated with the classification error and that the error was corrected in the Company's system.¹¹⁹ To address this error now, the Company proposes to provide the affected customers "a lump sum credit by the end of first quarter 2022 equal to the total amount they should have but did not receive."¹²⁰ In the Company's view, this credit could be properly considered as an out-of-period adjustment for 2019 and is expected to be in an amount below the two percent low-income program cap for 2019.

¹¹⁷ PULP Statement in Opposition, p. 12.

¹¹⁸ See Hearing Exhibit 326. In 2019, due to a system error, approximately 1,300 Tier 2 customers and 5,900 Tier 3 customers were incorrectly placed into Tier 1, thereby receiving lower bill discounts.

¹¹⁹ O&R Reply Statement in Support, pp. 8-9. See Hearing Exhibits 325-326. As a result of the error, approximately \$2.9 million is owed to misclassified electric customers and \$2.2 million is owed to misclassified gas customers.

¹²⁰ O&R Reply Statement in Support, p. 9. In doing so, the Company commits to forego any carrying charges up to the actual amount of the error if it exceeds the LIBDP targets in the Joint Proposal.

For its part, DPS Staff agrees with the Company that PULP appears to overstate the amount of regulatory liability that is due to the misclassification of LIBDP participants. DPS Staff, like the Company, reports that about \$2.9 million and \$2.2 million of the \$15.5 million regulatory liability is due to the misclassification of electric and gas LIBDP participants, respectively.¹²¹ DPS Staff recommends that the Commission adopt the provision in the Joint Proposal to pass back to all ratepayers the full \$15.5 million over the course of these Rate Plans. DPS Staff further recommends that the Company be directed to develop a plan for providing a credit to the affected LIBDP participants, with interest accrued at the customer deposit rate. Staff agrees with the Company that the regulatory liability owed to those affected LIBDP customers should be reconciled without associated interest and carrying charges in the Company's next rate filing.

Discussion

We agree with the Company and DPS Staff that passing-back the \$15.5 million regulatory liability to all ratepayers over the term of the proposed Rate Plans is appropriate. Amortization of regulatory liabilities over multi-year periods is an appropriate and commonly used rate-mitigation strategy to reduce customer bill impacts. Further, passing back the full \$15.5 million regulatory liability here to all ratepayers is not inconsistent with the Commission's 2016 Low Income Order because no specific treatment of regulatory liabilities and assets that result from variances between actual program costs and amounts allowed to be collected in rates is directed in that Order.

As for the amounts that are still owed to the previously misclassified LIBDP participants, we share PULP's

¹²¹ Staff Reply Statement in Support, p.7. See Hearing Exhibits 325-326.

concerns that the affected low-income ratepayers have not yet been made whole from the Company error. O&R is directed to submit a plan to the Secretary within 30 days of issuance of this Order in which the Company is required to propose how it will make the affected LIBDP participants whole, including details of the following: (1) the calculation of the missed bill discount credits and associated interest, applied consistent with 16 NYCRR §§145.3 and 277.3, for each affected, misclassified LIBDP participant; (2) an explanation as to how the Company plans to issue a one-time lump sum bill credit equal to the amount of the discount affected misclassified LIBDP participants would have received absent the misclassification error; (3) for each affected misclassified LIBDP participant, an analysis to determine if affected LIBDP participant fell into arrears and/or was assessed additional charges, or was subject to termination or reconnection fees due to the Company's error; (4) a plan explaining how O&R will communicate the error and the one-time lump sum bill credit to impacted LIBDP participants; and (5) details of the Company's internal controls that have been or will be in place to assure such misclassification and bill crediting errors do not occur in the future, including any proposed changes to existing internal controls.

The bill credits will be reflected in the bills of affected LIBDP participants in their respective billing cycles 45 days after submittal unless DPS Staff submits a letter to the Company indicating that the credit amounts should be adjusted. The Company shall set up a regulatory asset which can include the costs of providing the missed bill discount credits, but shall not include the costs of any associated interest provided to affected customers. The regulatory asset created by O&R's misclassification error shall be reconciled without associated interest and carrying charges in the Company's next rate filing.

2. Federal Tax Cuts and Jobs Act of 2017

In 2017, Congress passed the Tax Cuts and Jobs Act of 2017 (2017 Tax Act), which lowered the highest corporate federal income tax rate from 35 percent to 21 percent and eliminated bonus depreciation. Consequently, the Commission issued an order directing New York utilities to preserve for the benefit of ratepayers the net savings resulting from the 2017 Tax Act through deferral accounting until all net benefits are reflected in rates (Tax Act Order).¹²²

As of December 31, 2021, the Company had an unprotected excess deferred federal income tax (EDFIT) credit totaling \$34.057 million for electric and gas combined and a non-property EDFIT debit balance of \$12.218 million, which amounts to a net benefit of \$21.839 million owed to customers.¹²³ The Company proposed to amortize the benefits related to EDFIT over three years (2022-2024), rather than the remaining 12 years (2022-2033) of the 15-year period approved in the 2019 Rate Plan.¹²⁴ The Company explained that the acceleration of the refund lowered the electric and gas rate requests by \$9 million and \$3 million, respectively.

In its direct testimony, DPS Staff stated that it had “rate stability concerns” with the Company’s proposal to accelerate the refunds of the tax credits.¹²⁵ DPS Staff explained that if the refund were passed back too quickly, then the rate increase experienced by customers would be lower for

¹²² Case 17-M-0815, Proceeding on Motion of the Commission on Changes in Law that May Affect Rates, Order Determining Rate Treatment of Tax Changes (issued August 9, 2018) (Tax Act Order).

¹²³ Hearing Exhibit 127 (DPS Staff Accounting Panel), p. 60.

¹²⁴ Hearing Exhibit 1 (O&R Accounting Panel), p. 10.

¹²⁵ Hearing Exhibit 127 (DPS Staff Accounting Panel), pp. 60-61.

the period of the amortization, but that rates would “increase considerably” once the benefit was fully passed back.¹²⁶ DPS Staff also cited concerns about a potential change in the federal tax law increasing corporate taxes that could require the reversal of the amortizations.¹²⁷ DPS Staff recommended that the unprotected EDFIT balance be refunded to customers over a six-year period, rather than the three years proposed by the Company.¹²⁸ The Joint Proposal provides for the unprotected EDFIT balance to be amortized over six years (2022-2027), as recommended by DPS Staff.¹²⁹

PULP opposes the plan to pass back the unprotected EDFIT balances over a six-year period and argues that these benefits should be given to customers over the three-year period proposed by the Company.¹³⁰ PULP believes that a shorter pass-back period is appropriate given the ongoing “economic disruptions of the Covid-19 pandemic”, which, it states, is causing “severe rate pressure” for the Company’s ratepayers.¹³¹ PULP argues that using EDFIT refunds “to provide short-term masking of the impact of potentially unjust and unreasonable rate increases” violates the spirit of the Tax Act Order and, thus, the EDFIT should be returned to the ratepayers during the course of the proposed three-year Rate Plans.¹³² Finally, PULP believes that DPS Staff’s concerns regarding potential changes in the federal tax law are specious and should not be given any weight.

¹²⁶ Id., p. 61.

¹²⁷ Id.; DPS Staff Reply Statement in Support, p. 8.

¹²⁸ Hearing Exhibit 127 (DPS Staff Accounting Panel), p. 62.

¹²⁹ Joint Proposal, p 6.

¹³⁰ PULP Statement in Opposition, pp. 12-13.

¹³¹ Id., p. 13.

¹³² Id.

Discussion

Although the Joint Proposal does not pass back the unprotected EDFIT as quickly as some parties had desired, the Joint Proposal's treatment strikes a reasonable balance between immediately mitigating the impact of rate increases on customers and providing rate stability for future customers. Amortization over six years, as opposed to the three years proposed by the Company, also is consistent with the Tax Act Order because it passes back a portion of the tax benefit to customers quickly and mitigates the instant rate increase.

Further, we do not consider DPS Staff's concerns about changes in the federal tax law to be unreasonable and should a corporate tax increase occur, a shorter amortization period would worsen the rate impact on the Company's customers, whereas the longer amortization period would provide some measure of relief. Finally, the length of the amortization was negotiated as but one aspect of the Joint Proposal and to disrupt the amortization would necessitate the disruption of other terms of the Joint Proposal that were negotiated to protect ratepayers against potentially precipitous rate increases in the future.

3. Residential Customer Charges

The terms of the Joint Proposal increase the minimum charge for residential electric customers from \$19.50 to \$20.50 in Rate Year 1, \$21.50 in Rate Year 2, and \$22.00 in Rate Year 3;¹³³ and for residential gas customers from \$19.50 to \$20.00 in Rate Year 1, \$21.00 in Rate Year 2, and \$22.00 in Rate Year 3.¹³⁴

In testimony, O&R sought to increase residential customer charges for both electric and gas customers to \$22.00

¹³³ Joint Proposal, Appendix 17, Schedule 5, p. 1; Schedule 6, p. 1; Schedule 7, p. 1.

¹³⁴ Joint Proposal, Appendix 18, Schedule 5, p. 1; Schedule 6, p. 1; Schedule 7, p. 1.

to bring the Company closer to the customer costs identified in its embedded cost of service (ECOS) study of \$31.94, while moderating the rate impacts to low usage customers.¹³⁵ DPS Staff recommended that the customer charge for residential customers be increased by the same percentage as the usage charge, but if the final incremental revenue requirement resulted in an increase less than \$1.00, then it recommended the customer charge be increased by \$1.00. If the incremental revenue requirement was negative, DPS Staff recommended that the customer charges should remain at existing levels.¹³⁶ PULP opposed the increases to the residential customer charges and proposed that O&R investigate other rate design options that would result in a decreased customer charge.¹³⁷ It advocated for modifying the rate design that would allow for a reduction in customer charges to \$18.00.¹³⁸

In its Statement in Opposition, PULP continues to argue that raising such charges "penalizes conservation-minded low and moderate usage customers by denying them any ability to reduce their monthly energy costs for the part of their bills represented by such charges."¹³⁹ For electric customers, PULP contends that these charges would result in higher bill impacts for conservation-minded customers compared to "average"

¹³⁵ Hearing Exhibit 100 (O&R Electric Rate Panel), p. 17; Hearing Exhibit 103 (O&R Gas Rate Panel), p. 30; O&R Statement in Support of Joint Proposal, pp. 20-21; Hearing Exhibit 99 (O&R Demand Analysis and Cost of Service Panel Exhibit DAC-2), p. 169.

¹³⁶ Hearing Exhibit 223 (DPS Staff Rates Panel), p. 31.

¹³⁷ Hearing Exhibit 250, PULP Direct Testimony of William D. Yates, pp. 32-33.

¹³⁸ Id., pp. 32-34.

¹³⁹ Hearing Exhibit 312, PULP Statement in Opposition, p. 14; see also Hearing Exhibit 250, PULP Direct Testimony of William D. Yates, pp. 27-28, 32-33.

customers. It reiterates its testimonial position that such increases run contrary to "the Commission's historic objectives regarding the promotion of energy efficiency in New York" and the objectives of the CLCPA and requests that the Commission reject any increase in the fixed residential customer charge for electric service.¹⁴⁰ For gas customers, PULP states that "the effect of the proposed increased gas fixed charges on bill impacts would be to substantially (if not completely) offset any savings that low usage customers could realize from the Company's adoption of flat volumetric gas rates."¹⁴¹

In response, both DPS Staff and O&R state that the Commission should reject PULP's position. First, they argue that PULP's position ignores the purpose of customer charges, which is to recover costs that do not vary with customer energy usage.¹⁴² Second, they argue that because the current residential customer charge is below the customer costs expressed in the Company's ECOS study, the shortfall of revenue would be recovered through volumetric charges. DPS Staff and O&R state that PULP's position would result in an improper subsidy for lower usage customers by higher usage customers.¹⁴³ DPS Staff contends that low and moderate usage customers will continue to have an incentive to reduce monthly energy costs through the volumetric portion of the bill.¹⁴⁴ O&R argues that

¹⁴⁰ Id.

¹⁴¹ Hearing Exhibit 312, PULP Statement in Opposition, p. 15.

¹⁴² Hearing Exhibit 317, O&R Reply Statement in Support, p. 11; Hearing Exhibit 318, DPS Staff Statement in Reply to Opposition of Joint Proposal, p. 9.

¹⁴³ Hearing Exhibit 317, O&R Reply Statement in Support, p. 11; Hearing Exhibit 318, DPS Staff Statement in Reply to Opposition of Joint Proposal, p. 9.

¹⁴⁴ Hearing Exhibit 318, DPS Staff Statement in Reply to Opposition of Joint Proposal, p. 9.

PULP has failed to provide evidence that the minimum charge increases are at odds with the Commission's energy efficiency objectives or CLCPA goals.¹⁴⁵

O&R's ECOS study identified the relative cost of service for each customer class and exhibited that the existing customer charges for the residential service class is below the customer-related cost of service.¹⁴⁶ The increased customer charges included in the Joint Proposal remain below the cost of service identified in the ECOS study and will gradually increase over the course of the three-year Rate Plans. We find that the customer charges are reasonable and supported by the record. The increased charges appropriately reflect the fixed costs of providing service and we do not believe they will materially interfere with the State's energy efficiency and climate change objectives. We therefore approve the increases to customer charges.

E. Performance Metrics

The electric and gas performance metrics included in the Joint Proposal are designed to provide financial incentives for the Company to continue to provide safe and reliable service, improve performance, and otherwise act for the benefit of customers.¹⁴⁷ Depending upon whether the targets are met or exceeded, or are not met, the financial incentives are imposed through either positive or negative revenue adjustments, recovered from or credited to ratepayers through the ECA/MGA and measured over a 12-month period beginning on June 1 of each Rate Year. The Company imposes a surcharge or credit to customers subject to the ECA/MGA on a common cents per kWh (for electric)

¹⁴⁵ Hearing Exhibit 307, O&R Reply Statement in Support, p. 12.

¹⁴⁶ Hearing Exhibit 99, DAC-2, p. 169.

¹⁴⁷ Joint Proposal, p. 25.

and cents per Ccf (for gas) and will reconcile the positive or negative revenue adjustments annually.

The Joint Proposal sets forth the electric and gas performance metrics in Appendices 13 and 14, respectively. Performance metrics are well-recognized tools that the Commission has utilized in other rate cases. Each of the performance metrics and the applicable positive and negative revenue adjustments are discussed below.

1. Electric Reliability

The Joint Proposal leaves unchanged the electric reliability performance mechanism (RPM), which was established in the 2015 Rate Order and continued in the 2019 Rate Order.¹⁴⁸ The two continued RDM targets under the Joint Proposal relate to the frequency and duration of electric service interruptions: the System Average Interruption Frequency Index (or average number of interruptions), which will remain at 1.20; and the Customer Average Interruption Duration Index target (or average duration of interruptions), which will remain at 1.85.¹⁴⁹

The Joint Proposal also continues a negative revenue adjustment (NRA) of 20 basis points if the Company fails to meet each of these targets per calendar year. Several exclusions from the imposition of the NRA will continue to be applicable, including interruptions and outages resulting from "major storms;" incidents resulting from catastrophic events beyond the

¹⁴⁸ Cases 14-E-0493 and 14-G-0494, O&R - Rates, Order Adopting Terms of Joint Proposal and Establishing Electric Rate Plan (issued October 16, 2015) (2015 Rate Order); Joint Proposal, pp. 51-52, Appendix 15 (setting electric reliability performance targets for customer and system interruptions at 1.85 and 1.20, respectively, with exclusions, and NRAs at 20 basis points); Cases 18-E-0067 and 18-G-0068, O&R - Rates, 2019 Rate Order, pp. 83-84, Appendix 13.

¹⁴⁹ Joint Proposal, p. 25, Appendix 13.

Company's control (e.g., plane crash, water main break, natural disaster); and incidents involving either generation or the bulk transmission system (e.g., NYISO load-shedding mandates).

The Joint Proposal requires the Company's continued annual reporting to the Commission detailing performance. The report must be filed with the Secretary by March 31st and identify whether NRAs or exclusions are applicable during the previous calendar year, that is, for 2022, 2023, and 2024, with the reported results and NRAs applied in Rate Years 1, 2, and 3, respectively.¹⁵⁰

Discussion

The testimony of both the Company and DPS Staff expressed agreement with respect to the continuation of the electric RPM in the 2019 Rate Order and no party proposed changes.¹⁵¹ We find that these provisions of the Joint Proposal are within the range of likely litigated outcomes and therefore approve them. In approving these provisions, we note that the overall objective of a reliability performance mechanism is to continue improvement in the Company's performance. Under the Joint Proposal here, the same reliability metrics in place in the two previous three-year rate plans will remain unchanged for

¹⁵⁰ Joint Proposal, Appendix 13, p. 2. The Joint Proposal requires the annual report to include system-wide performance and the amount of the revenue adjustment, if applicable; and identification of any requested exclusions from the RPM, with an explanation of the applicability of the exclusion, the basis for the requested exclusion, and adequate documentation supporting the exclusion.

¹⁵¹ DPS Staff Statement in Support, pp. 44-45; Cases 18-E-0067 and 18-G-0068, O&R - Rates, supra, 2019 Rate Order, pp. 82-84; 2019 Joint Proposal, Appendix 13. In the 2019 Joint Proposal adopted in its prior rate case, the Company agreed to continue the electric RPM until the Commission reset rates. Consequently, the Joint Proposal does not add value in the reliability area but continues the status quo.

another three years. As we noted in the 2019 Rate Order, the Company was meeting the targets for the electric reliability metrics that previously had been set under the 2015 Rate Plan.¹⁵² The Company has continued to meet these targets.

2. Gas Safety

The Joint Proposal modifies the existing gas safety performance metrics outlined in the 2019 Rate Order and requires the Company to meet more stringent targets.¹⁵³ DPS Staff notes that these modified performance targets will align O&R's performance metrics with other gas utilities operating in New York.¹⁵⁴

Metrics are established in the following areas: leak management, emergency response, leak prone pipe removal/replacement, gas main replacement, damage prevention, and regulatory non-compliance. Positive revenue adjustments are applicable for exceeding targets and negative revenue adjustments for failing to meet targets in these areas, as detailed below. These metrics and adjustments will remain in effect until the Commission resets rates or otherwise changes them.

No later than 60 days of the end of the calendar year, the Company must report its annual performance in each area for which negative or positive revenue adjustments are applied.¹⁵⁵ If the Company can demonstrate "extenuating circumstances" that

¹⁵² Cases 18-E-0067 and 18-G-0068, O&R - Rates, 2019 Rate Order, p. 88.

¹⁵³ Joint Proposal, p. 25, Appendix 14, pp. 1-15; Cases 18-E-0067 and 18-G-0068, O&R - Rates, supra, 2019 Rate Order, pp. 84-88. The 2019 Rate Order modified the gas safety metrics that previously had been established in the 2015 Rate Order.

¹⁵⁴ DPS Staff Statement in Support, pp. 44-45.

¹⁵⁵ Joint Proposal, Appendix 14, pp. 10-11.

prevented achieving performance metrics, the negative revenue adjustments may be excused by the Commission on a case-by-case basis. The Company's right to seek judicial review of the Commission's determination is preserved.

Under the Joint Proposal, negative revenue adjustments are applicable to leak management, including repairable leaks and year-end leak back logs; emergency response, damage prevention, gas main replacement, and regulatory non-compliance. The leak management targets (Types 1, 2, and 2A) for each rate year are set at less than or equal to 20, with 10 basis points assessed as a negative revenue adjustment if the back log exceeds 20. The leak management, year-end backlog targets (Types 1, 2, 2A, and 3) are set at less than or equal to 50, with 5 basis points assessed as a negative revenue adjustment if greater than 50. The Company will be deemed to meet the targets if achieved by December 31 of each Rate Year.

The emergency response metric requires the Company to respond within 30-minutes to gas leak or odor calls for at least 75 percent of the calls from 2022 to 2024; to respond within 45-minutes to gas leak or odor calls for at least 90 percent of the calls; and to respond within 60-minutes for at least 95 percent of the calls.¹⁵⁶ A twelve basis point negative revenue adjustment is applied for failure to meet these targets, although the Company may seek DPS Staff's consent or Commission approval to exclude gas leak and odor calls resulting from mass area odor complaints, major weather-related occurrences, or major equipment failure within seven days of the date of the event.

For the damage prevention metric, the Joint Proposal requires all damages to be tracked in accordance with the

¹⁵⁶ Joint Proposal, Appendix 14, pp. 3-4.

guidelines in the Annual Gas Safety Performance Measures Report. Negative revenue adjustments of 5, 10, and 20 basis points will apply if the total damages to the Company's gas facilities exceed 2.0, 2.25, and 2.50, respectively, per 1,000 one-call tickets for each calendar year from 2022 to 2024.¹⁵⁷ The Joint Proposal allows the Company to "average" the current year and prior year damage numbers in calculating performance. For example, total damage performance for 2022 would be the average of damage performance in both 2021 and 2022.¹⁵⁸

The Joint Proposal continues the target for leak prone gas main removal/replacement of 66 miles from 2022 to 2024, and a minimum annual removal/replacement target of 20 miles. These targets will continue after the term of the gas Rate Plan.¹⁵⁹ If the 66-mile target is not achieved, 7.5 basis points will be assessed as a negative revenue adjustment. If the 20-mile minimum annual removal of leak-prone gas main is not achieved, 15 basis points will be assessed as a negative revenue adjustment in 2022 and 2023, and 7.5 basis points assessed in 2024. At the beginning of each calendar year, the Company is required to provide a list of the top five percent of the riskiest pipes.¹⁶⁰ If the pipes on the list are not removed, the Company must provide an explanation. The Company is also required to identify the 5 percent of the riskiest pipes that were not removed in the preceding year.

¹⁵⁷ Joint Proposal, Appendix 14, p. 4.

¹⁵⁸ Joint Proposal, Appendix 14, p. 4, n. 7.

¹⁵⁹ Joint Proposal, Appendix 14, p. 5. To meet these targets, the Company may remove pipes that are bare steel, aldyll plastic and ineffectively coated steel with high leakage rate if it is in the top five percent of risk. With DPS Staff's consent, the Company may remove ineffectively coated steel pipe outside of the top five percent.

¹⁶⁰ Joint Proposal, Appendix 14, p. 11.

For violations of the gas safety regulations identified during DPS Staff field and record audits that pose "high-risk" or "other risk" beginning on January 1, 2022, the Joint Proposal sets negative revenue adjustments of one half and one full basis point for exceeding violation thresholds for the high-risk category, and one-quarter of a basis point for violations in the other risk category.¹⁶¹

The violations and occurrences will be identified in a DPS Staff audit letter and will be subject to further discussion at a compliance meeting at which DPS Staff will present its audit findings and violations that are subject to the negative revenue adjustments. The Company is given five days to cure the violations and will not be subject to the adjustment if the violation found is of its work procedure, which exceeds Code 255 or Code 261. The total negative revenue adjustment for this metric cannot exceed 75 basis points. The number of violations is capped at ten for each code section, for purposes of imposing a negative revenue adjustment, but violations in excess of ten will be addressed in a Corrective Action Plan submitted by the Company in response to an audit letter in order to achieve compliance.¹⁶² The Company's failure to implement the corrective action plan will result in imposition of negative revenue adjustments associated with the violations.

The Joint Proposal requires DPS Staff to file its final audit reports with the Secretary and if the Company disputes the results or any findings, or denial of exclusions based on extenuating circumstances, it may appeal to the Commission by filing a petition with a remediation plan to

¹⁶¹ Joint Proposal, Appendix 14, pp. 5-8.

¹⁶² Joint Proposal, Appendix 14, p. 7.

address the violations.¹⁶³ Negative revenue adjustments will not be applied until the Commission issues its final determination on the petition. The Commission in its discretion may provide the Company with an evidentiary hearing prior to a final determination and the Company does not waive its right to seek judicial review of the Commission's determination.

The Joint Proposal provides that negative revenue adjustments shall not exceed 150 basis points for failure to meet any of the metrics in each of the Rate Years.¹⁶⁴ The positive and negative revenue adjustments will be annually reconciled and credited or charged to customers through the Monthly Gas Adjustment surcharge over a 12-month period beginning on June 1. The Company is required to file an annual report with the Secretary reflecting performance and adjustments in each area.

The Joint Proposal also provides for the Company to realize a positive revenue adjustment for meeting targets for leak management year-end backlog, gas main replacement, emergency response and damage prevention.¹⁶⁵ For leak management, the Company will receive positive adjustments between 2 and 6 basis points for reducing year-end total leak backlogs (Types 1, 2, 2A, and 3) and reaching or exceeding the

¹⁶³ Joint Proposal, Appendix 14, p. 8.

¹⁶⁴ Joint Proposal, Appendix 14, p. 1, n. 1. The Joint Proposal notes that the NRA is stated on a pre-tax basis and "[t]he revenue requirement equivalents of a ten-basis point on common equity capital per the gas revenue requirements under this Proposal are estimated to be approximately \$0.377 million in RY1, \$0.405 million in RY2 and \$0.433 million in RY3." Joint Proposal, Appendix 14, p. 1, n. 4.

¹⁶⁵ Joint Proposal, Appendix 14, pp. 8-10.

targets.¹⁶⁶

For each mile in excess of the 23 miles of gas main replacement or removal, the Company will earn a positive revenue adjustment of 2 basis points, capped at 10 basis points or five miles per calendar year.¹⁶⁷ For emergency response, positive revenue adjustments of 2, 4, or 6 basis points (capped at 6 basis points) will be applied if the Company responds to leak or odor calls within 30 minutes for at least 91 percent of the calls.¹⁶⁸ The adjustment applies to each increase of 2 percent beyond the established response time target.

With respect to damage prevention, positive revenue adjustments of between 5 and 10 basis points will be applied if the Company reduces the total damages to its facilities per 1,000 one-call tickets in each calendar year from 2022 to 2024.¹⁶⁹ The targets for each year are greater than 1.25 and less than or equal to 1.50 to earn 5 basis points; and less than or equal to 1.25 to earn 10 basis points.

Discussion

We find these provisions of the Joint Proposal necessary to incentivize the Company's performance in important gas safety areas, while at the same time prioritizing those areas requiring attention by imposing financial penalties. The Joint Proposal's targets and associated revenue adjustments are

¹⁶⁶ Joint Proposal, Appendix 14, p. 8. For 2022, if the leak backlog is 11 to 20, 2 basis points are applied; if the backlog is 4 to 10, 4 basis point are applied; and if the backlog is 0 to 3, 6 basis point are applied. The leak backlog targets for 2023 and 2024 are 9 to 15, 4 to 8 and 0 to 3 to earn positive revenue adjustments of 2, 4, and 6 basis points, respectively.

¹⁶⁷ Joint Proposal, Appendix 14, p. 9.

¹⁶⁸ Id.

¹⁶⁹ Joint Proposal, Appendix 14, p. 10.

within the range of likely litigated outcomes. We therefore approve the details of the performance mechanisms but with an observation in response to the Company's complaints about the outcome.

In its Statement in Support, the Company identifies the disagreement with DPS Staff regarding the extent to which existing performance mechanisms should be changed and new metrics added.¹⁷⁰ DPS Staff's testimony recommended modest modifications to the existing gas safety performance mechanism established under the 2019 Rate Order.¹⁷¹ The Company's testimony urged that there should not be any modifications or additional requirements at all.¹⁷² The Company claims that the Joint Proposal's provisions that modified these metrics "were, in particular, a very difficult element" for it to accept except in the context of a comprehensive settlement.¹⁷³ The Company asserts that provisions focusing on positive incentives rather than penalties are a more effective mechanism to motivate superior performance. In other words, the Company complains about negative revenue adjustments while at the same time favoring positive ones. In its Statement in Support, the Company argues that "continually tightening standards to match

¹⁷⁰ O&R Statement in Support, p. 23.

¹⁷¹ Hearing Exhibit 196 (DPS Staff Gas Safety Panel), pp. 13-18, 21-22, 32-33, 41-42, and 47-51. DPS Staff proposed: 1) allowing only the top five percent of pre-1971 ineffectively coated steel mains in the leak prone pipe removal program; 2) returning any earned positive revenue adjustment should O&R fail to achieve the minimum leak prone pipe removal target in any calendar year or cumulatively; 3) adjusting the existing leak management positive revenue adjustment; and 4) adjusting the positive revenue adjustment targets for the emergency response time mechanism.

¹⁷² Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel, Rebuttal), pp. 25-32.

¹⁷³ O&R Statement in Support, p. 23.

historical performance more closely can be a disincentive to improve, is unnecessary given the Company's demonstrated performance levels, and carries the potential for higher costs to customers to maintain such levels of performance."¹⁷⁴

We disagree. In setting more stringent targets in the three-year Rate Plans, the objective is for the Company's performance to continue to improve. Some critics of positive revenue adjustments argue that rewarding a utility for doing what is already required to provide safe and reliable service lacks a rational basis and maintaining performance levels should not result in higher costs to ratepayers. Our policy and practice for all major gas utilities is to reward improvement and penalize inadequate performance by setting performance metrics that identify areas in need of attention and establish firm goals. We believe that the Joint Proposal represents a reasonable implementation of our policy and practice.

F. CLCPA Related Efforts

The CLCPA mandates that New York's greenhouse gas emissions be 40 percent below 1990 levels by 2030; 85 percent below 1990 levels by 2050; and economy-wide carbon neutrality achieved by 2050.¹⁷⁵ CLCPA Section 7(2) requires all State agencies to consider whether their administrative approvals and decisions "are inconsistent with or will interfere with the

¹⁷⁴ Id., p. 23, n. 17.

¹⁷⁵ Environmental Conservation Law (ECL) §75-0107(1). Statewide greenhouse gas emissions levels in 1990 were 409.78 million metric tons of carbon dioxide equivalent. 6 NYCRR §496.4(a). Using a 20-year global warming potential and including upstream emissions from fossil fuels imported into New York, as required by the CLCPA, the statewide greenhouse gas emission limit for 2030 is 245.87 million metric tons of carbon dioxide equivalent (CO₂e) and the emissions limit for 2050 is 61.47 million metric tons of CO₂e. See December 30, 2021 Climate Action Council Draft Scoping Plan, p. 21.

attainment of the statewide greenhouse gas emissions limits” established in Environmental Conservation Law (ECL) Article 75. CLCPA Section 7(3) requires all State agencies to ensure that their decisions will not “disproportionately burden disadvantaged communities.”¹⁷⁶ The CLCPA also requires various State agencies, including the Commission, to “promulgate regulations to contribute to achieving the statewide greenhouse gas emissions limits established in Article 75 of the ECL.”¹⁷⁷

The CLCPA establishes the Climate Action Council (CAC), which was required to prepare a draft Scoping Plan by January 1, 2022, and to issue a final Scoping Plan by January 1, 2023, outlining recommendations for attaining statewide greenhouse gas emissions limits. The CAC’s Scoping Plan “shall identify and make recommendations on regulatory measures and other state actions that will ensure the attainment of the statewide greenhouse gas emissions limits established” by the CLCPA, with input from the public, subject matter experts, and other stakeholders.¹⁷⁸ On December 30, 2021, the CAC released its draft Scoping Plan for public comment.

In addition, the CLCPA requires the Department of Environmental Conservation, by January 1, 2022 and each year thereafter, to issue a comprehensive report on statewide greenhouse gas emissions, expressed in tons of carbon dioxide equivalents, from all greenhouse gas emission sources in the State, including the relative contribution of each type of greenhouse gas and each type of source to the statewide total.¹⁷⁹ After public workshops, consultation with various groups, and

¹⁷⁶ CLCPA, L. 2019, ch. 106; ECL §75-0101 et seq.

¹⁷⁷ ECL §75-0109.

¹⁷⁸ ECL §75-0103(11), (13).

¹⁷⁹ ECL §75-0105.

incorporating findings from the CAC's Scoping Plan, the Department of Environmental Conservation must promulgate rules and regulations by January 1, 2024, to ensure compliance with statewide emissions reduction limits and work with other State agencies and authorities to promulgate necessary regulations.¹⁸⁰

The Joint Proposal states that O&R will undertake environmental sustainability efforts that are designed "to assist in achieving the goals of the CLCPA."¹⁸¹ As noted above, one of the primary goals of the CLCPA is to reduce statewide greenhouse gas emissions reductions by the established deadlines, the first of which is 2030. As such, O&R's efforts must be aimed at reducing its greenhouse gas emissions, not only during the three-year rate term established in the Joint Proposal, but also in the future.

The Joint Proposal contains provisions identified as "CLCPA-Related Efforts."¹⁸² First, the Joint Proposal requires the Company to undertake an inventory of total system-wide emissions and to report annually on the results of the emissions inventory and the methodology used to calculate emissions.¹⁸³ Certain other CLCPA-related provisions in the Joint Proposal require specific actions that are intended to reduce greenhouse gas emissions, including:

¹⁸⁰ ECL §75-0109.

¹⁸¹ Joint Proposal, p. 6, Appendix 20.

¹⁸² Joint Proposal, p. 6, Appendix 20.

¹⁸³ Id. The Joint Proposal indicates that O&R's emissions inventory "calculation will include publicly available resources, such as EPA's 2019 eGRID table, EPA's greenhouse gases equivalencies calculator, and U.S. Energy Information Administration data." If the Commission takes action in a separate proceeding during the term of these Rate Plans to define the methodology to be used in emissions inventory calculations, that methodology will govern the inventory requirement in the Joint Proposal.

- Lowering emissions from operations by retiring 22 miles of leak prone pipe annually from 2022 to 2029;
- Enhancing public awareness and conducting educational measures related to availability of low carbon heating alternatives, such as ground and air source heat pumps and heat pump water heaters and provide financial incentives to reduce installation costs for those technologies;
- Installing 15,400 natural gas detectors with notification capability to emergency response personnel;
- Proposing in 2022 a Geothermal Neighborhood Project as a Reforming the Energy Vision (REV) Demonstration Project to explore the potential for a geothermal district energy system and thereby avoid construction of additional gas infrastructure;
- Targeting a 0.95 - 3.63 percent annual reduction in peak gas usage by 2024 in all service classes through a Behavioral Demand Response Pilot;
- Advancing customer adoption of clean energy technologies (electric vehicles, heat pumps, etc.) through enrollment in its clean energy program;
- Purchasing new electric vehicles for the Company's light-duty fleet and transitioning the entire existing light-duty fleet to EVs by 2040;
- Deployment of EV plug-ins;

- Adding 84.6 megawatts (MWs) of energy storage by 2024.¹⁸⁴

The Company's Statement in Support indicates that it anticipates significant emissions reductions from the CLCPA-Related Efforts and other programs, and lists the "Lifetime CO₂ Reductions" totaling 1.397 million tons in the categories of electric and gas consumption, and electric vehicle and heat pump adoption.¹⁸⁵ The Company notes, however, that these projections are "provided for illustrative purposes only."

In its Reply Statement, O&R indicates that the Joint Proposal "begins to align the Company's gas planning and actions with the CLCPA."¹⁸⁶ Attached to O&R's Reply is a "Sales Volume Emission Impact" chart, which estimates the emissions impacts from 2021 to 2024 that could result based on its electric and gas sales forecasts.¹⁸⁷

PULP argues in its Statement in Opposition that O&R's CLCPA efforts lag behind other utilities and are tied to prior Consolidated Edison measures requiring use of ratepayer funds to

¹⁸⁴ The Joint Proposal (Appendix 20, pp. 1-2) references measures that the Company is already required to undertake pursuant to the NE:NY order (Case 18-M-0084), such as targeting a 6.6 percent reduction in electric sales volumes and a 1.5 percent reduction in gas sales volumes from 2019 levels through energy efficiency programs. Other listed items are required under separate provisions of the Joint Proposal, some of which are associated with PRAs, including gas performance mechanisms, such as leak prone gas main removal/replacement and leak management.

¹⁸⁵ O&R Statement in Support, p. 6.

¹⁸⁶ O&R Reply Statement in Support, p. 10.

¹⁸⁷ O&R Reply Statement in Support, p. 3, n. 4 and Attachment A. Although the Company indicates that the emission values in Attachment A to its Reply Statement were calculated "[e]mploying the same methodology the Company used to calculate emissions reductions," in its initial Statement in Support (p. 6), that methodology is not set forth.

pay above market rates for non-proven, theoretical measures, such as certified natural gas.¹⁸⁸ PULP asserts that O&R should do more to meet the CLCPA's objectives and should agree to the greenhouse gas reduction measures that its affiliate, Consolidated Edison, has agreed to, including proposing eligibility criteria for NPAs.

AGREE similarly objects to the lack of specificity in the Joint Proposal's CLCPA provisions when compared with other utility rate cases.¹⁸⁹ AGREE asserts that the Joint Proposal's provisions do not comply with the CLCPA and notes that there is little time to comply with the statute's ambitious emissions reductions goals.¹⁹⁰ AGREE notes that although O&R has agreed to inventory its emission in the future, it should have done so in these rate proceedings given the CLCPA's applicability and required Commission findings. AGREE further asserts that the Company has not quantified its emissions in these cases, the Commission has no record upon which to determine how the Company's commitments will align with the CLCPA, including the agreed-upon 1.5 percent reduction target in its service territory.¹⁹¹

DPS Staff asserts in its Statement in Support that the CLCPA's requirements must be interpreted with the Commission's statutory duty to ensure safe and adequate service under PSL §65(1). DPS Staff claims that although the Company's projections show increased gas demand, the Joint Proposal is consistent with the CLCPA because its provisions will result in the more efficient use of existing electric and gas service in

¹⁸⁸ PULP Statement in Opposition, p. 5.

¹⁸⁹ AGREE Statement in Opposition, p. 3.

¹⁹⁰ Id., pp. 6-7.

¹⁹¹ Id., p. 7.

favor of more environmentally friendly alternatives, while also ensuring that the Company provides safe, reliable and adequate service at just and reasonable rates.¹⁹² DPS Staff claims that although the Joint Proposal will increase gas sales in all three Rate Years, O&R will “work to reduce total gas sales from forecasted levels by one and one-half percent” over the three-year Rate Plans.¹⁹³ DPS Staff also cites the Company’s LPP and NPA programs as contributing to the CLCPA’s goals. DPS Staff refers to the Joint Proposal’s cost recovery provisions applicable in the New Efficiency: New York (NE:NY) proceeding as furthering the CLCPA’s objectives.¹⁹⁴

In its Reply Statement, DPS Staff points to the Company’s commitment to submit a proposal for a Company-owned geothermal system, claiming that it is an NPA project intended to replace fossil fuel heating systems.¹⁹⁵ We find that the Geothermal Neighborhood Project being proposed under the Joint Proposal to be relevant to the CLCPA inquiry only if the Commission approves the proposal and the Company agrees to implement it once approved.

In its Statement in Support, O&R interprets our recent decision in the Niagara Mohawk Power Corporation d/b/a National Grid rate cases¹⁹⁶ to mean that the CLCPA does not override the Commission’s “core responsibility” to ensure that O&R provides safe and reliable service at just and reasonable rates.¹⁹⁷ O&R

¹⁹² DPS Staff Statement in Support, pp. 9-10.

¹⁹³ DPS Statement in Support, p. 8.

¹⁹⁴ DPS Statement in Support, pp. 9-10.

¹⁹⁵ DPS Reply Statement in Support, p. 11; Joint Proposal, Appendix 20, p. 1.

¹⁹⁶ Cases 20-E-0380 and 20-G-0381, supra, Niagara Mohawk 2022 Rate Order, pp. 77-78.

¹⁹⁷ O&R Statement in Support, pp. 3-4.

further asserts that disadvantaged communities are not disproportionately burdened by these Rate Plans because they “receive the benefits of safe and reliable service and low-cost natural gas.”¹⁹⁸

Discussion

We find that, in reviewing the Joint Proposal here, the Commission can and should serve the statutory purposes of both the CLCPA to reduce greenhouse gas emissions and PSL §65(1) to ensure that O&R can provide safe and adequate service at just and reasonable rates. The CLCPA recognizes that the provision of safe and adequate service remains paramount during the transition to a clean energy economy and the Commission remains committed to balancing those interests with rate impacts to all customers.¹⁹⁹ The Commission has furthered the CLCPA’s objectives and has implemented the State’s policy to reduce greenhouse gas emissions in the actions it has taken before and

¹⁹⁸ Id., p. 4.

¹⁹⁹ PSL §66-p(2), (4).

after the CLCPA's enactment.²⁰⁰

The Commission notes that the CLCPA contains no mandates or guidelines with respect to emissions associated with the State's gas distribution system or gas supplied by utilities like O&R. This is in contrast with the specific mandates included within the CLCPA related to the transition to a zero-emission electric grid by 2040 and expressly applicable to the Commission, which are being implemented through the Commission's modification to align the Clean Energy Standard with the CLCPA.²⁰¹

This absence of specific mandates or guidelines with respect to the State's gas distribution system played out in the

²⁰⁰ See, e.g., Case 14-M-0101, Proceeding on Motion of the Commission in Regard to Reforming the Energy Vision, Order Adopting Regulatory Policy Framework and Implementation Plan (issued February 26, 2015) (Track One Order); Order Adopting a Ratemaking and Utility Revenue Model Policy Framework (Track Two Order) (issued May 19, 2016); Case 15-M-0252, In the Matter of Utility Energy Efficiency Programs, Order Authorizing Utility-Administered Gas Energy Efficiency Portfolios for Implementation Beginning January 1, 2016 (issued June 19, 2015); Case 15-E-0302, Proceeding on Motion of the Commission to Implement a Large-Scale Renewable Program and Clean Energy Standard, Order Adopting Modifications to the Clean Energy Standard (issued October 15, 2020) (2020 NE:NY Order); Case 20-E-0197, Proceeding on Motion of the Commission to Implement Transmission Planning Pursuant to the Accelerated Renewable Energy Growth and Community Benefit Act, Order on Phase 1 Local Transmission and Distribution Project Proposals (issued February 11, 2021).

²⁰¹ Case 15-E-0302, supra, 2020 NE:NY Order; Case 19-E-0735 - Proceeding on Motion of New York State Energy Research and Development Authority Requesting Additional NY-Sun Program Funding and Extension of Program Through 2025, Order Extending and Expanding Distributed Solar Incentives (issued May 14, 2020) (NY Sun Order); Case 18-E-0130 In the Matter of Energy Storage Deployment Program, Order Establishing Energy Storage Goal and Deployment Policy (issued December 13, 2018) (Energy Storage Order).

rate case before us. While PULP and AGREE argue that O&R is not taking enough action to reduce emissions, the Company notes that the measures itemized in the Joint Proposal only begin to align the Company's gas planning with the CLCPA.

The Commission recognizes the need to reduce the emissions associated with gas delivery systems and, accordingly, initiated the Gas Planning Procedures proceeding, in which it tasked assigned Staff with issuing "a proposal for a modernized gas planning process that is comprehensive, suited to forward-looking system and policy needs, designed to minimize total lifetime costs, and inclusive of stakeholders."²⁰² Staff subsequently issued a Gas Planning Process Proposal,²⁰³ which has been the subject of a stakeholder forum and two rounds of public comments. The purpose of Staff's proposal is to ensure more thoughtful, strategic, and comprehensive planning for natural gas usage and investments. It also presents a regulatory planning roadmap to enable utilities to maximize the use of energy efficiency, new technologies (such as electric heat pumps) and demand response programs, as well as to minimize -- and potentially eliminate -- new gas infrastructure investments while maintaining safe and reliable service, consistent with the CLCPA.

We thus reject the arguments advanced by both PULP and AGREE that the Joint Proposal is inconsistent with the CLCPA and the Company should be required to do more. The Joint Proposal reflects a result that is within the range of likely litigated outcomes because it sets forth specific actions designed to promote the CLCPA's objectives to reduce emissions over the

²⁰² Case 20-G-0131, supra, Gas Planning Order Instituting Proceeding (issued March 19, 2020), p. 7.

²⁰³ Case 20-G-0131, supra, Staff Gas System Planning Process Proposal (February 12, 2021).

three-year Rate Plans, and does so within a legal backdrop that requires O&R to serve its customers. We decline to compare O&R's efforts with those of other utilities, as PULP urges, because of the financial, operational, and other differences among all New York utilities and the parties' good faith efforts to address the CLCPA here.

We find that the Rate Plans proposed here comply with Section 7(2) of the CLCPA and appropriately balance the interests in reliability, public safety, and reasonable rates with emission reductions and clean energy objectives. In addition, the proposed Rate Plans contain provisions similar to those in recent rate plans that the Commission has found to be consistent with the CLCPA,²⁰⁴ and are an important step in the ongoing process of achieving the CLCPA's greenhouse gas emission limits, one that will be built upon in future rate cases and in other Commission proceedings.

We also find that the programs and projects in the Joint Proposal and proposed Rate Plans will not burden disadvantaged communities disproportionately. No party alleged a disproportionate burden on disadvantaged communities, nor refuted the Company's reliance on our recent findings in the Niagara Mohawk 2022 Rate Order regarding compliance with CLCPA

²⁰⁴ See, Cases 20-E-0428, Central Hudson Gas & Electric Corporation - Rates, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plan (issued November 18, 2021); Cases 19-G-0309, et al., The Brooklyn Union Gas Company d/b/a National Grid NY for Gas Service - Rates, Order Approving Joint Proposal, as Modified, and Imposing Additional Requirements (issued August 12, 2021); Cases 19-E-0378, et al., New York State Electric and Gas Corp. and Rochester Gas and Electric Corp. - Rates, Order Approving Electric and Gas Rate Plans in Accord with Joint Proposal (issued November 19, 2020), pp. 115-120.

Section 7(3) because disadvantaged communities receive the benefits of safe and reliable service.²⁰⁵

The Joint Proposal's requirement for O&R to perform a system-wide greenhouse gas emissions inventory and report to the Commission is a critical foundational step that is consistent with our decisions in other recent rate cases, which recognize the need to reduce emissions in complex natural gas delivery systems.²⁰⁶ The inventory will create a baseline on which the Company's planning measures and operational changes can be based. The Joint Proposal is also consistent with the pending DPS proposal in the Gas Planning Proceeding, including comprehensive usage planning and minimization of new gas infrastructure investments.²⁰⁷

Other provisions of the Joint Proposal that require concrete actions also have the potential to result in quantifiable emission reductions, including removing/replacing leak prone pipe, adding energy storage, proposing a geothermal project, targeting annual reductions in peak usage, enrolling customers in the clean energy program to adopt electric vehicles and heat pumps, deploying electric vehicle plug-ins, and purchasing electric fleet vehicles.²⁰⁸

Overall, the Joint Proposal's identified CLCPA-Related Efforts advance the CLCPA's objectives. The Joint Proposal

²⁰⁵ O&R Statement in Support, p. 4.

²⁰⁶ See Cases 20-E-0380 and 20-G-0381, supra, Niagara Mohawk 2022 Rate Order, pp. 82-83; Cases 20-E-0428 and 20-G-0429, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Central Hudson Gas & Electric Corporation for Electric and Gas Service, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plan (issued November 18, 2021), pp. 31-32.

²⁰⁷ Case 20-G-0131, supra, DPS Staff Gas System Planning Proposal (filed February 12, 2021).

²⁰⁸ Joint Proposal, Appendix 20.

requires O&R to file an emissions inventory, a plan for the development of renewable natural gas (RNG), and a report to the Commission on NPAs in the generic Gas Planning Proceeding. We further clarify the Joint Proposal's reporting requirements. Unless required to do so earlier, in its next rate filing, O&R is additionally required to provide: (1) the 1990 greenhouse gas emissions baseline for its entire gas network, with a description of the methodology used in developing the baseline calculation; (2) a calculation of annual greenhouse gas emissions for its gas network at the time of the filing (or at the time the Commission requires, if earlier), with a description of the methodology used in the calculation; (3) an assessment of the impacts that O&R's specific investments, capital expenditures, programs, and initiatives described in its rate filing will have on its greenhouse gas emissions from its gas network, specifying the potential emissions impacts of each; and, (4) an analysis of NPAs considered for each investment, capital expenditure, program or initiative and a reasoned explanation if such NPA was not selected.

We note that the DPS Gas System Planning Proposal in the Gas Planning Proceeding recommends that the Commission direct New York's gas utilities to file long-term plans every three years, which consider the greenhouse gas emission impacts of new gas infrastructure and the State's reduction goals.²⁰⁹ That Proposal also recommends that the Commission have a "stringent test" for construction of new gas infrastructure in order to address the State's greenhouse gas reduction goals. The Commission has not yet reached a determination in the Gas Planning Proceeding. In requiring reporting here on O&R's

²⁰⁹ Case 20-G-0131, supra, DPS Staff Gas System Planning Proposal, p. 26.

CLCPA-Related Efforts, we do not intend to affect the Commission's actions in that Proceeding.

In approving the CLCPA provisions of the Joint Proposal, we have observations that should guide the Company in its next rate filing. The Joint Proposal reflects increased gas sales over the three-year term of the gas Rate Plans and more should be done in the future to quantify how such increased sales will be mitigated consistent with the CLCPA. As DPS Staff notes, the Company's forecasts are the best estimate of customer usage that can be expected based on available data and economic variables."²¹⁰ Furthermore, the Company cannot simply refuse gas service in an effort to reduce gas sales because it is required by law to provide gas service to both residential and non-residential applicants upon request where sufficient gas supply exists.²¹¹ The Company should continue to explore additional revisions to its programs, marketing efforts, and incentive structures to mitigate any increased gas expansion.

The Joint Proposal characterizes several measures as "CLCPA-Related Efforts," but they do not require specific actions by the Company that are likely to result in demonstrable and quantifiable reductions in greenhouse gas emissions to advance the CLCPA's objectives and do not have a reporting component. For example, the Joint Proposal calls for the Company "to consider non-pipe alternatives instead of LPP replacements;" and "to seek out opportunities for NPAs."²¹² The Joint Proposal also states that O&R will "support efforts that

²¹⁰ DPS Staff Statement in Support, p. 10.

²¹¹ See PSL §31(1), (4); Transportation Corporations Law §12.

²¹² Joint Proposal, Appendix 20, pp. 1-2.

explore the use of hydrogen and RNG within the gas system;"²¹³ will "support the work of the CLCPA's Climate Justice Working Group;" and will "support" customers in adding solar photovoltaics to the electric system.²¹⁴ The Joint Proposal further includes on the list of CLCPA-Related Efforts that the Company will update its website to include education about community solar opportunities and "will continue to evaluate its approach to gas depreciation."²¹⁵ In the next rate filing, the Company is required to quantify reductions in greenhouse gas emissions expected from all of these proposed CLCPA-Related efforts, programs and projects.

Finally, the Joint Proposal continues to allow declining block rates for gas customers in SC 1, SC 2, SC 6-1A, and SC 6-1B (residential, non-residential, and commercial gas customers. The first block rate is increased from \$19.50 to \$22.00 for SC 1 and SC 6-1A and the differential between the second and third blocks will be set to equal in Rate Year 3.²¹⁶ For SC 2 and SC 6 1B, the first block rate is increased from \$30.00 to \$33.00 and Appendix 18 of the Joint Proposal indicates that the Company will "file a proposal in its next base rate case to continue the flattening of the block rate structure of these service classes."²¹⁷

²¹³ As the Climate Action Council notes in its Draft Scoping Plan (p. 120, n. 156), "The scope of RNG use is limited by available feedstocks and by the need to mitigate statewide emissions from all sectors (since under the Climate Act requirements for emissions accounting, RNG is a low-carbon fuel but it is not zero-emissions)."

²¹⁴ Joint Proposal, Appendix 20, pp. 2-3.

²¹⁵ Joint Proposal, Appendix 20, p. 2.

²¹⁶ Joint Proposal, Appendix 18, p. 3.

²¹⁷ Id.

Under a declining block rate structure, the unit cost of energy declines as more energy is used. In other words, the more electricity or gas used, the cheaper the energy cost to customers per kWh or Ccf, which can result in greater usage. As our 2011 Rate Order found with respect to O&R's declining block rates for electricity, this rate structure disincentivizes limiting energy usage.²¹⁸ In the 2011 Order, we directed the Company to develop a proposal for its next rate case that would phase out and eliminate declining block rates for electric customers in SC 2 and SC 3.²¹⁹

DPS Staff in these proceedings undertook efforts to move the Company in that direction by agreeing in the Joint Proposal to the elimination of the third block in Rate Year 3 for gas SC 1 and SC 6-1A, and by including the requirement that the Company propose in its next rate case a "continued flattening" of the block rate structure for SC 2 and SC 6-1B.²²⁰ We find that in doing so, DPS Staff has advanced important policy considerations consistent with the CLCPA.

²¹⁸ Case 10-E-0362, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service, Recommended Decision (issued April 4, 2011) (2011 Rate Order), pp. 139-140. The Recommended Decision underlying our 2011 Rate Order proposed that the Company and DPS Staff pursue a collaborative process to transition O&R to a "block-free rate structure." In briefs on exceptions, the Company and DPS Staff indicated that they had insufficient time to propose such a collaborative process, which resulted in the "gradual flattening" approach.

²¹⁹ Case 10-E-0362, supra, 2011 Rate Order, p. 91. More than a decade after our 2011 Rate Order, the Joint Proposal here (Appendix 17, pp. 3-4) continues O&R's electric customer declining block rates for SC 2, Secondary Demand Billed Service, after modifying it to eliminate the third block rate.

²²⁰ Joint Proposal, Appendix 18, p. 3.

In adopting the Joint Proposal, we are approving the continuation of the declining block rate structure. At the same time, we express the firm expectation that the Company, in its next gas rate filings, will propose the elimination of any remaining declining block rates for gas customers and foster the incentive to limit gas usage in a manner that avoids excessive bill impacts.

We find that the Joint Proposal is consistent with the CLCPA's emissions limitations and otherwise takes appropriate steps to mitigate any potential greenhouse gas emissions associated with the Company's operations. In finding the Joint Proposal to be consistent with the greenhouse gas limits established by the Department of Environmental Conservation, we take notice of the Company's efforts, along with the State's other utilities, to comply with the renewables mandates under the CLCPA, which will result in a broad reduction in greenhouse gas emissions associated with its customers' use of electricity.²²¹

G. Major Storm Cost Reserve/Revenue Adjustment Mechanism

The Joint Proposal includes as part of the Company's annual electric revenue requirements storm reserve funding of \$8.0 million in Rate Year 1, \$8.2 million in Rate Year 2, and

²²¹ See, e.g., Case 20-E-0197, Proceeding on Motion of the Commission to Implement Transmission Planning Pursuant to the Accelerated Renewable Energy Growth and Community Benefit Act, The Utilities' Coordinated Grid Planning Process and Revised Benefit Cost Analysis Proposals (filed December 17, 2021); Case 20-E-0197, supra, Petition of Niagara Mohawk Power Corporation d/b/a National Grid for Cost Recovery of Phase 1 Local Transmission Projects (filed November 8, 2021).

\$8.3 million in Rate Year 3.²²² To the extent that the Company incurs additional storm costs in excess of the annual reserve in any Rate Year, the Joint Proposal provides that the Company will defer on its books of account any excess amounts for future recovery from customers, subject to the limitations outlined below. If on the other hand, the Company incurs major storm costs that are less than the annual reserve amounts in any Rate Year, the Company will defer the unused reserve costs for the benefit of customers.

The Joint Proposal provides that major storm costs related to Pre-Staging and Mobilization, such as employee labor, transportation, meals, lodging and travel time, will be charged to the major storm reserve only as follows:

- Pre-Staging and Mobilization Costs up to \$100,000 per event will not be chargeable to the major storm reserve;
- Pre-Staging and Mobilization Costs in excess of \$100,000 may be charged to the major storm reserve, with a total cap of \$1.75 million per event; and

²²² Joint Proposal, Appendix 9, pp. 8-10; Appendix 6, p. 1. The Joint Proposal also includes in the Company's annual electric revenue requirement \$14.9 million in each Rate Year, reflecting a 5.4 year amortization period for previously incurred incremental major storm costs (net of insurance and other recoveries) which are in excess of collections for major storm reserve funding from customers. These costs were related to major storms, such as Winter Storm Toby (resolved in the 2019 Rate Order) and Tropical Storm Isaias.

- Up to 85 percent of Pre-Staging and Mobilization Costs in excess of \$1.75 million may be charged to the major storm reserve, and the Company is required to expense the remaining 15 percent of such costs in the year the costs are incurred.²²³

The Joint Proposal further provides that the Company may not charge the storm reserve for (1) any employee overtime for any work occurring more than 60 days following the date on which the Company is able to restore service to customers; and (2) stores handling, engineering, and other overheads costs.

All major storm costs are subject to Staff review and the storm must fall within the regulatory definition of a "major storm" if costs are to be charged to the reserve.²²⁴ The Company may charge to the major storm reserve costs incurred to obtain the assistance of contractors and/or utility companies providing assistance in storm response efforts, as well as Pre-Staging and Mobilization costs, such as incremental employee labor, transportation, meals, lodging, and travel time. Such costs must be incurred in reasonable anticipation that a storm will adversely affect the Company's electric operations and must meet the criteria in 16 NYCRR Part 97.

The Joint Proposal includes a Revenue Adjustment Mechanism (RAM) for actual major storm costs incurred that are

²²³ The Joint Proposal provides that the Company may file a petition with the Commission to defer the remaining 15 percent of such costs in excess of \$1.75 million, which shall be subject to the Commission's three-part test regarding deferral accounting treatment. Joint Proposal, Appendix 9, p. 9.

²²⁴ 16 NYCRR Part 97 (defining "major storm" to be a period of adverse weather during which service interruptions affect at least ten percent of customers within an operating area and/or that results in customers being without electric service for at least 24 hours and that exceeds \$200,000).

more than \$2 million above the reserve in any Rate Year.²²⁵ In that case, the Company may recover the variance between the reserve amount and the actual amount incurred, with a cap of 2.5 percent of annual delivery revenues. The Joint Proposal allows recovery of such costs through the variable ECA.

Discussion

We find the storm reserve amounts for each Rate Year to be reasonable, based on the record, and the limitations and cost recovery mechanism to be consistent with those we have approved in other rate cases. The Joint Proposal lacks an express reporting requirement for recovery under the ECA surcharge as recommended by DPS Staff in its testimony.²²⁶ Accordingly, we include this as an additional requirement. The Company is required to file with the Secretary as a compliance filing details of storm costs to be collected through the variable ECA, which shall be based on actual major storm costs incurred over the 12 months ending December 31 of each prior Rate Year. The filing shall be made 60 days before any new storm costs are recovered through the ECA and shall include the total storm costs incurred per major storm event, backup documentation to support such costs, and workpapers associated with the calculations used to determine the Company's proposed RAM component of the variable ECA by service classification.

H. Additional Electric Programs

The Joint Proposal provides funding for continuing existing electric programs, including REV Demonstration Projects, the Pomona (DRP) Substation Battery Non-Wires Alternative (NWA), the Managed Charging Program for electric vehicles, the Customer-Owned Street Light Program, and the

²²⁵ Joint Proposal, Appendix 9, p. 10.

²²⁶ Hearing Exhibit 223 (DPS Staff Rates Panel, Exhibit SRP-6).

Little Tor Substation Project. No party objected to the capital expenditures for these additional projects and programs, some of which were included in the revenue requirement and are subject to budget caps and reconciliation of actual costs pursuant to true up targets.

We find that each of the additional electric projects and programs are designed to reduce greenhouse gas emissions and reduce energy usage and therefore are consistent with the CLCPA's goals and the Commission's long-standing energy policy objectives. Accordingly, we find these provisions of the Joint Proposal to be in the public interest, subject to the modifications outlined below. They will be briefly outlined below in the context of the CLCPA and the Commission's policies.

1. REV Demonstration Project Costs

The Joint Proposal calls for O&R's continuation of various REV Demonstration Projects, with actual costs reconciled with the target levels provided in rates and in accordance with the existing reconciliation mechanism, amortized over ten years, subject to continuing reporting requirements.²²⁷ The Joint Proposal recognizes the \$10 million project budget cap described in the Commission's REV Track One Order,²²⁸ but preserves the Company's right to file a petition with the Commission if the budget cap is exceeded.

O&R has developed five REV Demonstration Projects, two

²²⁷ Joint Proposal, p. 26; Appendix 9, pp. 1-2, 10; Appendix 6.

²²⁸ Case 14-M-0101, Proceeding on Motion of the Commission in Regard to Reforming the Energy Vision, Order Adopting Regulatory Policy Framework and Implementation Plan (issued February 26, 2015), pp. 115-117 (permitting deferral until the next rate case of incremental REV demonstration project costs, net of tax and other benefits such as grants, revenues, third party contributions, but limited to 0.5 percent of the delivery service revenue requirement).

that have been completed (Customer Engagement and Marketplace Platform and Optimal Export), two that are ongoing (Innovative Storage Business Models and Smart Home Rates), and one that is still in development (Geothermal Neighborhood).²²⁹ The latter three non-completed projects will continue to be implemented and/or developed during the three-year Rate Plans provided in the Joint Proposal. The true up targets for the three ongoing Projects are \$2.59 million in 2022, \$3.28 million in 2023, and \$3.35 million in 2024.²³⁰

The Innovative Storage Business Models Project is a ten-year demonstration project being implemented by O&R and Sunrun, Inc., that involves a solar plus storage virtual power plant. The Project is intended to deploy 2.9 MW of rooftop solar and 2.1 MW/4.7 MWh) of leased distributed solar energy storage via Sunrun's "Brightbox" battery technology.²³¹ The Project uses aggregated collection of behind-the-meter solar energy plus storage systems and is targeting 300 customers in O&R's service territory. The Company claims in its testimony that the Project provides distribution benefits, backup power resiliency, and wholesale revenues. The Company concedes that the Project is not yet financially viable beyond its demonstration status, but it anticipates overall costs to decrease as the market matures. O&R also indicates in testimony that it foresees virtual power plants like Sunrun ultimately

²²⁹ Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), pp. 147-156.

²³⁰ Joint Proposal, Appendix 6 (REV Demonstration Project True-Up Targets are \$2.58 million for 2022; \$3.28 million for 2023; and \$3.35 million for 2024).

²³¹ Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), pp. 150-153. O&R filed an implementation plan in June 2020.

being authorized to participate in wholesale electric markets.²³²

O&R's Smart Home Rates demonstration project is a joint effort with affiliate Consolidated Edison designed to demonstrate alternative rate structures and price signals to customers in order to optimize value for both customers and the overall distribution system.²³³ Under the project, AMI customers may opt-in to Smart Home Rates and have access to smart home energy management technologies (such as a home smart thermostat) that allow price-responsive home energy management by limiting consumption and reducing peak load. The Company has enrolled approximately 550 customers in the Project, which has an end date of December 2023.

The Geothermal Neighborhood Project is a demonstration project that involves the Company installing and owning ground-source geothermal heat pumps and associated infrastructure across multi-unit, multi-family, residential low-to-moderate income areas.²³⁴ It is intended to foster customer adoption of geothermal heat pumps as a heating source. O&R explains in its testimony that there remain significant economic hurdles for customer adoption, but this Project is intended to provide a model for allocation of infrastructure costs and to explore customer outreach, utility investment, rate design, and recovery models, with a specific focus on disadvantaged customers. Project costs are estimated at \$1.8 million and there are additional public funding sources and incentives, such as the New York State Energy Research and Development Authority (NYSERDA) Clean Energy Fund and federal tax credits, that may be

²³² Id.

²³³ Id., pp. 153-154.

²³⁴ Id., pp. 155-157. The Company's testimony indicates that it intended to submit an initial project proposal for the Geothermal Neighborhood demonstration project in early 2021.

available to support the project.²³⁵

In its testimony, DPS Staff initially disagreed that the Geothermal Neighborhood Project was an appropriate REV Demonstration Project, questioning the funding of such by ratepayers, as well as O&R's ownership of the heat pump infrastructure in the context of the Track One Order. O&R responded in rebuttal testimony that it will continue to pursue additional funding sources for the Project's implementation.²³⁶

The Joint Proposal incorporates these Company efforts and the inclusion of the Geothermal Neighborhood Project represents a resolution of the issue between DPS Staff and the Company in favor of the Project going forward.²³⁷ As we have recognized in other rate cases, implementation of geothermal heat pumps is expected to result in reductions in natural gas usage and overall energy consumption.²³⁸

2. Pomona NWA

The Joint Proposal continues O&R's implementation, operation, and maintenance of the Pomona NWA, including the battery storage component. The Joint Proposal includes in the revenue requirement funding for battery storage vendor services, water line and fire hydrant maintenance, and communication

²³⁵ Id.

²³⁶ Hearing Exhibit 266 (O&R's Rebuttal Electric Infrastructure and Operations Panel), pp. 29-31. O&R indicated that it had filed a grant application with the U.S. Department of Energy and was planning to apply for a second grant from NYSERDA. In addition, the Company notes that DPS Staff was still assessing the Project.

²³⁷ Joint Proposal, p. 26; Appendix 9, p. 10-11; Appendix 6.

²³⁸ See, e.g., Cases 20-E-0380 and 20-G-0381, supra, Niagara Mohawk 2022 Rate Order, pp. 47-51, 85.

network fees.²³⁹ The 2015 Rate Order first approved the Pomona NWA, but did not authorize recovery of ongoing O&M costs for the battery storage system. Consequently, the Joint Proposal recommends approval of O&M costs for battery-related services, water infrastructure maintenance, and communications network fees at an annual cost of \$200,000 during 2022-2024.²⁴⁰ These O&M costs will be amortized and recovered from ratepayers over a ten-year period in the same manner as all other Pomona NWA Project-related costs. The ten-year amortization results in the inclusion of an additional \$20,000 cost recovery from ratepayers in each rate year covered by the Joint Proposal.

The Pomona NWA was first approved in the 2015 Rate Order and is a distributed energy resource (DER) and demand-side management (DSM) program combining a battery energy storage system with other programs, including the Small Business Direct Install and C&I Existing Buildings program, the Direct Load Control - Bring Your Own Thermostat program, and the Commercial System Relief and Distribution Load Relief program.²⁴¹ The Pomona NWA is intended to delay construction of a major substation and associated facilities and is currently in the

²³⁹ Joint Proposal, p. 26; Appendix 9, p. 11; Appendix 6 (True-Up Targets for 2022: \$4.11 million; 2023: \$3.81 million; and 2024: \$3.49 million); Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), pp. 144-147.

²⁴⁰ Joint Proposal, Appendix 3, p. 1; Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), p. 147; Hearing Exhibit 62 (O&R EIOP-2), p. 17.

²⁴¹ Case 14-E-0493, Proceeding on Motion of the Commission as to the Rates Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service, Order Adopting Terms of Joint Proposal and Establishing Electric Rate Plan (issued October 16, 2015) (2015 Rate Order). The Commission's 2015 Rate Order incentivized the Pomona DER Program, allowing O&R to recover through the Energy Cost Adjustment surcharge one basis point for each 0.1 MW of load reduction exceeding 3.0 MW, with a 50-basis point cap.

implementation phase.²⁴²

The Joint Proposal also contains rate base true up targets for the overall Pomona NWA of \$4.11 million in 2022, \$3.81 million in 2023, and \$3.50 million in 2024, which are the result of the ten-year amortization of battery-related O&M costs and are subject to the reconciliation mechanism outlined in the Joint Proposal.²⁴³ The Joint Proposal provides for total cost recovery for the Pomona NWA Project of \$1.86 million over the three-year electric Rate Plans.²⁴⁴

O&R indicates that it has achieved 4.1 MW of peak load reduction as a result of the Pomona NWA and the Project costs are within the Commission-established \$9.5 million budget cap.²⁴⁵ The 2015 Rate Order established the budget cap and authorized an incentive if O&R achieved a peak load reduction above 3 MW as a result of the Pomona NWA Project.²⁴⁶ The Joint Proposal provides for O&R's recovery of an incentive totaling \$30,140 for the 1.1 MW peak load reduction achieved above the established 3 MW threshold. The Joint Proposal provides that O&R will recover this incentive through its Earnings Cost Adjustment mechanism, which was also authorized in the 2015 Rate Order.

3. Electric Vehicle (EV) Charging Programs

The Joint Proposal provides for O&R's continued development of its Managed EV Charging Program but does not

²⁴² Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), pp. 144-147.

²⁴³ Joint Proposal, Appendix 6, Appendix 9, p. 11.

²⁴⁴ Joint Proposal, Appendix 3, p. 1.

²⁴⁵ Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), p. 145.

²⁴⁶ Case 14-E-0493, 2015 Rate Order, pp. 18-21.

authorize cost recovery in these proceedings.²⁴⁷ Cost recovery issues are therefore reserved for the Commission's generic EV Make-Ready Proceeding.²⁴⁸

In the Commission's generic EV Infrastructure Proceeding, it authorized O&R's proposed price-based, non-peak EV charging program (EV Charging Program), commencing in February 2021, and allowed recovery of annual program costs through an EV Make-Ready Surcharge.²⁴⁹ In that generic proceeding, O&R initially proposed a three-year EV Charging Program at a cost of \$800,000 beginning in 2021, which is designed to encourage EV charging during off-peak energy usage times in order to maintain system reliability. O&R's testimony in these proceedings now proposes a five-year EV Charging Program that will begin in 2022, with incentives available for

²⁴⁷ Joint Proposal, p. 26. In the Commission's generic EV Supply Equipment and Infrastructure proceeding (Case 18-E-0138), O&R submitted proposals for managing and implementing an EV charging program in its service territory that called for price-based management techniques to incentivize off-peak charging, including hardware and software technology to monitor location and time of charging and thereby motivate EV owners and operators to charge EVs during off-peak periods.

²⁴⁸ DPS Staff Statement in Support, pp. 48-49.

²⁴⁹ Case 18-E-0138, Proceeding on Motion of the Commission Regarding Electric Vehicle Supply Equipment and Infrastructure, Order Establishing Electric Vehicle Infrastructure Make-Ready Program and Other Programs (issued July 16, 2020) (EV Make-Ready Order), p. 78 (noting that existing rate plans do not account for EV-related costs; authorizing recovery through surcharge; and determining that in future rate filings, utility-owned make-ready work, including work related to future-proofing utility infrastructure, would be treated as capitalized plant-in-service with cost allocation and recovery via traditional ratemaking methodologies); Order Approving Tariff Amendments (issued November 18, 2021) (EV Cost Recovery Order), pp. 7-8 (authorizing on a permanent basis cost recovery of EV programs and implementation of EV surcharge).

the year of enrollment and for the following two years until 2026.²⁵⁰ Customer enrollment is limited to 100 customers per year through 2024, with a maximum of 300 enrolled vehicles.

O&R indicates that total EV Charging Program costs include the cost of setting up the data tracking system for participant's charging behavior and the license fees paid to the third-party vendor. O&R's testimony indicates that it will retain a third-party technology vendor to deploy cost-effective solutions and monitor the energy consumption of EV-charging customer participants.²⁵¹ O&R does not include the specifics of a cost effective EV program, but indicates that it "may include hardware solutions connected directly to the vehicle, or software-based solutions through the use of telematics, smart chargers, application programming interfaces ("APIs"), or AMI" to "track the location, time, and duration of charging."²⁵² O&R also indicates that it "will provide an enrollment bonus to incentivize participation and cover start-up costs associated with implementing the chosen solution (up to \$150 per vehicle)" and additional incentives of up to \$500 if a customer's charging

²⁵⁰ Joint Proposal, p. 26.

²⁵¹ Hearing Exhibit 60 (O&R Electric Infrastructure and Operations Panel), pp. 163-164. The third-party vendor is responsible for participant enrollment and onboarding; management of an online web-portal; quality control and fraud prevention; incentive payment processing and distribution; and development of dashboards and reports for the Company's review.

²⁵² Id., p. 163.

habits meet the program criteria.²⁵³ O&R does not seek recovery of the EV Charging Program costs in these rate proceedings and recovery is being addressed in the EV Infrastructure Proceeding, through the EV Make-Ready Surcharge.²⁵⁴

DPS Staff testified that O&R's EV Program appeared to be in accord with the Commission's EV Make-Ready Order, but did not opine on the Program's merits and noted that cost recovery issues should be addressed in the Commission's EV Infrastructure Proceeding.²⁵⁵

The issue of cost recovery for O&R's EV Charging Program is not a part of these rate proceedings. It is already required to implement this Program in the Commission's EV Infrastructure Proceeding. Consequently, we find that O&R is not providing any added value in agreeing in the Joint Proposal to continue its EV Charging Program. We nevertheless find this aspect of the Joint Proposal to be consistent with the CLCPA's emission reduction objectives and it is notable in light of the transportation sector's significant impact on greenhouse gas emissions, which O&R's Program is designed to address.

4. Customer-Owned Street Light Dimming Pilot

The Joint Proposal continues the implementation of O&R's customer-owned light-emitting diode (LED) street light

²⁵³ Id., pp. 163-164. The criteria and associated incentives include: (i) \$5.00 per month for active participation, including keeping the solution active and the EV charging in the service territory; (ii) \$0.10 per kWh of charging during off-peak hours (off-peak hours are defined as 12:00 a.m.-8:00 a.m. seven days a week); and (iii) \$20 per month from June to September for avoiding charging between 2:00 p.m. and 6:00 p.m. on weekdays.

²⁵⁴ Case 18-E-0138, supra, EV Cost Recovery Order, pp. 7-8.

²⁵⁵ Hearing Exhibit 131 (DPS Staff Clean Energy Panel), pp. 43-44.

dimming pilot project (Street Light Pilot).²⁵⁶

The Street Light Pilot was first approved in the 2019 Rate Order and provided for 25 street lights in two municipalities within SC 6 to be changed to LED dimmable street lights with "smart control nodes" or Network Lighting Control nodes (NLC nodes).²⁵⁷ The Street Light Pilot is being jointly administered by O&R and the New York Power Authority (NYPA), but implementation was delayed during the last rate term due to Covid-19 as well as procurement and logistical issues, according to NYPA.²⁵⁸

NYPA, in partnership with DPS and other State agencies, is leading a statewide Smart Street Lighting NY Initiative to convert 500,000 street lights to energy-saving LED technology by 2025. The O&R Street Light Pilot is part of this Initiative. The Initiative's overall objective is to advance energy efficiency improvements and adoption of such new technologies in municipalities. NYPA facilitates the Initiative by providing financing, educational, technical and acquisition assistance for municipalities, including obtaining LED street lighting systems from utilities and procuring competitive

²⁵⁶ Joint Proposal, pp. 31-32.

²⁵⁷ Cases 18-E-0067 and 18-G-0068, O&R - Rates, supra, 2019 Rate Order, pp. 99-100; 2019 Joint Proposal, pp. 50-51. The functionality of NLC nodes includes energy metering, monitoring, control, and data communications technology. As compared to traditional sensors, NLC nodes have photosensors that activate dimming and measure energy usage and cost savings, but are also "high quality electric meters" that record data in real-time and can be used for billing purposes. Under the terms of the Joint Proposal, they will not be utilized for billing under the Pilot. Hearing Exhibit 248 (NYPA Street Lighting Panel), p. 10.

²⁵⁸ Hearing Exhibit 248 (NYPA Street Lighting Panel), pp. 8-10. O&R also testified that the Pilot had not been implemented due to circumstances beyond NYPA's control. Hearing Exhibit 100 (O&R Electric Rate Panel), p. 9.

materials.²⁵⁹ NYPA is working with numerous municipalities across the State to implement the initiative and install LEDs on utility-owned street lights, or to assist municipalities in acquiring, owning, controlling, and implementing dimming LED street lights.

The Joint Proposal's requirement for O&R to file a tariff amendment furthers the objectives of PSL §70-a,²⁶⁰ and is consistent with the Commission's 2016 order that approved the process for O&R and other utilities to transfer of street lights to municipalities and governmental entities (2016 Street Light Transfer Order).²⁶¹ The Commission's 2016 Street Light Transfer Order envisioned tariff amendments that included a reasonable transfer facilitation process, rather than a complex and attenuated one.

The Joint Proposal essentially reiterates the terms of the Street Light Pilot approved in the 2019 Rate Order, with some modifications, and outlines the implementation measures O&R must take. The Joint Proposal requires O&R to file, within 90

²⁵⁹ Hearing Exhibit 248 (NYPA Street Lighting Testimony), pp. 2, 4-5, 8. In addition to street light acquisitions from New York utilities, NYPA works with municipalities to design LED conversions and dimmable street lights and thereby realize energy cost savings and extend their useful life. NYPA also performs construction management and on-going maintenance.

²⁶⁰ See PSL §70-a(4) (mandating that the Commission require utilities to have an effective tariff in place that facilitates the transfer of street lighting systems to municipalities and governmental entities in order to achieve both energy efficiency and cost savings).

²⁶¹ Case 15-E-0749, O&R, Tariff filings to Effectuate Amendments to Public Service Law - New §70-a (Transfer of Street Light Systems), Order Approving Tariff Amendments with Modifications (issued October 14, 2016), p. 28 (approving tariff changes for New York utilities, including O&R, and authorizing implementation of the new street lighting ownership transfer procedures required under PSL §70-a).

days of the Commission's adoption of the Joint Proposal, tariff changes to allow for the installation and prescriptive use of NLC nodes in customer-owned street lights.²⁶² O&R then must establish the technical requirements for installing NLC nodes on municipally-owned street lights. The NLC nodes will measure energy usage and record data and the Company will continue to measure usage with existing approved meters for billing purposes and to evaluate the accuracy and effectiveness of the NLC nodes.²⁶³

Prior to NLC node installation, the Joint Proposal requires O&R to undertake a technical and engineering review of all NLC node models, provide municipal customers with progress updates on that review every 45-days, and maintain a list of reviewed NLC models for customers, which is made available upon request. The Joint Proposal further requires O&R to host a "collaborative" with interested parties after 6-months of data collection, at which they will evaluate and discuss (1) the metering accuracy of the NLC nodes as compared to the Company's own meters; and (2) the methodologies that may be used to account for the reduced electric usage associated with municipally-owned dimming street lights and the impacts on SC 6 customer bills, similar to the provisions in the 2019 Rate Order.²⁶⁴ The Joint Proposal indicates that "if the evidence warrants," the parties may pursue a methodology to account for the reduced usage associated with dimming streetlights that could take effect during the Rate Plans.²⁶⁵

Notably, in these rate proceedings, O&R's filing did

²⁶² Joint Proposal, pp. 31-32.

²⁶³ Hearing Exhibit 248 (NYPA Street Lighting Panel), p. 8-10.

²⁶⁴ Case 18-E-0067, O&R - Rates, 2019 Rate Order, pp. 99-100; 2019 Joint Proposal, pp. 50-51.

²⁶⁵ Joint Proposal, p. 32.

not address the continuation of this Street Light Pilot that had been approved in the 2019 Rate Order.²⁶⁶ NYPA pressed the continuation of the Pilot and again proposed, as it had in testimony filed in the 2019 rate cases, the use of NLC system nodes with adaptive operating schedules.²⁶⁷ In its testimony in these rate cases, NYPA urges that this Pilot will allow customers to realize savings while the necessary NLC nodes are meter tested for certification purposes.²⁶⁸

NYPA's testimony asserts that the Street Light Pilot is intended to prove the accuracy of the NLC nodes, with energy consumption being monitored for six months to determine the devices' metering accuracy.²⁶⁹ NYPA concedes that the metering use of NLC nodes is still not a Commission-approved technology,²⁷⁰ but nevertheless asserts in support of the Joint Proposal that the NLC nodes approach for the Street Light Pilot is reasonable because it is based on a municipality's operating

²⁶⁶ O&R's filing did propose changes to lighting service classifications by adding LED street light fixtures and dusk-to-dawn luminaires in SCs 4-16; removing certain obsolete luminaires in SCs 4-16; and revising the watt ranges for LEDs. Hearing Exhibit 100 (O&R Electric Rates Panel), pp. 37-39. O&R also offers municipal lighting rebates. These proposals are not designed to promote customer-owned street lighting, however.

²⁶⁷ Hearing Exhibit 248 (NYPA Street Lighting Panel), pp. 12-14. NYPA proposed that customers could opt into one of four different adaptive operating schedules (0, 30, 50, and 70 percent), as measured by energy use between dusk and dawn. NYPA also proposed maximum flexibility in setting the schedules to allow municipalities to switch between schedules on a quarterly basis and to select customized schedules to enable dimming for a shorter time, for example, in a busy downtown area and a longer time in residential areas.

²⁶⁸ Hearing Exhibit 248 (NYPA Street Lighting Panel), p. 12.

²⁶⁹ Id., pp. 12-14.

²⁷⁰ Id., pp. 11-12.

and dimming schedule.²⁷¹

NYPA's testimony also noted that O&R's current tariff does not recognize lower rates for decreased energy usage resulting from street light dimming.²⁷² NYPA proposed that, after one-year of the Pilot's operations, O&R should host a technical conference to share the results and make recommendations, followed by a report to the Commission to allow for stakeholder engagement.²⁷³

In rebuttal testimony, O&R rejected NYPA's position and questioned the benefits of the NLC nodes, their metering accuracy, and the use of adaptive schedules.²⁷⁴ O&R asserted that until the Street Light Pilot is completed and the results verified, the use of NLC nodes should not be considered. O&R also pointed to multiple standards and requirements that must be reviewed in order to determine if NLC nodes are acceptable for billing purposes. O&R also challenged NYPA's failure to present a cost/benefit analysis to support the asserted cost savings to municipalities and took issue with the "unduly burdensome" tasks in providing such a level of service to municipalities purchasing street lights, which the Company claimed would be subsidized by other customers.²⁷⁵

In its Statement in Support, DPS Staff noted that, although the Commission has not approved the NLC node system for metering use in New York, the technology has been used by a

²⁷¹ NYPA Statement in Support, p. 5.

²⁷² Hearing Exhibit 248 (NYPA Street Lighting Panel), pp. 10-11.

²⁷³ Id., pp. 13-14.

²⁷⁴ Hearing Exhibit 266 (O&R Rebuttal Electric Infrastructure and Operations Panel), pp. 15-21. O&R also questioned NYPA's proposed adaptive schedules and recommended "maximum flexibility" in setting schedules.

²⁷⁵ Id.

California utility and NYPA proposes adaptive dimming schedules from which municipal customers can choose.²⁷⁶ DPS Staff also noted that the Joint Proposal addresses O&R's concerns about the NLC nodes by requiring technical requirements to be established and met before installation. DPS Staff concludes that these provisions of the Joint Proposal provide a path forward to reduce energy consumption and greenhouse gas emissions, while not impacting lighting quality and public safety.

The Joint Proposal represents a negotiated resolution of the positions advanced by DPS Staff, O&R, and NYPA. We find that the parameters for the Street Light Pilot properly balance NYPA's desire to allow municipalities to implement energy and cost savings lighting measures and operational efficiencies with the Company's responsibilities to assure accurate metering and facilitate customer-owned street lights. The Pilot is sized so that information is obtained without causing substantial rate disruption.

The Joint Proposal's terms address DPS Staff's initial concerns by requiring O&R to separately meter each street light and record actual usage, thereby eliminating any use of the NLC nodes as metering devices for billing purposes. DPS Staff states that the Pilot, as designed, will provide information on the accuracy of the NLC nodes, and whether the nodes can deliver energy efficiency and economic benefits. Finally, we find that this Pilot is consistent with recent Commission decisions related to other investor-owned street lighting tariffs with

²⁷⁶ DPS Statement in Support, pp. 55-56.

respect to NLC nodes and adaptive lighting schedules.²⁷⁷

We find that the Joint Proposal's terms regarding the Pilot warrant clarification for consistency with similar programs. O&R's technical and engineering review of all NLC node system models should be subject to DPS Staff input and oversight in order to effectively manage and oversee implementation of the Pilot, to monitor for consistency with other NLC node uses throughout the State, and to determine potential impacts on customer billing in O&R's service territory. As part of the progress updates the Company is required to provide every 45 days, and before finalizing the NLC node models eligibility list, O&R is required to provide DPS Staff, on notice to NYPA and other interested parties, a summary of the technical and engineering review of the NLC node models evaluated, including (1) identification of the models; (2) the criteria used in approving or disapproving each reviewed model and the decision-modeling applied; and (3) key findings resulting from the review. Staff and interested parties will have 30 days to review this information and provide feedback prior to O&R including an NLC node model on the eligibility list.

²⁷⁷ See Cases 20-E-0380 and 20-G-0381, supra, Niagara Mohawk 2022 Rate Order, Joint Proposal, Appendix 2; Cases 20-E-0428 and 20-G-0429, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Central Hudson Gas & Electric Corporation for Electric and Gas Service, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plans (issued November 18, 2021), pp. 52-54; Cases 19-E-0378, 19-G-0379, 19-E-0380, and 19-G-0381, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of New York State Electric & Gas Corporation and Rochester Gas and Electric Corporation for Electric and Gas Service, Order Approving Electric and Gas Rate Plans in Accord With Joint Proposal, With Modifications (issued November 19, 2021), p. 91; Joint Proposal, pp. 35, 65; Appendix N.

O&R is required to sponsor a technical conference after monitoring the results of the technical conference Niagara Mohawk Power Corporation is sponsoring on node model eligibility and other associated issues. O&R is further required to schedule and hold the technical conference 12-months prior to its next rate case filing. In conducting the technical conference, O&R must include the following objectives: streamlining engineering review; developing pre-approvals for standards; limiting field investigations, survey review, and design review of similarly situated Smart City attachments in previously approved locations; identifying optimal locations for attachments; developing a catalog of pre-approved attachments; and identifying the specific criteria and analysis required for each device. O&R is required to use the information gained during the technical conference to prepare a Street Light Replacement Cost Study for filing as part of its next rate case, which must address costs and efficiencies to be realized through a more widespread implementation of municipal street lighting efforts.

In addition, the referenced "collaborative" that O&R will conduct to review the results of the Pilot lacks sufficient details, including a structure and timeline to assure meaningful stakeholder involvement, next steps for Pilot implementation and adaptive scheduling, and facilitation of a more widespread adoption of customer-owned dimmable street lights, if appropriate. O&R must consult with DPS Staff, NYPA, and other interested stakeholders and submit a written plan to the Secretary within 120 days of the date of this Order outlining the collaborative process that will be undertaken (Collaborative Plan). In consulting with DPS Staff, NYPA, and other interested stakeholders, O&R shall, at a minimum, provide each with a draft Collaborative Plan and an opportunity to provide comments prior

to O&R's submission of the final Collaborative Plan to the Secretary.

The Collaborative Plan must: provide that all data generated during the Pilot will be made available to interested parties; include a collaborative meeting within 30 days of the end of the Pilot's six-month duration, at which time the data and any other relevant source material may be reviewed and discussed; provide for timely stakeholder input; and require submission to the Commission of recommendations, by consensus or through separate submissions by parties, within 90 days of the close of the collaborative meeting. In addition, O&R shall include in the Collaborative Plan a schedule for the parties' consideration of methodologies to account for reduced usage and the submission of final recommendations to the Commission, by consensus or through separate submissions by the parties. During implementation of the Collaborative Plan, O&R is required to include in the progress reports filed with the Secretary every 45 days (as discussed above) the status and results of the technical conference and the collaborative meeting efforts.

One point of clarification. We take issue with the Joint Proposal's provision that indicates "if the evidence warrants," O&R and other parties "may pursue a methodology to account for the reduced usage associated with dimming street lights that could take effect during the Rate Plan."²⁷⁸ This language lacks definitive criteria and is not designed to put interested parties on notice about the next steps O&R may take. It also appears to leave O&R with the sole discretion to determine whether the evidence warrants establishing a methodology to account for reduced usage and what that methodology may be. The determination to pursue a methodology

²⁷⁸ Joint Proposal, p. 32.

to account for reduced usage should be made in consultation with DPS Staff and interested parties. We therefore require such a consultation and the Company shall file the results of same with the Secretary as part of its 45-day progress reports, on notice to all participating parties.

The NLC node system technology has not yet been found to meet the technical requirements for metering set forth in 16 NYCRR Part 93 and consequently has not been approved by the Commission for billing purposes.²⁷⁹ To be approved, a utility must sponsor the subject device and demonstrate an intention to use it upon Commission approval. The utility must also agree to implement a program with the device that produces energy efficiency and economic benefits and provide a basis for the testing needed to satisfy the Commission's regulations.

The Joint Proposal does not set forth a process to demonstrate the NLC system's compliance with the regulatory requirements of 16 NYCRR Part 93 or expressly recognize the need for Commission's approval of the technology. In adopting these provisions of the Joint Proposal, nothing in this Order is intended to circumvent the petitioning requirements for Commission approval of the NLC node system technology for metering purposes pursuant to 16 NYCRR Part 93.

I. Additional Gas Programs

The Joint Proposal includes several gas programs and pilots that the Company will implement or advance during the three-year gas Rate Plan, including NPAs, Renewable Gas

²⁷⁹ See 16 NYCRR §93.2, which defines "acceptable meters" for billing purposes to include only types of meters which have been approved by the Commission and provides that the Commission "may approve or reject a type of meter or metering system on the basis of tests required by these rules or such tests as the commission staff may direct."

Standards, Gas Interruptible Rates, Millennium Back-Feed Project, Pipeline Emergency Responders Initiative, Meter Relocation, Certified Gas, Refrigerant Management Initiative, and AMI Natural Gas Detectors. Each of these are addressed below.

1. AMI-Enabled Natural Gas Detectors

The Joint Proposal reflects O&R's agreement to install approximately 15,400 AMI-enabled natural gas detectors (AMI NGDs) over the three-year term of these Rate Plans.²⁸⁰ The AMI NGDs would be installed at the service line entry point on a customer's property and provide continuous monitoring of methane leaks and report leaks to O&R's centralized Gas Emergency Response Center.²⁸¹ The Company will target customers within business districts where there is the potential for larger numbers of people to be present.²⁸²

O&R originally sought to install only 1,400 AMI NGDs and submitted a program summary estimating a cost of \$450 per meter to purchase, install and activate them, with an estimated total capital expenditure of \$630,000.²⁸³ The Joint Proposal significantly increases the number of installed AMI NGDs to 15,400. Assuming the same per meter cost to purchase, install and activate, this would increase the estimated total capital costs.

O&R asserts that it can respond to alarms from the AMI

²⁸⁰ Joint Proposal, pp. 26-27.

²⁸¹ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 41-42.

²⁸² Hearing Exhibit 196 (DPS Gas Safety Panel), pp. 57-58.

²⁸³ Hearing Exhibits 66, 67 (O&R Gas Infrastructure and Operations Panel Exhibit GIOP-1), pp. 35-37. The AMI units have a 6-year sensor and battery life that will need to be replaced.

NGD detectors quickly even if a customer is not aware of the methane leak or build up. O&R is currently implementing an AMI NGD pilot program and, along with DPS Staff, recommends expanding the program.²⁸⁴ In its testimony, DPS Staff supported the program, but recommended that O&R be required to file an annual report including the information that is outlined in the Joint Proposal.²⁸⁵ The Company agreed to this additional requirement.²⁸⁶

The Joint Proposal requires the Company to file an annual report within 90 days of the close of each rate year that, at a minimum, contains: the number of AMI NGDs installed during the year and to-date; the installation costs during the rate year and to-date; the number of alarms received from the detectors by the Company's control center during the rate year; and the activities taken by the Company in response to each alarm received.²⁸⁷

It is unclear from the record the total amount of capital costs that may be incurred as a result of the increase of installed AMI detectors from 1,400 (as O&R initially proposed) to 15,400, as agreed in the Joint Proposal. Consequently, as part of O&R's annual report, we require the Company to provide updated estimates of the total cost of installing the 15,400 AMI NGDs, an explanation of how such cost was determined, and the efforts taken to reduce the overall cost. With this additional reporting requirement, we find that the expansion of this pilot program is sound and beneficial to customers. It increases customer and employee safety, fosters

²⁸⁴ Id.

²⁸⁵ Hearing Exhibit 196 (DPS Staff Gas Safety Panel), p. 58.

²⁸⁶ Hearing Exhibit 327 (O&R Rebuttal Gas Infrastructure and Operations Panel), pp. 34-35.

²⁸⁷ Joint Proposal, pp. 26-27.

prompt emergency response, reduces emissions, and mitigates the risks associated with a natural gas leak and accumulation within a structure, including explosions or fires.

2. Review of Gas Interruptible Rates

The Joint Proposal requires the Company to examine the current interruptible discount and recommend adjustment in its next rate case, but only if the Company's analysis supports it.²⁸⁸ DPS Staff agreed with O&R's proposal to continue the discount because it mitigates infrastructure investment costs for some demand-response customers and elimination would force the Company to serve these customers on peak winter days.²⁸⁹ But DPS Staff also proposed the review of the discount for a reason, namely, to determine whether it is reasonable and relevant.

We find that the Company alone should not determine whether to recommend an adjustment to the discount in the next rate case "if its analysis supports it." That analysis and the resulting recommendation should be done in coordination with DPS Staff, and it should be completed prior to the Company's next rate case filing, so that the results may be submitted in those cases, if appropriate.

3. Non-Pipes Alternatives

The Joint Proposal provides that O&R will "explore NPAs" for farm taps (or extra-high pressure customer service

²⁸⁸ Joint Proposal, p. 27.

²⁸⁹ Hearing Exhibit 202 (DPS Staff Gas Reliability Panel), pp. 17-18.

lines), leak prone pipe (LPP), and other projects.²⁹⁰ The Company states that it will remove all of the remaining farm taps by 2024, connecting them to a distribution main, for a capital expenditure of \$1.2 million. The Company notes that many of the leaks on its system are related to farm tap service lines.²⁹¹ The Company also will continue efforts to evaluate and implement applicable aspects of the NPA Framework filed by its affiliate, Consolidated Edison. If the Commission has not approved that NPA Framework as a part of the Gas Planning Proceeding, O&R will file a petition for approval of the Framework within 45 days after the end of Rate Year 1.²⁹² The NPA Framework will be used to identify capital projects for NPA consideration, resource requirements, a cost recovery mechanism, and include suitability criteria, timing, cost thresholds, and a reporting schedule.

We find that the Company's commitment to continue farm tap removal and to complete removal during the three-year Rate Plans is reasonable because it promotes pipeline safety and eliminates identified methane leaks, resulting in emission reductions consistent with the CLCPA. We also note the Joint Proposal's requirement for the Company to continue to explore other NPAs is designed to result in reduced infrastructure costs and potentially lower greenhouse gas emissions.

²⁹⁰ Joint Proposal, pp. 27-28. Farm tap customers' lines are fed from a transmission (rather than distribution) main pipeline operating at 250 pounds per square inch gauge (psig) and represent a safety risk, particularly when in close proximity to structures. Hearing Exhibits 66 and 67/68 (O&R Gas Infrastructure and Operations Panel), pp. 36-37 and (GIOP-1 White Paper), pp. 25-29. Since 2012, O&R has had a program to eliminate farm taps. According to DPS Staff's testimony, the Company has 30 farm taps left to eliminate. Hearing Exhibit 202 (DPS Staff Gas Reliability Panel), pp. 20-21.

²⁹¹ Hearing Exhibit 67, 68 (GIOP-1 White Paper), p. 28.

²⁹² Joint Proposal, pp. 27-28.

4. Renewable Gas Standards

The Joint Proposal provides that, to the extent that the Commission does not provide clear guidance regarding treatment of renewable natural gas (RNG) in the Gas Planning Proceeding, O&R is required to submit a renewable natural gas plan (RNG Plan) to "explore what specifically would be required to bring those sources of energy to O&R customers."²⁹³ The Joint Proposal further provides that, within six months of the Commission's Order in these proceedings or the Commission's action in the Gas Planning Proceeding, whichever is sooner, it will file an RNG Plan with the Secretary.

The 2019 Rate Order approved Joint Proposal provisions that required O&R to develop and evaluate a potential list of RNG sources and providers within the Company's service territory, to determine whether opportunities exist for providing RNG to customers.²⁹⁴ In the 2019 Rate Order, the Commission noted that the "intended result of this evaluation is that the Company will add a renewable gas interconnection standard to its O&M procedures, including any necessary

²⁹³ Joint Proposal, p. 28. See Case 20-G-0131, supra, Gas Planning Proceeding, Order Instituting Proceeding, p. 2 (providing that gas utilities must "adopt improved planning and operational practices that enable them to meet current customer needs and expectations in a transparent and equitable way while minimizing infrastructure investments and maintaining safe and reliable service" and "be conducted in a manner consistent with the recently enacted Climate Leadership and Community Protection Act (CLCPA).")

²⁹⁴ Cases 18-E-0067 and 18-G-0068, supra, 2019 Rate Order, pp. 97-98; see also Case 99-G-1369, Petition of New York Gas Group for Permission to Establish a Voluntary State Funding Mechanism to Support Medium and Long Term Research and Development (R&D) Programs, Order Concerning Permission to Establish a Voluntary State Funding Mechanism to Support Medium and Long Term Gas Research and Development (issued February 14, 2000).

interconnection fees, allowing it to take advantage of renewable gas supplies in its service territory.”²⁹⁵ The 2019 Rate Order also required O&R to determine the benefits and costs of integrating potential RNG supply sources into the Company’s system.

As a result of this requirement in the 2019 Rate Order, O&R submitted a “Renewable Gas Analysis Report” (RNG Analysis Report) that assessed and identified regional RNG potential, estimated production costs and greenhouse gas emissions potential of possible feedstocks, summarized key market and policy drivers affecting RNG development in New York State, identified potential RNG sources, and set forth several conclusions and recommendations.²⁹⁶ The RNG Analysis Report concluded that “O&R is preparing to integrate RNG into its gas distribution system” and recommended specific kinds of supply sources that are available within and outside of its service territory.²⁹⁷

It is unclear from this record what specific next steps O&R will take to explore the measures necessary to bring RNG to its customers in furtherance of the intent of the 2019 Rate Order and consistent with O&R’s RNG Analysis Report. In its testimony, O&R indicates that it supports efforts by

²⁹⁵ Cases 18-E-0067 and 18-G-0068, supra, 2019 Rate Order, pp. 97-98.

²⁹⁶ Id., DMM Item No. 176, Navigant “Renewable Gas Analysis Report” (filed March 16, 2020) (RNG Analysis Report).

²⁹⁷ Id., pp. 26-28 (RNG Analysis Report, Conclusions and Recommendations).

developers in its service territory to pursue RNG,²⁹⁸ but does not propose any efforts itself. In response to a DPS Staff discovery request, O&R discusses the results of its RNG Analysis Report, noting that it has developed RNG interconnection standards, in conjunction with affiliate Consolidated Edison, and has incorporated them into its Gas Transportation Operating Procedures (GTOP) document. O&R's response further indicates that it "does not currently have a specific plan regarding RNG and has no associated budget or schedule."²⁹⁹

DPS Staff's testimony discusses the policy goals of the Gas Planning Proceeding and the need for alternatives to traditional gas infrastructure investment, including RNG investments.³⁰⁰ DPS Staff notes that, although O&R asserts that its proposed infrastructure investments will position it to better deliver RNG to customers, "[i]t is unclear how these general improvements to the distribution system would allow O&R to integrate RNG into its supply portfolio."³⁰¹ DPS Staff's testimony recommends that O&R be required to formulate a plan to provide RNG to customers and to submit a report that includes the details of the plan.³⁰² In its Statement in Support, DPS

²⁹⁸ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 12-13, 19-20. O&R also testifies that it will "continue active participation" in the Gas Planning Proceeding and is committed to monitoring the viability and supporting the adoption of RNG, and that its system will be prepared to deliver RNG should projects interconnect to the Company's distribution system.

²⁹⁹ Hearing Exhibit 195 (DPS Staff Gas Reliability Panel Exhibit, SRGP-1, DPS IR-32-577), pp. 4-5.

³⁰⁰ Hearing Exhibit 194 (DPS Staff Gas Reliability Panel), pp.

³⁰¹ Id., p. 23.

³⁰² Hearing Exhibit 194 (DPS Staff Gas Reliability Panel), pp. 23-24. DPS Staff also recommended that RNG should be considered an NPA in constrained areas.

Staff indicates that RNG has both environmental and reliability benefits and that O&R has committed to submit a plan regarding how it plans to integrate RNG into its system.³⁰³

We find that this provision of the Joint Proposal lacks the details and expected results necessary for a useful RNG Plan. Instead, it provides for "continued exploration of RNG."³⁰⁴ As such, this provision of the Joint Proposal does not appear to further the original intent of the 2019 Rate Order to create a path for RNG implementation in O&R's distribution system and continued exploration of RNG as an energy supply source does not appear to be warranted. O&R has already explored RNG in its RNG Analysis Report and has found a viable RNG resource available. The Commission may provide further direction on this issue in the Gas Planning Proceeding, but RNG is only a subset of the broader purposes of that Proceeding and additional delay while the Commission considers broader action is also not warranted.

Notably, the Company's filings as part of the Joint Local Distribution Companies coalition in the Gas Planning Proceeding express strong support for the development and deployment of RNG resources, as long as incentives and earnings adjustments are made available for reduced carbon gas

³⁰³ DPS Staff Statement in Support, pp. 50-51.

³⁰⁴ Joint Proposal, p. 28.

supplies.³⁰⁵ Furthermore, the CAC Scoping Plan indicates a future role for RNG and biogas, although the extent of that role may be limited.³⁰⁶

Thus, we require that O&R develop and file with the Secretary an RNG Implementation Plan, consistent with its RNG Analysis Report, within 180 days of the Commission's issuance of this Order. The RNG Implementation Plan must be developed in consultation with DPS Staff and must outline the specific measures necessary to develop RNG sources with the objective of serving O&R customers, including identifying available and feasible RNG sources, establishing necessary interconnection fees, proposing a timeline for construction of appropriate infrastructure for potential RNG development, deployment, and integration of RNG sources into its transmission and distribution system.

5. Pipeline Emergency Responders Initiative (PERI)

The Joint Proposal calls for the continuation of O&R's training efforts for first responders and fire departments, with participation incentives and annual progress reports to the

³⁰⁵ Case 20-G-0131, Gas Planning Proceeding, Joint Local Distribution Companies' Comments in Response to the Department of Public Service Staff's Natural Gas Planning Process and Moratorium Management Proposals (filed May 3, 2021), p. 14 (citing December 2019 ICF/American Gas Foundation Study, "Renewable Sources of Natural Gas: Supply and Emissions Reduction Assessment"); June 4, 2021 Reply Comments, p. 3, n. 15; pp. 10-12, 17 (noting that the CLCPA's objectives require consideration of all energy resources and "LDCs should, therefore, be unrestricted from pursuing the use of low-carbon resources such as RNG" and RNG should be a significant contributor to decarbonization).

³⁰⁶ CAC Scoping Plan, supra, p. 245 (favoring "on-site use of biogas captured from waste management and that no significant new transmission infrastructure should be allowed to support additional biogas").

Commission.³⁰⁷ The training includes preventing, managing and responding to gas incidents and operating specific field devices to reduce response time and the potential for errors. The Joint Proposal also requires the Company's adoption of the PERI principles, which are intended to advance first responders' abilities to manage gas emergencies by improved training, cooperation, and communication.³⁰⁸ The PERI principles include improved communication among pipeline operators, emergency responders, and other stakeholders; consolidation of existing pipeline emergency response efforts; consistency of training materials; improved emergency response time; and improved media and public relations efforts.

We find this provision of the Joint Proposal to be within the range of a likely litigated outcome, particularly since O&R initially disagreed with the reporting requirement and the adoption of PERI principles that DPS Staff proposed in its testimony.³⁰⁹ This provision will further gas safety and benefit customers in O&R's service territory.

6. Millennium Back Feed Project

The Joint Proposal requires O&R to expedite efforts to reach an agreement with Millennium Pipeline for the construction of a new interconnection at a preliminary cost of \$5.0 million to serve as a second gas feed to an area with a single feed.³¹⁰ The Joint Proposal requires O&R to file periodic updates on the

³⁰⁷ Joint Proposal, pp. 28-29. The annual PERI progress reports are required to be filed with the Secretary no later than 90 days following the close of each calendar year, beginning at the close of Rate Year 1.

³⁰⁸ Joint Proposal, pp. 28-29.

³⁰⁹ DPS Statement in Support, p. 51; Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 35-36; Hearing Exhibit 196 (DPS Staff Gas Safety Panel), pp. 59-61.

³¹⁰ Joint Proposal, p. 29.

status of this Project and meet quarterly with DPS Staff.

O&R's testimony indicates that approximately 45,000 Orange County customers are directly fed natural gas from gate stations connected to the Millennium Pipeline and would be impacted and risk losing service if there was an upstream pipeline interruption due to, for example, pipeline damage, equipment failure, or supply constraints.³¹¹ This Project requires both Millennium Pipeline's and the Algonquin Pipeline's agreement, but O&R has had only preliminary discussions with Millennium. The equipment needed for the Project would be owned and operated by Millennium or Algonquin, but the back feed portion would be funded by ratepayers.³¹² O&R's Statement in Support indicates that the Project "will re-establish an important operational mechanism to enhance service reliability."³¹³

DPS Staff's testimony was supportive of the Project, but expressed concern about the slow progress of the Back-Feed Project in light of O&R's assertion of reliability concerns.³¹⁴ DPS Staff also indicated that the \$5 million cost estimate for the Project was preliminary and should be updated once O&R has the appropriate agreements in place to proceed with construction.

It appears that the Millennium Back-Feed Project will address reliability concerns and add needed redundancy in the area, but will not result in expanded gas service to new

³¹¹ Hearing Exhibit 66 (O&R Gas Infrastructure and Operations Panel), pp. 51-53. O&R testified that once interrupted, service restoration could take days or weeks, depending on the interruption.

³¹² Id., p. 53.

³¹³ O&R Statement in Support, p. 28.

³¹⁴ Hearing Exhibit 194 (DPS Staff Gas Reliability Panel), pp. 8-9.

customers and potential increases to greenhouse gas emissions. Consistent with DPS Staff's recommendation, prior to construction of the Project, O&R is required to submit updated cost estimates for the Project in light of the preliminary nature of the \$5.0 million estimate the Company provided in these proceedings.³¹⁵

7. Relocating Indoor Meters

Consistent with DPS Staff's recommendation in its testimony, the Joint Proposal calls for O&R to relocate gas meters outside when it performs service line replacements, installs new services, or when the work otherwise can be feasibly performed.³¹⁶ It also provides for customers refusing the relocation to be subject to inspection charges and sign acknowledgment of the charges. O&R is required to document the difficulty, limitations, and/or costs associated with relocating meters to outside locations and, in its next rate filing, to address the documented circumstances, including meters that may be too costly to relocate.

As DPS Staff notes in its Statement in Support, relocating meters to outside locations is inherently safer and allows emergency responders to immediately shut off the flow of gas or perform an inspection, without having to enter a building or locate a curb valve in the event of a gas incident.³¹⁷ We agree and we find this provision of the Joint Proposal to address important safety considerations for the benefit of both customers and the Company.

³¹⁵ Hearing Exhibit 194 (DPS Staff Gas Reliability Panel), p. 10.

³¹⁶ Joint Proposal, p. 29; Hearing Exhibit (DPS Staff Gas Reliability Panel), pp. 65-69.

³¹⁷ DPS Statement in Support, p. 52.

8. Certified Gas Purchases Pilot

The Joint Proposal authorizes the Company to establish a new pilot program whereby it may purchase "certified natural gas" (CNG Pilot) that meets certain guidelines and protocols designed to reduce methane emissions for use in its distribution system.³¹⁸ The Joint Proposal indicates that the CNG Pilot may start as early as the winter of 2022-2023 and annual expenditures may not exceed \$100,000 for commodity costs.

The Joint Proposal requires the Company to file an annual report beginning in May 2023 that (1) calculates the greenhouse gas emissions reductions realized from the certified gas source as compared to traditional natural gas; (2) outlines additional costs to customers and savings to customers if emissions penalties would have been assessed; (3) contains third party provider certification reports, including "items evaluated about the Pilot;" (4) identifies the volume of CNG purchased; (5) recites reliability issues encountered as a result of additional production equipment or processes; and (6) recommends future changes and/or lessons learned from the CNG Pilot for future consideration.³¹⁹ The Company is also required to meet with DPS Staff annually to discuss data and information gained during the CNG Pilot and to determine whether it should continue or be terminated.

O&R's Statement in Support clarifies that the Pilot will be conducted jointly with affiliate Consolidated Edison and that it may be modified by filing a petition with the Commission.³²⁰ DPS Staff indicates in its Statement in Support that, although the CNG Pilot was not addressed in testimony, it

³¹⁸ Joint Proposal, pp. 29-30.

³¹⁹ Id., p. 30.

³²⁰ O&R Statement in Support, p. 29.

is reasonable because "it directly improves emissions from procurement of natural gas and also limits negative cost implications on customers."³²¹

The CNG Pilot appears to have the potential to reduce the Company's emissions, although the emissions associated with CNG as compared to traditional natural gas should be identified. The Company therefore is directed to submit a certification by an independent third-party expert verifying the quantifiable reduced greenhouse gas emissions potential for certified gas as compared to traditional natural gas sources. In addition, the criteria, guidelines, and production protocols that are designed to make CNG a reduced emissions fuel source should be disclosed. We also require the CNG Pilot to commence in the winter of 2022-2023 so that DPS Staff and the Company may evaluate whether it actually results in quantifiable greenhouse gas emissions reductions. We approve the CNG Pilot subject to these additional requirements.

9. Refrigerant Management Initiative

The Joint Proposal requires the Company to evaluate whether to incorporate a Refrigerant Management Initiative into its energy efficiency program during Rate Year 1, including an assessment of the Initiative's suitability, costs, and greenhouse gas emissions reductions.³²² The evaluation will include a benefit-cost analysis under the Commission-approved framework. The Company will integrate the Initiative into its energy efficiency program in Rate Year 2, depending on the results of the evaluation.

DPS Staff notes that it did not file testimony about

³²¹ DPS Staff Statement in Support, p. 53. DPS Staff does not provide record support for improved emissions and limitations on negative cost implications.

³²² Joint Proposal, p. 31.

the Refrigerant Management Initiative, nor did the Company, but further notes that the testimony of intervenor and Joint Proposal signatory, NYCRM, addressed the energy and emission reduction benefits of such a program.³²³ In its testimony, NYCRM's expert noted that hydrofluorocarbon refrigerants used in commercial and industrial building refrigeration systems are "super" greenhouse gas emitters that have an outsized environmentally deleterious effect on climate change because of their chemical composition and because they frequently leak from refrigeration systems into the atmosphere.³²⁴ NYCRM's testimony recited data and information indicating that refrigeration management is a recognized strategy to result in both energy savings and emissions reductions and that such a program is a significant opportunity for O&R to meet mandated electric efficiency requirements. NYCRM's Statement in Support urges that it is in the public interest for O&R to calculate the greenhouse gas emissions impacts from its operations and adopt the best measures to lower emissions, while providing safe and reliable service to customers.³²⁵

The Joint Proposal appears to leave solely to O&R the decision regarding whether or not to integrate the Refrigerant Management Initiative into the Company's energy efficiency program. It does not provide for DPS Staff's involvement in the Company's evaluation, decision-making, or integration process. Consequently, we require the Company to consult with DPS Staff in conducting the Initiative's benefit-cost analysis and in

³²³ DPS Staff Statement in Support, pp. 54-55.

³²⁴ Hearing Exhibit 246 (NYCRM Witness Ali White), pp. 2-3, 5-12. NYCRM's testimony indicated that New York continues to allow use of hydrofluorocarbon refrigerants in existing equipment and thus measures to address emissions are necessary.

³²⁵ NYCRM Statement in Support, p. 1 (filed November 19, 2021).

evaluating its suitability, overall costs, emissions reductions, and efficient integration into the existing energy efficiency program. This consultation shall be on notice to NYCRM and all interested parties and an opportunity to participate provided.

J. Customer Service

The Joint Proposal continues several of the Company's existing programs, including its Outreach and Education program, same-day electric service reconnections, and digital customer experience (DCX), but also implements additional customer programs such as a customer relationship management system, customer protections during excessive cold and heat, written confirmation of unsigned payment agreements, and an electric reconnection fee waiver.³²⁶ Notably, the Company will forego collection of PRAs associated with terminations during the Covid-19 pandemic in 2020 and 2021. Each of these terms of the Joint Proposal will be briefly summarized below.

1. Outreach and Education. The Joint Proposal establishes an annual date of April 1 on which O&R is required to file its updated Outreach and Education Plan.³²⁷ This is the same date that other utilities must file their respective plans in the Commission's generic Utility Outreach and Education Plans proceeding.³²⁸ As DPS Staff asserts in its Statement in Support, a robust outreach and education program is "a vehicle to disseminate important and timely information to customers."³²⁹

2. Same-Day Electric Service Reconnections. The Joint Proposal provides that the Company will attempt to achieve 100

³²⁶ Joint Proposal, pp. 32-37.

³²⁷ Joint Proposal, p. 32.

³²⁸ Case 17-M-0475, In the Matter of Utility Outreach and Education Plans.

³²⁹ DPS Staff Statement in Support, p. 57.

percent same-day electric service reconnections for residential electric customers whose service was disconnected at the meter for non-payment.³³⁰ The customer must become eligible for reconnection by 5:00 p.m. Monday-Friday (excluding holidays). DPS Staff notes that this is a benefit for customers who satisfy their unpaid bills. The Company is also required to file a quarterly report on residential same-day reconnections, indicating the number customer reconnections attempted and completed and associated work orders.

3. Recording Calls. The Joint Proposal requires the Company to record inbound and outbound Call Center calls and retain those records for 24 months.

4. Protections During Extreme Temperatures. The Joint Proposal establishes new customer protections against electric and gas terminations during periods of extreme cold or hot temperatures, whereby the Company will refrain from terminating service when temperatures are 32 degrees Fahrenheit or less (November 1 to April 14); or during a heat advisory, when temperatures are 95 degrees Fahrenheit or more for two consecutive days or 100 degrees Fahrenheit or more for one or more consecutive days.³³¹ The Joint Proposal also provides for a winter moratorium on terminations for elderly, blind, and disabled customers. Although there is no testimony on this issue, DPS Staff notes that these provisions protect customers' health and safety.³³²

³³⁰ Joint Proposal, p. 33.

³³¹ Joint Proposal, pp. 34-35. Weather information reflecting that the temperatures are met will be based in O&R's service territory, as reflected on the National Weather Service website, <https://www.weather.gov>.

³³² DPS Statement in Support, p. 57.

5. Confirmation of Unsigned Payment Agreements. The Joint Proposal requires the Company to maintain in customer files a record of oral collection agreements and instruct Call Center personnel to offer to send a written agreement by mail or email.

6. Digital Customer Experience (DCX). In its initial testimony, the Company proposed to continue but expand its existing quarterly DCX program reporting.³³³ The aspects of DCX include: 1) ongoing optimization; 2) transitional expansion through self-service offerings; 3) data sharing through the expansion of Green Button Connect; 4) updates for Web Experience Management to maintain high level of reliability; 5) migration of remaining legacy applications to the DCX platform; 6) mobile cell phone updates that include locational, global positioning (GPS) information for reporting an outage and paying bills through Venmo and PayPal; and 7) customer personalization and control through tailored messaging and preferred payment options.³³⁴

DPS Staff proposed that the Company include in the quarterly reports a breakdown by each DCX function, with actual costs and budgets, and the reasons for any unspent or reallocated funds, and to present future DCX proposals in coordination with affiliate Consolidated Edison.³³⁵ The Joint Proposal continues O&R's DCX reporting requirements, but requires it to make future DCX proposals in concert with affiliate Consolidated Edison, which must include costs and benefits. We agree with DPS Staff's testimony that the future

³³³ Joint Proposal, p. 36.

³³⁴ Hearing Exhibit 79 (O&R Customer Service Panel Exhibit CSP-1), pp. 46-47.

³³⁵ Hearing Exhibit 212 (DPS Staff Information Technology and Common Panel), pp. 31-32.

DCX proposals undertaken with Consolidated Edison should include a breakdown of each DCX feature, with actual costs, benefits, budgets, and the reasons for any unspent or reallocated funds.

7. Customer Relationship Management (CRM) System. The Joint Proposal provides for implementation of the CRM system the Company proposed, but at approximately half the initially proposed investment cost of \$5 million.³³⁶ The Company is required to file annual reports detailing the implementation progress including, actual spending and any cost savings realized. DPS Staff did not support the CRM project because it lacked a business plan identifying efficiencies to be gained through implementation.³³⁷ The Company responded to DPS Staff's position by indicating that that CRM systems can lead to adoption of electrification technologies and a positive return on investment, with every dollar spent retuning \$8.71.³³⁸

We see the merit of DPS Staff's position that the CRM System should have a business plan that identifies customer benefits, but we are at the same time satisfied with the Company's response. The Joint Proposal requires annual CRM implementation reporting that should reflect the Company's business planning and actual efficiencies gained from the CRM implementation, in addition to the actual spending and cost savings realized.

8. Residential Termination/Uncollectible Metric. The Joint Proposal provides that for 2020 and 2021, the Company will forego PRAs related to the terminations and uncollectible

³³⁶ Joint Proposal, p. 36; Hearing Exhibit 78 (O&R Customer Service Panel), pp. 39-42.

³³⁷ Hearing Exhibit 212 (DPS Staff Information Technology and Common Panel), pp. 20-21.

³³⁸ Hearing Exhibit 264 (O&R Customer Service Panel Rebuttal), p. 3 (citing Nucleus Research Study).

metric, and for 2021-2024, to pause the metric (both PRAs and NRAs).³³⁹ As a result of the Covid-19 pandemic and amendments to PSL §32, the Company is subject to a moratorium on termination of residential and certain small business customers. The Joint Proposal provides for reconsideration of this metric in the next rate case.

DPS Staff, UIU, and PULP each presented testimony on this issue, citing the Covid-19 pandemic and associated legislation that significantly changed the Company's collections practices measured by this metric.³⁴⁰ We find the Joint Proposal's approach to be reasonable in light of the uncertainty that continues to surround Covid-19.

9. Reconnection Fee Waiver. The Joint Proposal provides for the Company to waive reconnection fees for electric customers with AMI meters if the Company can complete the reconnection remotely.³⁴¹ Gas reconnection fees will still be assessed because field crews are required to perform that task.

We agree with DPS Staff's position that if the Company has the ability to reconnect a customer remotely via an AMI meter, it is not incurring the costs it otherwise would incur if a field team was necessary to complete the reconnection.³⁴²

K. Electric and Gas Low-Income Assistance and Affordability Programs

In its initial filings, the Company proposed to

³³⁹ Joint Proposal, p. 36. The terminations/uncollectible metric was authorized in the 2019 Rate Order.

³⁴⁰ Hearing Exhibit 138 (DPS Staff Consumer Services Panel), pp. 36-40; Hearing Exhibit 256 (UIU Witness Gregg C. Collar), pp. 21-22; Hearing Exhibit 250 (PULP Witness William D. Yates), pp. 39-40.

³⁴¹ Joint Proposal, p. 37.

³⁴² DPS Staff Statement in Support, p. 61.

continue its current Low-Income Discount Programs, which conformed with the Commission's Energy Affordability Policy proceeding.³⁴³ The Company implemented tiered structure monthly discounts, automatic enrollment into budget billing, with an opt-out option, and a reconnection fee waiver program.³⁴⁴

DPS Staff testified that the proposals in the Company's filing generally complied with the Energy Affordability Policy, but pointed out that the Commission had commenced Phase 2 of the Energy Affordability Policy in February 2021, and that DPS Staff had issued a White Paper that recommended improvements to certain program elements. In August 2021, the Commission issued the Phase 2 Energy Affordability Order, which made significant improvements to the Energy Affordability Policy, including modifications to the discount calculation methodology, implementation of a statewide self-certification process to improve participation rates and encouraged utilities to target high usage participants with

³⁴³ Case 14-M-0565, Proceeding on Motion of the Commission to Examine Programs to Address Energy Affordability for Low Income Utility Customers, Order Adopting Low Income Program Modifications and Directing Utility Filings (issued May 20, 2016) (2016 Low-Income Order); Order Approving Implementation Plans with Modifications (issued February 17, 2017); and Order Granting in Part and Denying in Part Requests for Reconsideration and Petitions for Rehearing (issued February 17, 2017); Case 20-M-0266, Proceeding on Motion of the Commission Regarding the Effects of COVID-19 on Utility Service (Energy Affordability Policy Proceeding), Order Adopting Energy Affordability Policy Modifications and Directing Utility Filings (issued August 12, 2021) (Phase 2 Energy Affordability Order). Together, the orders in these proceedings are referred to as the Energy Affordability Policy.

³⁴⁴ This program allows for a one-time waiver of the reconnection fee for low-income customers that received Home Energy Assistance Program benefits in the previous 12 months and who had their service shut off for non-payment.

energy efficiency measures and programs.³⁴⁵ The Phase 2 Energy Affordability Order also established an Energy Affordability Policy Working Group where DPS Staff, major utilities and interested stakeholders identify low-income objectives and work together to make improvements to the statewide low-income programs in a collective manner.

Consistent with the Commission's Phase 2 Energy Affordability Order in the generic low-income proceeding, the Joint Proposal (Appendices 6 and 7), continues to provide funding for payment assistance available to O&R's customers who have difficulty paying their utility bills timely due to financial circumstances. The level of funding projected for the bill discount credits, subject to symmetrical deferral, is projected to be \$9,988,428 and \$5,395,378 in 2022 for electric and gas credits, respectively, based on the current number of customers in each tier.³⁴⁶ In addition, the Joint Proposal recommends that during the term of the Rate Plans the Company continue to waive its reconnection fee for any customer enrolled in the Company's Low-Income Program.

Discussion

We find that the terms related to the Company's low-income programs effectuate the program framework established in the Energy Affordability Policy proceeding and implement the modifications directed in the Phase 2 Energy Affordability Order. These Joint Proposal provisions also appropriately

³⁴⁵ Case 14-M-0565, Proceeding on Motion Regarding Energy Affordability, Order Adopting Energy Affordability Policy Modifications and Directing Utility Filings (issued August 12, 2021).

³⁴⁶ The specific bill discount credits are set forth in the Company's electric and gas tariffs and are subject to change based on the annual Low-Income Plan the Company is required to file with the Commission with the analysis of customer bills.

consider the long and short-term impacts of the pandemic on the utility, its customers, and the economy in general. Inasmuch as these provisions of the Joint Proposal are reasonable and serve the public interest, they are adopted.

L. Arrears Management

The Joint Proposal does not contain a provision specifically addressing arrears management for low-income customers.³⁴⁷ In opposing the Joint Proposal, PULP argues that arrears owed by low- and moderate-income customers throughout the State must be resolved "in a manner that does not wreak further harm upon New York's distressed communities," considering the economic strain caused by the Covid-19 pandemic.³⁴⁸ Acknowledging that DPS Staff recently commenced a public collaborative on arrears resolution, as directed by the Commission in the Phase 2 Energy Affordability Order, PULP nevertheless requests that the Commission require the Company to "mirror any arrearage collaborative language that is arrived at in Con Edison's 2022 rate case and settlement."³⁴⁹

DPS Staff and the Company oppose this request, stating, among other things, that it would be improper for the Commission to direct the Company to adhere to the result of an uncertain future event and that, in any event, it is more appropriate for the issue of arrears to be resolved on a generic, statewide basis rather than on an ad hoc basis in

³⁴⁷ The Joint Proposal, Section H (Customer Service) contains a provision stating that the Company will continue to inform all customers in arrears of the availability of payment agreements through 2022 and continue to permit customers to develop their own payment agreements, within certain parameters.

³⁴⁸ PULP Statement in Opposition, p. 17.

³⁴⁹ PULP Statement in Opposition, p. 17.

separate rate cases.³⁵⁰

Discussion

We agree with DPS Staff and the Company that issues related to customer arrears are appropriately addressed and will be resolved within the context of the ongoing stakeholder collaborative and Energy Affordability Policy Working Group (EAP Working Group) that we directed Staff to convene in the Phase 2 Energy Affordability Order.³⁵¹

In that regard, the EAP Working Group filed a status report on February 2, 2022, in which the increase in customer arrears due to the ongoing Covid-19 pandemic and associated moratorium on utility terminations, which expired in December 2021, was identified as a significant priority for the EAP Working Group.³⁵² The EAP Working Group reported that a multitude of outside speakers had been invited to educate and discuss with the stakeholders various arrears management program design considerations. The EAP Working Group states that it "is actively exploring arrears reduction solutions for the Commission's consideration."³⁵³ Thus, while we share PULP's concerns about the increased level of statewide customer arrears that has accompanied the Covid-19 pandemic, we are satisfied that the issue of arrears management will be appropriately and timely resolved in the generic Energy Affordability Policy proceedings.

³⁵⁰ DPS Staff Reply Statement, pp. 9-10; Company Reply Statement, p. 13.

³⁵¹ Case 20-M-0266, supra, (Phase 2 Energy Affordability Order), Clause 2.

³⁵² Case 20-M-0266, supra, EAP Working Group Status Report (filed February 2, 2022), p. 3.

³⁵³ Case 20-M-0266, supra, EAP Working Group Status Report, p. 4.

M. Language Access

In its testimony, PULP argued that O&R should provide specific language access assistance to customers who speak Haitian Creole, contending that Haitian Creole is the primary language spoken by "other Indo-European" language speakers in the service area and alleging that Haitian Creole speakers in Orange and Rockland counties "outnumbered Spanish speakers" and "currently represent 14 percent of the population."³⁵⁴

In its Statement in Opposition, PULP urges the Commission to "require the Company to translate its web site into Haitian Creole, and its DPA forms, collection notices, bills, and all arrears resolution communications" asserting that "17% of the population of Rockland County speak Haitian Creole as their first language."³⁵⁵ In so doing, PULP references a Commission regulation that requires utilities that provide service in a county where, according to the most recent Federal census, at least 20 percent of the population regularly speaks a language other than English, to provide messages on its bills and notices in both English and such other language at the request of a customer.³⁵⁶ In referencing the regulation, PULP acknowledges that the population speaking Haitian Creole does not meet the threshold in the regulation, but argues nevertheless that to do "anything less" than what it proposes would not uphold the State's interest in clear communication during the Covid-19 pandemic.³⁵⁷

O&R argued in its testimony that "[d]espite the

³⁵⁴ Hearing Exhibit 250 (PULP Witness William D. Yates), pp. 14, 58-59.

³⁵⁵ PULP Statement in Opposition, pp. 16-17.

³⁵⁶ PULP Statement in Opposition, p. 16, citing 16 NYCRR §11.17(b).

³⁵⁷ PULP Statement in Opposition, p. 17.

apparent growth of Haitian Creole-speaking customers in the Company's service territory, there does not appear to be a major need for these services."³⁵⁸ In testimony, it stated that on average, over a three-year period between 2018 and 2020, it provided translation services to Haitian Creole-speaking customers fewer than 40 times a year while in comparison it provided translation services to Spanish-speaking customers more than 5,360 times a year.³⁵⁹ In its view, "the record in these proceedings is devoid of evidence supporting PULP's proposal" and states that PULP does not offer a funding source for its proposal.³⁶⁰

We share PULP's interest in ensuring that customers can access assistance and critical information about their accounts, regardless of what language they speak. However, the record before us demonstrates that O&R is providing language access services to its customers.³⁶¹ As PULP concedes, none of the counties in O&R's service territory satisfy the threshold in our regulation that would require O&R to provide the translation

³⁵⁸ Hearing Exhibit 264 (O&R Customer Service Panel Rebuttal), p. 28.

³⁵⁹ Id.

³⁶⁰ Hearing Exhibit 317, O&R Reply Brief, pp. 12-13; Hearing Exhibit 264 (O&R Customer Service Panel Rebuttal), pp. 28-29.

³⁶¹ See Hearing Exhibit 265 (O&R Customer Service Panel Rebuttal Exhibit CSP-2).

services detailed in 16 NYCRR §11.17(b) into Haitian Creole.³⁶² We therefore decline to direct O&R to expand its language access program at this time but have the expectation that O&R will continue to provide language access assistance to its customers as appropriate.

N. Management and Operations Audit Compliance

Public Service Law §66(19)(c) provides that upon application for a major change in rates, the Commission shall review a utility's compliance with the Commission's directives and recommendations previously made in the most recent management and operations audit report and shall incorporate the findings of such review in its rate order.

DPS Staff's testimony described the most recent management and operations audits of the Company.³⁶³ In 2013, the Commission instituted a proceeding requiring an audit of the internal staffing levels and use of contractors for selected core utility functions at all major New York utilities,

³⁶² We also note that while PULP contends U.S. Census Bureau data supports the proposition that 17 percent of the population of Rockland County speaks Haitian Creole as their first language (see Hearing Exhibit 312, PULP Statement in Opposition, p. 16 and Hearing Exhibit 250, PULP Direct Testimony of William D. Yates, p. 59, n. 83), we do not reach the same conclusion based on record evidence. See referenced U.S. Census Bureau data, *American Community Survey (2019-5yr) - Languages Spoken at Home for the Population 5 Years and Over*. <https://data.census.gov/cedsci/table?q=language%20spoken%20at%20home&g=0500000US36071,36087&tid=ACSDT5Y2019.C16001>

³⁶³ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), p. 2-3 (citing Cases 13-M-0449, 14-M-0001 and 18-M-0013). It does not appear that O&R addressed in testimony the status of implementation and compliance with the management and operations audits referred to in DPS Staff's testimony.

including O&R (Staffing Audit Proceeding).³⁶⁴ In a February 2017 final audit report, Liberty Consulting Group, made 16 recommendations for O&R's operational improvement (Staffing Audit Report).³⁶⁵ O&R thereafter submitted an Implementation Plan based on the results of the Staffing Audit Report and the Commission approved it in December 2017 and directed implementation.³⁶⁶

O&R timely filed updates to its Implementation Plan, most recently in December 2018, and reviewed the recommendations in resource planning, workforce management and performance measures, internal staffing, overtime, contractor use, and REV efforts.³⁶⁷ The Company's Updated Implementation Plan indicates that it has completed the implementation of the recommendations in the Staffing Audit Report and further action was not

³⁶⁴ Case 13-M-0449, In the Matter of a Focused Operations Audit of the Internal Staffing Levels and Use of Contractors for Selected Core Functions at the Major New York State Gas and Electric Utilities.

³⁶⁵ Case 13-M-0449, supra, Final Report by The Liberty Consulting Group – Operations Audit of Staffing Levels at the Major New York State Energy Utilities (filed February 21, 2017), pp. ES-45 – ES-48.

³⁶⁶ Case 13-M-0449, supra, Order Approving Implementation Plans (issued December 15, 2017). DPS Staff's testimony notes that O&R incurred no notable incremental costs from implementing the recommendations and that the savings realized from the implemented recommendations cannot be specifically identified. Hearing Exhibit 136 (DPS Staff – Morina Testimony), p. 8.

³⁶⁷ Case 13-M-0449, supra, Staffing Audit Implementation Plan Update (filed December 17, 2018) (Updated Implementation Plan). The O&R initial and updated Implementation Plans were filed jointly with affiliate, Consolidated Edison.

required.³⁶⁸ On April 22, 2019, DPS Staff confirmed completion of O&R's Updated Implementation Plan and the audit recommendations, indicating that all recommendations had been implemented and the Company's updated reports contained sufficient details to reach that conclusion.³⁶⁹

We did not address the results of this operations audit in the 2019 Rate Order because it predated DPS Staff's confirmation of O&R compliance. We find that DPS Staff's determination of the Company's completion of the audit consistent with the Liberty Audit Report eliminates any need to address or incorporate those recommendations into this Order.

In a separate audit proceeding, in April 2016, the Commission issued an order adopting recommendations contained in an independent third-party consultant's audit of the accuracy of reported data regarding electric reliability, gas safety, and customer service by all New York utilities (Data Reporting Audit Report).³⁷⁰ In addition, the audit addressed utility adherence to reporting requirements and the accuracy of systems used to compile compliance data. The Data Reporting Audit Report provided the results of the consultant's audit and contained 426 recommendations designed to improve the accuracy, consistency,

³⁶⁸ Id., O&R Updated Implementation Plan, pp. 5-6, Appendix A. The details of the Company's Updated Implementation Plan and the status of specific implementation efforts are set forth in Appendix A to the Plan.

³⁶⁹ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), p. 6.

³⁷⁰ Case 13-M-0314, Request for Proposal for an Independent Third-Party Consultant to Conduct a Review of the Accuracy and Effectiveness of Certain Reliability and Customer Service Systems at all Gas and Combination Gas and Electric Utilities in New York State that Provide Statistics to the Commission on the Services They Provide Customer, Order Releasing Report and Providing Guidance on Response (issued April 20, 2016).

and completeness of data reporting of performance metrics.³⁷¹ The Commission directed the filing of Implementation Plans to address these recommendations and in a March 2017 order, approved the Plans. On March 1, 2018, DPS Staff found that the Company's Implementation Plan had been implemented and completed its audit.

The Commission commenced a third proceeding requiring a comprehensive management and operations audit of O&R and affiliate, Consolidated Edison.³⁷² NorthStar Consulting Group conducted the audit and in May 2016, issued a final audit report (NorthStar Audit Report) with recommendations to improve O&R's operations.³⁷³ The Commission required the Company and Consolidated Edison to submit an Implementation Plan to address the recommendations. Following submission, DPS Staff determined that the Company had demonstrated ongoing implementation and compliance with NorthStar's recommendations.³⁷⁴ DPS Staff testified here that "the implementation phase of this audit is ongoing" because of one outstanding recommendation applicable to

³⁷¹ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), pp. 9.

³⁷² Case 14-M-0001, Comprehensive Management and Operations Audit of Consolidated Edison Company of New York, Inc. and Orange and Rockland Utilities, Inc., Request for Proposal (issued December 11, 2014).

³⁷³ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), pp. 6-7.

³⁷⁴ Id.

Consolidated Edison.³⁷⁵

Finally, on January 11, 2018, the Commission issued an order commencing a focused operations audit to investigate the income tax accounting of New York State utilities, including O&R (Tax Accounting Audit Proceeding).³⁷⁶ Specifically, the Tax Accounting Audit Proceeding focuses on determining whether errors in income tax accounting occur with respect to the alleged cost of removal; whether ratepayers receive the benefit of the utilities' lower income tax expenses in rates; and whether correcting adjustments to the errors were accurate, reasonable, and consistent with accounting and tax rules and the Commission's policies.³⁷⁷ In April 2018, the Commission selected an auditor to investigate the income tax accounting of O&R and other utilities.³⁷⁸

As a result of delays associated with the auditor obtaining requested information, the Commission expanded the

³⁷⁵ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), pp. 6-7. On November 24, 2021, the Company and Consolidated Edison submitted an Updated Audit Implementation Plan regarding the status of implementation and revision to the December 2021 timeline for completion of the remaining recommendation related to improvements in the Gas Operations' Work Management processes, proposing a new completion date of June 30, 2022. On December 14, 2021, DPS Staff approved the revised timeline.

³⁷⁶ Case 18-M-0013, In the Matter of a Focused Operations Audit to Investigate the Income Tax Accounting of Certain New York State Utilities, Order Approving and Issuing the Request for Proposals Seeking a Third-Party Consultant to Perform Audits to Investigate the Income Tax Accounting of Certain New York State Utilities (issued January 11, 2018); Hearing Exhibit (DPS Staff - Morina Testimony), pp. 7-8.

³⁷⁷ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), pp. 7-8.

³⁷⁸ The Commission selected Schumaker and Company, Inc. as the independent consultant to investigate the income tax accounting issues.

audit scope and increased the audit funding. In August 2019, the auditor submitted a draft report (Draft Tax Audit Report), which is still under review by DPS Staff.³⁷⁹

DPS Staff's testimony describes the details of the Tax Accounting Audit Proceeding and indicates that it is ongoing.³⁸⁰ We have not issued a final determination in that Proceeding.

Our 2019 Rate Order and the underlying Joint Proposal discussed the then-ongoing independent audit and the signatory parties' agreement that the final, non-appealable Commission-ordered findings in the Tax Accounting Audit would be binding, including any Commission-ordered adjustment to the amounts related to the COR error that was embedded in the Company's cost of service forecast (income tax expense and excess deferred federal income tax liability balances) and reconciliation, whether refunded to or collected from customers.

We anticipate that the final Tax Audit Report is likely to be issued during the three-year Rate Plans established under the Joint Proposal in these proceedings, and we expect the Company to file the appropriate Implementation Plan in accordance with PSL §66(19)(b). Subject to the issuance of a final Tax Audit Report and the Company's timely implementation of the recommendations noted, we expect that the Company will be in compliance with the requirements of PSL §66(19)(b) and thereby enable our review of O&R's audit compliance and incorporation of the audit findings in the next rate order pursuant to PSL §66(19)(c).

O. Miscellaneous Provisions

The Joint Proposal contains several miscellaneous

³⁷⁹ Case 18-M-0013, supra, Order Adjusting Compensation for the Independent Auditor (issued November 15, 2019), p. 3.

³⁸⁰ Hearing Exhibit 136 (DPS Staff Witness Angela Morina), p. 8.

provisions that, with two exceptions, represent agreements among the signatories, which are unrelated to our substantive approval of its terms. These provisions address preservation of rights, potential related legislative and regulatory actions and policy proceedings, trade secret protections, separability, assurances, scope, and other procedural terms regarding submission of the Joint Proposal and the Commission's adoption. We therefore decline to adopt those provisions.

The first exception involves the Joint Proposal's terms in Section K(1), that provides for the continuation of its terms after Rate Year 3, including the Rate Year 3 performance targets, until the Commission revises base delivery service rates for electric and/or gas. We adopt this provision.

The second exception involves the Financial Protections terms in Section K(4), which requires, among other things, annual reporting for purposes of evaluating whether ring fencing measures should be implemented. Although included as a "Miscellaneous" provision, this section serves the important purpose of protecting both O&R and ratepayers. In testimony, both DPS Staff and the Company recommended a clarification to the existing ring-fencing criteria, whereby the metric measuring holding company debt to total consolidated debt would exclude non-recourse financing by non-utility entities, an approach that was adopted by the Commission for Consolidated Edison in its last rate order.³⁸¹ We adopt this clarification and this

³⁸¹ Hearing Exhibit 164 (DPS Staff Finance Panel), pp. 25-30 (citing Cases 19-E-0065 and 19-G-0066, Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Consolidated Edison Company of New York, Inc. for Electric and Gas Service, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plans (issued January 16, 2020); Joint Proposal, pp. 122-123; Hearing Exhibit 26 (O&R Witness Yukari Saegusa - Cost of Capital), p. 41).

provision of the Joint Proposal.

VII. EVALUATION UNDER PUBLIC INTEREST STANDARD

The Commission will adopt the terms of a joint proposal upon a finding that its terms, when viewed as a whole, produce a result that is in the public interest. Under this public interest standard and applying the Commission's Settlement Guidelines,³⁸² the terms of a joint proposal must fall within the range of reasonably likely litigate results and, for rate cases, the terms must assure safe and adequate service at just and reasonable rates. A joint proposal should balance protection of consumers with fairness to investors and the long-term viability of the utility. The result of any negotiated proposal also should be consistent with the environmental, social and economic policies of the Commission and the State. These considerations are "themselves elements of the public interest standard."³⁸³

The Joint Proposal here achieves a fair balance of interests on the issues presented in these electric and gas proceedings and is the product of several negotiation sessions on notice to all participating parties. In addition to O&R and DPS Staff, the Joint Proposal is signed by parties with differing interests, including NYPA, whose street light program is advanced, and by advocates for geothermal heat pump technology and refrigerant use limitations, whose positions are similarly advanced.

The Joint Proposal provides rate mitigation from the

³⁸² Cases 90-M-0255 and 92-M-0138, Proceeding on Motion of the Commission Concerning Procedures for Settlement and Stipulation Agreements, C 11175, Opinion, Order and Resolution Adopting Settlement Procedures and Guidelines, Opinion 92-2 (issued March 24, 1992).

³⁸³ Id., pp. 30-31.

economic effects of the Covid-19 pandemic by eliminating a portion of management wage increases, crediting customers with payroll tax credits, establishing productivity adjustments, and shortening the amortization period for excess deferred federal income taxes. The Joint Proposal benefits customers through gas safety and customer service performance metrics that carry positive and negative revenue adjustments to incentivize the Company in meeting established targets. The Joint Proposal benefits ratepayers by including an earnings-sharing mechanism.

The Joint Proposal also institutes fundamental changes to the Company's programs and operations to address the CLCPA. The Joint Proposal strikes the appropriate balance between the need to decrease greenhouse gas emissions and the need for the Company to meet its legal obligations to provide safe and reliable gas service at rate levels that are just and reasonable.

Based on the record, we find that the Joint Proposal strikes an appropriate balance between the interests of the parties, ratepayers, and the Company's long-term viability. We further find that the Joint Proposal meets the criteria in PSL §§65 and 66, the Commission's Settlement Guidelines, and is in the public interest.

VIII. CONCLUSION

Based upon the record as a whole, and as modified by this Order, we find that the Joint Proposal adequately mitigates rate impacts during the term of the three-year rate plans, while providing sufficient funding for the Company to maintain safe and reliable service and attract necessary capital to ensure its long-term viability. The terms of the Joint Proposal comply with our Settlement Guidelines and are consistent with the Commission's and the State's environmental, social, and economic

policies, including the CLCPA. Consistent with the discussions contained in this Order, we find that the Rate Plans adopted herein are in the public interest.

The Commission Orders:

1. Subject to the Commission's discussions in this Order and the additional requirements, the terms of the Joint Proposal and associated schedules, dated December 3, 2021, which are appended to this Order as Attachment A, are adopted and incorporated as part of this Order, with the exception of Section K, Miscellaneous Provisions, paragraphs 2-3 and paragraphs 5-13.

2. Orange and Rockland Utilities, Inc. is directed to file cancellation supplements, effective on not less than one day's notice, on or before April 25, 2022, cancelling the tariff amendments and supplements listed in Attachment B to this Order.

3. Orange and Rockland Utilities, Inc. is directed to file, on not less than three-days' notice, to take effect on May 1, 2022, on a temporary basis, such further tariff amendments as are necessary to effectuate the terms of this Order for Rate Year 1, the twelve-month period ending December 31, 2022, and to incorporate any tariff amendments that were previously approved by the Commission since the tariff amendments listed on Attachment B were filed. The Company shall serve copies of its filing on all parties to these cases. Any comments on the compliance filing must be filed within 14 days of service of the Company's proposed amendments. The amendments specified in the compliance filing shall not become effective on a permanent basis until approved by the Commission.

4. Orange and Rockland Utilities, Inc. is directed to file such tariff changes as are necessary to effectuate the

terms of this Order for Rate Years 2 and 3 on not less than 30-days' notice. Such tariff changes shall be effective only on a temporary basis until approved by the Commission.

5. Orange and Rockland Utilities, Inc. is directed to file by December 31, 2022, modifications to its Annual Team Incentive Plan, after consulting with Department of Public Service Staff, as discussed in this Order.

6. Orange and Rockland Utilities, Inc. shall file with the Secretary within 60 days of the effective date of this Order a report regarding the amounts included in the revenue requirement for organization dues, which shall contain the underlying analysis, documentation, and associated workpapers supporting the identified amounts that should be excluded from the revenue requirement (including carrying charges) to be refunded to customers and a proposed treatment to achieve the customer refunds, as discussed in this Order.

7. Orange and Rockland Utilities, Inc. is directed to submit a plan to correct the low-income bill discount program credit error to the Secretary to the Commission within 30 days of the effective date of this Order, consistent with the body of this Order, which shall describe the measures to be taken to address and make whole previously misclassified Low-Income Bill Discount Program participants, including the details of calculations, explanation, analysis, and internal controls. Credits shall be shown on the bills of affected low-income bill discount program participants in their respective billing cycle within 45 days after submittal of the plan, unless Department of Public Service Staff submits a letter to Orange and Rockland Utilities, Inc. indicating that the credit amounts should be adjusted.

8. Orange and Rockland Utilities, Inc. is directed to file in its next rate filing, unless required to do so earlier: (1) the 1990 greenhouse gas emissions baseline for its entire gas system, with a description of the methodology used in developing the baseline calculation; (2) a calculation of annual greenhouse gas emissions for its gas system at the time of the filing, with a description of the methodology used in the calculation; (3) an assessment of how its capital expenditures, programs, and initiatives described in its proposed rate filing (or existing rate plan if done earlier) will impact greenhouse gas emissions from its gas system, specifying the potential emissions impacts of each; and, (4) an analysis of non-pipeline alternatives considered for each capital expenditure, program or initiative on the gas system and a reasoned explanation if such non-pipeline alternatives are not selected.

9. Orange and Rockland Utilities, Inc. shall file, within 90 days after the effective date of this Order, tariff changes to implement the Customer-Owned Street Light Dimming Pilot, which will allow for the installation and prescriptive use of NLC nodes in customer-owned street lights, and otherwise meet the requirements and timeframes set for in the Joint Proposal; shall file progress reports with the Secretary every 45 days in accordance with the terms of this Order; and shall file with the Secretary, a written plan outlining the collaborative process that will be undertaken after consultation with DPS Staff, NYPA, and other interested stakeholders, as discussed in this Order; and is required to otherwise comply with the technical conference, collaborative meeting, reporting, and other requirements set forth in this Order related to the Customer-Owned Street Light Dimming Pilot.

10. Orange and Rockland Utilities, Inc., as part of its annual natural gas detector report under the Joint Proposal to be filed with the Secretary within 90 days of the close of each Rate Year, shall include updated estimates of the total cost for the acquisition and installation of 15,400 Advanced Metering Infrastructure-enabled natural gas detectors, an explanation of how such costs were determined, and the efforts undertaken to reduce and/or limit the overall cost, in accordance with the requirements of this Order.

11. Orange and Rockland Utilities, Inc., shall file a Renewable Natural Gas Plan with the Secretary within six months of the date of this Order in accordance with the requirements of this Order.

12. Orange and Rockland Utilities, Inc. shall file, prior to the construction of the Millennium Back-Feed Project and within 60 days of reaching the appropriate agreements to proceed with the Project, a detailed updated cost estimate for the Millennium Back-Feed Project, an explanation for how the updated cost estimate was derived, and shall provide any associated workpapers.

13. Orange and Rockland Utilities, Inc. shall begin the Certified Natural Gas Pilot in the winter of 2022-2023 and file, a report on May 1, 2023, a certification by an independent third-party expert verifying the quantifiable reduced greenhouse gas emissions potential for certified natural gas, as compared to traditional natural gas sources, and the criteria, guidelines, testing, and production protocols that are designed to demonstrate that certified natural gas is a reduced emissions fuel source, as discussed in this Order.

14. Orange and Rockland Utilities, Inc. shall consult with Department of Public Service Staff and interested parties

on the integration of the Refrigerant Management Initiative into its energy efficiency program, as discussed in this Order.

15. Orange and Rockland Utilities, Inc. shall file quarterly reports beginning on June 30, 2022 that details progress on the redesign of its Digital Customer Experience program, including digital content and services and implementation of new digital services and functionality, and shall make future Digital Customer Experience program proposals with affiliate Consolidated Edison that shall include costs and benefits of the proposals and shall address the timing and impact of presenting the proposals in their respective rate proceedings.

16. Orange and Rockland Utilities, Inc., shall file with the Secretary a Revenue Adjustment Mechanism (RAM) Compliance Filing 60 days before the recovery of any storm costs through the variable ECA, which shall be based on actual major storm costs incurred over the 12 months ending December 31 of each prior Rate Year and shall include the storm costs per major storm event, backup documentation to support such costs, and workpapers associated with the calculations used to determine the Company's proposed RAM component of the variable ECA by service classification. The RAM will continue unless and until changed by Commission order.

17. Orange and Rockland Utilities, Inc., shall file with the Secretary by September 30 of each Rate Year a status report on the Customer Relationship Management System implementation, including actual spending, projected completion date, and any realized costs savings resulting from implementation.

18. The requirement of Public Service Law Section 66(12)(b) that newspaper publication be completed prior to the

effective date of the proposed amendments directed in Clause 3 above is hereby waived for Rate Year 1. The Company is directed to file with the Commission, not later than six weeks following the amendments' effective date, proof that notice to the public of the changes made by the amendments has been published once a week for four successive weeks in daily and weekly newspapers having general circulation in the service territory and areas affected by the amendments. Newspaper notice is not waived for tariff changes necessary to implement the rate plans in Rate Years 2 and 3.

19. In the Secretary's sole discretion, the deadlines set forth in this order may be extended. Any request for an extension must be in writing, must include justification for the extension, and must be filed at least three days prior to the affected deadline.

20. These proceedings are continued.

By the Commission,

(SIGNED)

MICHELLE L. PHILLIPS
Secretary

CASES 21-E-0074 and 21-G-0073

ATTACHMENT A

OCTOBER 29, 2021 JOINT PROPOSAL

STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

CASE 21-G-0073 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Gas Service.

CASE 21-E-0074 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service.

JOINT PROPOSAL

October 29, 2021

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STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

- CASE 21-G-0073 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Gas Service.
- CASE 21-E-0074 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service.

JOINT PROPOSAL

THIS JOINT PROPOSAL (“Proposal”) is made as of the 29th day of October, 2021, by and among Orange and Rockland Utilities, Inc. (“Orange and Rockland” or the “Company”), New York State Department of Public Service Staff (“Staff”), New York Power Authority, New York Geothermal Energy Organization, and New Yorkers For Cool Refrigerant Management, and other parties whose signature pages are or will be attached to this Proposal (collectively referred to herein as the “Signatory Parties”).

Introduction

This Proposal sets forth the terms of an electric rate plan for the period January 1, 2022 through December 31, 2024 (“Electric Rate Plan”) and a gas rate plan for the period January 1, 2022 through December 31, 2024 (“Gas Rate Plan”). (Collectively, the Electric Rate Plan and the Gas Rate Plan are referred to as the “Rate Plans.”) The Rate Plans prescribe agreed-upon rate levels and address operational and accounting matters, as well as various other rate design and revenue allocation issues. The Rate Plans are

designed to support the continued reliability, safety, and security of the Company's electric and gas systems at just and reasonable rates.

Among other things, the Electric Rate Plan reflects a revenue requirement based on the adoption of the electric sales and revenue forecast agreed to by the Signatory Parties, the continuation of a revenue decoupling mechanism ("RDM") and various other reconciliations, including a property tax reconciliation, reconciliation of net plant balances in the event that actual average net plant is lower than that reflected in rates, continuation of electric performance metrics and the New York Public Service Commission's ("Commission") enhancement of the low income customer assistance program. The Electric Rate Plan is supportive of and consistent with the goals of the Climate Leadership and Community Protection Act ("CLCPA").

Among other things, the Gas Rate Plan reflects a revenue requirement based on the adoption of the gas sales and revenue forecast agreed to by the Signatory Parties, updates to the interruptible sales benefit imputation, the continuation of an RDM and various other reconciliations, including a property tax reconciliation, reconciliation of net plant balances in the event that actual average net plant is lower than that reflected in rates, provision of additional resources to various gas safety initiatives, continuation and/or enhancement of gas performance metrics, and the Commission's enhancement to the low income customer assistance program. The Gas Rate Plan is supportive of and consistent with the goals of CLCPA and a provides for the continued exploration of potential Non-Pipe Alternatives ("NPA").

Procedural Setting

Orange and Rockland is currently operating under an electric and gas rate order that established electric and gas rates effective January 1, 2019.¹ The 2019 Rate Order established electric and gas base rates for the three years ending December 31, 2021.

On January 29, 2021, Orange and Rockland filed new tariff leaves and supporting testimony for new rates and charges for electric and gas service effective on January 1, 2022, for the 12-month period ending December 31, 2022. In that filing, the Company also included financial information for the two succeeding 12-month periods in order to facilitate development of multi-year rate plans through settlement discussions in the event parties elected to do so.

Two administrative law judges (“ALJs”), Maureen F. Leary and Erika Bergen, were appointed to preside over the rate proceedings. Parties engaged in discovery, with the Company responding to over 900 formal discovery requests on the filings. A procedural conference was held virtually on February 25, 2021. The procedural conference was immediately followed by a technical presentation by the Company on various aspects of the filing.

On February 16, 2021, ALJs Bergen and Leary issued a Ruling Adopting Protective Order. On March 3, 2021, ALJs Bergen and Leary also issued a Ruling on Schedule, providing dates for certain activities in these cases, including an update of the

¹ Cases 18-E-0067, *Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service*; Case 18-G-0068, *Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Gas Service*, Order Adopting Terms of Joint Proposal and Establishing Electric and Gas Rate Plans (issued March 14, 2019) (“2019 Rate Order”).

Company's filings, Staff and intervenor testimony, rebuttal testimony of the Company's filings, and evidentiary hearings.

On March 31, 2021, the Company provided the parties with revenue requirement updates.

On May 27 through June 1, 2021, six parties filed testimony in response to the Company's filings. On June 18, 2021, the Company filed rebuttal testimony, including the presentation of the Company's formal revenue requirement update. One other party also filed rebuttal testimony.

By notice dated June 11, 2021, Orange and Rockland notified all parties of the commencement of settlement negotiations on June 25, 2021.² Settlement negotiations began on June 25, 2021, and continued on July 16, July 29,³ August 11, August 13, August 20, September 2, September 10, September 24, September 29, October 1, October 15, October 20, and October 26. All settlement negotiations were held virtually and were subject to the Commission's Settlement Rules, 16 NYCRR §3.9, including the provision of appropriate notices for negotiating sessions.

The parties' negotiations have been successful and have resulted in this Proposal, which is presented to the Commission for its consideration.

² This notice was filed with the Secretary to the Commission ("Secretary").

³ On June 11, 2021, the Company filed a letter with the Secretary agreeing to a one-month extension of the statutory suspension period in these proceedings subject to a "make-whole" provision that would keep the Company and its customers in the same position they would have been absent the extension. On July 14, 2021, the Company requested a second extension through March 26, 2022. On September 10, 2021, the Company request a third extension through May 26, 2022, if necessary.

A. Term

The Signatory Parties recommend that the Commission adopt a three-year Electric Rate Plan and Gas Rate Plan for Orange and Rockland as set forth herein, effective as of January 1, 2022 and continuing through December 31, 2024.

For the purposes of this Proposal, Rate Year means the 12-month period starting January 1 and ending December 31; Rate Year 1 (“RY1”) means the 12-month period starting January 1, 2022 and ending December 31, 2022; Rate Year 2 (“RY2”) means the 12-month period starting January 1, 2023 and ending December 31, 2023; and Rate Year 3 (“RY3”) means the 12-month period starting January 1, 2024 and ending December 31, 2024.

B. Rates and Revenue Levels

1. Common

a. Rate Mitigation

In order to mitigate customer bill impacts in light of the on-going COVID-19 pandemic, the Company has eliminated funding for senior management (Band 4 and executive) wage increases for the period October 1, 2020 to December 31, 2022. As management wage increases are effective in April of each year, this results in eliminating funding for senior management wage increases for two years.

The Company claimed the COVID-19-related Employee Retention Tax Credit to keep workers employed in the early months of the pandemic when certain activities were suspended. The Company will pass the full \$0.975 M benefit of the credit to customers over the term of the Rate Plans.

Moreover, the electric and gas revenue requirements reflected in the Rate Plans contain significant productivity and efficiency-related adjustments. In addition to a one percent productivity adjustment to the cost of direct labor, fringe benefits (*i.e.*, pension, post-employment benefits and employee welfare expenses) and payroll taxes, the revenue requirements also include \$2.9 million in COVID-related adjustments over the Rates Plans. The combined productivity and additional adjustments are equivalent to approximately a two percent productivity adjustment for Rate Year 1. In addition, the Company has imputed \$19.6 million of forecasted targeted efficiency savings over the term of the Rate Plans. The Company bears the risk of not achieving the targeted efficiency savings as there is no reconciliation.

Finally, this Proposal accelerates pass-back to customers of unprotected excess deferred federal income taxes balances related to the Tax Cuts and Jobs Act of 2017 (*i.e.*, shortened the amortization to six years from 15 years, as set forth in the 2019 Rate Order).

b. CLCPA-Related Efforts

In order to assist in achieving the goals of the CLCPA, the Company will engage in the various environmental sustainability efforts set forth in Appendix 20.

c. Sales Forecasts

The electric and gas sales and delivery revenue forecasts used to determine the revenue requirements for each of RY1, RY2 and RY3 are set forth in Appendices 4 and 5, respectively. For purposes of this Proposal, the sales and delivery revenue forecasts for electric and gas are based on the use of a 10-year normal for the period through December 2020.

d. Annual Team Incentive Program (“ATIP”)

During RY1, the Company will confer with Staff to review its ATIP program, particularly how the goals of such program can fully support the customer interest, consistent with Commission policies for safety, reliability, environmental protection and customer service. Based on such review, the Company will modify its ATIP program, as appropriate, for RY2 and RY3. The results of the review and any modifications to be implemented shall be documented in a filing to the Secretary on or before December 31, 2022.

2. Electric

This Proposal recommends changes to the Company’s electric delivery service rates and charges designed to produce an additional \$4.939 million in revenues on an annual basis starting in RY1, an additional \$16.158 million increase in revenues on an annual basis starting in RY2, and an additional \$23.129 million increase in revenues on an annual basis starting in RY3. The electric revenue requirement calculations underlying the Proposal are set forth in Appendix 1.

The Signatory Parties recommend that the Commission adopt the option to phase in these three base rate changes on a levelized basis to provide rate stability over the Electric Rate Plan. The annual levelized revenue changes would be an \$11.675 million increase in RY1, RY2 and RY3.⁴ The revenue changes to each service class associated with the proposed additional revenues are shown in Appendix 17.

⁴ The levelized rate changes are inclusive of interest on the deferred rate increase calculated at the 2021 Other Customer-Provided Capital Rate of 1.8 percent. The Company will calculate the change in interest for any change in the Other Customer-Provided Capital Rate in future years and defer the difference for surcharge or credit to customers, as applicable.

The proposed revenue changes for each of RY1, RY2 and RY3 will be effective on the first day of each Rate Year.⁵

The Signatory Parties recognize that levelizing the revenue increases over the three years of the Electric Rate Plan to moderate customer bill impacts will result in lower base delivery rate revenues for the Company at the end of RY3 than would result if the revenue increases were not levelized. To address this circumstance, \$20.9 million of the RY3 rate increase will be included in base rates and \$9.2 million of the RY3 rate increase will be refunded via a temporary credit through the Energy Cost Adjustment (“ECA”). The major components of the electric revenue requirements underlying this Proposal are set forth in Appendix 1. These revenue requirements are net of the amortizations of various deferred customer credits and charges on the Company’s books of account that have previously been deferred by the Company, as well as projections of deferred amounts. The list of deferred customer credits and charges to be applied during the Electric Rate Plan is attached as Appendix 3.

a. Market Supply Charge/Energy Cost Adjustment

The Company will continue to recover all prudently incurred supply and supply-related costs, including, but not limited to, power purchase costs, through the Market Supply Charge (“MSC”) and ECA mechanisms.

⁵ If, based on the make whole extension letters referred to in footnote 3, the Commission does not issue an order on this Proposal until after January 1, 2022, the Company will recover shortfalls and refund over-collections that result from the extension of the suspension period in this proceeding through a “make-whole” provision, as detailed in the make whole extension letters. The revenue differences will be recovered or credited, with interest, over the remaining months of 2022 as detailed in Appendices 17 and 18.

b. Revenue Decoupling Mechanism

For the term of the Electric Rate Plan, the Company will continue to implement an RDM, as set forth in the Company's electric tariff, amended to reflect the modifications recommended in this Proposal as outlined in Appendix 21. The RDM, as modified, will continue thereafter until changed by the Commission, except for restating the RDM targets for the Rate Year commencing January 1, 2025, to reflect the expiration of the temporary credit discussed in paragraph B.1 above, if the Company does not file for new base delivery rates to be effective within 15 days after the expiration of RY3.

c. Other Charges

The Signatory Parties agree that, whenever the Company is or will be subject to governmental or regional transmission organization ("RTO") transmission and/or generation-related charges, costs or credits (*e.g.*, FERC, NYISO, PJM, EPA)⁶ not already listed in or otherwise covered by the then-effective MSC or ECA tariff language, the Company may make a tariff filing with the Commission providing for recovery of such charges/costs, or application of these credits, through the MSC mechanism, ECA mechanism, and/or comparable adjustment mechanism. The proposed tariff amendment may include charges/costs/credits applicable to the period prior to the effective date of the tariff amendment.

⁶ Federal Energy Regulatory Commission ("FERC"), New York Independent System Operator ("NYISO"), PJM Interconnection, L.L.C. ("PJM"), and Environmental Protection Agency ("EPA").

3. Gas

This Proposal recommends changes to the Company's retail gas sales and gas transportation service rates and charges, designed to produce a \$0.660 million increase in revenues on an annual basis starting in RY1, an additional \$7.395 million increase in revenues on an annual basis starting in RY2, and an additional \$9.870 million increase in revenues on an annual basis starting in RY3.⁷

The Signatory Parties recommend that the Commission adopt the option to phase in these three base rate changes on a levelized basis to provide rate stability over the term of the Gas Rate Plan. The annual revenue changes would be a \$4.421 million increase in RY1, RY2 and RY3.⁸ The revenue changes to each service class associated with the proposed additional revenues are shown in Appendix 18.

The proposed revenue changes for each of RY1, RY2 and RY3, will be effective on the first day of each Rate Year.⁹

The Signatory Parties recognize that levelizing the revenue increases over the three years of the Gas Rate Plan to moderate customer bill impacts will result in lower base delivery rate revenues for the Company at the end of RY3 than would result if the revenue increases were not levelized. To address this circumstance, \$9.1 million will be

⁷ Unless specifically stated otherwise in this Proposal, the terms "customers" and "base rate" with respect to gas apply to the Company's firm gas customers who are served under SC Nos. 1, 2, and 6.

⁸ The levelized rate changes are inclusive of interest on the deferred rate increase calculated at the 2021 Other Customer-Provided Capital Rate of 1.8 percent. The Company will calculate the change in interest for any change in the Other Customer-Provided Capital Rate in future years and defer the difference for surcharge or credit to customers, as applicable.

⁹ See footnote 5.

included in base rates in RY3 and \$4.7 million will be refunded via a temporary credit through the Monthly Gas Adjustment (“MGA”).

The major components of the gas revenue requirements underlying this Proposal are set forth in Appendix 2. These revenue requirements are net of the amortizations of various customer credits and debits on the Company’s books of account that have previously been or are projected to be deferred by the Company. The list of deferred customer credits and debits to be applied during the Gas Rate Plan is attached as Appendix 3.

a. Gas Supply Charge/MGA

The Company will continue to recover all prudently incurred supply and supply-related costs through the Gas Supply Charge (“GSC”) and MGA. Costs associated with balancing assets will continue to be recovered from all Service Classification (“SC”) Nos. 1, 2, and 6 customers through a common cents per Ccf component in the MGA.¹⁰

b. Revenue Decoupling Mechanism

For the term of the Gas Rate Plan, the Company will continue to implement an RDM, amended to reflect the modifications recommended in this Proposal as outlined in Appendix 21. The RDM will continue unless and until changed by the Commission, except for restating the RDM targets for the Rate Year commencing January 1, 2025, to reflect the expiration of the temporary credit discussed in paragraph B.2 above, if the

¹⁰ The Company recovers various costs and charges, and provides certain credits, through the GSC, MGA and Weighted Average Cost of Transportation (“WACOT”). For costs, charges, and credits covered by the language of these adjustment mechanisms, the Company will continue to recover such costs and charges, and provide such credits, as incurred, by reflecting these charges, costs and/or credits in monthly statements filed pursuant to these adjustment mechanisms.

Company does not file for new base delivery rates to be effective within 15 days after the expiration of RY3.

c. Base Rate Imputations

The base rate imputation shall increase to \$6.45 million in all three Rate Years. These revenue imputations reflect (i) imputations for interruptible benefits¹¹ of \$5.8 million (“Interruptible Benefits Imputation”); and (ii) an imputation of \$650,000 for net benefits associated with the delivery of gas to electric generating facilities previously owned by the Company (“Power Generation Imputation”) in each Rate Year. Any variances, either positive or negative, between the actual revenue margin and the Interruptible Benefits Imputation, during each Rate Year the Gas Rate Plan is effective, will be shared on an 80% customer/20% Company basis and the 80% customer over-/under-recovery will be credited to/recovered from customers as applicable through the MGA. One hundred percent of any variances, either positive or negative, between the actual revenue margin and the Power Generation Imputation, during each Rate Year the Gas Rate Plan is effective, will be credited to/recovered from customers as applicable through the MGA.

d. Lost and Unaccounted for Gas

The Factor of Adjustment (“FOA”), reflecting lost and unaccounted for (“LAUF”) gas, will be reset every November 1 based on the average of the actual FOAs for the previous five 12-month periods ended August 31.

Actual LAUF will be calculated annually as follows:

¹¹ Interruptible benefits shall be defined as total interruptible (SC No. 8) and firm withdrawable (SC No. 9) revenues minus any associated gas costs and revenue tax surcharge revenues.

1. Losses = Total Pipeline Receipts less metered deliveries to customers (Retail Sales and Transportation Deliveries + Deliveries to Generators + Gas Used for Company Purposes¹²).

2. Adjusted Line Loss = Losses minus the contribution to the system line loss from generators.

3. Line Loss Factor (“LLF”) = Adjusted Line Loss divided by Citygate receipts adjusted for generators.

Wholesale generators served under SC No. 14 that have a capacity that is at least 50 MW are to provide 1% of their consumption to cover losses unless the system average is lower. Wholesale generators that are not on a dedicated line but are on a high-pressure transmission line can negotiate a specific LLF, subject to a minimum of 1% of their consumption unless the system average is lower. Wholesale generators that are not served by dedicated lines, and that do not negotiate an LLF, will have the system average LLF applied. The volumes associated with wholesale generators served by dedicated lines shall be excluded from the LLF calculation by deducting the metered amount from the total send out.

In order to determine if the Company receives an incentive or pays a penalty for the annual LLF achieved commencing with the 12-month period ending August 31, 2022, the Company will compare the LLF level for such period to a targeted dead band based on the FOA in effect at the time of the filing of the annual gas cost rate reconciliation

¹² Metered gas for inactive accounts is included in “Gas Used for Company Purposes” and reflected as such in the gas revenue requirement and LAUF calculation. The estimate for Gas Used for Company Purposes used to establish the gas revenue requirement includes an estimated amount for metered gas for inactive accounts based on the Company’s gas service termination procedures.

(*i.e.*, based on the average of the prior five-year LLFs through August 31, 2021) (“Target Dead Band”). The Target Dead Band will be reset annually based on the average of the prior five-year LLFs.¹³ The Target Dead Band limits are set at minus two standard deviations (“lower limit”) and plus two standard deviations (“upper limit”) of the FOA in effect. In the event that two standard deviations below the FOA is below 0%, the lower limit will be 0%, and the upper limit will be 0% plus four standard deviations. If the LLF is within the Target Dead Band, no incentive or penalty will arise. If the LLF is greater than the upper limit of the Target Dead Band, a penalty will be assessed according to the tariff. If the LLF is less than the lower limit of the Target Dead Band, an incentive will be provided to the Company according to the tariff. The Company will not earn an incentive on any portion of an LLF below 0.0%.

Appendix 10 provides sample calculations of the determination of the potential benefit or cost to the Company. Appendix 10 also details the calculation of the continuing SPA Mechanism.

If an unforeseeable and uncontrollable event(s) occurs that significantly increases actual line losses, then the Company reserves the right to file a petition with the Commission to modify the annual reconciliation of the GSC in order to reflect such increased line losses. The Company will have the burden of demonstrating the increase in actual line losses and that such increase was not due to the Company’s negligent actions or omissions, in the event it makes such a filing.

¹³ The Target Dead Band will also be reset annually for the System Performance Adjustment (“SPA”) Mechanism.

C. Computation and Disposition of Earnings

Following each electric and gas Rate Year covered by the Rate Plans, the Company will compute, separately, the earned rate of return on common equity (“ROE”) for its electric and gas businesses for the preceding Rate Year. The Company will submit these computations of earnings to the Secretary by no later than March 31 (*i.e.*, within three months after the end of each Rate Year).

1. Earnings Sharing Threshold

The ROE reflected in the revenue requirements for electric for RY1, RY2 and RY3, and for gas for RY1, RY2 and RY3 are set forth in Appendices 1 and 2 (*i.e.*, 9.2 percent). Following each of RY1, RY2 and RY3, the Company will compute, separately, the earned rate of return on common equity for its electric and gas businesses for the preceding Rate Year. If the level of the earned electric ROE for RY1, RY2 or RY3 or of the earned gas ROE for RY1, RY2 or RY3 exceeds 9.7 percent (“Earnings Sharing Threshold”), calculated as set forth below, then the amount in excess of the Earnings Sharing Threshold shall be deemed shared earnings (“Shared Earnings”) for the purposes of the Rate Plans.

During the terms of the Rate Plans, one-half of the revenue requirement equivalent of any electric or gas Shared Earnings above 9.7 percent but less than 10.2 percent will be deferred for the benefit of customers and the remaining one-half of any Shared Earnings will be retained by the Company; 75 percent of the revenue requirement equivalent of any electric or gas Shared Earnings equal to or in excess of 10.2 percent but less than 10.7 percent will be deferred for the benefit of customers and the remaining 25 percent of any Shared Earnings will be retained by the Company; and 90 percent of the

revenue requirement equivalent of any electric or gas Shared Earnings equal to or in excess of 10.7 percent will be deferred for the benefit of customers and the remaining 10 percent of any Shared Earnings will be retained by the Company.

2. Earnings Calculation Method

For each Rate Year, for purposes of determining the actual earned ROE:

- a. The calculation of the actual ROE on common equity capital allocated to New York jurisdictional electric and gas utility operations shall be on a “per books” basis, that is, computed from the Company’s books of account for each Rate Year, excluding the effects of: (i) Company incentives and performance-based revenue adjustments (both positive and negative), including incentives for Non-Wires Alternatives (“NWAs”) and NPAs, under Earnings Adjustment Mechanisms set forth in Appendix 16, and the performance metrics set forth in Appendices 13, 14 and 15; (ii) the Company’s share of property tax refunds earned during the applicable Rate Year; and (iii) any other Commission-approved ratemaking incentives and revenue adjustments in effect during the applicable Rate Year.
- b. Such earnings computations will reflect the lesser of: (i) an equity ratio equal to 50 percent, or (ii) the Company’s actual average common equity ratio to the extent that it is less than 50 percent of its ratemaking capital structure. The Company’s actual common equity ratio will exclude all components related to “other comprehensive income” that may be required by generally accepted accounting principles (“GAAP”); such charges are recognized for financial accounting reporting purposes but are not recognized or realized for ratemaking purposes.

c. If the Company does not file for new base delivery rates to take effect within 30 days after the expiration of RY3, the Earnings Sharing Threshold and the other earnings sharing thresholds will continue until base delivery rates are reset by the Commission. Such calculation will be performed on an annual basis in the same manner as set forth above.

d. The actual average rate base for any stay-out period less than 12 months will be adjusted by an operating income ratio factor. This adjustment to rate base is intended to align operating income to the level of rate base that generated that income. This factor will be calculated as the ratio of operating income during the same partial year period in the previous Rate Year to the total operating income for that Rate Year. This methodology is illustrated in Appendix 12.

3. Disposition of Shared Earnings

For electric and/or gas Shared Earnings in any Rate Year, the Company will apply 50 percent of its share and the full amount of the customers' share of electric and/or gas Shared Earnings that would otherwise be deferred for the benefit of customers under this Proposal, to reduce respective deferred under-collections of Site Investigation and Remediation ("SIR") costs.

In the event the amount of Shared Earnings for electric and/or gas available to reduce respective deferred under-collections of SIR costs exceeds the amount of such deferred under-collections, the Company will apply the amount of the excess to reduce other deferred costs. The Company's annual earnings report will include the amount, if any, of deferred under-collections of SIR costs written down with the Company's and the customers' respective shares of Shared Earnings. If applicable, the Company's annual

earnings report will identify any other deferred costs reduced by application of Shared Earnings and the amount of Shared Earnings used for that purpose.

D. Additional Accounting Provisions

1. Reconciliations and Deferrals

The Company's authorized reconciliations and deferrals are detailed in Appendix 9.

2. Depreciation Rates and Reserves

a. Depreciation Rates (Electric and Gas)

The average services lives, net salvage factors and life tables used in calculating the depreciation reserve and establishing the revenue requirements for electric and gas service are set forth in Appendix 11. Existing pipe to be replaced under the Company's pipe replacement program (mainly cast iron, bare steel and Aldyl-A plastic pipe) is to be depreciated over ten years beginning in Rate Year 3.

The average service lives, net salvage factors and life tables have been agreed to for the purposes of this Proposal, but such agreement does not necessarily imply endorsement of any methodology for determining any of them by any Signatory Party.

3. Interest on Deferred Costs

The Company is required to record on its books of account various credits and debits that are to be charged or refunded to customers. Unless otherwise specified in this Proposal or by Commission order, the Company will accrue interest on these book amounts, net of federal and state income taxes, at the Other Customer-Provided Capital Rate published by the Commission annually. MTA tax deferrals are either offset by other

balance sheet items or reflected in the Company's rate base and will not be subject to interest.

4. Property Tax Refunds and Credits

Property tax refunds allocated to electric and/or gas that are not reflected in the respective Rate Plans and that result from the Company's efforts, including credits against tax payments or similar forms of tax reductions (intended to return or offset past overcharges or payments determined to have been in excess of the property tax liability appropriate for Orange and Rockland), will be deferred for future disposition, except for an amount equal to 14 percent of the net refund or credit, which will be retained by the Company. Incremental expenses incurred by the Company to achieve the property tax refunds, credits or reductions in future property tax assessments will be offset against the refund or credit before any allocation of the proceeds is calculated. The 14 percent retention will apply to all such property tax refunds and/or credits against future tax payments actually achieved by Orange and Rockland during the term of the Rate Plans.¹⁴ In addition, the Company is not relieved of the requirements of 16 NYCRR §89.3 with respect to any refunds it receives.

5. Income Taxes and Cost of Removal Audit

On January 11, 2018, the Commission issued an order commencing a focused operations audit to investigate the income tax accounting of Orange and Rockland and

¹⁴ This includes 14 percent of any property tax refunds, finalized during the term of the Rate Plans, but actually received after the end of the term of the Rate Plans (*i.e.*, December 31, 2024).

other New York State utilities in Case 18-M-0013 (“COR Audit”).¹⁵ Specifically, the COR Audit focuses on determining whether an error in income tax accounting occurred with respect to cost of removal (“COR”) as alleged and whether Orange and Rockland ratepayers received the benefit of the lower income tax expenses in rates as a result of the claimed errors. The COR Audit is currently being performed by an independent auditor selected by the Commission on April 23, 2018.¹⁶ The Signatory Parties agree that the final, non-appealable Commission-ordered findings in the COR Audit are binding on the instant proceedings (*i.e.*, any Commission-ordered adjustment to the amounts related to the alleged COR error embedded in the Company’s cost of service forecast (income tax expense and excess deferred federal income tax liability balances) in the instant rate filings will be reconciled (*i.e.*, refunded to or collected from customers) to any Commission-ordered findings in Case 18-M-0013). The Signatory Parties reserve all of their administrative and judicial rights to take and pursue their respective positions with respect to all issues, rulings and decisions in Case 18-M-0013.

6. Allocation of Common Expenses/Plant

During the term of the Rate Plans and thereafter until revised by the Commission, common expenses and common plant will be allocated according to the following percentages: 66.93% electric operations and 33.07% gas operations. Should the Commission approve different common allocation percentages for electric and/or gas

¹⁵ Case 18-M-0013, *In the Matter of a Focused Operations Audit to Investigate the Income Tax Accounting of Certain New York State Utilities*, Order Approving and Issuing the Request for Proposals Seeking a Third-Party Consultant to Perform Audits to Investigate the Income Tax Accounting of Certain New York State Utilities (issued January 11, 2018).

¹⁶ Case 18-M-0013, *supra*, Order Directing Utilities to Enter into Contract with Selected Independent Auditor (issued April 23, 2018).

service prior to the next base rate case for the electric and/or gas businesses, the resulting annual revenue requirement impacts will be deferred for future recovery from or credit to customers.

E. Revenue Allocation/Rate Design and Other Tariff Changes

1. Electric

The revenue allocation and rate design changes being made as part of this Proposal are set forth in Appendix 17.

a. Embedded Cost of Service (“ECOS”) Study

In its next electric rate case, the Company will provide, for illustrative purposes, an alternative ECOS study that excludes T&D components from customer-related costs (*i.e.*, the ECOS study does not make use of the minimum system methodology and poles (FERC Account 364), conductors (FERC Accounts 365, 366, 367) and transformers (FERC Account 368) are classified as entirely demand-related). Following its next electric rate filing, the Company will conduct, for interested parties, a post-filing walk-through of the ECOS study and rate design underlying the proposed electric base delivery rates. Additionally, the Company will provide and review at the walk-through, an explanation of the differences in the ECOS studies filed pursuant to this Proposal, a more detailed explanation of the purpose of each file and cross-references of the underlying data sources, a table of acronyms used, a table of contents, and an index of files.

The Company will study the cost basis for seasonal differentials in its electric tariff. The study is to be completed within one year of the Commission Order adopting the Proposal and circulated to all parties in the case. The Company will schedule a meeting with parties within 60 days of completing the study to discuss the results.

b. Tariff Changes

In addition to the tariff changes required to implement various provisions of this Proposal, a number of tariff changes will be made as summarized below. The specific language of the changes will be set forth in the tariff leaves to be filed with the Commission.

- The Competitive Metering Charges in SC Nos. 2, 3, 9, 20, 21, and 22, and all references to the existing Customer Meter Ownership and Competitive Metering Services provisions in the tariff will be removed. Additionally, the Company will cancel Addendum-MET as part of the RY1 compliance filing made in this case.
- General Information Section Nos. 15 and 16 will contain all supply and delivery-related surcharges.
- The Merchant Function Charge will be labeled as a commodity rate and charge in the tariff (including being a commodity charge for tax-related purposes).
- Standby Service rates will be included in individual service classifications and the Standby Service provisions will be moved to the general information section of the tariff.
- The reconciliation of credit and collections costs and revenues associated with retail access customers whose energy service companies participate in the Company's purchase of receivables program will be amended as described in Appendix 17.
- The ECA will be amended to include provisions for recovery of the following items described in Appendix 9: (1) the Revenue Adjustment Mechanism; (2) the Late Payment Charge reconciliation; and (3) the Covid Uncollectible Expenses Variance. Additional details on these items can also be found in Appendix 17.
- The MSC will be revised to state that the capacity obligation for a customer subject to Mandatory Day Ahead Hourly Pricing cannot be less than zero.
- Updated the Recharge New York bill credit to \$0.00041 per kWh.
- The Company's Economic Development rate under Rider H will be extended for an additional five years.

- New LED options will be added to SC No. 16 and obsolete luminaires will be removed from SC Nos. 4 and 16. Additionally, the wattage ranges on existing LED luminaires will be revised.
- Housekeeping changes will be made to various other provisions of the electric tariff, including the elimination of obsolete provisions as detailed in the direct testimony of the Company Electric Rate Panel.

2. Gas

The revenue allocation and rate design changes being made as part of this Proposal are set forth in Appendix 18.

a. ECOS Study

In its next gas rate case, the Company will provide for illustrative purposes, an alternative ECOS study that excludes T&D components from customer-related costs (*i.e.*, the ECOS study classifies mains (FERC Account 376) as entirely demand-related).

Following its next gas rate filing, the Company will conduct, for interested parties, a walk-through of the ECOS study and rate design underlying the proposed gas base delivery rates. Additionally, the Company will provide and review at the walk-through, an explanation of the differences in the ECOS studies filed pursuant to this Proposal, a more detailed explanation of the purpose of each file and cross-references of the underlying data sources, a table of acronyms used, a table of contents, and an index of files.

b. Marginal Cost Study

The marginal cost study, originally submitted by the Company, forms the basis for the Excelsior Jobs Program (“EJP”) discounts shown below, which will be applicable to customers commencing service on the EJP on or after January 1, 2022:

SC Nos. 2 and 6 – RS IB and II - 47.8 %

c. Interruptible Transportation Rates

SC No. 8 rates will continue to consist of a block rate design and a minimum monthly charge. The minimum monthly charge for 100 Ccf will be set at \$131.00 in RY1 and \$132.00 in RY2. The monthly minimum charge will then remain at \$132.00 until base rates are reset. A Base Charge will continue to be used to determine the block rates for usage greater than 100 Ccf. The Base Charge will be determined each month and shall not exceed 26.8 cents per Ccf during RY1, 27.0 cents per Ccf during RY2, and 27.5 cents per Ccf during RY3 and thereafter until such time as the Commission resets the Company's gas base rates.

d. Tariff Changes

In addition to the tariff changes required to implement various provisions of this Proposal, a number of tariff changes will be made as summarized below. The specific language of the changes will be shown on tariff leaves to be filed with the Commission.

- The SBC and RDM provisions will be moved under one general information section.
- The Merchant Function Charge will be labeled as a commodity rate and charge in the tariff (including being a commodity charge for tax-related purposes).
- The reconciliation of credit and collections costs and revenues associated with retail access customers whose energy service companies participate in the Company's purchase of receivables program will be amended as described in Appendix 18.
- The MGA will be amended to include provisions for recovery of the following items described in Appendix 9: (1) the NPA Adjustment Mechanism; (2) the Late Payment Charge reconciliation; and (3) the Covid Uncollectible Expenses Variance. Additional details on these items can also be found in Appendix 18.
- SC No. 5 will be closed, and all language related to the provisions of this SC have been removed from the tariff.

- The definition of the weather normalization adjustment normal heating degree days will be reset to be 4,945 heating degree days, the average for the 30 calendar years ended December 31, 2019.
- The weather normalization adjustment will be added to the Rates – Monthly section of the applicable service classifications.
- The allowance for residential heating customers will be modified from the current entitlement of 200 feet of main and service (in any combination) to 100 feet of main and 100 feet of service and appurtenant facilities.
- Housekeeping changes will be made to various other provisions of the gas tariff, including the elimination of obsolete provisions and changes meant to simplify tariff administration as detailed in the direct testimony of the Company Gas Rate Panel.

F. Performance Metrics

Performance metrics designed to measure various activities that are applicable to the Company's Electric, Gas and Customer Service Operations, and assess negative and/or positive revenue adjustments where performance targets are not met or are exceeded, are set forth in Appendices 13, 14, and 15. Any negative or positive revenue adjustments incurred by the Company during the Rate Plans relating to the performance metrics will be recovered from or credited to customers through the ECA/MGA over a 12-month period commencing June 1. Any negative or positive revenue adjustments are subject to Staff audit and full reconciliation, even after monies have been recovered from or credited to customers through the ECA/MGA. Any such surcharge or credit will be applicable to customers who are subject to the ECA and MGA on a common cents per kWh or cents per Ccf basis, respectively. The Company will perform an annual reconciliation of these revenue adjustments.

G. Additional Gas and Electric Programs

1. REV Demonstration Project Costs

The Company will continue to manage REV Demonstration Projects during the Rate Plans. Costs are to be reconciled in accordance with Appendix 9. The Company acknowledges that the inclusion of a proposed individual demonstration project under this mechanism does not imply endorsement by Staff, nor whether Staff will approve this project under the established REV Demonstration Proposal process.

2. Pomona NWA

The Company's annual operation and maintenance costs include funding for the continued operation and maintenance of the Pomona battery, which is a valuable component of the overall Pomona NWA Program. These costs include battery vendor services, maintenance on a dedicated fire hydrant and water line at the battery site and communication network fees. Costs are to be reconciled in accordance with Appendix 9.

3. Managed Charging Program

The Company agrees to continue to develop and pursue a managed charging program for review in Case 18-E-0138 to encourage EV operations to charge vehicles during off-peak times to maintain system reliability.

4. AMI-Enabled Natural Gas Detectors ("NGDs")

The Company agrees to install approximately 15,400 AMI-enabled NGDs over the term of the Gas Rate Plan. Orange and Rockland will file with the Secretary an annual report no later than 90 days following the close of each Rate Year. The annual report shall include, at a minimum:

- (1) number of AMI NGDs installed in the subject Rate Year;

- (2) total number of AMI NGDs installed to date;
- (3) costs for installations in the subject Rate Year;
- (4) costs for installations to date;
- (5) alarms received by the control center in the subject Rate Year; and
- (6) actions taken by Orange and Rockland in response to each of the alarms received.

5. Review Gas Interruptible Rates

During the term of the Gas Rate Plan, the Company will examine the current interruptible discount and recommend an adjustment in its next gas base rate case filing, if the Company's analysis supports it.

6. Non-Pipes Alternatives

The Company has completed an initial feasibility review of a portion of the Farm Tap customers to see if and how they could be converted. Orange and Rockland will explore NPAs for these projects, and others including leak prone pipe ("LPP"), to minimize or avoid the replacement of gas infrastructure. As explained in Appendix 14, LPP removed from service with an NPA will count toward the removal target for the Company's annual and cumulative LPP targets.

The Company will continue its ongoing efforts to evaluate the NPA Framework filed by Con Edison in Case 19-G-0066, and will implement aspects of that framework, including lessons learned from the Farm Tap NPA effort, above, to the extent they are applicable to Orange and Rockland. The Company will pursue and report upon NPAs in accordance with requirements established under the Gas Planning Proceeding (Case 20-G-0131). In the event that the Commission has not established the framework and

reporting requirements associated with NPAs in the Gas Planning Proceeding by the end of RY1, the Company will file a petition with the Commission seeking approval for a proposed NPA Framework within 45 days after the end of RY1. This NPA Framework filing will include, but not be limited to, proposed suitability criteria, timing, cost thresholds and a reporting schedule, which will be used to identify a capital project for NPA consideration, resource requirements and recovery mechanisms.

7. Renewable Gas Standards

To the extent that the Commission does not provide clear guidance on the treatment of RNG in its Gas Planning Proceeding Order (Case 20-G-0131), the Company agrees to submit an RNG Plan that would explore what specifically would be required to bring those sources of energy to O&R customers. If necessary, the Company should file this RNG Plan with the Secretary, within six months of the Commission decision in this rate proceeding or Gas Planning Proceeding Order (Case 20-G-0131), whichever comes first.

8. Pipeline Emergency Responders Initiative (“PERI”)

The Company will adopt the principles, as applicable, of the Pipeline Emergency Responders Initiative (“PERI”). On an annual basis, Orange and Rockland will document its outreach to each fire department and other applicable agencies in its service territory for joint drills and/or operational exercises. Costs are to be reconciled in accordance with Appendix 9.

Orange and Rockland will file with the Secretary an annual report no later than 90 days following the close of each Rate Year. The annual report shall include, at a minimum:

- (1) date, location, and times of drills and/or operational exercises;
- (2) outreach documentation;
- (3) number of persons per agency in attendance;
- (4) what topics were reviewed; and
- (5) any applicable recommendations for improvements.

9. Millennium Back-Feed Project

The Company agrees to accelerate efforts to reach agreement with Millennium Pipeline in order to complete the Millennium Back-Feed Project. The Company agrees to provide Staff with periodic updates on the status of this project at the regular quarterly meetings between Staff and the Company.

10. Relocating Inside Meters

Orange and Rockland will relocate gas meters outside when performing replacements (either by insertion or direct bury), new service installations, and where such work may feasibly be performed. Customers that do not consent to the relocation of their meters outside shall sign an acknowledgement form and shall be subject to charges for future inspection costs. Orange and Rockland will commence documenting (*e.g.*, through inside service line inspections) the difficulty, limitations, and/or costs associated with relocating its remaining inside meters to outside locations. The Company will propose an outside meter program, during its next rate proceeding, to address those inside meters that are more difficult, subject to limitations, and/or cost prohibitive to relocate.

11. Certified Gas

The Company is authorized to contract for and purchase certified gas under a pilot program, subject to the following conditions:

- Starting May 31, 2023, the Company will file an annual report containing the following minimum information:
 - calculated greenhouse gas (“GHG”) emissions savings over traditional procurement process,
 - additional cost to customers,
 - cost savings to customers (if GHG emissions penalties would have been assessed),
 - certification reports by 3rd party provider(s), including items evaluated under the certification,
 - volume,
 - reliability issues as a result of added equipment/processes by the producers, and
 - recommended changes/lessons learned to be considered in the future.
- Maximum annual additional commodity cost to customers may not exceed \$100,000 for Orange and Rockland’s share of the joint portfolio with Con Edison.
- The pilot program may start as early as the winter of 2022-2023 and be in place for the duration of this Gas Rate Plan.
- Following the filing of the annual report, the Company will meet with Staff each June to discuss its plan to either continue or terminate the pilot program, based on the data, and make a filing with the Commission if seeking any modifications to the pilot.

12. Little Tor Substation

At the time of this Joint Proposal, the schedule to build Little Tor Substation has not been confirmed and so funding to develop the project is not included in the electric revenue requirement. Notwithstanding the Commission’s adoption of this settlement, the Company may file a petition with the Commission seeking recovery of Little Tor Substation costs via surcharge during the Electric Rate Plan.

13. Refrigerant Management Initiative

During RY1, the Company will evaluate whether a refrigerant management initiative should be incorporated as part of its energy efficiency program. The Company will assess the suitability, potential costs and greenhouse gas emission reductions associated with such an initiative. The Company evaluation will include a benefit-cost analysis under the existing Commission-approved framework. Subject to the results of its evaluation, the Company will seek to integrate the refrigerant management initiative into its energy efficiency program during RY2.

14. Customer-Owned Street Lights

Installation of NLC Nodes for Municipally Owned Street Lights

1. The Company will establish and provide the technical requirements that municipalities must meet to install networked lighting control (NLC) nodes. The technical specifications will allow customers to install and use the NLC Nodes for improved operational efficiency and other applications, but not for billing purposes.

a. The Company must perform an engineering/technical review for all make and model NLC nodes prior to installation. Company will provide customers with progress updates on the review no less than every forty-five (45) days. Once the Company has completed its review of a specific manufacturer's make and model, an engineering/technical review will not be required for that specific NLC node for installations going forward. Company will maintain a list of approved NLC nodes to be shared with customers upon request.

2. The Company will make any required tariff changes to allow for the installation and operation of the NLC nodes within 90 days of a Commission Order adopting this Joint Proposal.

Next Steps for Customer-Owned Street Light Dimming Pilot from Case No. 18-E-0067

1. As described in the Joint Proposal in Case No. 18-E-0067, after obtaining six months of data, the Company will hold a collaborative with interested parties to discuss the results of the pilot. Items to be discussed include but are not limited to: (1) the metering accuracy of the NLC nodes based on a comparison of usage measured by the NLC nodes and usage measured by the Company's revenue grade meters; and (2) methodologies that may be used to account for the reduced usage associated with dimming of municipal-owned streetlights on a SC No. 6 customer's bill. If the evidence warrants, the Parties may pursue a methodology to account for the reduced usage associated with dimming street lights that could take effect during the Rate Plan.

H. Customer Service

1. Outreach and Education

Orange and Rockland will continue to develop and implement outreach and education activities, programs and materials that will aid its customers in understanding their rights and responsibilities as utility customers, as well as provide important safety information. Annually, on April 1 of each calendar year, the Company will file in Case 17-M-0475, an outreach and education plan with the Secretary, along with a summary and assessment of its customer education efforts in the previous year. The annual plan shall include: the goals of the outreach and education program, detailed budgets, the

specific outreach campaign messages to be disseminated, the communication vehicles to be used to disseminate them, and the criteria for measuring the program's achievement.

The Company will continue to provide bill messages, email messages and outbound calls to customers in arrears advising them of availability of payment agreements through 2022. The Company will commit to provide through 2022 the same payment agreement terms that have been/are available through the end of 2021 (standard payment agreements have twelve- to twenty-four month terms). Additionally, the Company will continue to allow customers to develop their own payment agreements (within certain parameters) when setting up payment agreements on ORU.com.

2. Same-Day Electric Service Reconnections

a. Weekday Same-Day Reconnections

The Company will exercise reasonable efforts, within the Company's existing staffing levels and budgets, in attempting 100% same-day electric service reconnection for residential electric customers whose service was disconnected for non-payment at the meter and who become eligible for reconnection (*e.g.*, by making payment) by 5:00 p.m. Monday-Friday, excluding Company holidays. This process does not include customers whose meter was removed or service was cut in the street.

b. New Service Connections

The Company will be set up to be able to query the length of time it takes to establish new service connections with remote Advanced Metering Infrastructure ("AMI") capabilities in relation to customer requested start dates. The queried data will be requested as part of Staff's annual service quality metrics audit.

c. Reporting

The Company will file a report on residential same-day reconnections for each calendar quarter (the “reporting period”). Each report will be filed with the Secretary, with copies provided by email to interested parties, within 30 days after the end of each reporting period. The report will indicate the number of residential electric customer reconnection work orders issued by 5:00 p.m. Monday-Friday, the number of same-day reconnections attempts made to such customers, and the number of completed same-day reconnections.

3. Recording Calls

The Company will, to the extent practicable, record outbound and inbound collection calls to and from the Company’s call centers. The Company will retain records of such calls for 24 months, after which the Company may delete such records.

4. Voluntary Protections During Periods of Extreme Cold and Heat

The Company will implement the following excessive cold weather protections and excessive heat protections.¹⁷

a. Cold Weather Protections

The Company commits to the following additional protections for residential customers during the period of November 1 through April 15 (“Cold Weather Period”).

¹⁷ Weather information that will trigger these protections, including heat index, heat advisory, temperature and the heat index chart will all be as available on the weather.gov website. Weather information for O&R’s Eastern Division will be based on conditions in West Nyack, NY. Weather information for O&R’s Northern Division will be based on conditions in Middletown, NY.

- i. The Company will accept all regular and/or emergency Home Energy Assistance Program (“HEAP”) payments and restore service when necessary upon receipt or guarantee of such a payment. This excludes "Heat Included" benefits for households that pay for heat as a portion of their rental cost as explained in the New York State Office of Temporary and Disability Assistance HEAP Program information outline.
- ii. The Company will consider a Regular and Emergency HEAP payment as entitling the applicant to a fair and reasonable payment agreement regardless of any previous payment agreement defaults. The Company will refrain from scheduling residential service terminations on days when the local weather forecast predicts below-freezing temperatures (*i.e.*, 32 degrees Fahrenheit or less).
- iii. The Company will establish a voluntary moratorium on winter terminations for customers who are elderly, blind or disabled.

b. Excessive Heat Protections

The Company will suspend residential service terminations during a heat advisory. A heat advisory is in place when the heat index is forecasted at 95 degrees Fahrenheit or more for two or more consecutive days and/or when the heat index is forecasted at 100 degrees Fahrenheit or more for one or more consecutive days.

5. Written Confirmation of Unsigned Payment Agreements

The Company will maintain as part of a customer’s account file a record of collection arrangements entered into by oral agreement with the customer. The Company will instruct its call center representatives to offer to send a written summary of such collection arrangements to the customer by mail or email, upon the customer’s request.

6. Digital Customer Experience (“DCX”)

Beginning in RY1, the Company will file quarterly reports with the Secretary on the DCX program that details progress on the re-design of existing digital content and services, and implementation of new digital services/functionality. The Company and its affiliate Con Edison will make future DCX proposals in a manner that includes both companies’ costs and benefits for consistency and transparency and address the timing concern of proposals in individual rate proceedings and the potential impact of such approvals on the other company.

7. Customer Relationship Management (“CRM”) System

The Company plans to scope and implement initial CRM system during the Rate Plans. An annual status report on CRM implementation will be filed with the Secretary by September 30 of each year. The report will include actual spending for the project, the projected completion date of the project and any realized costs savings.

8. 2020 and 2021 Residential Termination/Uncollectible Metric

The Company will forego collection of the Positive Revenue Adjustments associated with the terminations and uncollectible metric authorized by the 2019 Rate Order for the Company’s performance during 2020 and 2021. In light of the COVID-19 pandemic and Chapters 108 of the Laws of New York of 2020 and 106 of the Laws of New York of 2021, which amended Public Service Law § 32 and imposed moratoriums on termination of service for residential and eligible small business customers, the Company’s existing termination and uncollectible metric shall be suspended for the term of the Rate Plans. Reconsideration of the pause on the Termination/Uncollectible metric to be addressed in the next rate proceedings.

9. Reconnection Fee Waiver (Electric)

The Company will waive the reconnection charge for electric customers with remote connect/disconnect capable meters whose service was shut off for non-payment or tampering-related reasons where the Company is able to complete the reconnection of electric service remotely.

I. Electric and Gas Low Income Assistance Programs

1. Monthly Bill Credit

Orange and Rockland's Energy Affordability Program will provide bill discounts to eligible customers consistent with the Commission's Order Adopting Energy Affordability Policy Modifications and Directing Utility Filings issued in Case 14-M-0565 (issued August 12, 2021). The bill discount credits are set forth in the electric and gas tariffs.¹⁸ The level of funding provided for the bill discount credits, subject to symmetrical deferral, is projected to be \$9,988,428 and \$5,395,378 in 2022 for electric and gas credits, respectively, based on the current number of customers in each tier (and set forth in Appendices 6 and 7).

Income Level	Electric Heating	Electric Non-Heat	Gas Heating	Gas Non-Heat
Tier 1	\$48.06	\$48.06	\$14.84	\$3
Tier 2	\$57.16	\$57.16	\$36.64	\$3
Tier 3	\$76	\$76	\$53.32	\$3
Tier 4	\$64.89	\$64.89	\$44.38	\$3

¹⁸ Bill discount credits may change based on the annual Low Income Plan the Company is required to file with analysis of customer bills.

2. Reconnection Fee Waiver

During the term of the Rate Plans, the Company will continue its policy of waiving its reconnection fee for any Orange and Rockland electric and/or gas customer who is enrolled in the Company's Low Income Program, according to the terms set forth in the Company's electric and gas tariffs.

3. Reporting Requirements

The Company will file quarterly Low Income reports as directed by the Commission in the Low Income Order.

J. Earnings Adjustment Mechanisms ("EAMs")

Incentives associated with Electric EAMs will continue to be recovered through the EAM Surcharge component of the Company's ECA Mechanism.

Recovery will be over a 12-month period commencing July 1. Recovery will be on a kWh basis for non-demand customers and on a kW basis for demand customers (on a kW of contract demand basis for standby customers), with rates determined for the following service classification groups:

Group 1: SC Nos. 1 and 19;

Group 2: SC No. 2 Secondary Non-Demand Billed;

Group 3: SC Nos. 2 Secondary and 20;

Group 4: SC Nos. 2 Primary, 3, and 21;

Group 5: SC Nos. 9 and 22; and

Group 6: SC Nos. 4, 5, 6, and 16.

Such collection will be based on the aggregate results of the following allocation methodologies divided by either forecast kWh or kW over the respective recovery period:

- Peak Reduction Metric and Circuit Load Factor Metric will be allocated using the transmission demand allocator (D01);
- Electric Energy Efficiency (Share the Savings) Metric and Cross Commodity Gas/Electric LMI Customer Savings (Electric portion), and Environmentally Beneficial Electrification Metrics (EV Make Ready Share the Savings DC Fast Charger Installations, EV Make Ready Share the Savings Level 2 Installations, EV Adoption and Heat Pump Carbon Reduction) will be allocated using the energy allocator (E01); and
- DER Utilization Metrics (Solar PV and Storage) will be allocated using the following three allocators that will be equally weighted: coincident peak (D01), non-coincident peak (D02), and energy allocator (E01).

These rates will be applied to the energy (kWh) or demand (kW) deliveries, as applicable, on the bills of all customers served under the above-mentioned SC groups.

Recoveries (eleven months actual, one month forecast) will be reconciled to allocable costs for each 12-month recovery period ending June 30, with any over or under recoveries included in the development of the succeeding EAM Surcharge component of the ECA. Reconciliation amounts related to the one month forecast will be included in the next subsequent rates determination.

Incentives associated with the Gas EAMs will continue to be recovered through the EAM Surcharge component of the Company's MGA Mechanism. Recovery will be

over a 12-month period commencing July 1. Recovery will be on a Ccf basis with a uniform factor developed, based on forecast Ccf over the respective recovery period, and applied to all deliveries on the bills of all customers served under SC Nos. 1, 2, and 6. Recoveries (eleven months actual, one month forecast) will be reconciled to allocable costs for each 12-month recovery period ending June 30, with any over or under recoveries included in the development of the succeeding EAM Surcharge component of the MGA. Reconciliation amounts related to the one-month forecast will be included in the next subsequent rates determination.

Orange and Rockland will adopt electric and gas EAMs as of January 1, 2022. Achievement of EAMs will be measured on December 31, 2022 and thereafter on a Rate Year basis over the term of the Rate Plans for all metrics except the Gas Peak Reduction Metric which will be measured from April 2022 through March 2023. There are eight EAM metrics for electric, two EAM metrics for gas and one cross-commodity (both electric and gas) EAM metric. All EAM targets and incentives are set forth in Appendix 16.

K. Miscellaneous Provisions

1. Continuation of Provisions; Rate Changes; Reservation of Authority

Unless otherwise expressly provided herein, the provisions of this Proposal will continue after RY3 for electric and for gas, unless and until electric or gas base delivery service rates, respectively, are reset by Commission order. For any provision subject to RY1, RY2 and RY3 targets, the RY3 target shall be applicable to any additional Rate Year(s).

Nothing herein precludes Orange and Rockland from filing a new general electric rate case or a new general gas rate case prior to January 1, 2025, for rates to be effective on or after January 1, 2025.

Changes to the Company's base delivery service rates during the term of the Electric or Gas Rate Plan will not be permitted, except for (a) changes provided for in this Proposal; and (b) subject to Commission approval, changes as a result of the following circumstances:

a. A minor change in any individual base delivery service rate or rates whose revenue effect is *de minimis*, or essentially offset by associated changes within the same class or for other classes. It is understood that, over time, such minor changes are routinely made and that they may continue to be sought during the term of the Electric and Gas Rate Plans, provided they will not result in a change (other than a *de minimis* change) in the revenues that Orange and Rockland's base delivery service rates are designed to produce overall before such changes.

b. If a circumstance occurs which, in the judgment of the Commission, so threatens Orange and Rockland's economic viability or ability to maintain safe, reliable and adequate service as to warrant an exception to this undertaking, Orange and Rockland will be permitted to file for an increase in base delivery service rates at any time under such circumstances.

c. The Signatory Parties recognize that the Commission reserves the authority to act on the level of Orange and Rockland's electric and/or gas rates in the event of unforeseen circumstances that, in the Commission's opinion, have such a substantial impact on the range of earnings levels or equity costs envisioned by these

Rate Plans as to render Orange and Rockland's electric and/or gas rates unreasonable or insufficient for the provision of safe and adequate service at just and reasonable rates.

d. Nothing herein will preclude any Signatory Party from petitioning the Commission for approval of new services, the implementation of new service classifications and/or cancellation of existing service classifications, or rate design or revenue allocation changes within or among service classes, which are not contrary to the agreed upon terms and conditions set forth herein. All changes will be implemented on a revenue neutral and earnings neutral basis.

e. The Signatory Parties reserve the right to support or oppose any filings made under this Section.

2. Legislative, Regulatory and Related Actions

a. If at any time the federal government, State of New York and/or other local governments make changes in their tax laws (other than local property taxes, which will be reconciled in accordance with Appendix 9 of this Proposal), that result in a change in the Company's costs¹⁹ in an annual amount, calculated and applied separately for electric and gas, equating to ten basis points of return on common equity or more,²⁰ and if the Commission does not address the treatment (*e.g.*, through a surcharge or credit) of any such tax law changes, including any new, additional, repealed or reduced federal, State, local government taxes, fees or levies, Orange and Rockland will defer on its books

¹⁹ Costs in this context include current and deferred tax impacts.

²⁰ For electric, such amounts are estimated to be \$0.679 million in RY1, \$0.694 million in RY2 and \$0.761 million in RY3. For gas, such amounts are estimated to be \$0.377 million in RY1, \$0.405 million in RY2 and \$0.433 million in RY3.

of account the full change in expense and reflect such deferral as credits or debits to customers in the next base rate change subject to any final Commission determination in a generic proceeding prescribing utility implementation of a specific tax enactment, including a Commission determination of any Company-specific compliance filing made in connection therewith.²¹

b. If at any time any other law, rule, regulation, order, or other requirement or interpretation (or any repeal or amendment of an existing rule, regulation, order or other requirement) of the federal, State, or local government or courts, results in a change in Orange and Rockland's annual electric or gas revenues, costs or expenses not anticipated in the forecasts and assumptions on which the rates in this Proposal are based in an annual amount, calculated and applied separately for electric and gas, equating to ten basis points of return on common equity or more,²² Orange and Rockland will defer on its books of account the full change in expense, with any such deferrals to be reflected in the next base rate case or in a manner to be determined by the Commission.

c. The Company will retain the right to petition the Commission for authorization to defer on its books of account extraordinary expenditures not otherwise addressed by this Proposal.

²¹ All Signatory Parties reserve all of their administrative and judicial rights in connection with such generic proceeding(s).

²² For purposes of this Proposal, the ten basis points return on common equity will be applied on a case-by-case basis and not to the aggregate impact of changes of two or more laws, rules, etc.; provided, however, that this threshold will be applied on a Rate Year basis to the incremental aggregate impact of all contemporaneous changes (*e.g.*, changes made as a package even if they occur or are implemented over a period of months) affecting a particular subject area and not to the individual provisions of the new law, rule, etc.

3. Recognition of Policy Proceedings

a. The Signatory Parties recognize that the Commission conducts proceedings associated with statewide policy objectives that may impact the Company during the term of the Rate Plans (*e.g.*, the Energy Affordability Program (Case 14-M-0565), the Gas Planning Proceeding (Case 20-G-0131), the Value of DER proceeding (Case 15-E-0751), the REV proceeding (Case 14-M-0101), and energy efficiency proceedings (Cases 15-M-0252 and 18-M-0084)). This Proposal does not limit the Commission's ability to require the Company to implement changes or take certain actions pursuant to these or other policy proceedings during the term of the Rate Plans. The Signatory Parties reserve all of their administrative and judicial rights to take and pursue their respective positions with respect to all issues and Commission proposals and initiatives in these policy proceedings. In the event that Commission determinations in such proceedings cause the Company to incur incremental costs that are not otherwise addressed through cost-recovery mechanisms or a right to defer such costs for future recovery from customers, the Company will defer on its books of account the full change in expense as required by Section K.2.b.

b. Nothing herein will preclude any Signatory Party from (i) petitioning the Commission to extend, modify or establish programs relating to energy efficiency, demand response (including, but not limited to, direct load control) and demand management (including, but not limited to, targeted demand management), and (ii) filing for approval of programs in response to an order(s) or other issuances designed

to further the New York State Energy Plan goals, CLCPA implementation²³ or the implementation of REV objectives and principles, including, but not limited to, the Distributed System Platform and demonstration projects; provided that any such petition or filing is not contrary to the agreed upon terms and conditions set forth in this Proposal. All changes will be implemented on a revenue neutral and earnings neutral basis.

4. Financial Protections

Annually, the Company will provide Staff with the five-year earnings forecast for Consolidated Edison Inc. (“CEI”) and each direct subsidiary of CEI (*e.g.*, Consolidated Edison Company of New York, Inc., Orange and Rockland, Con Edison Transmission, Inc. and Con Edison Clean Energy Businesses, Inc.). The forecast will include the income statement, balance sheet and cash flow statements for CEI and each above-listed direct subsidiary of CEI. The Company will submit the forecast to Staff no later than 30 calendar days after it is reviewed by the Finance Committee of CEI’s Board of Directors. The Company will update Staff when there are material changes to the five-year forecast.

After the completion of the Company’s annual audit by its external auditors, Orange and Rockland will provide Staff with actual financial statements (*i.e.*, income statement, balance sheet, cash flow statement and consolidating adjustments) for CEI and each direct subsidiary for the previous year. The Company will submit those statements to Staff no later than thirty (30) calendar days after the completion of the annual audit by its external auditors.

²³ Notwithstanding the Commission’s adoption of this settlement, the Company may make a tariff filing with the Commission providing for recovery of incremental CLCPA implementation costs via surcharge.

The five-year earnings forecast and actual financial statements will be provided to Staff by filing with the Records Access Officer pursuant to the Commission's trade secret process. The Company reserves the right to object to the use of such confidential information in other proceedings.

No additional ring-fencing measures will be implemented at this time. The Company will evaluate two metrics at the end of each semi-annual period ending June 30 and December 31. The first metric will calculate whether investments in CEI's non-utility businesses exceed 15 percent of CEI's total consolidated operations as measured by revenues, assets, or cash flow. The second metric will calculate if the ratio of holding company debt (which will measure only direct debt obligations of CEI and exclude non-recourse financing by non-utility entities) as a percentage of total consolidated debt exceeds 20 percent. The Company will notify the Commission no later than 60 days after the end of a semi-annual period if any of the financial protection metric thresholds are exceeded. Within 60 days of such a notification, the Company will submit a filing providing a ring-fencing plan to insulate the Company or, in the alternative, demonstrating why additional ring-fencing measures are not necessary at that time.

5. Trade Secret Protection

Nothing in this Proposal prevents Orange and Rockland from seeking trade secret protection under 16 NYCRR Part 6 for all or any part(s) of any document or report filed (or submitted to Staff) in accordance with the Rate Plans or prohibits or restricts any other Signatory Party from challenging any such request.

6. Provisions Not Separable

The Signatory Parties intend this Proposal to be a complete resolution of all the issues in Cases 21-E-0074 and 21-G-0073. It is understood that each provision of this Proposal is in consideration and support of all the other provisions, and expressly conditioned upon acceptance by the Commission. Except as set forth herein, none of the Signatory Parties is deemed to have approved, agreed to or consented to any principle, methodology or interpretation of law underlying or supposed to underlie any provision herein. If the Commission fails to adopt this Proposal according to its terms, then the Signatory Parties to this Proposal will be free to pursue their respective positions in this proceeding without prejudice.

7. Provisions Not Precedent

The terms and provisions of this Proposal apply solely to, and are binding only in, the context of the purposes and results of this Proposal. None of the terms or provisions of this Proposal and none of the positions taken herein by any Signatory Party may be referred to, cited, or relied upon by any other Signatory Party in any fashion as precedent or otherwise in any other proceeding before this Commission or any other regulatory agency or before any court of law for any purpose other than furtherance of the purposes, results, and disposition of matters governed by this Proposal.

Concessions made by Signatory Parties on various electric and gas issues do not preclude those Signatory Parties from addressing such issues in future rate proceedings or in other proceedings.

8. Submission of Proposal

The Signatory Parties agree to submit this Proposal to the Commission and to individually support and request its adoption by the Commission as set forth herein. The Signatory Parties hereto believe that the Proposal will satisfy the requirements of Public Service Law §65(1) that Orange and Rockland provide safe and adequate service at just and reasonable rates.

9. Procedures in the Event of a Disagreement

In the event of any disagreement over the interpretation of this Proposal or the implementation of any of the provisions of this Proposal, which cannot be resolved informally among the Signatory Parties, such disagreement will be resolved as follows: the Signatory Parties promptly will confer and in good faith will attempt to resolve such disagreement. If any such disagreement cannot be resolved by the Signatory Parties within 15 business days from notification invoking this process, or a longer period if agreed to by the Signatory Parties, any Signatory Party may petition the Commission for a determination on the disputed matter.

10. Effect of Commission Adoption of Terms of this Proposal

No provision of this Proposal or the Commission's adoption of the terms of this Proposal shall in any way abrogate or limit the Commission's statutory authority under the Public Service Law. The Parties recognize that any Commission adoption of the terms of this Proposal does not waive the Commission's ongoing rights and responsibilities to enforce its orders and effectuate the goals expressed therein, nor the rights and responsibilities of Staff to conduct investigations or take other actions in furtherance of its duties and responsibilities.

11. Further Assurances

The Signatory Parties recognize that certain provisions of this Proposal require that actions be taken in the future to fully effectuate this Proposal. Accordingly, the Signatory Parties agree to cooperate with each other in good faith in taking such actions.

12. Scope of Provisions

No term or provision of this Proposal that relates specifically to one but not both electric and gas service, limits any rights of the Company or any Signatory Party to petition the Commission for any purpose with respect to the service not specified in such term or provision.

13. Execution

This Proposal is being executed in counterpart originals and shall be binding on each Signatory Party when the counterparts have been executed.

IN WITNESS WHEREOF, the Signatory Parties hereto have affixed their signatures below as evidence of their agreement to be bound by the provisions of this Proposal.

ORANGE AND ROCKLAND
UTILITIES, INC.

Dated:

October 29, 2021

By:

John L. Carley
Associate General Counsel

NEW YORK STATE DEPARTMENT OF
PUBLIC SERVICE

Dated: October 29, 2021

By: 
Lindsey Overton Orietas
Staff Counsel

NEW YORK POWER AUTHORITY

Dated: Oct 29, 2021

By: 
Sarah Salati (Oct 29, 2021 13:34 EDT)

Sarah Salati

Cases 21-G-0073 & 21-E-0074

NEW YORKERS FOR COOL
REFRIGERANT MANAGEMENT

Dated: 10/28/2021

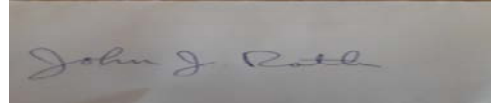
By: 

Tara Vamos
Policy Team Leader

NEW YORK GEOTHERMAL ENERGY
ORGANIZATION

Dated: October 29, 2021

By:

A rectangular box containing a handwritten signature in dark ink. The signature appears to read "John J. Rath" in a cursive script.

John Rath
Director of Operations

ORANGE AND ROCKLAND UTILITIES, INC.
Case 21-E-0074
Electric Revenue Requirement
For The Twelve Months Ending December 31, 2022
\$ 000's

	Rate Year 1 Forecast	Rate Change	Rate Year 1 With Rate Change
Operating revenues			
Sales & deliveries to public	\$ 450,883	\$ 4,939	\$ 455,822
Sales for resale	15,479		15,479
Other operating revenues	12,386	34	12,420
Total operating revenues	<u>478,748</u>	<u>4,973</u>	<u>483,721</u>
Operating expenses			
Purchased power	100,534		100,534
Load Dispatching	504		504
Operations & maintenance expense	173,024	25	173,049
Depreciation	62,001		62,001
Regulatory amortization	11,791		11,791
Taxes other than income taxes	55,572	84	55,656
Total operating expenses	<u>403,426</u>	<u>109</u>	<u>403,535</u>
Operating income before income taxes	<u>75,322</u>	<u>4,864</u>	<u>80,186</u>
New York State income taxes	3,287	353	3,640
Federal income taxes	<u>6,501</u>	<u>947</u>	<u>7,448</u>
Utility operating income	<u>\$ 65,535</u>	<u>\$ 3,564</u>	<u>\$ 69,099</u>
Rate Base	<u>\$ 1,021,008</u>		<u>\$ 1,021,008</u>
Rate of Return	<u>6.42%</u>		<u>6.77%</u>

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Revenue Requirement

For The Twelve Months Ending December 31, 2022 and December 31, 2023

\$ 000's

	Rate Year 1 With Rate Change	Rate Year 2 Revenue/Expense Rate Base Changes	Rate Change	Rate Year 2 With Rate Change
Operating revenues				
Sales & deliveries to public	\$ 455,822	\$ (2,021)	\$ 16,158	\$ 469,959
Sales for resale	15,479	549	-	16,028
Other operating revenues	12,420	356	111	12,888
Total operating revenues	<u>483,721</u>	<u>(1,116)</u>	<u>16,269</u>	<u>498,875</u>
Operating expenses				
Purchased power	100,534	(961)	-	99,573
Load Dispatching	504	10	-	514
Operations & maintenance expense	173,049	6,968	81	180,098
Depreciation	62,001	3,848	-	65,848
Regulatory amortization	11,791	1,736	-	13,527
Taxes other than income taxes	55,656	1,668	276	57,600
Total operating expenses	<u>403,535</u>	<u>13,268</u>	<u>357</u>	<u>417,160</u>
Operating income before income taxes	<u>80,186</u>	<u>(14,384)</u>	<u>15,912</u>	<u>81,715</u>
New York State income taxes	3,640	(1,144)	1,154	3,650
Federal income taxes	<u>7,448</u>	<u>(2,736)</u>	<u>3,099</u>	<u>7,811</u>
Utility operating income	<u>\$ 69,099</u>	<u>\$ (10,504)</u>	<u>\$ 11,659</u>	<u>\$ 70,254</u>
Rate Base	<u>\$ 1,021,008</u>	<u>\$ 22,625</u>		<u>\$ 1,043,633</u>
Rate of Return	<u>6.77%</u>			<u>6.73%</u>

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Revenue Requirement

For The Twelve Months Ending December 31, 2023 and December 31, 2024

\$ 000's

	Rate Year 2 With Rate Change	Rate Year 3 Revenue/Expense Rate Base Changes	Rate Change	Rate Year 3 With Rate Change
Operating revenues				
Sales & deliveries to public	\$ 469,959	\$ (4,826)	\$ 23,129	\$ 488,262
Sales for resale	16,028	64	-	16,092
Other operating revenues	12,888	353	160	13,401
Total operating revenues	<u>498,875</u>	<u>(4,409)</u>	<u>23,289</u>	<u>517,755</u>
Operating expenses				
Purchased power	99,573	(5,407)	-	94,166
Load Dispatching	514	10	-	524
Operations & maintenance expense	180,098	2,543	116	182,756
Depreciation	65,848	9,121	-	74,969
Regulatory amortization	13,527	1,657	-	15,184
Taxes other than income taxes	57,600	1,805	395	59,800
Total operating expenses	<u>417,160</u>	<u>9,729</u>	<u>511</u>	<u>427,399</u>
Operating income before income taxes	<u>81,714</u>	<u>(14,137)</u>	<u>22,778</u>	<u>90,356</u>
New York State income taxes	3,650	(1,266)	1,651	4,034
Federal income taxes	<u>7,811</u>	<u>(2,824)</u>	<u>4,437</u>	<u>9,424</u>
Utility operating income	<u>\$ 70,254</u>	<u>\$ (10,047)</u>	<u>\$ 16,690</u>	<u>\$ 76,897</u>
Rate Base	<u>\$ 1,043,633</u>	<u>\$ 100,414</u>		<u>\$ 1,144,047</u>
Rate of Return	<u>6.73%</u>			<u>6.72%</u>

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Other Operating Revenues

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
<u>Miscellaneous Service & Other Revenues</u>					
AMI/AMR Meter Reading/Change Out Fees	\$ 145	\$ -	\$ 145	\$ -	\$ 145
Customer Reconnect Fees	23	-	23	-	23
Late Payment Charges	1,450	97	1,547	126	1,673
POR Discount	979	-	979	-	979
Shared Meter Assessment	-	-	-	-	-
Agency Checks Dishonored	1	-	1	-	1
Acceller Inc.	-	-	-	-	-
Bad Check Charge	77	-	77	-	77
Collection Charges	61	-	61	-	61
NYSERDA	2	-	2	-	2
Solar Application Fee	91	-	91	-	91
Other	2	-	2	-	2
Total Miscellaneous Service & Other Revenues	2,830	97	2,928	126	3,054
<u>Rents</u>					
Joint Operating Rents	6,388	319	6,707	335	7,042
Pole Attachment and Parity Billings	2,600	51	2,651	51	2,702
Other Rents	602	-	602	-	602
Total Rents	9,590	370	9,960	387	10,347
Total Other Operating Revenue	\$ 12,420	\$ 467	\$ 12,888	\$ 513	\$ 13,401

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Operations & Maintenance Expenses

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 1	Rate Year 2 Changes	Rate Year 2	Rate Year 3 Changes	Rate Year 3
Fuel and Purchased Power	\$ 100,534	\$ (961)	\$ 99,573	\$ (5,407)	\$ 94,167
A & G Health Insurance and Capital Overhead	(968)	(29)	(997)	(35)	(1,032)
Bond Administration & Bank Fees	333	6	340	7	346
Company Labor	62,703	2,459	65,162	2,767	67,929
Customer Billing Postage	1,317	25	1,342	26	1,368
Employee Welfare Expense	9,338	424	9,761	606	10,367
Executive Variable Pay	-	-	-	-	-
Facilities	1,376	26	1,402	27	1,429
Information Technology	5,762	923	6,685	585	7,270
Informational Advertising	319	6	325	6	331
Injuries & Damages/ Workers Compensation	228	(3)	225	18	243
Institutional Dues & Subscription	31	1	32	1	33
Insurance Premium	923	18	941	18	959
Intercompany Shared Services	14,375	(47)	14,327	154	14,481
Legal and Other Professional Services	425	8	433	8	441
Load Dispatching	504	10	513	10	523
Ops - Corporate & Shared Services	6,716	223	6,939	166	7,104
Ops - Customer Operations	5,340	556	5,897	233	6,129
Ops - Electric Operations	24,325	1,840	26,165	695	26,860
Ops - Engineering	1,529	684	2,213	47	2,259
Ops - Substation Operations	1,809	45	1,853	45	1,899
Other Compensation	325	1	326	0	327
Pension and OPEB Costs	2,481	-	2,481	-	2,481
Site Investigation & Remediation	1,442	816	2,258	177	2,435
Regulatory Commission Expense - General and R&D	2,230	43	2,273	44	2,316
Renewable Portfolio Charges	7,099	(153)	6,946	(495)	6,451
Rent	2,336	53	2,389	43	2,432
Research and Development	678	13	691	13	704
Storm Allowance	8,000	154	8,154	157	8,310
System Benefit Charge	13,274	(285)	12,989	(927)	12,062
Uncollectible Reserve - Customer	2,256	70	2,326	92	2,418
Uncollectible Reserve - Sundry	770	-	770	-	770
Worker's Comp NYS Assessment	142	3	144	3	147
Bargaining Unit Contract Cost	70	-	70	-	70
Environmental Affairs	188	-	188	-	188
External Audit Services	419	8	427	8	435
Finance & Accounting Operations	7	0	7	0	7
Other O&M	55	3	58	(1)	57
Business Cost Optimization	(2,964)	(1,230)	(4,194)	(1,857)	(6,051)
Company Labor - Fringe Benefit Adjustment	39	81	119	66	186
Company Labor - Productivity	(1,676)	308	(1,368)	(37)	(1,405)
Total O&M Expenses	\$ 274,087	\$ 6,098	\$ 280,185	\$ (2,739)	\$ 277,446

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Taxes Other Than Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 1	Rate Year 2 Changes	Rate Year 2	Rate Year 3 Changes	Rate Year 3
<u>Property Taxes</u>					
State, County & Town	\$13,489	\$641	\$14,130	\$301	\$14,431
Village	2,081	42	2,123	40	2,163
School	27,737	797	28,534	1,321	29,855
Total Property Taxes	43,307	1,480	44,787	1,662	46,449
Payroll Taxes	4,491	251	4,742	248	4,990
Revenue Taxes	7,810	211	8,021	291	8,312
<u>Other Taxes</u>					
Sale & Use Tax	3	-	3	-	3
Other Taxes	46	1	47	-	47
Total Other Taxes	49	1	50	-	50
Total Taxes Other Than Income Taxes	\$ 55,657	\$ 1,943	\$ 57,600	\$ 2,201	\$ 59,801

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric New York State Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 1	Rate Year 2 Changes	Rate Year 2	Rate Year 3 Changes	Rate Year 3
Operating Income Before Income Taxes	\$80,186	\$ 1,529	\$81,715	\$ 8,641	\$90,356
Interest Expense	(25,873)	(1,406)	(27,279)	(1,679)	(28,958)
Book Income Before State Income Taxes	54,313	123	54,436	6,962	61,398
<u>Tax Computation</u>					
Current State Income Taxes	905	17	922	(645)	277
Deferred State Income Taxes	2,735	(8)	2,727	1,030	3,757
NYS Income Tax Expense	\$ 3,640	\$ 9	\$ 3,649	\$ 385	\$ 4,034

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Electric Federal Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
Operating Income Before Income Taxes	\$80,186	\$ 1,529	\$81,715	\$ 8,641	\$90,356
Interest Expense	(25,873)	(1,406)	(27,279)	(1,679)	(28,958)
Book Income Before Income Taxes	54,313	123	54,436	6,962	61,398
<u>Tax Computation</u>					
Current Federal Income Taxes	6,342	(252)	6,090	(1,900)	4,190
Deferred Federal Income Taxes	5,740	390	6,130	3,465	9,595
Excess Deferred Federal Income Tax - Property	(5,913)	226	(5,687)	47	(5,640)
Excess Deferred Federal Income Tax - Non-Property	1,614	-	1,614	-	1,614
R&D Tax Credit	(335)	-	(335)	-	(335)
Federal Income Tax Expense	\$ 7,448	\$ 364	\$ 7,812	\$ 1,612	\$ 9,424

Orange and Rockland Utilities, Inc.
Rate Case 21-E-0074
Average Electric Rate Base
For Twelve Months Ending December 31, 2022 and December 31, 2023
(\$000's)

	Rate Year 1	Rate Year 2 Changes	Rate Year 2
<u>Utility Plant</u>			
Electric Plant In Service	\$ 1,630,834	\$ 56,668	\$ 1,687,502
Electric Plant Held For Future Use	8,102	-	8,102
Common Utility Plant (Electric Allocation)	229,440	22,468	251,908
Total	1,868,376	79,136	1,947,512
<u>Utility Plant Reserves:</u>			
Accumulated Reserve for Depreciation - Plant in Service	(575,894)	(45,468)	(621,362)
Accumulated Reserve for Depreciation - Common Plant (Electric Allocation)	(117,866)	(10,596)	(128,462)
Total	(693,760)	(56,064)	(749,824)
Net Plant	1,174,616	23,072	1,197,688
Non-Interest Bearing CWIP	45,122	1,411	46,533
Working Capital - Materials/Supplies, Prepayment and Cash Working Capital	58,301	1,698	59,999
Unamortized Premium & Discount	5,898	132	6,030
Customer Advance Construction	(13,251)	-	(13,251)
Net Deferrals / Credits from Reconciliation Mechanisms	65,839	655	66,495
<u>Accumulated Deferred Income Taxes</u>			
Accumulated Deferred Federal Income Taxes	(205,640)	(1,705)	(207,345)
Accumulated Deferred State Income Taxes	(41,761)	(2,687)	(44,447)
Total	(247,401)	(4,391)	(251,792)
Average Rate Base	1,089,125	22,576	1,111,702
Earnings Base Capitalization Adjustment to Rate Base	(66,434)	-	(66,434)
Isaias Storm Settlement Forecast Earning	(1,683)	49	(1,634)
Total Average Rate Base	\$ 1,021,008	\$ 22,625	\$ 1,043,633

Orange and Rockland Utilities, Inc.
Rate Case 21-E-0074
Average Electric Rate Base
For Twelve Months Ending December 31, 2023 and December 31, 2024
(\$000's)

	Rate Year 2	Rate Year 3 Changes	Rate Year 3
<u>Utility Plant</u>			
Electric Plant In Service	\$ 1,687,502	\$ 140,659	\$ 1,828,161
Electric Plant Held For Future Use	8,102	-	8,102
Common Utility Plant (Electric Allocation)	251,908	23,485	275,392
Total	1,947,512	164,144	2,111,656
<u>Utility Plant Reserves:</u>			
Accumulated Reserve for Depreciation - Plant in Service	(621,362)	(48,299)	(669,662)
Accumulated Reserve for Depreciation - Common Plant (Electric Allocation)	(128,462)	(9,768)	(138,230)
Total	(749,824)	(58,067)	(807,891)
Net Plant	1,197,688	106,076	1,303,764
Non-Interest Bearing CWIP	46,533	(1,657)	44,876
Working Capital - Materials/Supplies, Prepayment and Cash Working Capital	59,999	935	60,934
Unamortized Premium & Discount	6,030	(30)	6,000
Customer Advance Construction	(13,251)	-	(13,251)
Net Deferrals / Credits from Reconciliation Mechanisms	66,495	1,910	68,405
<u>Accumulated Deferred Income Taxes</u>			
Accumulated Deferred Federal Income Taxes	(207,345)	(3,675)	(211,020)
Accumulated Deferred State Income Taxes	(44,447)	(3,196)	(47,643)
Total	(251,792)	(6,871)	(258,664)
Average Rate Base	1,111,702	100,364	1,212,065
Earnings Base Capitalization Adjustment to Rate Base	(66,434)	-	(66,434)
Isaias Storm Settlement Forecast Earning	(1,634)	50	(1,584)
Total Average Rate Base	\$ 1,043,633	\$ 100,414	\$ 1,144,047

Orange and Rockland Utilities, Inc.

Case 21-E-0074

Average Capital Structure & Cost of Money

For the Twelve Months Ending December 31, 2022, December 31, 2023 and December 31, 2024

RY 1

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.58%	2.35%	2.35%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.35%	2.35%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.77%	8.38%

RY 2

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.51%	2.32%	2.32%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.32%	2.32%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.73%	8.34%

RY 3

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.49%	2.31%	2.31%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.31%	2.31%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.72%	8.33%

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Calculation of Levelized Rate Increase
For the Twelve Months Ending December 31, 2022, December 31, 2023 and December 31, 2024
\$ 000's

Other Customer Provided Capital Rate = 1.8%

Revenue Requirement	Twelve Months Ending December 31,			Cumulative
	2022	2023	2024	Total
R Y - 1	\$4,939	\$ 4,939	\$ 4,939	\$ 14,817
R Y - 2		16,158	16,158	32,317
R Y - 3			23,129	23,129
Total	\$ 4,939	\$ 21,097	\$ 44,226	\$ 70,263

Levelized rate increase
without interest

R Y - 1	\$ 11,710	\$ 11,710	\$ 11,710	\$ 35,131
R Y - 2		\$ 11,710	\$ 11,710	23,421
R Y - 3			\$ 11,710	11,710
Total	\$ 11,710	\$ 23,421	\$ 35,131	\$ 70,263

Variation	\$ (6,771)	\$ (2,323)	\$ 9,095	\$ 0
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Interest on Variation (Net of Tax)	\$ (45)	\$ (106)	\$ (61)	\$ (211)
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Levelized rate increase with interest

R Y - 1	11,675	\$ 11,675	\$ 11,675	\$ 35,026
R Y - 2		\$ 11,675	\$ 11,675	23,351
R Y - 3			11,675	11,675
Total	\$ 11,675	\$ 23,351	\$ 35,026	\$ 70,052

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Gas Revenue Requirement
For The Twelve Months Ending December 31, 2022
\$ 000's

	Rate Year 1 Forecast	Rate Change	Rate Year 1 With Rate Change
Operating revenues			
Sales revenues	\$ 237,929	\$ 660	\$ 238,589
Other operating revenues	1,757	3	1,760
Total operating revenues	<u>239,686</u>	<u>663</u>	<u>240,348</u>
Operating expenses			
Purchased gas costs	70,117	-	70,117
Operations & maintenance expenses	65,088	3	65,091
Depreciation	28,470	-	28,470
Regulatory amortizations	(845)	-	(845)
Taxes other than income taxes	31,719	11	31,730
Total operating expenses	<u>194,549</u>	<u>14</u>	<u>194,563</u>
Operating income before income taxes	<u>45,137</u>	<u>649</u>	<u>45,786</u>
New York State income taxes	2,135	47	2,182
Federal income taxes	<u>5,186</u>	<u>126</u>	<u>5,312</u>
Utility operating income	<u>\$ 37,816</u>	<u>\$ 475</u>	<u>\$ 38,291</u>
Rate Base	<u>\$ 565,784</u>		<u>\$ 565,784</u>
Rate of Return	<u>6.68%</u>		<u>6.77%</u>

Orange and Rockland Utilites, Inc.
Case 21-G-0073
Gas Revenue Requirement
For The Twelve Months Ending December 31, 2022 and December 31, 2023
\$ 000's

	Rate Year 1 With Rate Change	Rate Year 2 Revenue/Expense Rate Base Changes	Rate Change	Rate Year 2 With Rate Change
Operating revenues				
Sales revenues	\$ 238,589	\$ 11,250	\$ 7,395	\$ 257,234
Other operating revenues	1,760	126	29	1,915
Total operating revenues	<u>240,348</u>	<u>11,376</u>	<u>7,424</u>	<u>259,149</u>
Operating expenses				
Purchased gas costs	70,117	9,694	-	79,811
Operations & maintenance expenses	65,091	2,318	37	67,446
Depreciation	28,470	2,504		30,974
Regulatory amortizations	(845)	194		(652)
Taxes other than income taxes	31,730	682	124	32,536
Total operating expenses	<u>194,563</u>	<u>15,392</u>	<u>161</u>	<u>210,115</u>
Operating income before income taxes	<u>45,785</u>	<u>(4,015)</u>	<u>7,263</u>	<u>49,034</u>
New York State income taxes	2,182	(350)	527	2,359
Federal income taxes	<u>5,312</u>	<u>(901)</u>	<u>1,415</u>	<u>5,826</u>
Utility operating income	<u>\$ 38,290</u>	<u>\$ (2,764)</u>	<u>\$ 5,321</u>	<u>\$ 40,848</u>
Rate Base	<u>\$ 565,784</u>	<u>\$ 41,011</u>		<u>\$ 606,795</u>
Rate of Return	<u>6.77%</u>			<u>6.73%</u>

Orange and Rockland Utilites, Inc.
Case 21-G-0073
Gas Revenue Requirement
For The Twelve Months Ending December 31, 2023 and December 31, 2024
\$ 000's

	Rate Year 2 With Rate Change	Rate Year 3 Revenue/Expense Rate Base Changes	Rate Change	Rate Year 3 With Rate Change
Operating revenues				
Sales revenues	\$ 257,234	\$ (357)	\$ 9,870	\$ 266,747
Other operating revenues	1,915	99	38	2,052
Total operating revenues	<u>259,149</u>	<u>(258)</u>	<u>9,908</u>	<u>268,799</u>
Operating expenses				
Purchased gas costs	79,811	(253)	-	79,558
Operations & maintenance expenses	67,446	1,524	49	69,019
Depreciation	30,974	3,973		34,947
Regulatory Amortizations	(652)	382		(270)
Taxes other than income taxes	32,536	435	166	33,136
Total operating expenses	<u>210,115</u>	<u>6,060</u>	<u>215</u>	<u>216,390</u>
Operating income before income taxes	<u>49,034</u>	<u>(6,318)</u>	<u>9,693</u>	<u>52,409</u>
New York State income taxes	2,359	(504)	703	2,558
Federal income taxes	<u>5,826</u>	<u>(1,470)</u>	<u>1,888</u>	<u>6,244</u>
Utility operating income	<u>\$ 40,848</u>	<u>\$ (4,344)</u>	<u>\$ 7,103</u>	<u>\$ 43,607</u>
Rate Base	<u>\$ 606,795</u>	<u>\$ 41,974</u>		<u>\$ 648,770</u>
Rate of Return	<u>6.73%</u>			<u>6.72%</u>

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Gas Other Operating Revenues

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024
\$ 000's

	Rate Year 2			Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3	
Miscellaneous Service & Other Revenues						
AMR/AMI Meter Reading and Change out Fee	\$ 44	-	\$ 44	\$ -	\$ 44	
Customer Reconnect Fees	12	-	12	-	12	
Late Payment Charge Revenues	433	72	506	37	543	
POR Discount	541	-	541	-	541	
Shared Meter Assessment	(3)	-	(3)	-	(3)	
Access Fines	184	55	240	72	312	
R&D Ventures	2	-	2	-	2	
Total Miscellaneous Service & Other Revenues	1,214	127	1,342	109	1,451	
Joint Operating Rents	545	28	573	28	601	
Total Other Operating Revenues	<u>\$ 1,760</u>	<u>\$ 155</u>	<u>\$ 1,915</u>	<u>\$ 137</u>	<u>\$ 2,052</u>	

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Gas Operations & Maintenance Expenses

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
Fuel & Purchased Gas Costs	\$70,117	\$ 9,694	\$ 79,811	\$ (253)	\$ 79,558
A&G Health Insurance and Capital Overhead	(479)	(13)	(492)	(17)	(509)
Bargaining Unit Contract Cost	69	-	69	(0)	69
Bond Administration & Bank Fees	77	1	78	1	80
Company Labor	29,980	1,040	31,020	1,180	32,200
Customer Billing Postage	656	13	669	12	681
Employee Welfare Expense	4,613	209	4,822	299	5,121
Environmental Affairs	102	-	102	-	102
External Audit Services	207	4	211	4	215
Facilities	680	13	693	13	706
Finance & Accounting Operations	3	-	3	-	3
Information Technology	2,715	453	3,168	147	3,315
Informational Advertising	153	3	156	3	159
Injuries & Damages/ Workers Compensation	114	(2)	112	9	121
Institutional Dues & Subscription	7	-	7	1	8
Insurance Premium	456	9	465	9	474
Intercompany Shared Services	7,082	(23)	7,059	76	7,135
Legal and Other Professional Services	195	3	198	4	202
Ops - Corporate & Shared Services	2,226	89	2,315	61	2,376
Ops - Customer Operations	2,196	282	2,478	105	2,583
Ops - Gas Operations	8,713	167	8,880	232	9,112
Ops - Engineering	1,676	40	1,716	184	1,900
Ops - Substation Operations	2	-	2	1	3
Other Compensation	161	-	161	-	161
Pensions and OPEBs	1,226	-	1,226	-	1,226
PERI Initiative	50	(35)	15	-	15
Regulatory Commission Expenses - General and R&D	1,171	23	1,194	23	1,217
Rent	278	6	284	1	285
Research and Development	12	-	12	1	13
Site Investigation & Remediation	712	404	1,116	87	1,203
Uncollectible Reserves	2,151	101	2,252	51	2,303
Worker's Comp NYS Assessment	70	1	71	2	73
Other O&M	28	1	29	-	29
Company Labor - Fringe Benefit Adjustment	15	25	40	18	58
BCO Savings	(1,424)	(608)	(2,032)	(917)	(2,949)
Productivity	(801)	148	(653)	(16)	(669)
Total O & M Expenses	\$ 135,208	\$ 12,049	\$ 147,256	\$ 1,320	\$ 148,577

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Gas Taxes Other Than Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
<u>Property Taxes:</u>					
State, County & Town	\$7,910	\$ 108	\$8,018	\$ 109	\$8,127
Village	1,330	18	1,348	18	1,366
School	16,141	220	16,361	227	16,588
Total Property Taxes	\$25,381	\$346	\$25,727	\$354	\$26,081
Payroll Taxes	2,228	108	2,336	105	2,441
Revenue Taxes	3,996	350	4,346	138	4,484
Other Taxes					
Sale & Use Tax	-	-	-	-	-
Other Taxes	126	2	128	2	130
Total Other Taxes	\$126	\$2	\$128	\$2	\$130
Total Taxes Other Than Income Taxes	\$31,731	\$806	\$32,537	\$ 599	\$33,136

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Gas New York State Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
Operating Income Before Income Taxes	\$45,786	\$ 3,248	\$49,034	\$ 3,375	\$52,409
Interest Expense	(13,483)	(740)	(14,223)	(784)	(15,007)
Book Income Before Income Taxes	32,303	2,508	34,811	2,591	37,402
Current State Income Taxes	764	144	908	311	1,219
Deferred State Income Taxes	1,419	32	1,451	(113)	1,338
NYS Income Tax Expense	\$ 2,183	\$ 176	\$ 2,359	\$ 198	\$ 2,557

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Gas Federal Income Taxes

For The Twelve Months Ending December 31, 2022, December 31, 2023, and December 31, 2024

\$ 000's

	Rate Year 2		Rate Year 3		
	Rate Year 1	Changes	Rate Year 2	Changes	Rate Year 3
Operating Income Before Income Taxes	\$45,786	\$ 3,248	\$49,034	\$ 3,375	\$52,409
Interest Expense	(13,483)	(740)	(14,223)	(784)	(15,007)
Book Income Before Income Taxes	32,303	2,508	34,811	2,591	37,402
<u>Tax Computation</u>					
Current Federal Income Taxes	4,602	202	4,804	652	5,456
Deferred Federal Income Taxes	2,890	340	3,230	(106)	3,124
Excess Deferred Federal Income Tax - Property	(2,437)	(28)	(2,465)	(128)	(2,593)
Excess Deferred Federal Income Tax - Non-Property	423	-	423	-	423
R&D Tax Credit	(166)	-	(166)	-	(166)
Federal Income Tax Expense	\$ 5,312	\$ 514	\$ 5,826	\$ 418	\$ 6,244

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Average Gas Rate Base
For Twelve Months Ending December 31, 2022, and December 31, 2023
(\$000's)

	Rate Year 2		
	Rate Year 1	Changes	Rate Year 2
Utility Plant			
Gas Plant In Service	\$ 987,482	\$ 58,925	\$ 1,046,406
Gas Plant Held For Future Use	-	-	-
Common Utility Plant (Gas Allocation)	101,990	9,601	111,591
Total	1,089,471	68,526	1,157,997
Utility Plant Reserves:			
Accumulated Reserve for Depreciation - Plant in Service	(319,374)	(22,934)	(342,308)
Accumulated Reserve for Depreciation - Common Plant (Gas Allocation)	(50,435)	(4,620)	(55,055)
Total	(369,809)	(27,554)	(397,363)
Net Plant	719,663	40,972	760,634
Non-Interest Bearing CWIP	18,317	626	18,944
Working Capital - Materials/Supplies, Prepayment and Cash Working Capital	25,394	572	25,967
Unamortized Premium & Discount	2,889	(26)	2,863
Customer Advance Construction	(1,868)	-	(1,868)
Net Deferrals / Credits from Reconciliation Mechanisms	11,539	1,260	12,799
Accumulated Deferred Income Taxes			
Accumulated Deferred Federal Income Taxes	(146,491)	(983)	(147,474)
Accumulated Deferred State Income Taxes	(23,398)	(1,410)	(24,808)
Total	(169,889)	(2,393)	(172,282)
Average Rate Base	606,046	41,011	647,057
Earnings Base Capitalization Adjustment to Rate Base	(40,262)	-	(40,262)
Total Average Rate Base	\$ 565,784	\$ 41,011	\$ 606,795

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Average Gas Rate Base
For Twelve Months Ending December 31, 2023 and December 31, 2024
(\$000's)

	Rate Year 2	Rate Year 3 Changes	Rate Year 3
<u>Utility Plant</u>			
Gas Plant In Service	\$ 1,046,406	\$ 61,914	\$ 1,108,320
Gas Plant Held For Future Use	-	-	
Common Utility Plant (Gas Allocation)	111,591	9,618	\$ 121,208
Total	1,157,997	71,531	1,229,528
<u>Utility Plant Reserves:</u>			
Accumulated Reserve for Depreciation - Plant in Service	(342,308)	(25,430)	(367,738)
Accumulated Reserve for Depreciation - Common Plant (Gas Allocation)	(55,055)	(3,938)	(58,993)
Total	(397,363)	(29,368)	(426,731)
Net Plant	760,634	42,163	802,798
Non-Interest Bearing CWIP	18,944	(597)	18,347
Working Capital - Materials/Supplies, Prepayment and Cash Working Capital	25,967	487	26,453
Unamortized Premium & Discount	2,863	(106)	2,757
Customer Advance Construction	(1,868)	-	(1,868)
Net Deferrals / Credits from Reconciliation Mechanisms	12,799	2,450	15,249
<u>Accumulated Deferred Income Taxes</u>			
Accumulated Deferred Federal Income Taxes	(147,474)	(1,052)	(148,526)
Accumulated Deferred State Income Taxes	(24,808)	(1,370)	(26,178)
Total	(172,282)	(2,422)	(174,704)
Average Rate Base	647,057	41,974	689,032
Earnings Base Capitalization Adjustment to Rate Base	(40,262)	-	(40,262)
Total Average Rate Base	\$ 606,795	\$ 41,974	\$ 648,770

Orange and Rockland Utilities, Inc.

Case 21-G-0073

Average Capital Structure & Cost of Money

For the Twelve Months Ending December 31, 2022, December 31, 2023 and December 31, 2024

RY 1

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.58%	2.35%	2.35%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.35%	2.35%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.77%	8.38%

RY 2

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.51%	2.32%	2.32%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.32%	2.32%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.73%	8.34%

RY 3

	Capital Structure %	Cost Rate %	Cost of Capital %	Pre Tax Cost %
Long term debt	51.34%	4.49%	2.31%	2.31%
Customer deposits	0.66%	0.05%	0.00%	0.00%
Subtotal	52.00%		2.31%	2.31%
Common Equity	48.00%	9.20%	4.42%	6.03%
Total	100.00%		6.72%	8.33%

Consolidated Edison Company of New York, Inc.

Case 21-G-0073

Calculation of Levelized Rate Increase

For the Twelve Months Ending December 31, 2022, December 31, 2023 and December 31, 2024

\$ 000's

Other Customer Provided Capital Rate = 1.8%

Revenue Requirement	Twelve Months Ending			Cumulative Total
	Dec. 31, 2022	Dec. 31, 2023	Dec. 31, 2024	
R.Y. - 1	\$660	\$660	\$660	\$1,980
R.Y. - 2	-	7,395	7,395	14,790
R.Y. - 3	-	-	9,870	9,870
Total	<u>\$ 660</u>	<u>\$ 8,055</u>	<u>\$ 17,925</u>	<u>\$ 26,640</u>
Levelized rate increase without interest				
R.Y. - 1	\$ 4,440	\$ 4,440	\$ 4,440	\$ 13,320
R.Y. - 2	-	4,440	4,440	8,880
R.Y. - 3	-	-	4,440	4,440
Total	<u>\$ 4,440</u>	<u>\$ 8,880</u>	<u>\$ 13,320</u>	<u>\$ 26,640</u>
Variation	<u>\$ (3,780)</u>	<u>\$ (825)</u>	<u>\$ 4,605</u>	<u>\$ -</u>
Interest on Variation (Net of Tax)	<u>\$ (25)</u>	<u>\$ (56)</u>	<u>\$ (31)</u>	<u>\$ (111)</u>
Levelized rate increase with interest				
R.Y. - 1	\$ 4,421	\$ 4,421	\$ 4,421	\$ 13,264
R.Y. - 2	-	4,421	4,421	8,843
R.Y. - 3	-	-	4,421	4,421
Total	<u>\$ 4,421</u>	<u>\$ 8,843</u>	<u>\$ 13,264</u>	<u>\$ 26,529</u>

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Amortization of Electric Regulatory Deferrals (Credits & Debits)
\$ 000's

Electric	Amortization Period	Twelve Months Ending December 31,			Total
		2022	2023	2024	
Regulatory Assets (Debits)					
Storm Deferral (A)	5	\$14,855	\$14,855	\$14,855	\$44,565
Pension	3	8,416	8,416	8,416	25,248
Legacy meters	12	1,584	1,584	1,584	4,752
Energy Efficiency Programs	10	766	2,375	3,981	7,122
Late Payment Charges	3	717	717	717	2,151
Pomona DER	10	601	621	641	1,863
Rev Demo Projects	10	470	577	608	1,655
Interest on Storm Reserve	3	435	435	435	1,305
Rate Case Costs	3	179	179	179	537
Other Environmental Sites	3	134	134	134	402
Credit Card Fees	3	105	105	105	315
Sale of Warwick	3	39	39	39	117
NYSIT Rate Change	3	14	14	14	42
Total Regulatory Assets (a)		\$ 28,315	\$ 30,051	\$ 31,708	\$ 90,074
Regulatory Liabilities (Credits)					
OPEB	3	\$3,602	\$3,602	\$3,602	\$10,806
Low Income	3	3,518	3,518	3,518	10,554
MGP Sites	3	3,002	3,002	3,002	9,006
Property Taxes	3	1,852	1,852	1,852	5,556
Rev Demo Carrying Charges	3	1,112	1,112	1,112	3,336
Plant Reconciliation	3	639	639	639	1,917
Deferred Tax Liabilities Carrying Charge	3	589	589	589	1,767
Customer Portfolio Shared Earnings	3	567	567	567	1,701
Non Officer Management Variable Pay	3	544	544	544	1,632
Settlement of Storms Riley and Quinn	3	289	289	289	867
R&D	3	284	284	284	852
Retention Tax Credit	3	218	218	218	654
Environmental Carrying Charge	3	127	127	127	381
Excess FIT	3	84	84	84	252
Exchange of Easement with Premium Outlets	3	44	44	44	132
Property Tax Refunds	3	24	24	24	72
18A General Assessment Refund 2017 to 2018	3	23	23	23	69
18A Assessment	3	5	5	5	15
Reactive Power	3	2	2	2	6
Total Regulatory Liabilities (b)		\$ 16,525	\$ 16,525	\$ 16,525	\$ 49,575
Net Debits (a - b)		\$ 11,790	\$ 13,526	\$ 15,183	\$ 40,499

(A) Amortization period is approximately 5.4 years.

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Amortization of Gas Regulatory Deferrals (Credits & Debits)
\$ 000's

Gas	Amortization Period	Twelve Months Ending December 31,			Total
		2022	2023	2024	
Regulatory Assets (Debits)					
Pension	3	\$3,603	\$3,603	\$3,603	\$10,809
Pension Phase-in	3	579	579	579	1,737
Plant Reconciliation	3	402	402	402	1,206
Late Payment Charges	3	216	216	216	648
Credit Card Fees	3	66	66	66	198
Other Environmental Sites	3	40	40	40	120
R&D	3	11	11	11	33
Case 05-G-1594 interest on revenue deferral	3	1	1	1	3
Energy Efficiency Programs	10	-	194	576	770
Total Regulatory Assets (a)		\$ 4,918	\$ 5,112	\$ 5,494	\$ 15,524
Regulatory Liabilities (Credits)					
OPEB	3	\$1,827	\$1,827	\$1,827	\$5,481
Low Income	3	1,657	1,657	1,657	4,971
Property Taxes	3	923	923	923	2,769
MGP Sites	3	519	519	519	1,557
Deferred Tax Liabilities Carrying Charge	3	413	413	413	1,239
Non Officer Management Variable Pay	3	114	114	114	342
Retention Tax Credit	3	107	107	107	321
Environmental Carrying Charge	3	75	75	75	225
Excess FIT	3	74	74	74	222
Rate Case Costs	3	31	31	31	93
NYSIT Rate Change	3	13	13	13	39
18A General Assessment Refund 2017 to 2018	3	8	8	8	24
18A Assessment	3	2	2	2	6
Total Regulatory Liabilities (b)		\$ 5,763	\$ 5,763	\$ 5,763	\$ 17,289
Net Credits (a - b)		\$ (845)	\$ (651)	\$ (269)	\$ (1,765)

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Forecast of Sales Volume (MWh)
Rate Year 1

	SC 01	SC 19	SC 02 s	SC 20	SC 02 p	SC 03	SC 09	SC 21	SC 22	SC 25	SC 04	SC 05	SC 06	SC 16	PA	Total O&R
Jan-22	136,422	5,889	78,389	7,287	4,538	26,063	41,610	2,762	24,086	339	1,122	173	337	1,268	8,347	338,631
Feb-22	122,134	5,384	69,563	9,803	4,274	24,643	39,594	2,867	24,568	370	931	167	284	1,080	7,382	313,045
Mar-22	103,773	4,643	68,442	7,229	4,123	27,863	35,228	2,468	22,165	191	899	172	292	1,039	7,073	285,600
Apr-22	100,149	4,172	70,062	5,725	3,901	25,638	39,916	2,538	20,374	497	743	170	245	966	7,825	282,923
May-22	94,493	3,884	62,196	8,416	3,985	25,432	40,037	2,364	21,645	413	708	177	234	864	8,378	273,228
Jun-22	117,819	5,020	68,552	8,084	3,597	23,072	47,385	2,693	26,179	334	644	185	205	813	6,585	311,166
Jul-22	176,939	7,838	83,102	9,207	4,292	29,051	49,013	3,344	25,575	387	677	177	234	806	9,643	400,286
Aug-22	189,968	7,572	89,278	7,418	4,798	27,885	48,209	3,509	24,945	394	756	179	253	863	9,803	415,830
Sep-22	157,331	7,005	83,183	6,127	4,199	29,998	44,555	3,379	25,439	184	830	182	203	975	9,956	373,545
Oct-22	112,602	5,186	71,035	6,695	3,928	25,101	45,041	2,369	23,920	341	1,016	171	292	1,015	7,923	306,635
Nov-22	97,679	4,437	68,273	5,465	4,013	25,039	40,655	2,580	24,203	544	1,058	170	303	1,140	7,434	282,995
Dec-22	117,788	5,213	75,600	5,433	4,583	20,674	43,274	2,689	24,409	499	1,113	184	329	1,237	7,465	310,489
Total Billed	1,527,098	66,244	887,677	86,889	50,231	310,460	514,516	33,561	287,508	4,494	10,498	2,105	3,211	12,066	97,814	3,894,371
Net Unbilled	2,164	84	2,669	256	224	6,996	5,666	726	2,245							21,030
RY 1 Total	1,529,262	66,328	890,346	87,145	50,455	317,456	520,182	34,287	289,753	4,494	10,498	2,105	3,211	12,066	97,814	3,915,401

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Forecast of Sales Volume (MWh)
Rate Year 2

	SC 01	SC 19	SC 02 s	SC 20	SC 02 p	SC 03	SC 09	SC 21	SC 22	SC 25	SC 04	SC 05	SC 06	SC 16	PA	Total O&R
Jan-23	134,159	5,791	81,245	7,554	4,703	26,593	44,412	2,817	24,568	337	1,107	170	332	1,252	8,732	343,773
Feb-23	119,785	5,279	72,079	10,161	4,428	25,130	41,331	2,922	25,043	368	918	165	280	1,065	7,723	316,679
Mar-23	101,418	4,537	70,900	7,490	4,271	28,394	37,191	2,514	22,579	191	886	169	288	1,024	7,399	289,251
Apr-23	101,177	4,215	73,337	5,994	4,083	25,635	41,110	2,537	20,367	495	732	168	241	952	7,918	288,960
May-23	95,322	3,918	65,090	8,810	4,170	25,434	41,467	2,364	21,642	395	697	174	230	851	8,477	279,040
Jun-23	119,331	5,084	71,762	8,465	3,765	23,088	48,844	2,694	26,190	329	633	182	202	800	6,663	318,032
Jul-23	176,624	7,823	85,044	9,424	4,392	29,370	50,974	3,379	25,844	373	666	174	230	793	9,833	404,944
Aug-23	189,786	7,564	91,375	7,594	4,910	28,182	50,012	3,545	25,200	393	744	176	249	849	9,996	420,577
Sep-23	156,878	6,984	85,104	6,271	4,296	30,313	47,221	3,413	25,695	183	817	179	200	959	10,152	378,666
Oct-23	113,305	5,218	73,483	6,928	4,064	25,317	45,847	2,389	24,118	340	1,000	168	287	999	8,111	311,572
Nov-23	98,193	4,460	70,611	5,654	4,151	25,252	43,878	2,601	24,400	537	1,041	167	298	1,122	7,611	289,977
Dec-23	118,799	5,257	78,201	5,621	4,740	20,846	44,362	2,710	24,606	497	1,096	181	324	1,218	7,642	316,100
Total Billed	1,524,778	66,130	918,231	89,966	51,974	313,553	536,650	33,886	290,251	4,436	10,339	2,073	3,162	11,884	100,258	3,957,571
Net Unbilled	(8,937)	(349)	(4,491)	(430)	(377)	(3,970)	(3,215)	(412)	(1,274)							(23,455)
RY 2 Total	1,515,841	65,781	913,740	89,536	51,597	309,583	533,435	33,474	288,977	4,436	10,339	2,073	3,162	11,884	100,258	3,934,116

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Forecast of Sales Volume (MWh)
Rate Year 3

	SC 01	SC 19	SC 02 s	SC 20	SC 02 p	SC 03	SC 09	SC 21	SC 22	SC 25	SC 04	SC 05	SC 06	SC 16	PA	Total O&R
Jan-24	133,913	5,780	82,068	7,631	4,751	25,997	43,849	2,756	24,016	333	1,114	172	334	1,259	8,638	342,612
Feb-24	119,308	5,258	72,792	10,261	4,472	24,549	41,721	2,856	24,465	367	923	166	282	1,071	7,640	316,131
Mar-24	100,772	4,508	71,584	7,562	4,312	27,715	38,271	2,455	22,039	190	891	170	289	1,030	7,320	289,109
Apr-24	100,459	4,185	74,344	6,076	4,139	25,250	40,951	2,500	20,058	492	719	165	237	935	7,946	288,457
May-24	94,394	3,879	65,971	8,929	4,227	25,046	41,953	2,329	21,308	375	685	171	226	836	8,508	278,836
Jun-24	118,340	5,041	72,761	8,583	3,817	22,741	50,018	2,655	25,795	324	622	179	198	785	6,687	318,545
Jul-24	174,821	7,743	86,024	9,533	4,443	28,270	49,270	3,255	24,879	357	654	171	225	778	9,544	399,968
Aug-24	188,015	7,493	92,446	7,683	4,968	27,115	49,075	3,413	24,247	391	731	173	245	834	9,702	416,531
Sep-24	155,298	6,914	86,076	6,342	4,345	29,170	46,106	3,286	24,728	183	802	176	196	942	9,854	374,416
Oct-24	108,896	5,015	72,563	6,841	4,013	24,595	45,308	2,322	23,430	338	983	165	282	982	7,932	303,664
Nov-24	94,652	4,299	69,717	5,582	4,098	24,539	41,628	2,529	23,711	528	1,024	164	293	1,103	7,443	281,311
Dec-24	114,823	5,081	77,225	5,551	4,681	20,254	45,004	2,635	23,905	494	1,078	178	319	1,198	7,474	309,899
Total Billed	1,503,693	65,196	923,570	90,573	52,266	305,242	533,153	32,989	282,582	4,372	10,225	2,049	3,127	11,754	98,687	3,919,478
Net Unbilled	7,197	282	5,197	497	436	5,005	4,054	519	1,607							24,794
RY 3 Total	1,510,890	65,478	928,767	91,070	52,702	310,247	537,207	33,508	284,189	4,372	10,225	2,049	3,127	11,754	98,687	3,944,272

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Sales Revenues*
\$ 000's

	<u>RY 1</u>	<u>RY 2</u>	<u>RY 3</u>
Delivery**	\$ 313,649	\$ 313,642	\$ 315,136
Competitive Services	14,005	14,058	14,032
Reactive Power	159	159	159
Subtotal	<u>\$ 327,813</u>	<u>\$ 327,859</u>	<u>\$ 329,327</u>
MSC	94,145	92,804	87,719
SBC	19,845	19,405	18,033
Other ***	720	736	818
Tax Recovery Revenue	7,725	7,660	7,555
Total Sales Revenues	<u>\$ 450,248</u>	<u>\$ 448,463</u>	<u>\$ 443,452</u>
Sales for Resale ****	\$ 15,469	\$ 16,018	\$ 16,082
Grand Total Revenues	<u>\$ 465,717</u>	<u>\$ 464,481</u>	<u>\$ 459,533</u>
Rate Relief (Levelized)	11,675	23,351	35,026
Grand Total Revenues with Rate Relief	<u>\$ 477,392</u>	<u>\$ 487,831</u>	<u>\$ 494,559</u>

*At 2021 rates

** Includes Low Income Discount

*** Includes MFC accrual, uncollectibles and other purchased power

**** Includes PSA Fixed Charges and Intercompany Fuel & PSA Bill

Orange and Rockland Utilities, Inc.
Gas Case 21-G-0073
Sales Revenues
\$ 000's

	Twelve Months Ending December 31,		
Firm Revenues	2022	2023	2024
Delivery Revenues			
- Non Competitive	159,929	161,204	161,156
- Competitive	1,937	2,006	2,010
Monthly Gas Adjustments	20,713	20,544	19,478
Gas Supply Charge	49,241	59,090	59,870
Revenue Taxes	3,938	4,164	4,137
Subtotal	235,759	247,009	246,652
Interruptible Revenues			
SC 8/13	5,155	5,155	5,155
SC 9	683	683	683
Revenue Taxes	46	46	46
Subtotal	5,884	5,884	5,884
Other Revenues			
System Benefit Charge	-	-	-
Revenue Taxes	-	-	-
Subtotal	-	-	-
Rate Increase	4,421	8,843	13,264
Grand Total	\$ 246,064	\$ 261,735	\$ 265,800
Volumes (MCF)			
Total Firm Billed/Unbilled	21,531,566	21,747,030	21,663,228
Total Interruptible	3,573,800	3,573,800	3,573,800
Firm Volume - Billed/Unbilled/Interruptible	25,105,366	25,320,830	25,237,028

Orange and Rockland Utilities, Inc.
Case 21-E-0074
True-Up Targets
\$ 000's

Expense Items	Twelve Months Ending December 31,		
	2022	2023	2024
Research and Development	\$ 678	\$ 691	\$ 704
Contractor Tree Trimming (shortfall true-up only) (a)	10,700	12,100	12,412
Major Storm Cost Reserve	8,000	8,154	8,310
Pension Costs - Qualified Plan	9,580	1,757	3,003
- Non Qualified Plan	1,989	1,900	2,162
OPEB Costs	(3,864)	(4,726)	(4,358)
Total	7,705	(1,069)	807
Property Taxes - State, County & Town	13,489	14,130	14,431
Property Taxes - Village	2,081	2,123	2,163
Property Taxes - School	27,737	28,534	29,855
Total Property Taxes	43,307	44,787	46,449
Non-Officer Management Variable Pay	2,303	2,375	2,458
Environmental Remediation	1,442	2,258	2,435
Uncollectible Expenses	2,256	2,327	2,418
2021 State Tax Law Change	3,640	3,649	4,034
Revenue Item			
Low Income Program (b)	9,988	10,347	10,719
Late Payment Charges	1,450	1,547	1,673
Rate Base True-Ups			
Environmental Remediation	(5,254)	(3,153)	(1,051)
Energy Efficiency	2,527	10,079	19,528
Rev Demo Project Costs	2,585	3,283	3,354
Pomona DRP	4,108	3,807	3,491

(a) Annual over / under expenditures may be netted, true up is cumulative.

(b) This item is handled through rate design (versus base rates)

Orange and Rockland Utilities, Inc.

Case 21-G-0073

True-Up Targets

(\$000's)

Expense Items	Twelve Months Ending December 31,		
	2022	2023	2024
Property Taxes - State, County & Town	\$7,910	\$8,018	\$8,127
Property Taxes - Village	1,330	1,348	1,366
Property Taxes - School	16,141	16,361	16,588
Total Property Taxes	25,381	25,727	26,081
Pension Costs - Qualified Plan	4,732	868	1,484
- Non Qualified Plan	983	939	1,068
OPEB Costs	(1,909)	(2,335)	(2,153)
Total	3,806	(528)	399
State Tax Law Change	2,183	2,359	2,557
Research and Development	12	12	13
Late Payment Charges	433	506	543
Uncollectible Expenses	1,128	1,229	1,280
Pipeline Emergency Responders Initiatives	50	15	15
Non-Officer Management Variable Pay	1,137	1,171	1,211
Site Investigation & Remediation (True-up target)	712	1,116	1,203
Revenue Item			
Low Income Program (a)	5,359	5,359	5,359
Rate Base True-Up			
Environmental Remediation	(877)	(526)	(175)
Energy Efficiency	-	639	2,467

(a) This item is handled through rate design (versus base rates)

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Electric Net Plant In Service Target Balances - Included in Rate Base
Effective January 1, 2022 - December 31, 2024
\$ 000's

Rate Year 1				Rate Year 2				Rate Year 3			
MONTH ENDED	Elec. Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target	MONTH ENDED	Elec. Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target	MONTH ENDED	Elec. Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target
December 31, 2021 @ 50%	\$ 920,528	\$ (324,724)	\$ 595,804	December 31, 2022 @ 50%	\$ 953,352	\$ (360,453)	\$ 592,899	December 31, 2023 @ 50%	\$ 1,008,702	\$ (388,207)	\$ 620,495
January	1,843,873	(671,937)	1,171,936	January	1,910,081	(725,753)	1,184,328	January	2,039,256	(780,974)	1,258,282
February	1,847,192	(676,327)	1,170,865	February	1,913,463	(730,440)	1,183,023	February	2,042,862	(786,719)	1,256,143
March	1,852,846	(680,412)	1,172,435	March	1,919,242	(735,339)	1,183,903	March	2,048,608	(792,431)	1,256,177
April	1,856,953	(685,065)	1,171,887	April	1,923,022	(740,230)	1,182,792	April	2,052,002	(798,153)	1,253,849
May	1,860,726	(689,724)	1,171,002	May	1,929,146	(744,931)	1,184,215	May	2,138,378	(803,887)	1,334,491
June	1,869,530	(694,350)	1,175,180	June	1,939,156	(749,512)	1,189,644	June	2,144,743	(809,694)	1,335,049
July	1,873,575	(699,054)	1,174,520	July	1,962,406	(754,490)	1,207,916	July	2,144,044	(811,446)	1,332,598
August	1,877,488	(703,739)	1,173,749	August	1,966,663	(759,639)	1,207,024	August	2,147,534	(817,339)	1,330,195
September	1,884,175	(708,379)	1,175,795	September	1,977,556	(764,787)	1,212,768	September	2,154,162	(823,160)	1,331,001
October	1,888,047	(713,141)	1,174,906	October	1,982,000	(770,059)	1,211,941	October	2,159,081	(829,141)	1,329,940
November	1,892,229	(717,805)	1,174,424	November	1,985,354	(774,042)	1,211,312	November	2,162,618	(834,868)	1,327,750
December 31, 2022 @ 50%	953,352	(360,453)	592,899	December 31, 2023 @ 50%	1,008,702	(388,207)	620,495	December 31, 2024 @ 50%	1,097,877	(418,672)	679,205
Total	<u>\$ 22,420,514</u>	<u>\$ (8,325,112)</u>	<u>\$ 14,095,401</u>	Total	<u>\$ 23,370,143</u>	<u>\$ (8,997,883)</u>	<u>\$ 14,372,261</u>	Total	<u>\$ 25,339,866</u>	<u>\$ (9,694,690)</u>	<u>\$ 15,645,176</u>
13 Point Average	<u>\$ 1,868,376</u>	<u>\$ (693,760)</u>	<u>\$ 1,174,616</u>	13 Point Average	<u>\$ 1,947,512</u>	<u>\$ (749,824)</u>	<u>\$ 1,197,688</u>	13 Point Average	<u>\$ 2,111,656</u>	<u>\$ (807,891)</u>	<u>\$ 1,303,764</u>

* includes Vehicle Depreciation

Orange and Rockland Utilities, Inc.
Case 21-E-0074
Capital True-up Rate - Electric Net Plant Reconciliation
For Twelve Months Ending December 31, 2022, and December 31, 2023, and December 31, 2024

Rate Year 1

Electric Carrying Charge - Net Plant	
- Before Tax ROR*	8.38%
- Composite Depreciation Rate	3.56%
	<u>11.94%</u>

Rate Year 2

Electric Carrying Charge - Net Plant	
- Before Tax ROR*	8.34%
- Composite Depreciation Rate	3.65%
	<u>11.99%</u>

Rate Year 3

Electric Carrying Charge - Net Plant	
- Before Tax ROR*	8.33%
- Composite Depreciation Rate	3.91%
	<u>12.24%</u>

* See Appendix 1 page 11 Capital Structure

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Gas Net Plant In Service Target Balances - Included in Rate Base
Effective January 1, 2022 - December 31, 2024
\$ 000's

MONTH ENDED	Rate Year 1		
	Gas Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target
December 31, 2021 @ 50%	\$ 528,454	\$ (178,645)	\$ 349,809
January	1,058,907	(358,919)	699,988
February	1,062,109	(360,986)	701,124
March	1,064,930	(362,919)	702,011
April	1,072,868	(365,117)	707,751
May	1,080,876	(367,334)	713,542
June	1,092,457	(369,553)	722,904
July	1,100,179	(371,857)	728,321
August	1,105,161	(374,209)	730,952
September	1,110,338	(376,555)	733,782
October	1,116,716	(378,907)	737,809
November	1,119,417	(381,295)	738,122
December 31, 2022 @ 50%	561,245	(191,408)	369,837
Total	<u>\$ 13,073,657</u>	<u>\$ (4,437,704)</u>	<u>\$ 8,635,953</u>
13 Point Average	<u>\$ 1,089,471</u>	<u>\$ (369,809)</u>	<u>\$ 719,663</u>

MONTH ENDED	Rate Year 2		
	Gas Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target
December 31, 2022 @ 50%	\$ 561,245	\$ (191,408)	\$ 369,837
January	1,125,221	(385,237)	739,984
February	1,127,898	(387,554)	740,343
March	1,130,749	(389,991)	740,757
April	1,138,704	(392,410)	746,294
May	1,146,736	(394,847)	751,890
June	1,154,513	(397,304)	757,209
July	1,169,761	(399,767)	769,994
August	1,176,006	(402,350)	773,656
September	1,183,492	(404,950)	778,542
October	1,190,082	(407,557)	782,525
November	1,192,390	(409,573)	782,817
December 31, 2023 @ 50%	599,167	(205,405)	393,762
Total	<u>\$ 13,895,966</u>	<u>\$ (4,768,355)</u>	<u>\$ 9,127,612</u>
13 Point Average	<u>\$ 1,157,997</u>	<u>\$ (397,363)</u>	<u>\$ 760,634</u>

MONTH ENDED	Rate Year 3		
	Gas Plant In Service Target	Reserve For Depreciation Target*	Net Plant Target
December 31, 2023 @ 50%	\$ 599,167	\$ (205,405)	\$ 393,762
January	1,201,168	(413,614)	787,554
February	1,204,061	(416,426)	787,636
March	1,207,010	(419,243)	787,768
April	1,214,938	(422,043)	792,895
May	1,222,923	(424,861)	798,062
June	1,230,779	(427,654)	803,125
July	1,236,613	(428,454)	808,159
August	1,241,939	(431,302)	810,637
September	1,247,980	(434,175)	813,805
October	1,255,794	(437,056)	818,737
November	1,258,628	(439,850)	818,777
December 31, 2024 @ 50%	633,343	(220,687)	412,655
Total	<u>\$ 14,754,342</u>	<u>\$ (5,120,770)</u>	<u>\$ 9,633,572</u>
13 Point Average	<u>\$ 1,229,528</u>	<u>\$ (426,731)</u>	<u>\$ 802,798</u>

* includes Vehicle Depreciation

Orange and Rockland Utilities, Inc.
Case 21-G-0073
Capital True-up Rate - Gas Net Plant Reconciliation
For Twelve Months Ending December 31, 2022, December 31, 2023 and December 31, 2024

Rate Year 1

Gas Carrying Charge - Net Plant	
- Before Tax ROR*	8.38%
- Composite Depreciation Rate	2.83%
	<u>11.22%</u>

Rate Year 2

Gas Carrying Charge - Net Plant	
- Before Tax ROR*	8.34%
- Composite Depreciation Rate	2.91%
	<u>11.25%</u>

Rate Year 3

Gas Carrying Charge - Net Plant	
- Before Tax ROR*	8.33%
- Composite Depreciation Rate	3.06%
	<u>11.39%</u>

* See Appendix 2 page 6 Capital Structure

Orange and Rockland Utilities, Inc.
Case 21-E-0074 and 21-G-0073
Calculation of Composite Depreciation Rate for Carrying Charges on Net Plant
(\$000's)

	Electric	Gas
<u>Rate Year 1</u>		
Depreciation Expense 1/22-12/22:		
-Depreciation Expense	\$ 53,476.0	\$ 24,591.0
-Allocated portion of Common	12,013.3	5,364.3
Total	<u>\$ 65,489.3</u>	<u>\$ 29,955.3</u>
Plant Balance @ 12/31/21:		
-Plant Balance	\$ 1,615,754.8	\$ 956,874.7
-Allocated portion of Common	225,300.9	100,033.6
Total	<u>\$ 1,841,055.7</u>	<u>\$ 1,056,908.3</u>
Composite Rate	<u>3.56%</u>	<u>2.83%</u>
<u>Rate Year 2</u>		
Depreciation Expense 1/23-12/23:		
-Depreciation Expense	\$ 55,694.1	\$ 26,479.4
-Allocated portion of Common	13,901.5	6,140.2
Total	<u>\$ 69,595.6</u>	<u>\$ 32,619.6</u>
Plant Balance @ 12/31/22:		
-Plant Balance	\$ 1,670,294.8	\$ 1,017,360.9
-Allocated portion of Common	236,410.0	105,129.6
Total	<u>\$ 1,906,704.8</u>	<u>\$ 1,122,490.6</u>
Composite Rate	<u>3.65%</u>	<u>2.91%</u>
<u>Rate Year 3</u>		
Depreciation Expense 1/24-12/24:		
-Depreciation Expense	\$ 62,680.1	\$ 29,616.5
-Allocated portion of Common	16,259.4	7,053.2
Total	<u>\$ 78,939.5</u>	<u>\$ 36,669.7</u>
Plant Balance @ 12/31/23:		
-Plant Balance	\$ 1,744,696.9	\$ 1,078,325.2
-Allocated portion of Common	272,706.9	120,009.2
Total	<u>\$ 2,017,403.8</u>	<u>\$ 1,198,334.4</u>
Composite Rate	<u>3.91%</u>	<u>3.06%</u>

Data based on final Net Plant Model (File 212)

Orange and Rockland Utilities, Inc.
Electric Rate Case 21-E-0074
Calculation of Interest on Electric Net Plant
Effective January 1, 2022 - December 31, 2024
(\$000's)

EXAMPLE 1 - Carrying Charge in December 2024 - end of RY3

As of the end of RY3, the cumulative interest is positive at \$367k indicating the actual plant balances are above the target, therefore no interest is accrued to the customer as of the end of the multi-year plan.

Net Plant								Cumulative	
				Interest	Interest	Current Month	Interest	Interest	
				Computed	Computed	Interest	Accrued to		
				11.94%	Cumulative	recorded	Customer		
Actual (sample)	PSC Target	Variation							
Dec-21	\$ 584,500	\$ 595,804	\$ (11,304)	\$ (112)					
Jan-22	1,170,000	1,171,936	(1,936)	(19)	(131)	\$ (131)	\$ (131)		
Feb-22	1,170,000	1,170,865	(865)	(9)	(140)	(9)	(140)		
Mar-22	1,171,000	1,172,435	(1,435)	(14)	(154)	(14)	(154)		
Apr-22	1,171,000	1,171,887	(887)	(9)	(163)	(9)	(163)		
May-22	1,171,000	1,171,002	(2)	-	(163)	-	(163)		
Jun-22	1,177,000	1,175,180	1,820	18	(145)	18	(145)		
Jul-22	1,177,000	1,174,520	2,480	25	(120)	25	(120)		
Aug-22	1,177,000	1,173,749	3,251	32	(88)	32	(88)		
Sep-22	1,177,000	1,175,795	1,205	12	(76)	12	(76)		
Oct-22	1,177,000	1,174,906	2,094	21	(55)	21	(55)		
Nov-22	1,177,000	1,174,424	2,576	26	(29)	26	(29)		
Dec-22	589,000	592,899	(3,899)	(39)	(68)	(39)	(68)		
Average	\$ 1,174,042	\$ 1,174,617	\$ (575)						

Net Plant									
Actual (sample)	PSC Target	Variation		11.99%					
Dec-22	\$ 589,000	\$ 592,899	\$ (3,899)	\$ (39)	\$ (107)	\$ (39)	\$ (107)		
Jan-23	1,180,000	1,184,328	(4,328)	(43)	(150)	(43)	(150)		
Feb-23	1,181,000	1,183,023	(2,023)	(20)	(170)	(20)	(170)		
Mar-23	1,181,000	1,183,903	(2,903)	(29)	(199)	(29)	(199)		
Apr-23	1,182,000	1,182,792	(792)	(8)	(207)	(8)	(207)		
May-23	1,188,000	1,184,215	3,785	38	(169)	38	(169)		
Jun-23	1,193,000	1,189,644	3,356	34	(135)	34	(135)		
Jul-23	1,208,000	1,207,916	84	1	(134)	1	(134)		
Aug-23	1,208,000	1,207,024	976	10	(124)	10	(124)		
Sep-23	1,208,000	1,212,768	(4,768)	(48)	(172)	(48)	(172)		
Oct-23	1,208,000	1,211,941	(3,941)	(39)	(211)	(39)	(211)		
Nov-23	1,220,000	1,211,312	8,688	87	(124)	87	(124)		
Dec-23	610,000	620,495	(10,495)	(105)	(229)	(105)	(229)		
Average	\$ 1,196,333	\$ 1,197,688	\$ (1,355)						

Net Plant									
Actual (sample)	PSC Target	Variation		12.24%					
Dec-23	\$ 610,000	\$ 620,495	\$ (10,495)	\$ (105)	\$ (334)	\$ (105)	\$ (334)		
Jan-24	1,260,000	1,258,282	1,718	18	(87)	247	(87)		
Feb-24	1,260,000	1,256,143	3,857	39	(48)	39	(48)		
Mar-24	1,261,000	1,256,177	4,823	49	1	48	-		
Apr-24	1,261,000	1,253,849	7,151	73	74	-	-		
May-24	1,335,000	1,334,491	509	5	79	-	-		
Jun-24	1,335,000	1,335,049	(49)	-	79	-	-		
Jul-24	1,335,000	1,332,598	2,402	24	103	-	-		
Aug-24	1,335,000	1,330,195	4,805	49	152	-	-		
Sep-24	1,336,000	1,331,001	4,999	51	203	-	-		
Oct-24	1,336,000	1,329,940	6,060	62	265	-	-		
Nov-24	1,336,000	1,327,750	8,250	84	349	-	-		
Dec-24	681,000	679,205	1,795	18	367	-	-		
Average	\$ 1,306,750	\$ 1,303,765	\$ 2,985						

Orange and Rockland Utilities, Inc.
Gas Rate Case 21-G-0073
Calculation of Interest on Gas Net Plant
Effective January 1, 2022 - December 31, 2024
(\$000's)

EXAMPLE 2 - Carrying Charge in December 2024 - end of RY3

As of the end of RY3, cumulative interest is negative for \$113k, indicating the actual plant balances are below the target, therefore the cumulative interest of \$116k is accrued to the customer as of the end of the multi-year rate plan.

Net Plant				Interest Computed 11.22%	Interest Computed Cumulative	Current Month Interest recorded	Cumulative Interest Accrued to Customer
Actual (sample)	PSC Target	Variation					
Dec-21	\$ 351,000	\$ 349,809	\$ 1,191	\$ 11			
Jan-22	702,000	699,988	2,012	19	\$ 30	-	-
Feb-22	702,000	701,124	876	8	38	-	-
Mar-22	703,000	702,011	989	9	47	-	-
Apr-22	708,000	707,751	249	2	49	-	-
May-22	714,000	713,542	458	4	53	-	-
Jun-22	723,000	722,904	96	1	54	-	-
Jul-22	725,000	728,321	(3,321)	(31)	23	-	-
Aug-22	728,000	730,952	(2,952)	(28)	(5)	(5)	(5)
Sep-22	733,000	733,782	(782)	(7)	(12)	(7)	(12)
Oct-22	738,000	737,809	191	2	(10)	2	(10)
Nov-22	740,000	738,122	1,878	18	8	10	-
Dec-22	370,000	369,837	163	2	10	-	-
Average	\$ 719,750	\$ 719,663	\$ 87				

Net Plant				11.25%			
Actual (sample)	PSC Target	Variation					
Dec-22	\$ 370,000	\$ 369,837	\$ 163	\$ 2	\$ 12	-	-
Jan-23	741,000	739,984	1,016	10	22	-	-
Feb-23	741,000	740,343	657	6	28	-	-
Mar-23	741,000	740,757	243	2	30	-	-
Apr-23	741,000	746,294	(5,294)	(50)	(20)	(20)	(20)
May-23	746,000	751,890	(5,890)	(55)	(75)	(55)	(75)
Jun-23	755,000	757,209	(2,209)	(21)	(96)	(21)	(96)
Jul-23	767,000	769,994	(2,994)	(28)	(124)	(28)	(124)
Aug-23	778,000	773,656	4,344	41	(83)	41	(83)
Sep-23	783,000	778,542	4,458	42	(41)	42	(41)
Oct-23	785,000	782,525	2,475	23	(18)	23	(18)
Nov-23	786,000	782,817	3,183	30	12	18	-
Dec-23	393,000	393,762	(762)	(7)	5	-	-
Average	\$ 760,583	\$ 760,634	\$ (51)				

Net Plant				11.39%			
Actual (sample)	PSC Target	Variation					
Dec-23	\$ 393,000	\$ 393,762	\$ (762)	\$ (7)	\$ (2)	\$ (2)	(2)
Jan-24	789,000	787,554	1,446	14	12	2	-
Feb-24	789,000	787,636	1,364	13	25	-	-
Mar-24	789,000	787,768	1,232	12	37	-	-
Apr-24	792,000	792,895	(895)	(8)	29	-	-
May-24	794,000	798,062	(4,062)	(39)	(10)	(10)	(10)
Jun-24	800,000	803,125	(3,125)	(30)	(40)	(30)	(40)
Jul-24	806,000	808,159	(2,159)	(20)	(60)	(20)	(60)
Aug-24	809,000	810,637	(1,637)	(16)	(76)	(16)	(76)
Sep-24	814,000	813,805	195	2	(74)	2	(74)
Oct-24	817,000	818,737	(1,737)	(16)	(90)	(16)	(90)
Nov-24	817,000	818,777	(1,777)	(17)	(107)	(17)	(107)
Dec-24	412,000	412,655	(655)	(6)	(113)	(6)	(113)
Average	\$ 801,750	\$ 802,798	\$ (1,048)				

**Orange and Rockland Utilities, Inc.
Cases 21-G-0073 & 21-E-0074**

Reconciliations and Deferrals

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A. Net Plant Reconciliation

1. Electric

a. Net Plant Reconciliation

The electric revenue requirements for RY1, RY2 and RY3 reflect the average net plant balances set forth in Appendix 8 (“Electric Net Plant In Service Target Balances”).

The Electric Net Plant In Service Target Balances reflect a level of capital expenditures supported by various capital programs and projects. The Company, however, has the flexibility over the term of the Electric Rate Plan to modify the list, priority, nature and scope of its capital programs and projects.

The Company will defer for the benefit of customers the revenue requirement impact (*i.e.*, carrying costs, including depreciation, as identified in Appendix 8) of the amount by which the Company’s actual expenditures for electric capital programs and projects result in actual average net plant that is less than the amount included in the Electric Net Plant In Service Target Balances, as set forth in Appendix 8, for RY1, RY2 and RY3 (“target levels”), on a cumulative basis;¹ that is, the carrying charges resulting from the difference (whether representing underspending or overspending) in actual Electric Net Plant In Service Balances and the target levels will carry forward for each of the Rate Years and will be summed at the end of RY3. If at the end of RY3 the cumulative carrying charges represent underspending, the Company will book a regulatory liability for the cumulative underspent carrying charges. If at the end of RY3

¹ The revenue requirement impact will be calculated by applying an annual carrying charge factor (*see* Appendix 8) to the amount by which the actual net plant was below the amount included in the Average Electric Plant In Service Target Balances.

the cumulative carrying charges represent overspending, no deferrals will be made. Examples of how this reconciliation will work are set forth in Appendix 8.

b. Reporting Requirements

The Company will submit annual reports relating to capital expenditures in the manner set forth in Appendix 19.

c. Non-Wires Alternative Adjustment Mechanism

The costs incurred by the Company for implementation of new NWAs (ones that are not included in base rates or for which the Company has not filed a BCA) during the Electric Rate Plan, including the overall pre-tax rate of return on such costs, will be recovered over ten years. Recovery of these NWA costs during the Electric Rate Plan will be through the ECA. Unamortized NWA costs, including the return, will be incorporated into the Company's base rates when electric base delivery rates are reset.

To the extent such new NWAs result in the Company displacing a capital project reflected in the Average Electric Plant In Service Balances, the balance(s) will be reduced to exclude the forecasted net plant associated with the displaced project. The carrying charge on the reduction of the Average Electric Plant In Service Balances that would otherwise be deferred for customer benefit will instead be applied as a credit against the recovery of the NWA in the ECA. In the event the carrying charge on the net plant of any displaced project is higher than the NWA recovery, the difference will be deferred for the benefit of customers.

2. Gas

a. Net Plant Reconciliation

The gas revenue requirements for RY1, RY2 and RY3 reflect the average net plant balances set forth in Appendix 8 ("Gas Net Plant In Service Target Balances").

The Gas Net Plant In Service Target Balances reflect a level of capital expenditures supported by various capital programs and projects. The Company, however, has the flexibility over the term of the Gas Rate Plan to modify the list, priority, nature and scope of its gas capital programs and projects.

The Company will defer for the benefit of customers the revenue requirement impact (*i.e.*, carrying costs, including depreciation, as identified in Appendix 8) of the amount by which the Company's actual expenditures for gas capital programs and projects result in average net plant that is less than the amount included in the Gas Net Plant In Service Target Balances as set forth in Appendix 8, for RY1, RY2 and RY3 ("target levels"), on a cumulative basis;² that is, the revenue requirement impact resulting from the difference (whether representing underspending or overspending) in actual Gas Net Plant In Service Balances and the target levels will carry forward each of the Rate Years and will be summed at the end of RY3. If at the end of RY3 the cumulative carrying charges represent underspending, the Company will book a regulatory liability for the cumulative underspent carrying charges. If at the end of RY3 the cumulative carrying charges represent overspending, no deferrals will be made. Examples of how this reconciliation will work are set forth in Appendix 8.

b. Reporting Requirements

The Company will provide quarterly and annual reports relating to capital expenditures in the manner set forth in Appendix 19.

² The revenue requirement impact will be calculated by applying an annual carrying charge factor for the applicable average net plant in service category (*see* Appendix 8) to the amount by which actual net plant was below the amount included in the Average Gas Plant In Service Target Balances.

c. Non-Pipeline Alternative Adjustment Mechanism

The costs incurred by the Company for implementation of new NPAs during the Gas Rate Plan, including the overall pre-tax rate of return on such costs, will be recovered over ten years. Recovery of these NPA costs during the Gas Rate Plan will be through a new component of the MGA, the NPA Adjustment Mechanism. Amortized NPA program costs will be collected on a common cents per Ccf basis from customers served under SC Nos. 1, 2, and 6. Unamortized NPA costs, including the return, will be incorporated into the Company's base rates when gas base delivery rates are reset.

To the extent such new NPAs result in the Company displacing a capital project reflected in the Average Gas Plant In Service Balances, the balance(s) will be reduced to exclude the forecasted net plant associated with the displaced project. The carrying charge on the reduction of the Average Gas Plant In Service Balances that would otherwise be deferred for customer benefit will instead be applied as a credit against the recovery of the NPA in the MGA. In the event the carrying charge on the net plant of any displaced project is higher than the NPA recovery, the difference will be deferred for the benefit of customers.

B. Non-Plant Reconciliations/Deferrals

The Company will reconcile the following costs and revenues to the levels provided in rates, as set forth in Appendices 6, 7, and 8. Variations subject to recovery from or to be credited to customers will be deferred on the Company's books of account over the term of the Rate Plans, and the revenue requirement effects of such deferred debits and credits, as the case may be, will be addressed in future rate proceedings.

1. Property Taxes (Electric and Gas)

If the level of actual electric or gas expense for property taxes, excluding the effect of property tax refunds (as defined in Section D.4 of the Joint Proposal), varies in any Rate Year from the projected level provided in rates for that service, which levels are set forth in Appendices 6 and 7, 90 percent of the variation will be deferred on the Company's books of account and either recovered from or credited to customers, subject to the following cap: the Company's 10 percent share of property tax expenses above or below the level in rates is capped at an annual amount equal to 10 basis points on common equity in RY1, 7.5 basis points on common equity in RY2, and 5 basis points on common equity in RY3. The Company will defer on its books of account, for recovery from or credit to customers, 100 percent of the variation above or below the level at which the cap takes effect.

The Company will not be precluded from applying for a greater share of lower than forecasted property tax expenses (including the period beyond RY3) if its extraordinary efforts result in fundamental taxation changes and produce substantial net benefits to customers. The Signatory Parties reserve the right to support or oppose any such filing.

2. Pensions/OPEBs (Electric and Gas)

Pursuant to the Commission's Pension Policy Statement,³ the Company will reconcile its actual pensions and Other Post-Employment Benefits ("OPEBs") expenses to the levels provided in rates as set forth in Appendices 6 and 7.

³ Case 91-M-0890, In the Matter of the Development of a Statement of Policy Concerning the Accounting and Ratemaking Treatment for Pensions and Post-Retirement Benefits Other Than Pensions, Statement of Policy and Order Concerning the Accounting and Ratemaking Treatment for Pensions and Post-Retirement Benefits Other Than Pensions (issued September 7, 1993) ("Pension Policy Statement").

The Pension Policy Statement provides that companies may seek prospective interest accruals or rate base treatment for amounts funded above the cost recoveries included in rates.⁴ During the term of the Rate Plans, the Company may be required to fund its pension plan at a level above the rate allowance pursuant to the annual minimum pension funding requirements contained within the Pension Protection Act of 2006. The Company, its actuary and the parties are unable to predict with certainty if the minimum funding threshold will exceed rate recoveries during the term of the Rate Plans. In lieu of a provision in this Proposal addressing the Company's additional financing requirements should it be required to fund its pension plan above the level provided in rates during the term of these Rate Plans, the Proposal does not preclude the Company from petitioning the Commission to defer the financing costs associated with funding the pension plan at levels above the current rate allowance should funding above the rate allowance be required; the Company's right to obtain authority to defer such financing costs on its books of account will not be subject to requirements respecting materiality.

3. Environmental Remediation (Electric and Gas)

If the level of actual SIR expenditures,⁵ including expenditures associated with former manufactured gas plant ("MGP") sites, Superfund sites, and other sites allocated to electric and gas operations, varies in any Rate Year from the levels provided in rates, which are set forth in Appendices 6 and 7, such variation shall be deferred and recovered from or credited to customers. Deferred SIR cost balances varying from the level reflected in rate base during each

⁴ See Pension Policy Statement, Appendix A, page 16, footnote 3.

⁵ SIR expenditures are the costs Orange and Rockland incurs to investigate, remediate or pay damages (including natural resource damages) with respect to industrial and hazardous waste or contamination, spills, discharges and emissions for which the Company is deemed responsible. These costs are net of insurance reimbursements (if any); nothing herein will require the Company to initiate or pursue litigation for purposes of obtaining insurance reimbursement, nor preclude or limit the Commission's authority to review the reasonableness of the Company's conduct in such matters.

Rate Year, as set forth in Appendices 6 and 7, will accrue a carrying cost at the pre-tax rate of return. The deferred cost balances will be reduced by accruals, insurance and third party recoveries, associated reserves and deferred taxes, and other offsets, if any, obtained by the Company.

4. Non-Officer Management Variable Pay (Electric and Gas)

The electric and gas revenue requirements reflect estimated expense for the Company's Non-Officer Management Variable Pay Program. The Company will defer for future credit to customers, the amount by which the actual expense by service in any Rate Year is less than the amount shown on Appendices 6 and 7 for that service for that Rate Year.

5. Adjustments for Competitive Services (Electric and Gas)

The Company will continue to reconcile competitive service charges in accordance with current tariff provisions. Competitive service charges consist of the supply-related and credit and collections-related components of the Merchant Function Charge ("MFC"), the credit and collections component of the Purchase of Receivables ("POR") discount rate, and the Billing and Payment Processing Charge.

6. Low Income Assistance Program (Electric and Gas)

The Company will reconcile actual payments (monthly bill credits) to low-income customers to the levels provided in electric and gas rate designs, as set forth in Appendices 6 and 7.

7. Research and Development Expense (Electric and Gas)

The Company will reconcile its actual Research and Development ("R&D") expenses to the levels provided in electric and gas rates, as set forth in Appendices 6 and 7. The Company

shall have the flexibility over the term of the Rate Plans to modify the list, priority, nature and scope of the R&D projects to be undertaken.

8. Energy Efficiency Program (Electric and Gas)

The energy efficiency costs are subject to a cumulative, symmetrical reconciliation over the terms of the Rate Plans subject to the cumulative New Efficiency New York (“NENY”) cap. The current NENY cap amounts for each electric and gas are set forth in Appendices 6 and 7. If the Commission modifies the Company’s NENY budgets during the rate term, such modifications will be reflected at the time of the cumulative reconciliations. The Company will perform separate reconciliations for its electric and gas portfolios.

To allow the Company flexibility in spending, the NENY funds for the period of 2019 through 2025 will be considered fungible as long as the Company does not exceed the cumulative authorized NENY budget through 2025 for each electric and gas.

9. Major Storm Cost Reserve (Electric)

a. Major Storm Reserve Funding

The Company’s annual electric revenue requirements provide funding for the major storm reserve of \$8.0 million in RY1, \$8.2 million in RY2, and \$8.3 million in RY3, as shown in Appendix 6.⁶ Except as provided herein, all incremental major storm costs will be charged to the major storm reserve. To the extent that the Company incurs incremental major storm costs in excess of the annual amounts stated above in a Rate Year, the Company will defer on its books of account expenses in excess of the annual amounts stated above for future recovery from

⁶ A “major storm” is defined in 16 NYCRR Part 97 as a period of adverse weather during which service interruptions affect at least ten percent of the Company’s customers within an operating area and/or results in customers being without electric service for durations of at least 24 hours and exceeds \$200,000 in incremental costs.

customers. To the extent that the Company incurs major storm costs less than the annual amounts stated above, the Company will defer any variation less than those amounts for the benefit of customers. All major storm costs are subject to Staff review.

The Company's annual electric revenue requirements provide for \$14.9 million in each Rate Year, reflecting a 5.4year amortization of previously incurred incremental major storm costs (net of insurance and other recoveries) due to major storms, including Winter Storm Toby and Tropical Storm Isaias, in excess of collections for major storm reserve funding.

b. Costs Chargeable to the Major Storm Reserve

The Company will be allowed to charge to the major storm reserve for costs incurred to obtain the assistance of contractors and/or utility companies providing mutual assistance, incremental employee labor, transportation, meals, lodging, and travel time (collectively, "Pre-Staging and Mobilization Costs") it incurs in reasonable anticipation that a storm will affect its electric operations to the degree meeting the criteria of a major storm as defined in 16 NYCRR Part 97, but which ultimately does not do so. Pre-Staging and Mobilization Costs up to \$100,000 per event will not be chargeable to the major storm reserve. The Company will be allowed to charge to the major storm reserve Pre-Staging and Mobilization Costs in excess of \$100,000 per event, up to a total of \$1.75 million. For Pre-Staging and Mobilization Costs in excess of \$1.75 million, per event, the Company will be allowed to charge 85% of such costs to the major storm reserve, and the Company will expense 15% of such costs in the year incurred. The Company may file a petition to defer the 15% of Pre-Staging and Mobilization Costs in excess of \$1.75 million, per event. Each such petition will be subject to the Commission's three-part test traditionally applied to petitions requesting deferral accounting treatment.

The Company will not charge employee overtime to the major storm reserve for overtime work occurring more than 60 days following the date on which the Company is able to restore service to all customers. In addition, the Company will not charge stores handling, engineering, and other overheads costs to the major storm reserve.

c. Revenue Adjustment Mechanism

If the Company's actual major storm costs vary from the rate allowance by more than \$2 million in a rate year, the Company will recover the variance, up to a cap of 2.5% of delivery revenues each year as a component of the Variable ECA.

10. Asbestos Workers Compensation Reserve (Electric)

The Company's electric revenue requirements do not reflect asbestos claim payments to the Company's former employees. If the Company incurs any such payments during the term of the Electric Rate Plan, the Company will defer these payments on its books of account for future recovery from customers.

11. Tree Trimming (Electric)

The Company will defer for the benefit of customers any cumulative shortfall over the term of the Electric Rate Plan between actual expenditures for the Company's transmission and distribution ("T&D") tree trimming program, including the danger tree programs and the Three-Phase Clearance Program, and the levels provided in rates, as set forth in Appendix 6. This reconciliation will continue after RY3 on an annual basis or on a pro-rated basis (by month) for any period less than 12 months.

12. REV Demonstration Project Costs (Electric)

The Company's electric revenue requirements include estimated REV Demonstration project costs, amortized over ten years. The Company will reconcile its actual costs for this item

with the levels provided in rates, as set forth in Appendix 6. The demonstration project budget cap, regardless of cost recovery mechanism, is the revenue requirement associated with \$10 million in capital expenditures, as described in the Track One Order.⁷ In the event that demonstration projects would result in the Company exceeding the demonstration project budget cap, the Company may file a petition with the Commission to increase the budget cap.

13. Pomona NWA (Electric)

The Company's electric revenue requirements reflect Pomona NWA program costs to be incurred during the rate period, amortized over ten years, for an NWA solution in the Pomona substation area. The Company will reconcile its actual costs for this item with the levels provided in rates, as set forth in Appendix 6.

14. Platform Service Revenue (Electric)

Revenue generated from the sale of products and services on the Company's MY ORU Store online marketplace, as well as advertising and other program income, will be treated as a platform service revenue ("PSR"). Consistent with the REV Track 2 Order, 80 percent of the PSR will be deferred for customer benefit until base rates are reset and 20 percent will be retained by the Company.

15. Late Payment Charges (Electric and Gas)

The Company's electric and gas revenue requirements have been offset by forecasted revenues from late payment charges. The Company will reconcile its actual revenues for this item with the levels provided in rates, as set forth in Appendices 6 & 7, once the variance, in an annual amount, calculated and applied separately for electric and gas, equates to five (5) basis

⁷ Case 14-M-0101, Order Adopting Policy Framework and Implementation Plan (issued February 26, 2015).

points of return on common equity or more. Recovery from, or refund to, customers of the variance will be via surcharge through the variable ECA and a new component of the MGA.⁸ When the surcharge/sur-credit threshold has been met, the Company will notify Staff that it intends to begin collecting/refunding late payment charge variance through the ECA/MGA. Once that notification has been made, the Company will provide Staff reports on any late payment charge variance by April 30 of each year.

16. Covid Uncollectible Expenses (Electric and Gas)

The Company's electric and gas revenue requirements included forecasted uncollectible expenses. The Company will defer the difference between its actual uncollectible expense reserve with the level in rates each year, as set forth in Appendices 6 & 7.⁹ The deferral amount will be excluded from rate base. The deferral amount will be fully reconciled with the cumulative actual write-offs for the period January 1, 2020 through December 31, 2024. Recovery or refund of the variance in write-offs (less savings for employee training and travel) may begin once the variance, in an annual amount, calculated and applied separately for electric and gas, equates to five (5) basis points of return on common equity or more. Recovery from, or refund to, customers of the variance will be via surcharge through new components of the ECA/MGA. When the surcharge/sur-credit threshold has been met, the Company will notify Staff that it intends to begin collecting/refunding uncollectible write-off variance through the

⁸ Actual 2021 late payment fees will be reconciled relative to the level in rates pursuant to the rate plans authorized in Cases 18-E-0067 and 18-G-0068. Recovery from, or refund to, customers of the variance will be via surcharge through the ECA/MGA.

⁹ The Company is deferring the change in its uncollectible expense reserve pursuant to the rate plans authorized in Cases 18-E-0067 and 18-G-0068. These deferrals will be included in cumulative reconciliation of actual write-offs in this provision.

ECA/MGA. Once that notification has been made, the Company will provide Staff reports on any uncollectible write-off variance by April 30 of each year.

Final, full reconciliation on uncollectible write-offs will occur at the end of 2024. At that time, any over-collections will be deferred for future ratepayer benefit and the Company may continue to recover against any under-collections via surcharge.

17. 2021 State Tax Law Change (Electric and Gas)

The electric and gas revenue requirements include a 7.25 percent New York State income tax rate. The Company will defer for customer benefit or Company recovery the difference between its actual state incomes taxes with the level in rates in each year, as set forth in Appendices 6 & 7. The deferral will include the Day 1 remeasurement of deferred tax assets and liabilities, the Day 2 impact of the higher NYS state tax rate on current and deferred income taxes and the Day 3 impact of reducing any temporary difference that originated at 7.25 percent, but will reverse after 12/31/2023 when the tax rate returns down to 6.5 percent.

18. Pipeline Emergency Responders Initiative (Gas)

The Company's gas revenue requirements include estimated Pipeline Emergency Responders Initiative costs. These costs are subject to a cumulative reconciliation over the term of the gas rate plan. The Company will defer for future credit to customers, the amount by which the actual expenses is less than the rate plan amounts shown on Appendix 7.

19. Additional Reconciliation/Deferral Provisions

In addition to the foregoing reconciliation provisions, along with all other provisions of this Proposal embodying the use of a reconciliation and/or deferral accounting mechanism, all other applicable existing reconciliations and/or deferral accounting mechanisms will continue in effect through the term of these Rate Plans and thereafter until modified or discontinued by the

Commission, except for those expressly identified in this Proposal for termination. Continuing reconciliation and/or deferral accounting mechanisms include, but are not limited to those for, MTA taxes, New York Public Service Law §18-a regulatory assessment, Renewable Portfolio Standard charges, vacation pay accrual pursuant to ASC 980 Regulated Operations, carrying charges for storage gas, the GSC, MGA, MSC, ECA, and System Benefits Charge (“SBC”) mechanisms. The Company will defer any differences between the Company’s actual revenues and authorized revenues, as determined by the Company’s RDMs. In addition, the Company will defer any carrying costs for projects approved or required by the Commission that are incremental to the Company’s capital additions, such as participation in regulated backstop solutions or generation as the provider of last resort.

Appendix 3 sets forth the annual amortization of deferred regulatory assets and liabilities included in the annual revenue requirements.

20. Discontinued Reconciliations**a. Credit Card Payment of Utility Bills (Electric and Gas)**

Effective December 31, 2021, the Company will terminate its reconciliation for fees associated with customer usage of credit and debit cards for payment of utility bills. As this is now an established program, forecasted costs are included in the revenue requirements.

b. Tax Cuts and Jobs Act and Bonus Depreciation (Electric and Gas)

Effective December 31, 2021, the Company will terminate its reconciliation for 2017 bonus depreciation under the Tax Cuts and Jobs Act.

c. Pipeline Safety Act (Gas)

Effective December 31, 2021, the Company will terminate its reconciliation for costs to comply with new regulations associated with the Pipeline Safety Act of 2011 as no new regulations are expected.

d. Advanced Meter Infrastructure

Effective December 31, 2021, the Company will terminate its reconciliation for AMI-related net plant costs. The Company has fully reconciled all AMI-implementation costs,

e. Monsey NWA (Electric)

Effective December 31, 2021, the Company will terminate its reconciliation for the Monsey NWA. A subsequent phase of the Monsey NWA program is being developed and costs will be recovered via surcharge in accordance with Section A.1.c above (Non-Wires Alternatives).

f. Carbon Reduction Program (Electric)

Effective December 31, 2021, the Company will terminate its reconciliation for the Carbon Reduction Program.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Calculation of Lost and Unaccounted for Gas ("LAUF") and Dead Band Target
Based on 5 Year Period: 12 ME Aug 2017 to 12 ME Aug 2021**

	Aug-21	Aug-20	Aug-19	Aug-18	Aug-17
Citygate Receipts					
1 Total Pipeline Receipts	27,534,802	26,308,861	26,534,355	27,721,302	27,120,146
Deliveries to Customers					
2 Retail Sales and Transportation Deliveries	24,593,553	24,516,851	25,648,853	25,755,426	24,153,152
3 Gas Used for Company Purposes (Including Inactive Gas Metered Usage)	46,676	42,826	54,867	39,713	22,585
4 Deliveries to Generation	2,288,544	1,513,414	316,922	1,749,745	2,629,526
5 Total Deliveries (Line 2 - Line 4)	26,928,774	26,073,091	26,020,642	27,544,883	26,805,262
6 Losses (Line 1 - Line 5)	606,028	235,770	513,714	176,419	314,884
7 Contribution to system line loss from Generation at 1.0% (Line 4 * 0.01)	22,885	15,134	3,169	17,497	26,295
8 Adjusted Line Loss (Line 6 - Line 7)	583,143	220,636	510,544	158,921	288,588
9 Citygate Receipts adjusted for Generation (Line 1 - Line 7)	25,223,373	24,780,313	26,214,264	25,954,060	24,464,325
10 Annual Line Loss Factor (Line 8 / Line 9)	2.312%	0.890%	1.948%	0.612%	1.180%

DETERMINE LAUF% TARGET & DEAD BAND

Basis: Target & Dead Band are calculated from 5 years of historical data

Dead Band is equal to +/- 2 standard deviations

No Incentive to Be Earned for LAUF % Target < 0

5-Year Statistics (Aug 17 - Aug 21)

11 Mean LAUF% (Average of Line 10)	1.388%
12 Std Deviation (Std Deviation of Line 10)	0.718%
13 2 Std Deviation (Line 12 * 2)	1.435%

Target & Dead Band

14 LAUF% Target	1.388%
15 Upper Band (Mean + 2 SD)	2.823%
16 Lower Band (Mean - 2 SD)	0.000%

The Fixed FOA will be reset every November 1 based on the average of the actual FOAs for the previous five twelve-month periods ended August 31.

ORANGE AND ROCKLAND UTILITIES, INC.

**Case 21-G-0073
GAS LOST AND UNACCOUNTED FOR**

ILLUSTRATIVE CALCULATION OF LINE LOSS INCENTIVE / PENALTY

1	Total Distribution Sendout	25,246,258	Mcf
2	Customer Metered Volumes	24,663,115	Mcf
3	Actual Line Loss -- [(Line 1 - Line 2) / Line 1]	2.364%	
4	Actual Factor of Adjustment -- [1 / (1 - 0.0236)]	1.0242	
5	If Line 4 is \geq Lower Dead band and \leq Upper Dead band, equal to line 4 If Line 4 is < Lower Dead band, equal to line 12 If Line 4 is > Upper Dead band, equal to line 11	1.0242	
<u>Calculation of Benefit / (Shortfall):</u>			
6	Total Cost of Gas 12 months Ended August XX	\$75,000,000	
7	(Line 5 Above)	1.0242	
	-----	-----	1.000000
	Actual Factor of Adjustment (Line 4 above)	1.0242	
8	Net Adjusted Commodity Cost of Gas (Line 6 x Line 7)	\$75,000,000	
9	Company Benefit / (Penalty) due to Line Losses (Line 8 - Line 6)	\$0	

** The Fixed FOA for purposes of calculating incentives / penalties based on 1.388% losses equals:

10	$\frac{100.0}{(100.0 - 1.388)} = \frac{100.0}{98.612} = 1.0141$
----	---

** The maximum "FOA Before Adjustment" based on 2.823% losses equals:

11	$\frac{100.0}{(100.0 - 2.823)} = \frac{100.0}{97.177} = 1.0291$
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** The minimum "FOA Before Adjustment" based on 0.000% losses equals:

12	$\frac{100.0}{(100.0 - 0.000)} = \frac{100.0}{100} = 1.0000$
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Note: The Fixed FOA will be reset every November 1 based on the average of the actual FOAs for the previous five twelve-month periods ended August 31.

ORANGE AND ROCKLAND UTILITIES, INC.

**Case 21-G-0073
GAS LOST AND UNACCOUNTED FOR**

**ILLUSTRATIVE CALCULATION OF
SYSTEM PERFORMANCE ADJUSTMENT ("SPA") MECHANISM**

1	Total Distribution Sendout	25,246,258	Mcf
2	Customer Metered Volumes	24,663,115	Mcf
3	Actual Line Loss -- [(Line 1 - Line 2) / Line 1]	2.364%	
4	Actual Factor of Adjustment -- [1 / (1 - 0.0236)]	1.0242	
5	If Line 4 is \geq Lower Dead band and \leq Upper Dead band, equal to line 4 If Line 4 is < Lower Dead band, equal to line 14 If Line 4 is > Upper Dead band, equal to line 13	1.0242	
<u>Calculation of Benefit / (Shortfall):</u>			
6	Total Cost of Gas 12 months Ended August XX	\$75,000,000	
7	(Line 5 above)	1.0242	
	-----	-----	1.009960
	Fixed Factor of Adjustment (Line 13 Below)	1.0141	
8	Net Adjusted Commodity Cost of Gas (Line 6 x Line 7)	\$75,747,000	
9	SPA Dollars to (Credit) / Charge Customers through MGA (Line 8 - Line 6)	\$747,000	
10	Forecasted Firm Sales (SC Nos. 1, 2, and 6) (Ccf) for 12 ME Dec 20XX	196,770,000	Ccf
11	SPA Mechanism Rate (\$/Ccf) in Monthly Gas Adjustment	\$0.00380	

** The Fixed FOA for purposes of calculating incentives / penalties based on 1.388% losses equals:			
12	100.0	100.0	
	-----	-----	
	(100.0 - 1.388)	98.612	1.0141
** The maximum "FOA Before Adjustment" based on 2.823% losses equals:			
13	100.0	100.0	
	-----	-----	
	(100.0 - 2.823)	97.177	1.0291
** The minimum "FOA Before Adjustment" based on 0.000% losses equals:			
14	100.0	100.0	
	-----	-----	
	(100.0 - 0.000)	100	1.0000

Note: The Fixed FOA will be reset every November 1 based on the average of the actual FOAs for the previous five twelve-month periods ended August 31.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Examples of Incentives/Penalties and SPA Mechanism At Various Actual Factor of Adjustments

	Actual FOA Below Dead band	Actual FOA Between Minimum FOA and Fixed FOA	Actual FOA Between Fixed FOA and Maximum FOA	Actual FOA Above Dead band
1 Actual Line Loss Factor	0.762%	1.414%	2.027%	2.560%
2 Actual Factor of Adjustment	1.0077	1.0143	1.0207	1.0263
3 Lower Dead Band	1.0000	1.0000	1.0000	1.0000
4 Upper Dead Band	1.0291	1.0291	1.0291	1.0291
5 Adjustment to Cost of Gas Formula for Line Loss Incentive Penalty Applied to GSC	= 1.0098 / 1.0077	= 1.0151 / 1.0151	= 1.0207 / 1.0207	= 1.0247 / 1.0263
6 Adjustment to Cost of Gas for Line Loss Incentive Penalty Applied to GSC	0.992359	1.000000	1.000000	1.002728
7 Actual Cost of Gas	\$75,000,000	\$75,000,000	\$75,000,000	\$75,000,000
8 Cost of Gas Adjustment Factor for Line Loss Incentive / Penalty Applied to GSC	0.99236	1.00000	1.00000	1.00273
9 Net Adjusted Cost of Gas for Line Loss Incentive / Penalty Applied to GSC	\$74,426,925	\$75,000,000	\$75,000,000	\$75,204,600
10 Company Benefit / (Penalty) Due to Line Losses Applied to GSC	(\$573,075)	\$0	\$0	\$204,600
11 Adjustment to Cost of Gas Formula for Line Loss Incentive Penalty Applied to MGA	= 1.0098 / 1.0172	= 1.0151 / 1.0172	= 1.0207 / 1.0172	= 1.0247 / 1.0172
12 Adjustment to Cost of Gas for Line Loss Incentive Penalty Applied to MGA	0.983091	0.997149	1.003441	1.011699
13 Net Adjusted Cost of Gas for Line Loss Incentive / Penalty Applied to MGA	\$73,731,825	\$74,786,175	\$75,258,075	\$75,877,425
14 SPA Dollars to (Credit) / Charge Customers through MGA	(\$1,268,175)	(\$213,825)	\$258,075	\$877,425

Note: The Fixed FOA will be reset every November 1 based on the average of the actual FOAs for the previous five twelve-month periods ended August 31.

ORANGE & ROCKLAND UTILITIES
AVERAGE SERVICE LIVES, NET SALVAGE
ANNUAL DEPRECIATION RATES AND LIFE TABLES
(ELECTRIC AND COMMON EFFECTIVE 1/1/2022, GAS EFFECTIVE 1/1/2024)

PSC ACCT NUMBER	ACCOUNT DESCRIPTION	LIFE TABLE	AVERAGE SERVICE LIFE (Years)	NET SALVAGE %	ANNUAL RATE %	
<u>ELECTRIC PLANT</u>						
<u>INTANGIBLE PLANT</u>						
303100	WMS SOFTWARE	SQ	5	-	20.00	(A)
303110	DISTRIBUTION MANAGEMENT SYSTEM	SQ	5	-	20.00	(A)
303120	DISTRIBUTION ENGINEERING SYSTEM (DEW)	SQ	5	-	20.00	(A)
303130	STRAY VOLTAGE SYSTEM	SQ	5	-	20.00	(A)
303140	OUTAGE MANAGEMENT SYSTEM (OMS)	SQ	5	-	20.00	(A)
303150	WEB WMS PHASE 1	SQ	5	-	20.00	(A)
303170	2009 ELECTRIC SOFTWARE ADDITIONS	SQ	5	-	20.00	(A)
303190	2011 ELECTRIC SOFTWARE	SQ	5	-	20.00	(A)
303830	MUNICIPAL ST. LT	SQ	5	-	20.00	(A)
303840	OUTAGE MGMT PH II	SQ	5	-	20.00	(A)
303850	OMS 2014 UPGRADE	SQ	5	-	20.00	(A)
303870	EIMS 2014	SQ	5	-	20.00	(A)
303880	ECC/ACC	SQ	5	-	20.00	(B)
303890	2014 NUCON DG	SQ	5	-	20.00	(A)
303900	ARCOS CREW MANAG	SQ	5	-	20.00	(A)
303920	STORM OUTAGE DASHBOARD	SQ	5	-	20.00	(A)
303940	SOFTWARE 5 YEARS	SQ	5	-	20.00	(B)
303945	SOFTWARE 5 YEARS CLOUD	SQ	5	-	20.00	(B)
<u>TRANSMISSION PLANT</u>						
350000	LAND-EASEMENTS	R3	70	-	1.43	
350100	LAND AND LAND RIGHTS	-	-	-	-	
351000	ENERGY STORAGE EQUIPMENT TRANS	S2.5	15	-	6.67	
352000	STRUCTURES AND IMPROVEMENTS	R1.5	65	(15)	1.77	
353000	STATION EQUIPMENT	R1	45	(20)	2.67	
354000	TOWERS AND FIXTURES	R4	70	(30)	1.86	
355000	POLES AND FIXTURES-WOOD	R3	60	(40)	2.33	
355100	POLES AND FIXTURES-STEEL	R3	60	(40)	2.33	
356000	OVERHEAD CONDUCTORS & DEVICES	R1.5	65	(20)	1.85	
356100	OVERHEAD COND & DEVICES-CLEARING	R1.5	65	0	1.54	
357000	UNDERGROUND CONDUIT	R3	45	-	2.22	
358000	UNDERGROUND COND AND DEVICES	S3	35	(5)	3.00	
359000	ROADS AND TRAILS	R4	70	-	1.43	
<u>DISTRIBUTION PLANT</u>						
360000	LAND-EASEMENTS	S3	70	-	1.43	
360100	LAND AND LAND RIGHTS-FEE	-	-	-	-	
361000	STRUCTURES AND IMPROVEMENTS	R3	55	(15)	2.09	
362000	STATION EQUIPMENT	S0	50	(15)	2.30	
363000	ENERGY STORAGE EQUIPMENT DIST	S2.5	15	-	6.67	
364000	POLES,TOWERS, AND FIXTURES	R0.5	60	(100)	3.33	
365000	OVERHEAD CONDUCTOR AND DEVICES	R1.0	70	(95)	2.79	
365100	O/H COND AND DEVICES-CAPACITORS	R1.5	30	(35)	4.50	
366000	UNDERGROUND CONDUIT	R3	75	(40)	1.87	
367000	UNDERGROUND CONDUCTOR & DEVICES	R4	60	(40)	2.33	
367100	U.G. COND. & DEVICES - CABLE CURE	(A)	-	-	-	
368100	LINE TRANSFORMERS-OVERHEAD	R0.5	50	(20)	2.40	
368200	LINE TRANSFORMERS-O/H INSTALLS	R0.5	50	(20)	2.40	
368300	LINE TRANSFORMERS-UNDERGROUND	R0.5	50	(20)	2.40	
368400	LINE TRANSFORMERS-U/G INSTALLS	R0.5	50	(20)	2.40	
369100	SERVICES-OVERHEAD	R3	65	(105)	3.15	
369200	SERVICES-UNDERGROUND	R3	65	(105)	3.15	
370100	METERS - ELECTRO-MECHANICAL	L0	25	-	4.00	
370110	METERS - SOLID-STATE	S2.5	20	-	5.00	
370120	METERS - AMI METERS	S2	20	-	5.00	
370150	METERS - UNRECOVERED EM PURCHASES	(D)	-	-	-	
370160	METERS - UNRECOVERED SS PURCHASES	(D)	-	-	-	
370200	METER INSTALLATIONS - ELECTRO-MECHANICAL	L0	25	-	4.00	
370210	METER INSTALLATIONS - SOLID-STATE	S2.5	20	-	5.00	
370220	METER INSTALLATIONS - AMI	S2	20	-	5.00	
370250	METERS - UNRECOVERED EM INSTALL	(D)	-	-	-	
370260	METERS - UNRECOVERED SS INSTALL	(D)	-	-	-	
371000	INSTALLATION ON CUSTOMER PREMISES	R0.5	45	-	2.22	
371100	PALISADES MALL METERING	(A)	-	-	-	
373100	STREET LIGHTS-OVERHEAD	R0.5	45	(50)	3.33	
373200	STREET LIGHTS-UNDERGROUND	R0.5	45	(50)	3.33	

ORANGE & ROCKLAND UTILITIES
AVERAGE SERVICE LIVES, NET SALVAGE
ANNUAL DEPRECIATION RATES AND LIFE TABLES

PSC ACCT NUMBER	ACCOUNT DESCRIPTION	LIFE TABLE	AVERAGE SERVICE LIFE (Years)	NET SALVAGE %	ANNUAL RATE %	
<u>ELECTRIC PLANT</u>						
<u>GENERAL PLANT</u>						
389100	LAND AND RIGHTS - FEE	-	-	-	-	
390000	STRUCTURES AND IMPROVEMENTS	S0	45	(30)	2.89	
391100	OFFICE FURN/EQUIP-FURNITURE	SQ	20	-	5.00	(B)
391200	OFFICE FURN/EQUIP-OFFICE MACHINES	SQ	15	-	6.67	(B)
391700	OFFICE FURN/EQUIP-P/C EQUIPMENT	SQ	8	-	12.50	(B)
391800	OFFICE FURN/EQUIP-E.C.C.	SQ	13	-	7.69	(B)
392100	TRANSP EQUIP-PASSENGER CARS	S2.5	12	10	7.50	
392200	TRANSP EQUIP-LIGHT TRUCKS	S1	10	10	9.00	
392300	TRANSP EQUIP-HEAVY TRUCKS	L3	14	5	6.79	
392400	TRANSP EQUIP-TRAILERS/TRAILER MTD EQ.	L3	14	5	6.79	
393000	STORES EQUIPMENT	SQ	20	-	5.00	(B)
394000	TOOLS, SHOP AND WORK EQUIPMENT	SQ	20	-	5.00	(B)
395000	LABORATORY EQUIPMENT	SQ	20	-	5.00	(B)
396000	POWER OPERATED EQUIPMENT	R3	18	15	4.72	
396100	POWER OPERATED EQ - NON FLEET	R3	18	15	4.72	
397000	COMMUNICATION EQUIPMENT	SQ	15	-	6.67	(B)
397100	COMMUNICATION EQUIPT-TELE SYSTEM COMPUTER	SQ	15	-	6.67	(B)
398000	MISCELLANEOUS EQUIPMENT	SQ	20	-	5.00	(B)
<u>PLANT HELD FOR FUTURE USE - TRANSMISSION</u>						
350009	LAND AND LAND RIGHTS-EASEMENTS		0	-	-	
<u>PLANT HELD FOR FUTURE USE - DISTRIBUTION</u>						
360009	LAND AND LAND RIGHTS-EASEMENTS		0	-	-	
360109	LAND AND LAND RIGHTS-EASEMENTS	-	-	-	-	

ORANGE & ROCKLAND UTILITIES
AVERAGE SERVICE LIVES, NET SALVAGE
ANNUAL DEPRECIATION RATES AND LIFE TABLES

PSC ACCT NUMBER	ACCOUNT DESCRIPTION	LIFE TABLE	AVERAGE SERVICE LIFE (Years)	NET SALVAGE %	ANNUAL RATE %	
<u>COMMON PLANT</u>						
<u>INTANGIBLE PLANT</u>						
301000	ORGANIZING	-	-	-	-	
303180	2011 COMMON SOFTWARE ADDITION	SQ	5	-	20.00	(A)
303200	MAPPING SOFTWARE	SQ	5	-	20.00	(A)
303310	EZ VMS SYSTEM	SQ	5	-	20.00	(A)
303320	PEOPLESOFT HR/PR SYSTEM	SQ	15	-	6.67	(B)
303330	PROJECT ONE- GL	SQ	15	-	6.67	(B)
303400	CIMS SYSTEM SOFTWARE	SQ	15	-	6.67	(A)
303401	CIMS SYSTEM SOFTWARE UPGRADE	SQ	5	-	20.00	(A)
303410	CUSTOMER BILLING SYSTEM	SQ	15	-	6.67	(A)
303450	ORACLE STRATEGIC AGREEMENT	SQ	15	-	6.67	(B)
303500	PLUS SYSTEM SOFTWARE	SQ	5	-	20.00	(A)
303510	POWERPLAN SOFTWARE	SQ	15	-	6.67	(B)
303600	WALKER SYSTEM SOFTWARE	SQ	5	-	20.00	(A)
303700	BUDGET SYSTEM SOFTWARE	SQ	5	-	20.00	(A)
303800	RETAIL ACCESS SOFTWARE	SQ	5	-	20.00	(A)
303810	RETAIL ACCESS SOFTWARE PHASE 4	SQ	5	-	20.00	(A)
303840	FIELD ORDER ROUTE DESIGN SYSTEM	SQ	5	-	20.00	(A)
303870	DATAPIPE SOFTWARE	SQ	5	-	20.00	(A)
303900	NEW BUS PROJ MGMT	SQ	5	-	20.00	(A)
303910	NEW CONSTRUCTION SERVICES (NUCON)	SQ	5	-	20.00	(A)
303911	NUCON ENHANCEMENT	SQ	5	-	20.00	(A)
303920	ROPES	SQ	5	-	20.00	(A)
303930	STORM COMMUNICATION	SQ	5	-	20.00	(A)
303940	COMMON SOFTWARE 5 YEARS	SQ	5	-	20.00	(B)
303945	COMMON SOFTWARE 5 YEARS CLOUD	SQ	5	-	20.00	(B)
303941	COMMON SOFTWARE 15 YEARS	SQ	15	-	6.67	(B)
303950	PHONE APP	SQ	5	-	20.00	(B)
303960	RETAIL ACCESS 2015	SQ	5	-	20.00	(A)
303970	ROUTE SMART	SQ	5	-	20.00	(A)
303980	EPMS	SQ	5	-	20.00	(A)
303990	WEBSITE REDESIGN	SQ	5	-	20.00	(B)
303991	AMI SOFTWARE	SQ	20	-	5.00	(B)
303998	AMI SOFTWARE CLOUD	SQ	20	-	5.00	(B)
303992	CUSTOMER OUTAGE COMMUNICATION	SQ	5	-	20.00	(B)
303993	FLEET MANAGEMENT	SQ	5	-	20.00	(B)
303994	PI 360	SQ	5	-	20.00	(B)
303995	PRIMATE SITUATIONAL AWARENESS	SQ	5	-	20.00	(A)
<u>GENERAL PLANT EQUIPMENT</u>						
389000	LAND-EASEMENTS	R3	50	-	2.00	
389100	LAND AND LAND RIGHTS -FEES	-	-	-	-	
390000	STRUCTURES AND IMPROVEMENTS	S0	45	(30)	2.89	
390100	LEASEHOLD IMPROVEMENTS-BLUE HILL	-	-	-	-	(C)
391100	OFFICE FURN/EQUIP-FURNITURE	SQ	20	-	5.00	(B)
391200	OFFICE FURN/EQUIP-OFFICE MACHINES	SQ	15	-	6.67	(B)
391300	OFFICE FURN/EQUIP-CASH EQUIPMENT	SQ	8	-	12.50	(B)
391700	OFFICE FURN/EQUIP-P/C EQUIPMENT	SQ	8	-	12.50	(B)
391710	OFFICE FURN/EQUIP-NON P/C EQUIPMENT	SQ	8	-	12.50	(B)
392100	TRANSP EQUIP-PASSENGER CARS	S2.5	12	10	7.50	
392200	TRANSP EQUIP-LIGHT TRUCKS	S1	10	10	9.00	
392300	TRANSP EQUIP-HEAVY TRUCKS	L3	14	5	6.79	
392400	TRANSP EQUIP-TRAILERS/TRAILER MTD EQ.	L3	14	5	6.79	
393000	STORES EQUIPMENT	SQ	20	-	5.00	(B)
394000	TOOLS, SHOP AND WORK EQUIPMENT	SQ	20	-	5.00	(B)
394200	GARAGE EQUIPMENT	SQ	20	-	5.00	(B)
395000	LABORATORY EQUIPMENT	SQ	20	-	5.00	(B)
396000	POWER OPERATED EQUIPMENT	R3	18	15	4.72	
396100	POWER OPERATED EQ. - NON FLEET	R3	18	15	4.72	
397000	COMMUNICATION EQUIPMENT	SQ	15	-	6.67	(B)
397100	COMMUNICATION EQ.-TELE SYS COMPUTER	SQ	15	-	6.67	(B)
397200	COMMUNICATION EQ.-TELE SYS EQPT	SQ	15	-	6.67	(B)
398000	MISCELLANEOUS EQUIPMENT	SQ	20	-	5.00	(B)

ORANGE & ROCKLAND UTILITIES
AVERAGE SERVICE LIVES, NET SALVAGE
ANNUAL DEPRECIATION RATES AND LIFE TABLES

PSC ACCT NUMBER	ACCOUNT DESCRIPTION	LIFE TABLE	AVERAGE SERVICE LIFE (Years)	NET SALVAGE %	ANNUAL RATE %	
<u>GAS PLANT</u>						
<u>TRANSMISSION PLANT</u>						
367002	GAS MAINS STEEL	R3	70	(35)	1.93	
367003	GAS MAINS PLASTIC	R3	70	(35)	1.93	
367005	LPP MAINS	R3		(35)	4.97	(E)
367322	MAINS - STEEL - STONY POINT		-	-	-	
367502	MAINS - LEDERLE		-	-	-	(A)
<u>DISTRIBUTION PLANT</u>						
374000	LAND & LAND RIGHTS - EASEMENTS	R4	75	-	1.33	
374100	LAND & LAND RIGHTS - FEE	-	-	-	-	
374200	LAND - FEE - CLEVEPAK		-	-	-	(A)
375000	STRUCTURES & IMPROVEMENTS	R2.5	65	(30)	2.00	
375100	ST. & IMPROV. - STONY POINT MAIN		-	-	-	(A)
376000	GAS MAINS PLASTIC	R3	70	(35)	1.93	
376005	LPP MAINS PLASTIC	R3		(35)	6.90	(E)
376100	LPP GAS MAINS CAST IRON	R3		(35)	4.21	(E)
376200	MAINS - CLEVEPAK		-	-	-	(A)
376300	GAS MAINS STEEL	R3	70	(35)	1.93	
376305	LPP MAINS-STEEL	R3		(35)	4.84	(E)
376330	MAINS - TRANSCO		-	-	-	(A)
377000	COMPRESS STATION EQ	S0	35	(20)	3.43	
378000	MEASURING AND REGULATING EQ.	S0	35	(20)	3.43	
378100	MEAS. & REG. EQ. - STONY POINT		-	-	-	(A)
378330	MEAS. & REG. EQ. - TRANSCO		-	-	-	(A)
378340	MEAS. & REG. EQ. - TRANSCO ORDER 63		-	-	-	(A)
380000	SERVICES	R3	65	(90)	2.92	
380005	LPP SERVICES PLASTIC	R3		(90)	8.04	(E)
380006	SERVICES STEEL	R3	65	(90)	2.92	
380007	LPP SERVICES STEEL	R3		(90)	5.21	(E)
381000	METERS	R2	40	-	2.50	
381200	METERS - AMI PURCHASE	S2	20	-	5.00	
382000	METER INSTALLATIONS	R3	55	(15)	2.09	
382200	METER INST. - AMI	S2	20	(15)	5.75	
382400	METER BAR INSTALLATIONS	R3	55	(15)	2.09	
383000	HOUSE REGULATORS	R2	40	-	2.50	
384000	HOUSE REGULATOR INSTALLATIONS	R3	55	(15)	2.09	
385000	INDUSTRIAL MEAS. & REG. EQ.	R4	35	(5)	3.00	
385500	IND. MEAS. & REG. EQ. - LEDERLE		-	-	-	(A)
386300	OTHER PROP. ON CUSTS.' PREM.	S3	20	-	5.00	
<u>GENERAL PLANT EQUIPMENT</u>						
389100	LAND - FEE	-	-	-	-	
390000	STRUCTURES AND IMPROVEMENTS	S0	45	(30)	2.89	
391100	OFFICE FURNITURE & EQ. - FURNITURE	SQ	20	-	5.00	(B)
391200	OFFICE FURNITURE & EQ. - MACHINES	SQ	15	-	6.67	(B)
391700	OFFICE FURNITURE & EQ. - EDP EQ.	SQ	8	-	12.50	(B)
392100	TRANSPORTATION EQ. - PASS. CARS	S2.5	12	10	7.50	
392200	TRANS. EQ. - LIGHT TRUCKS	S1	10	10	9.00	
392300	TRANS. EQ. - HEAVY TRUCKS	L3	14	5	6.79	
392400	TRANS. - TRAILERS	L3	14	5	6.79	
393000	STORES EQUIPMENT	SQ	20	-	5.00	(B)
394000	TOOLS & WORK EQUIPMENT	SQ	20	-	5.00	(B)
395000	LABORATORY EQUIPMENT	SQ	20	-	5.00	(B)
396000	POWER OPERATED EQUIPMENT	R3	18	15	4.72	
396100	POWER OPERATED EQUIPMENT - NON FLEET	R3	18	15	4.72	
397000	COMMUNICATION EQUIPMENT	SQ	15	-	6.67	(B)
397500	COMM EQ NG DETECTOR	SQ	5	-	20.00	
398000	MISCELLANEOUS EQUIPMENT	SQ	20	-	5.00	(B)

ORANGE & ROCKLAND UTILITIES
AVERAGE SERVICE LIVES, NET SALVAGE
ANNUAL DEPRECIATION RATES AND LIFE TABLES
(ELECTRIC AND COMMON EFFECTIVE 1/1/2022, GAS EFFECTIVE 1/1/2024)

PSC ACCT NUMBER	ACCOUNT DESCRIPTION	LIFE TABLE	AVERAGE SERVICE LIFE (Years)	NET SALVAGE %	ANNUAL RATE %	
INTANGIBLE PLANT						
302100	FRANCHISES AND CONSENTS					
302200	FRANCHISES & CONSENTS - AMORT.	SQ	5	-	20.00	(A)
303210	SOFTWARE - ADVANTICA GAS	SQ	5	-	20.00	(A)
303220	GMD AND GIMS 2011	SQ	5	-	20.00	(A)
303830	GAS INSPECTION MGT. SYSTEM	SQ	5	-	20.00	(A)
303850	GAS MOBILE DISPATCH SYSTEM	SQ	5	-	20.00	(A)
303880	GIMS - PHASE 2	SQ	5	-	20.00	(A)
303890	GMD - PH2 GIMS-PH3	SQ	5	-	20.00	(A)
303900	GMD METER ORDERS	SQ	5	-	20.00	(A)
303940	GAS SOFTWARE 5 YEARS	SQ	5	-	20.00	(B)
303945	GAS SW CLOUD	SQ	5	-	20.00	(B)
NONUTILITY PROPERTY						
304100	LAND & LAND RIGHTS - FEE					
304200	LAND & LAND RIGHTS - EASEMENTSTRUCTURES AND					(A)
304300	STRUCTURES AND IMPROVEMENTS					(A)

NOTES: (A)	Account is fully recovered	
(B)	Amortizable Accounts	
(C)	Account is amortizable over the remaining life of the assets.	
(D)	Additional accounts are opened to record unrecovered meters. The annual amortization expenses are:	
	OR - E- 370150 - UNRECOVERED EM PURCHASE	\$437,667
	OR - E- 370160 - UNRECOVERED SS PURCHASE	\$447,133
	OR - E- 370250 - UNRECOVERED EM INSTALL	\$166,133
	OR - E- 370260 - UNRECOVERED SS INSTALL	\$519,533
		<u>\$1,570,466</u>
(E)	Fixed amortization starting at January 1, 2024 for 10 years. The annual amortization expenses are:	
	OR-G- 367005 - MAINS LPP	\$29,748
	OR-G- 376005 - MAINS PLASTIC LPP	\$318,811
	OR-G- 376100 - GAS MAINS CAST IRON	\$6,921
	OR-G- 376305 - MAINS STEEL LPP	\$86,947
	OR-G-380005 - SERVICES PLASTIC LPP	\$288,796
	OR-G-380007 - SERVICES STEEL LPP	\$20,487
		<u>\$751,710</u>

Orange and Rockland
Cases 21-E-0074 and 21-G-0073
Earnings Sharing Partial Year
Stub Period Starting January 1, 2025
(000's)

Assumption: O&R Files for New Gas Rates Effective January 2025,
but Delays Filing for New Electric Rates for Six Months

<u>Month / Year</u>	<u>Electric Operating Income (1)</u>
January-25	\$ 2,400
February-25	1,500
March-25	300
April-25	1,800
May-25	2,800
June-25	10,500
Total	<u>\$ 19,300</u>

	<u>Electric Rate Base (1)</u>
Projected Rate Base at December 31, 2024	\$ 1,000,000
Projected Rate Base at June 30, 2025	<u>1,020,000</u>
Total	2,020,000
Divided by Two	<u>2</u>
Average Rate Base During Stub Period	\$ 1,010,000
x Ratio of operating income for the six months ended June 2021 to operating income for the 12 months ended December 2021	<u>25.3%</u>
Rate Base Subject to Earnings Test	<u>\$ 255,000</u>

Overall Rate of Return	
(\$ 19,300 / \$ 255,000)	<u>7.57%</u>

Return on Equity (Page 2) 10.96%

Earnings Sharing Threshold 9.70%

Earnings Above / (Under) Threshold 1.26%

Equity Earnings Base
(\$ 255,000 x 48.00%) \$ 122,400

Equity Earnings Above / (Under) Threshold Subject to Sharing
(\$ 122,400 x 1.26%) \$ 1,540

Note: the approach illustrated above would also apply to a delay in filing a gas case.

Orange and Rockland
Cases 21-E-0074 and 21-G-0073
Capital Structure & Cost of Money
Stub Period Starting January 1, 2025

	Capital Structure %	Cost Rate %	Cost of Capital %
Long Term Debt	51.42%	4.49%	2.31%
Customer Deposits	<u>0.58%</u>	0.05%	<u>0.00%</u>
Total Debt	52.00%		2.31%
Common Equity	<u>48.00%</u>	10.96%	<u>5.26%</u>
Total	<u><u>100.00%</u></u>		<u><u>7.57%</u></u>

Orange and Rockland Utilities, Inc.
Cases 21-G-0073 and 21-E-0074

Electric Reliability Performance Mechanism

Operation of Mechanism:

The Reliability Performance Mechanism (“RPM”) includes targets for the frequency and duration of electric service interruption, defined as:

1. Customer Average Interruption Duration Index (“CAIDI”) – the average interruption duration time (hours) for those customers that experience an interruption during the year.
2. System Average Interruption Frequency Index (“SAIFI”) – the average number of times that a customer is interrupted during a year.

The SAIFI and CAIDI performance targets for Orange and Rockland are 1.20 and 1.85, respectively, with negative revenue adjustments of 20 basis points for failure to meet each target on a calendar year basis. These targets are currently in effect and will continue until reset by the Commission.

Exclusions:

The following exclusions are applicable to operating performance under this reliability mechanism.

1. Any outages resulting from a major storm, as defined in 16 NYCRR Part 97.
2. Any incident resulting from a strike or a catastrophic event beyond the control of the Company, including but not limited to a plane crash, water main break, or natural disasters (*e.g.*, hurricanes, floods, earthquakes).
3. Any incident where problems beyond the Company’s control involving generation or the

bulk transmission system is the key factor in the outage, including, but not limited to, NYISO mandated load shedding. This criterion is not intended to exclude incidents that occur as a result of unsatisfactory performance by the Company.

Reporting:

The RPM will be measured on a calendar year basis. Accordingly, the results of the performance measurements, as measured during the calendar year 2022, 2023, and 2024, respectively, will be applied to Rate Years 1, 2, and 3, respectively.

The Company will prepare an annual report(s) on its performance under this reliability mechanism. The annual report(s) will be filed by March 31st of each year with the Secretary to the Commission (*e.g.*, the annual report for 2022 shall be due by March 31, 2023). The report(s) will state the following:

1. Company's annual system-wide performance under the RPM and identify whether a revenue adjustment is applicable and, if so, the amount of the revenue adjustment;
and
2. Whether any exclusions should apply, the basis for requesting each exclusion, and adequate support for all requested exclusions.

Orange and Rockland Utilities, Inc.
Cases 21-G-0073

Gas Safety Performance Metrics

The gas safety performance measures described herein will be in effect for the term of the Gas Rate Plan. All gas safety measures and targets (and associated revenue adjustments)¹ for calendar year 2024 remain in effect thereafter unless and until changed by the Commission.²

Negative Revenue Adjustments

1. **Leak Management/Emergency Response/Damages**

a. Leak Management – Repairable Leaks

If the repairable leak backlog (types 1, 2 and 2A) exceeds the targets set forth below in calendar year 2022, 2023 and 2024, the following negative rate adjustment will apply for each calendar year that the performance measures noted below are not attained.³

2022

Less than or equal to 20	No adjustment
Greater than 20	10 basis points ⁴

2023

Less than or equal to 20	No adjustment
Greater than 20	10 basis points

¹ Negative revenue adjustments relating to the Gas Safety Performance metrics in this section shall not exceed 150 basis points in RY1, RY2 or RY3.

² The 66 mile replacement target established below, for the three-year period 2022 to 2024, does not remain in effect beyond 2024. However, the 20 miles of main removal per year will remain in effect beyond 2024, unless and until changed by the Commission.

³ Only "successful elimination" of a leak will be considered a valid leak repair.

⁴ The basis point negative rate adjustment associated with each measure is stated on a pre-tax basis. The revenue requirement equivalents of a ten basis point on common equity capital per the gas revenue requirements under this Proposal are estimated to be approximately \$0.377 million in RY1, \$0.405 million in RY2 and \$0.433 million in RY3.

2024

Less than or equal to 20	No adjustment
Greater than 20	10 basis points

Orange and Rockland will be recognized as having met the leak backlog targets if they are achieved between December 21, and December 31 in RY1, RY2 and RY3.

b. Leak Management - Year-End Total Backlog

If the year-end total leak backlog (types 1, 2, 2A and 3) exceeds the targets set forth below in calendar year 2022, 2023 and 2024, the following negative rate adjustment will apply for each calendar year that the performance measures noted below are not attained.⁵

2022

Less than or equal to 50	No adjustment
Greater than 50	5 basis points

2023

Less than or equal to 50	No adjustment
Greater than 50	5 basis points

2024

Less than or equal to 50	No adjustment
Greater than 50	5 basis points

Orange and Rockland will be recognized as having met the leak backlog targets if they are achieved between December 21, and December 31 in RY1, RY2 and RY3.

⁵ Only "successful elimination" of a leak will be considered a valid leak repair. In addition, the Company will recheck Type 3 leaks.

c. Emergency Response - 30 Minute Response Time

If Orange and Rockland does not respond to gas leak or odor calls within 30 minutes for at least 75 percent of the calls for calendar years 2022, 2023 and 2024, a negative rate adjustment of twelve basis points will apply for each calendar year that the performance measures are not attained.

The Company may seek the following exclusion to operating performance under this measure:

Gas leak and odor calls resulting from such events as mass area odor complaints, major weather-related occurrences, or major equipment failure.

Orange and Rockland shall provide notification to safety@dps.ny.gov within seven days of such event that the Company is seeking Staff's consent to the exclusion. Staff will respond whether it consents or does not consent to the requested exclusion.⁶ The Company may proceed with filing its request for an exclusion if it has not received a response from Staff within 90 days.

d. Emergency Response - 45 Minute Response Time

If Orange and Rockland does not respond to gas leak or odor calls within 45 minutes for at least 90 percent of the calls for calendar years 2022, 2023 and 2024, a negative rate adjustment of eight basis points will apply for each calendar year that the performance measures are not attained.

e. Emergency Response - 60 Minute Response Time

If Orange and Rockland does not respond to gas leak or odor calls within 60 minutes for at least 95 percent of the calls for calendar years 2022, 2023 and 2024, a negative rate adjustment of five basis points will apply for each calendar year that the performance measures are not attained.

⁶ This exclusion, as well as the right to petition the Commission pursuant to the General Provisions section below, also applies to the 45-Minute Response Time and 60-Minute Response Time measures.

f. Damage Prevention

All damages will be tracked, measured and counted following the guidelines for the data reported for the Annual Gas Safety Performance Measures report. Hand damages where notification has been provided will be included in this measure.

If the number of total damages to Company gas facilities made by any party exceeds the targets set forth below per 1,000 one-call tickets in calendar year 2022, 2023 and 2024, the negative rate adjustment associated with such target will apply for each calendar year that the performance measure noted below is not attained.⁷

2022

Greater than 1.50 but less than or equal to 2.00	No adjustment
greater than 2.00 but less than or equal to 2.25	5 basis points
greater than 2.25 but less than or equal to 2.50	10 basis points
greater than 2.50	20 basis points

2023

Greater than 1.50 but less than or equal to 2.00	No adjustment
greater than 2.00 but less than or equal to 2.25	5 basis points
greater than 2.25 but less than or equal to 2.50	10 basis points
greater than 2.50	20 basis points

2024

Greater than 1.50 but less than or equal to 2.00	No adjustment
greater than 2.00 but less than or equal to 2.25	5 basis points
greater than 2.25 but less than or equal to 2.50	10 basis points
greater than 2.50	20 basis points

2. Gas Main Replacement

⁷ Orange and Rockland will have the option to average the current year and prior year total damage number to calculate the total damages number used to establish the Company's performance for 2022, 2023 and 2024. (e.g., if this option is exercised, the total damage performance for Orange and Rockland in 2022 would be the average of the Company's total damage performance for 2021 and 2022).

The Company will remove from service a minimum of 66 miles of leak-prone gas main⁸ during the three calendar year period 2022 to 2024. The Gas Rate Plan establishes minimum replacement targets of 20 miles in 2022, 20 miles in 2023 and 20 miles in 2024. Following the term of the Gas Rate Plan, a minimum of 20 miles of leak-prone gas main will be replaced each year.

If the Company does not meet the annual 20-mile minimum for removal of leak-prone gas main in 2022, 2023 or 2024, the Company will be subject to a negative revenue adjustment equivalent to: fifteen basis points for failing to meet the minimum in 2022 and/or 2023; and seven and one-half basis points for failing to meet the minimum in 2024. If the Company does not remove from service a total of 66 miles of leak-prone pipe over the three-year period, the Company will be subject to a negative rate adjustment equivalent to seven and one-half basis points.

Ineffectively coated steel will be counted if it is in the top 5% riskiest for that year, and Orange & Rockland may request other ineffectively coated steel not in the top 5% to be included as long as proper justification is provided to Staff and Staff consents with the request. Requests shall be submitted to safety@dps.ny.gov.

3. **Gas Regulations Performance Measure**

This metric applies to instances of non-compliance (violations) with the gas safety regulations set forth below that are identified during Staff field and records audits. The categorization of violations hereunder as “High” or “Other” Risk is for administrative purposes of this metric only and do not constitute an admission by the Company as to the level of risk associated with any such regulation or the violation thereunder or that there is any risk associated with a violation.

⁸ Bare steel and aldy plastic will be considered for this measure. The Company may count ineffectively coated steel that is in the top 5% riskiest pipe for that year. Orange and Rockland may request for inclusion of other ineffectively coated steel (e.g., high leakage rates). Staff to respond whether it consents or does not consent with the request.

Only violations identified and included in Staff field and record audit letters may be counted for purposes of this metric. The audit letters cite violations as, for example, “1 violation, ten occurrences,” which means one code section has been violated ten times. For the Gas Regulations Performance Measure, this example constitutes ten violations (the number of occurrences is the number of violations).

At the conclusion of each audit, Staff and the Company will have a compliance meeting at which Staff will present its findings to the Company, including which violation(s), if any, that Staff recommends be subject to this metric. The Company will have five business days from the date of the compliance meeting to cure any identified document deficiency. Only official Company records, as defined in the Company’s Operating and Maintenance plan, will be considered by Staff as a cure to a document deficiency. In addition, if the Company is found to be in violation of its work procedure, but the work procedure exceeds Code 255 or 261, and the Company is not in violation of the Code requirement, the violation will not be subject to a negative revenue adjustment under this this Safety Violation metric.

Negative revenue adjustments, if any, would be applied as set forth in the following charts:

High Risk Records Audit	Other Risk Records Audit
Threshold - 0-5 (0 BP) for RY1, RY2, and RY3	Threshold - 0-15 (0 BP) for RY1, RY2, and RY3
RY1 – 6-20 (1/2 BP); 21+ (1 BP)	RY1 – 16+ (1/4 BP)
RY2 – 6-20 (1/2 BP); 21+ (1 BP)	RY2 – 16+ (1/4 BP)
RY3 – 6-20 (1/2 BP); 21+ (1 BP)	RY3 – 16+ (1/4 BP)

High Risk Field Audit	Other Risk Field Audit
RY1 – 1-20 (1/2 BP); 21+ (1 BP)	RY1 – 1+ (1/4 BP)
RY2 – 1-20 (1/2 BP); 21+ (1 BP)	RY2 – 1+ (1/4 BP)
RY3 – 1-20 (1/2 BP); 21+ (1 BP)	RY3 – 1+ (1/4 BP)

Any negative revenue adjustments assessed under this metric shall not exceed 75 basis points for 2022, 2023 and 2024 and subsequent calendar years, until changed by the Commission. For any code section, the number of violations will be capped at ten for the negative revenue adjustment determination, for both field and record audits, with the requirement that violations in excess of ten be addressed by a corrective action plan formally submitted to Staff by the Company to achieve compliance going forward. If the Company does not adhere to the corrective action plan, the negative revenue adjustment associated with the violations will be applied. The corrective action plan will be provided in the Company's response to the audit letter.

This metric will be effective as of January 1, 2022 and will be measured on a calendar year basis. For **Field Audits**, only actions performed or required to be performed in the year that the Field Audit is conducted may constitute an occurrence under this metric (*e.g.*, violations arising from 2022 Field Audit findings would count towards any applicable Rate Year 1 (2022) Negative Revenue Adjustments). For **Record Audits**, only documentation required to be performed during the calendar year prior to the year in which the Record Audit is conducted may constitute an occurrence under this metric (*e.g.*, violations arising from 2023 Record Audit findings for activities performed or not performed in 2022 would count towards any applicable Rate Year 2 (2022) Negative Revenue Adjustments).

Staff will submit its final audit reports to the Secretary under Case 21-G-0073. If the Company disputes any of Staff's final audit results, or elects to seek exclusions based on extenuating circumstances, the Company may appeal Staff's finding to the Commission. The Company will include in any such petition a remediation plan addressing such violations. If the Company elects to dispute any of Staff's findings, the Company will not incur a negative revenue adjustment on those Staff findings until such time as the Commission has issued a final decision on the Company's appeal. Upon Company request, the Commission may in its discretion, provide the Company with an evidentiary hearing prior to any final determination. The Company does not waive its right to seek judicial appeal of any Commission determination regarding a violation or penalty under applicable law.

Positive Rate Adjustments

1. Leak Management/Main Replacement/Emergency Response/Damage Protection

a. Leak Management – Year-End Total Backlog

a. Leak Management - Year-End Total Backlog

If the Company successfully reduces the year-end total leak backlog (types 1, 2, 2A and 3) to the targets set forth below in calendar year 2022, 2023 and/or 2024, the Company will receive the following positive rate adjustment for Rate Year 2022, Rate Year 2023 and/or Rate Year 2024, as applicable, up to the following annual maximum amounts.⁹

Basis Points Incentive if Year-End Total Leak Backlog Is:			
	2 BP	4 BP	6 BP
2022	11 to 20	4 to 10	0 to 3
2023	9 to 15	4 to 8	0 to 3
2024	9 to 15	4 to 8	0 to 3

⁹ Only "successful elimination" of a leak will be considered a valid leak repair. In addition, the Company will recheck Type 3 leaks.

b. Gas Main Replacement

In the event the Company replaces or eliminates leak-prone pipe¹⁰ in excess of 22 miles in Rate Year 2022, Rate Year 2023, and/or Rate Year 2024, for each whole mile in excess of 23 miles, the Company shall receive a positive revenue adjustment of 2 basis points per additional whole mile, capped at a maximum of 10 basis points (five miles) per calendar year. The Table below shows the basis points available for different mileages of leak-prone pipe replaced for Rate Year 2022, Rate Year 2023 and Rate Year 2024.

Basis Points Incentive if the Miles of LPP Replacement Is:				
2 BP	4 BP	6 BP	8 BP	10 BP
24 to <25	25 to <26	26 to <27	27 to <28	≥ 28

c. Emergency Response - 30 Minute Response Time

If Orange and Rockland responds to gas leak or odor calls within 30 minutes for at least 91 percent of the calls for calendar years 2022, 2023 and/or 2024, the Company shall receive for the applicable year(s) a positive revenue adjustment of 2 basis points for each percentage increase of 2 percent, capped at a maximum of 6 basis points. The Table below shows the basis points available for different response time performance for Rate Year 2022, Rate Year 2023 and Rate Year 2024.

Basis Points Incentive if Emergency Response – 30 Minute Percentage Is:		
2 BP	4 BP	6 BP
91% to <93%	≥93% to <95%	≥ 95%

¹⁰ Bare steel and aldy plastic will be considered for this measure. The Company may count ineffectively coated steel that is in the top 5% riskiest pipe for that year. Orange and Rockland may request for inclusion of other ineffectively coated steel (e.g., high leakage rates). Staff to respond whether it consents or does not consent with the request.

d. Damage Prevention

If the Company successfully reduces the number of total damages to Company gas facilities made by any party by the targets set forth below per 1,000 one-call tickets in calendar year 2022, 2023 and/or 2024, the Company shall receive for the applicable year(s) a positive revenue adjustment. The Table below shows the basis points available for damage prevention performance for Rate Year 2022, Rate Year 2023 and Rate Year 2024.

Rate Year	Basis Points Incentive if Total Damages per 1000 one-call Tickets Is:	
2022	5 BP	10 BP
	>1.25 to ≤1.50	≤1.25
2023	5 BP	10 BP
	>1.25 to ≤1.50	≤1.25
2024	5 BP	10 BP
	>1.25 to ≤1.50	≤1.25

General Provisions

The Company will report its annual performance in each of the areas set forth in this Appendix to the Secretary no later than 60 days following the end of each calendar year. If a performance metric is not met, the associated negative revenue adjustment will be excused when the Company can demonstrate to the Commission extenuating circumstances that prevented the Company from meeting such performance metric. The determination of whether such circumstances exist will be made on a case-by-case basis by the Commission. The Company does not waive its right to seek judicial appeal of any Commission determination regarding a violation or penalty under applicable law.

With respect to leak-prone pipe replacement, the report shall include material type, mileage, project location, and a summary noting the totals of aldy1 plastic, bare steel and ineffectively coated steel that were replaced and what percentage of pipe replaced, in that year, was in the top 5% of riskiest pipe at the start of the calendar year, established by the Company.

The Company will provide, to safety@dps.ny.gov, a list of the top 5% riskiest pipe yet to be replaced at the start of each calendar year. For any pipe on the list for the calendar year that the Company does not plan to replace in that calendar year, the Company will provide a brief explanation. Along with the list, the Company will identify any riskiest pipe on the preceding calendar year's list that was not replaced as planned.

2022-2024 Cases 21-G-0073 - O&R - Pipeline Safety Measures														
Pipeline Safety Measures	Criteria	Unit	NRA (BPs)	PRA (BPs)	CY 2022 Target	NRA (BPs)	PRA (BPs)	CY 2023 Target	NRA (BPs)	PRA (BPs)	CY 2024 Target	NRA (BPs)	PRA (BPs)	Beyond 2024 Target
Leak Backlog or Management ¹⁻²	Total: Type 1, 2A, 2, and 3	Leaks	5	-	> 50	5	-	> 50	5	-	> 50	5	-	> 50
	Repairable: Type 1, 2A, and 2	Leaks	10	-	> 20	10	-	> 20	10	-	> 20	10	-	> 20
	Total: Type 1, 2A, 2, and 3	Leaks	-	2	11 to 20	-	2	9 to 15	-	2	9 to 15	-	2	9 to 15
	Total: Type 1, 2A, 2, and 3	Leaks	-	4	4 to 10	-	4	4 to 8	-	4	4 to 8	-	4	4 to 8
	Total: Type 1, 2A, 2, and 3	Leaks	-	6	0 to 3	-	6	0 to 3	-	6	0 to 3	-	6	0 to 3
(1) O&R will be recognized as having met the leak backlog targets if they are achieved between December 21, and December 31. (2) Only "successful elimination" of a leak will be considered a valid leak repair and rechecks are required for Type 3 leaks.														
Leak Prone Pipe (LPP) ³⁻⁴⁻⁵	Removal Target ³	Miles	15	-	< 20	15	-	< 20	7.5	-	< 20 ⁵	15	-	< 20
	Removal Target ³	Miles	-	2	24 to 25	-	2	24 to 25	-	2	24 to 25	-	2	24 to 25
	Removal Target ³	Miles	-	4	25 to 26	-	4	25 to 26	-	4	25 to 26	-	4	25 to 26
	Removal Target ³	Miles	-	6	26 to 27	-	6	26 to 27	-	6	26 to 27	-	6	26 to 27
	Removal Target ³	Miles	-	8	27 to 28	-	8	27 to 28	-	8	27 to 28	-	8	27 to 28
	Removal Target ³	Miles	-	10	≥ 28	-	10	≥ 28	-	10	≥ 28	-	10	≥ 28
	(3) All leak prone services are to be removed in conjunction with this LPP program. LPP removals resulting from non-pipeline alternative projects may be included in the calendar year total mileage. (4) Annual reporting on the progress of LPP removal is to be submitted by O&R. Inspections should be commensurate with that of the level of leak prone pipe removal. Bare steel, and aldy-l plastic will be considered for this measure. Ineffectively coated steel allowed if in top 5% riskiest for that year. O&R may request for inclusion of other ineffectively coated steel (e.g. high leakage rates). Staff to respond whether it consents or does not consent with the request. (5) 3-year cumulative target of 66-miles. If not met, an NRA of 7.5 BPs would be applied.													
Emergency Response ⁶	Respond within 30 minutes	%	12	-	75	12	-	75	12	-	75	12	-	75
	Respond within 45 minutes	%	8	-	90	8	-	90	8	-	90	8	-	90
	Respond within 60 minutes	%	5	-	95	5	-	95	5	-	95	5	-	95
	Respond within 30 minutes	%	-	2	91 to 93	-	2	91 to 93	-	2	91 to 93	-	2	91 to 93
	Respond within 30 minutes	%	-	4	93 to 95	-	4	93 to 95	-	4	93 to 95	-	4	93 to 95
	Respond within 30 minutes	%	-	6	≥ 95	-	6	≥ 95	-	6	≥ 95	-	6	≥ 95
(6) Any reports resulting from mass area complaints, major weather-related occurrences, or major equipment failure may be excluded from these counts pending prior Staff approval. Exclusions are considered on a case-by-case basis, must be made via email or in writing, and shall be requested within seven days of such an occurrence. Staff will respond whether it consents or does not consent to the exclusion request. O&R may proceed with the exclusion request if it has not received a response from Staff within 90 days.														
Violations or Non-Compliances ⁷	Record Audits: High Risk	Per	1	-	> 20	1	-	> 20	1	-	> 20	1	-	> 20
	Record Audits: High Risk	Per	1/2	-	6 to 20	0.5	-	6 to 20	0.5	-	6 to 20	0.5	-	6 to 20
	Record Audits: High Risk	Per	-	-	0 to 5	-	-	0 to 5	-	-	0 to 5	-	-	0 to 5
	Record Audits: Other Risk	Per	1/4	-	> 15	0.25	-	> 15	0.25	-	> 15	0.25	-	> 15
	Record Audits: Other Risk	Per	-	-	0 to 15	-	-	0 to 15	-	-	0 to 15	-	-	0 to 15
	Field Audits: High Risk	Per	1	-	> 20	1	-	> 20	1	-	> 20	1	-	> 20
	Field Audits: High Risk	Per	1/2	-	1 to 20	0.5	-	1 to 20	0.5	-	1 to 20	0.5	-	1 to 20
(7) Caps of 10 for record and field audit violations of a single regulation annually. Remediation plans to be filed and adhered to for instances where there are 10 or more violations for a single regulation. If plans not adhered to, NRAs are applied.														
Damage Prevention (per 1,000 one-call tickets) ⁸	Total: No Calls, Excavator Error, Company and Company Contractor Error, and Mismarks	Rate	20	-	> 2.50	20	-	> 2.50	20	-	> 2.50	20	-	> 2.50
		Rate	10	-	> 2.25 to ≤ 2.50	10	-	> 2.25 to ≤ 2.50	10	-	> 2.25 to ≤ 2.50	10	-	> 2.25 to ≤ 2.50
		Rate	5	-	> 2.00 to ≤ 2.25	5	-	> 2.00 to ≤ 2.25	5	-	> 2.00 to ≤ 2.25	5	-	> 2.00 to ≤ 2.25
		Rate	-	-	> 1.50 to ≤ 2.00	-	-	> 1.50 to ≤ 2.00	-	-	> 1.50 to ≤ 2.00	-	-	> 1.50 to ≤ 2.00
		Rate	-	5	> 1.25 to ≤ 1.50	-	5	> 1.25 to ≤ 1.50	-	5	> 1.25 to ≤ 1.50	-	5	> 1.25 to ≤ 1.50
		Rate	-	10	≤ 1.25	-	10	≤ 1.25	-	10	≤ 1.25	-	10	≤ 1.25
(8) Reporting of damage data shall be in compliance with December 11, 2015, guidance. Hand damages where notification has been provided will be included in this measure.														
Total Exposure		150	32		150	32		150	32		150	32		

TABLE 1

Appendix 14

Title	Chapter	Subchapter	Part	Section	Subdivision	Description	Risk
16	III	C	255	14	(a)	Conversion to Service Subject to this Part	High
16	III	C	255	14	(b)	Conversion to Service Subject to this Part	Other
16	III	C	255	17	All	Preservation of Records	Other
16	III	C	255	53	All	Materials - General	High
16	III	C	255	65	All	Materials - Transportation of Pipe	High
16	III	C	255	103	All	Pipe Design - General	High
16	III	C	255	143	All	Design of Pipeline Components - General Requirements	High
16	III	C	255	159	All	Design of Pipeline Components - Flexibility	High
16	III	C	255	161	All	Design of Pipeline Components - Supports and Anchors	High
16	III	C	255	163	All	Compressor Stations - Design and Construction	Other
16	III	C	255	165	All	Compressor Stations - Liquid Removal	Other
16	III	C	255	167	All	Compressor Stations - Emergency Shutdown	High
16	III	C	255	169	All	Compressor Stations - Pressure Limiting Devices	High
16	III	C	255	171	All	Compressor Stations - Additional Safety Equipment	Other
16	III	C	255	173	All	Compressor Stations - Ventilation	High
16	III	C	255	179	All	Valves on Pipelines to Operate at 125 PSIG (862 kPa) or More	High
16	III	C	255	181	All	Distribution Line Valves	High
16	III	C	255	183	All	Vaults - Structural Design Requirements	High
16	III	C	255	185	All	Vaults - Accessibility	Other
16	III	C	255	187	All	Vaults - Sealing, Venting, and Ventilation	Other
16	III	C	255	189	All	Vaults - Drainage and Waterproofing	High
16	III	C	255	190	All	Calorimeter or Calorimixer Structures	Other
16	III	C	255	191	All	Design Pressure of Plastic Fittings	Other
16	III	C	255	193	All	Valve Installation in Plastic Pipe	Other
16	III	C	255	195	All	Protection Against Accidental Overpressuring	High
16	III	C	255	197	All	Control of the Pressure of Gas Delivered from High Pressure Distribution Systems	High
16	III	C	255	199	All	Requirements for Design of Pressure Relief and Limiting Devices	High
16	III	C	255	201	All	Required Capacity of Pressure Relieving and Limiting Stations	High
16	III	C	255	203	All	Instrument, Control, and Sampling Piping and Components	Other
16	III	C	255	225	All	Qualification of Welding Procedures	High
16	III	C	255	227	All	Qualification of Welders	High
16	III	C	255	229	All	Limitations On Welders	Other
16	III	C	255	230	All	Quality Assurance Program	Other
16	III	C	255	231	All	Welding - Protection from Weather	High
16	III	C	255	233	All	Welding - Miter Joints	High
16	III	C	255	235	All	Preparation for Welding	High
16	III	C	255	237	All	Welding - Preheating	Other
16	III	C	255	239	All	Welding - Stress Relieving	Other
16	III	C	255	241	(a),(b)	Inspection and Test of Welds	High
16	III	C	255	241	(c)	Inspection and Test of Welds	Other
16	III	C	255	243	(a),(b),(c),(d),(e)	Nondestructive Testing - Pipeline to Operate at 125 PSIG (862 kPa) or More	High
16	III	C	255	243	(f)	Nondestructive Testing - Pipeline to Operate at 125 PSIG (862 kPa) or More	Other
16	III	C	255	244	All	Welding Inspector	High
16	III	C	255	245	All	Welding - Repair or Removal of Defects	High
16	III	C	255	273	All	Joining of Materials other than by Welding - General	High
16	III	C	255	279	All	Joining of Materials other than by Welding - Copper Pipe	High
16	III	C	255	281	All	Joining of Materials other than by Welding - Plastic Pipe	High
16	III	C	255	283	All	Plastic Pipe - Qualifying Joining Procedures	Other
16	III	C	255	285	(a),(b),(d)	Plastic Pipe - Qualifying Persons to make Joints	High
16	III	C	255	285	(c),(e)	Plastic Pipe - Qualifying Persons to make Joints	Other
16	III	C	255	287	All	Plastic Pipe - Inspection of Joints	Other
16	III	C	255	302	All	Notification Requirements	High
16	III	C	255	303	All	Compliance with Construction Standards	High
16	III	C	255	305	All	Inspection - General	High
16	III	C	255	307	All	Inspection of Materials	High
16	III	C	255	309	All	Repair of Steel Pipe	High
16	III	C	255	311	All	Repair of Plastic Pipe	High
16	III	C	255	313	(a),(b),(c)	Bends and Elbows	High
16	III	C	255	313	(d)	Bends and Elbows	Other
16	III	C	255	315	All	Wrinkle Bends in Steel Pipe	High
16	III	C	255	317	All	Protection from Hazards	Other
16	III	C	255	319	All	Installation of Pipe in a Ditch	Other
16	III	C	255	321	All	Installation of Plastic Pipe	High
16	III	C	255	323	All	Casing	Other
16	III	C	255	325	All	Underground Clearance	High
16	III	C	255	327	All	Cover	Other
16	III	C	255	353	All	Customer Meters and Regulators - Location	Other
16	III	C	255	355	All	Customer Meters and Regulators - Protection from Damage	Other
16	III	C	255	357	(a),(b),(c)	Customer Meters and Service Regulators - Installation	Other
16	III	C	255	357	(d)	Customer Meters and Service Regulators - Installation	High
16	III	C	255	359	All	Customer Meter Installations - Operating Pressure	Other
16	III	C	255	361	(a),(b),(c),(d)	Service Lines - Installation	Other
16	III	C	255	361	(e),(f),(g),(h),(i)	Service Lines - Installation	High
16	III	C	255	363	All	Service Lines - Valve Requirements	Other
16	III	C	255	365	(a),(c)	Service Lines - Location of Valves	Other
16	III	C	255	365	(b)	Service Lines - Location of Valves	High
16	III	C	255	367	All	Service Lines - General Requirements for Connections	Other
16	III	C	255	369	All	Service Lines - Connections to Cast Iron or Ductile Iron Mains	Other
16	III	C	255	371	All	Service Lines - Steel	Other
16	III	C	255	373	All	Service Lines - Cast Iron and Ductile Iron	Other
16	III	C	255	375	All	Service Lines - Plastic	Other
16	III	C	255	377	All	Service Lines - Copper	Other
16	III	C	255	379	All	New Service Lines not in Use	Other
16	III	C	255	381	All	Service Lines - Excess Flow Valve Performance Standards	Other
16	III	C	255	455	(a)	External Corrosion Control - Buried or Submerged Pipelines Installed after July 31, 1971	Other
16	III	C	255	455	(d),(e)	External Corrosion Control - Buried or Submerged Pipelines Installed after July 31, 1971	High
16	III	C	255	457	All	External Corrosion Control - Buried or Submerged Pipelines Installed before July 31, 1971	High
16	III	C	255	459	All	External Corrosion Control - Examination of Buried Pipeline when Exposed	Other
16	III	C	255	461	(a),(b),(d),(e),(f),(g)	External Corrosion Control - Protective Coating	Other
16	III	C	255	461	(c)	External Corrosion Control - Protective Coating	High
16	III	C	255	463	All	External Corrosion Control - Cathodic Protection	High
16	III	C	255	465	(a),(e)	External Corrosion Control - Monitoring	High
16	III	C	255	465	(b),(c),(d),(f)	External Corrosion Control - Monitoring	Other
16	III	C	255	467	All	External Corrosion Control - Electrical Isolation	Other
16	III	C	255	469	All	External Corrosion Control - Test Stations	Other
16	III	C	255	471	All	External Corrosion Control - Test Leads	Other
16	III	C	255	473	All	External Corrosion Control - Interference Currents	Other
16	III	C	255	475	All	Internal Corrosion Control - General	Other
16	III	C	255	476	(a),(c)	Internal Corrosion Control - Design and Construction of Transmission Line	High

Appendix 14

16	III	C	255	476	(d)	Internal Corrosion Control - Design and Construction of Transmission Line	Other
16	III	C	255	479	All	Atmospheric Corrosion Control - General	Other
16	III	C	255	481	All	Atmospheric Corrosion Control - Monitoring	Other
16	III	C	255	483	All	Remedial Measures - General	High
16	III	C	255	485	(a),(b)	Remedial Measures - Transmission Lines	High
16	III	C	255	485	(c)	Remedial Measures - Transmission Lines	Other
16	III	C	255	487	All	Remedial Measures - Distribution Lines other than Cast Iron or Ductile Iron Lines	Other
16	III	C	255	489	All	Remedial Measures - Cast Iron and Ductile Iron Pipelines	Other
16	III	C	255	490	All	Direct Assessment	Other
16	III	C	255	491	All	Corrosion Control Records	Other
16	III	C	255	503	All	Test Requirements - General	Other
16	III	C	255	505	(a),(b),(c),(d)	Strength Test Requirements for Steel Pipelines to Operate at 125 PSIG (862 kPa) or More	High
16	III	C	255	505	(e),(h),(i)	Strength Test Requirements for Steel Pipelines to Operate at 125 PSIG (862 kPa) or More	Other
16	III	C	255	507	All	Test Requirements for Pipelines to Operate at less than 125 PSIG (862 kPa)	Other
16	III	C	255	511	All	Test Requirements for Service Lines	Other
16	III	C	255	515	All	Environmental Protection and Safety Requirements	Other
16	III	C	255	517	All	Test Requirements - Records	Other
16	III	C	255	552	All	Upgrading / Conversion - Notification Requirements	Other
16	III	C	255	553	(a),(b),(c),(f)	Upgrading / Conversion - General Requirements	High
16	III	C	255	553	(d),(e)	Upgrading / Conversion - General Requirements	Other
16	III	C	255	555	All	Upgrading to a Pressure of 125 PSIG (862 kPa) or More in Steel Pipelines	High
16	III	C	255	557	All	Upgrading to a Pressure Less than 125 PSIG (862 kPa)	High
16	III	C	255	603	All	Operations - General Provisions	High
16	III	C	255	604	All	Operator Qualification	High
16	III	C	255	605	All	Essentials of Operating and Maintenance Plan	High
16	III	C	255	609	All	Change in Class Location - Required Study	High
16	III	C	255	611	(a),(d)	Change in Class Location - Confirmation or Revision of Maximum Allowable Operating Pressure	Other
16	III	C	255	613	All	Continuing Surveillance	Other
16	III	C	255	614	All	Damage Prevention Program	High
16	III	C	255	615	All	Emergency Plans	High
16	III	C	255	616	All	Customer Education and Information Program	High
16	III	C	255	619	All	Maximum Allowable Operating Pressure - Steel or Plastic Pipelines	High
16	III	C	255	621	All	Maximum Allowable Operating Pressure - High Pressure Distribution Systems	High
16	III	C	255	623	All	Maximum and Minimum Allowable Operating Pressure - Low Pressure Distribution Systems	High
16	III	C	255	625	(a),(b)	Odorization of Gas	High
16	III	C	255	625	(e),(f)	Odorization of Gas	Other
16	III	C	255	627	All	Tapping Pipelines Under Pressure	High
16	III	C	255	629	All	Purging of Pipelines	High
16	III	C	255	631	All	Control Room Management	High
16	III	C	255	705	All	Transmission Lines - Patrolling	High
16	III	C	255	706	All	Transmission Lines - Leakage Surveys	High
16	III	C	255	707	(a),(c),(d),(e)	Line Markers for Mains and Transmission Lines	Other
16	III	C	255	709	All	Transmission Lines - Record Keeping	Other
16	III	C	255	711	All	Transmission Lines - General Requirements for Repair Procedures	High
16	III	C	255	713	All	Transmission Lines - Permanent Field Repair of Imperfections and Damages	High
16	III	C	255	715	All	Transmission Lines - Permanent Field Repair of Welds	High
16	III	C	255	717	All	Transmission Lines - Permanent Field Repairs of Leaks	High
16	III	C	255	719	All	Transmission Lines - Testing of Repairs	High
16	III	C	255	721	(b)	Distribution Systems - Patrolling	Other
16	III	C	255	723	All	Distribution Systems -Leakage Surveys and Procedures	High
16	III	C	255	725	All	Test Requirements for Reinstating Service Lines	Other
16	III	C	255	726	All	Inactive Service Lines	Other
16	III	C	255	727	(b),(c),(d),(e),(f),(g)	Abandonment or Inactivation of Facilities	Other
16	III	C	255	729	All	Compressor Stations - Procedures for Gas Compressor Units	High
16	III	C	255	731	All	Compressor Stations - Inspection and Testing of Relief Devices	High
16	III	C	255	732	All	Compressor Stations - Additional Inspections	High
16	III	C	255	735	All	Compressor Stations - Storage of Combustible Materials	Other
16	III	C	255	736	All	Compressor Stations - Gas Detection	High
16	III	C	255	739	(a),(b)	Pressure Limiting and Regulating Stations - Inspection and Testing	High
16	III	C	255	739	(c),(d),(e),(f)	Pressure Limiting and Regulating Stations - Inspection and Testing	Other
16	III	C	255	741	All	Pressure Limiting and Regulating Stations - Telemetering or Recording Gauges	Other
16	III	C	255	743	(a),(b)	Pressure and Limiting and Regulating Stations - Testing of Relief Devices	High
16	III	C	255	743	(c)	Regulator Station MAOP	Other
16	III	C	255	744	All	Service Regulators and Vents - Inspection	Other
16	III	C	255	745	All	Transmission Line Valves	High
16	III	C	255	747	All	Valve Maintenance - Distribution Systems	Other
16	III	C	255	748	All	Valve Maintenance - Service Line Valves	Other
16	III	C	255	749	All	Vault Maintenance	Other
16	III	C	255	751	All	Prevention of Accidental Ignition	High
16	III	C	255	753	All	Caulked Bell and Spigot Joints	Other
16	III	C	255	755	All	Protecting Cast Iron Pipelines	High
16	III	C	255	756	All	Replacement of Exposed or Undermined Cast Iron Piping	High
16	III	C	255	757	All	Replacement of Cast Iron Mains Paralleling Excavations	High
16	III	C	255	801	All	Reports of accidents	Other
16	III	C	255	803	All	Emergency Lists of Operator Personnel	Other
16	III	C	255	805	(a),(b),(e),(g),(h)	Leaks - General	Other
16	III	C	255	807	(a),(b),(c)	Leaks - Records	Other
16	III	C	255	807	(d)	Leaks - Records	High
16	III	C	255	809	All	Leaks - Instrument Sensitivity Verification	High
16	III	C	255	811	(b),(c),(d),(e)	Leaks - Type 1 Classification	High
16	III	C	255	813	(b),(c),(d)	Leaks - Type 2A Classification	High
16	III	C	255	815	(b),(c),(d)	Leaks - Type 2 Classification	High
16	III	C	255	817	All	Leaks - Type 3 Classification	Other
16	III	C	255	819	(a)	Leaks - Follow-Up Inspection	High
16	III	C	255	821	All	Leaks - Nonreportable Reading	High
16	III	C	255	823	(a),(b)	Interruptions of Service	Other
16	III	C	255	825	All	Logging and Analysis of Gas Emergency Reports	Other
16	III	C	255	829	All	Annual Report	Other
16	III	C	255	831	All	Reporting Safety-Related Conditions	Other
16	III	C	255	905	All	High Consequence Areas	High
16	III	C	255	907	All	General (IMP)	Other
16	III	C	255	909	All	Changes to an Integrity Management Program (IMP)	Other
16	III	C	255	911	All	Required Elements (IMP)	High

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16	III	C	255	915	All	Knowledge and Training (IMP)	High
16	III	C	255	917	All	Identification of Potential Threats to Pipeline Integrity and Use of the Threat Identification in an Integrity Program (IMP)	High
16	III	C	255	919	All	Baseline Assessment Plan (IMP)	High
16	III	C	255	921	All	Conducting a Baseline Assessment (IMP)	High
16	III	C	255	923	All	Direct Assessment (IMP)	High

Orange and Rockland Utilities, Inc.
Cases 21-G-0073 & 21-E-0074

Customer Service Performance Indicators

The Customer Service Performance Indicators” (“CSPI”) described herein will be in effect for the terms of the Rate Plans and thereafter unless and until changed by the Commission.

a) Audited Historic Performance: For the period 2018 through 2020.

In the Company’s 2018 annual customer service filing, it reported one Negative Revenue Adjustment (“NRA”): \$450,000 for failure to meet the Calls Answer Rate metric target. The \$450,000 NRA is credited to customer through the Energy Cost Adjustment/Monthly Gas Adjustment commencing June 1, 2021. Staff conducted an audit of the Companies’ 2018, 2019, and 2020 data provided in the Company’s reports and confirmed that the Company did not incur any customer service NRA for 2019 and 2020.¹

b) Operation of Mechanism

The CSPI establishes threshold performance levels for designated aspects of customer service. For all measures the threshold performance levels are detailed on page 4 of this Appendix 15. Failure by the Company to achieve these specified targets will result in a revenue adjustment of up to 23 Basis Points (“BP”) for Electric and 16 BP for Gas in Rate Year 1, 24 BP for Electric and 16 BP for Gas in Rate Year 2, and 27 BP for Electric and 18 BP for Gas in Rate Year 3, respectively.² The CSPI will be measured on a calendar year basis. Accordingly, the results of the performance measurements, as measured during calendar years 2022, 2023 and 2024, respectively, will be applied to Rate Years 1, 2 and 3, respectively.

¹ Staff also audited the Company’s monthly Customer Service Performance Indicators reports which were required to be filed based on Case 15-M-0566, In the Matter of Revisions to Customer Service Performance Indicators Applicable to Gas and Electric Corporations, Order Adopting Revisions to Customer Service Reporting Metrics (issued August 4, 2017).

² The BP negative rate adjustment associated with each measure is stated on a pre-tax basis. The revenue requirement equivalents of ten BP on common equity capital per the gas revenue requirements under this Proposal are estimated to be approximately \$377,400 in RY1, \$404,750 in RY2 and \$432,750 in RY3. The revenue requirement equivalents of ten BP on common equity capital per the electric revenue requirements under this Proposal are estimated to be approximately \$679,160 in RY1, \$694,210 in RY2 and \$761,010 in RY3.

c) Exclusions

For measurement purposes, results from months having abnormal operating conditions will not be considered. Abnormal operating conditions are deemed to occur during any period of emergency, catastrophe, strike, natural disaster, major storm, or other unusual event not in the Company's control affecting more than ten percent of the customers in an operating area during any month. A "major storm" will have the same definition as set forth in 16 NYCRR Part 97.

d) Reporting

The Company will prepare an annual report on its performance that will be filed with the Secretary by March 1 following each Rate Year (*e.g.*, the annual report for 2022 shall be due by March 1, 2023). Each report will state: (1) the Company's actual performance for the calendar year on each measure; (2) whether a revenue adjustment is applicable and, if so, the amount of the revenue adjustment; and (3) whether any exclusions should apply, the basis for requesting each exclusion, and adequate support for all requested exclusions.

e) Threshold Standards

The Company's threshold performance will be measured based on the Company's cumulative monthly performance for each Rate Year for the following three activities, except as otherwise noted.

i. PSC Complaint Rate

The annual PSC Complaint Rate will be calculated in the manner approved by the Commission in its Order Approving Complaint Rate Targets issued August 26, 2005.³ In calculating the annual PSC Complaint Rate, (i) duplicative rate consultant complaints, (ii) high commodity prices complaints, and (iii) complaints relating to natural disasters, major storms, or other unusual events not in the Company's control, will be excluded. During the Rate Plans, the PSC Complaint Rate not to exceed targets and associated revenue adjustment levels are set forth in Table 1, below.

ii. Residential Customer Satisfaction Survey

³ Case 02-G-1553, *Proceeding on Motion of the Commission as to the Rates, Charges, Rules, and Regulations of Orange and Rockland Utilities, Inc. for Gas Service*, and Case 03-E-0797, *In the Matter of Orange and Rockland Utilities, Inc.'s Proposal for an Extension of an Existing Rate Plan*, filed in Case 96-E-0900, Order Approving Complaint Rate Target (issued August 26, 2005).

The Company contracts with a third-party vendor to conduct a monthly Residential Customer Satisfaction Survey. The vendor surveys customers utilizing a 10-point scale to rank customer satisfaction with Company performance based upon a series of questions and one overall customer satisfaction index question:

“Using a scale from 1 to 10 where 1 means you were very dissatisfied and 10 means you were very satisfied, how satisfied were you the way the Orange and Rockland’s Customer Service Representative handled your recent issue/request?”

The Company reports the percentage of customers surveyed that responded with a score of 7 – 10 to the overall customer satisfaction index question.

iii. Percent of Calls Answered by a Representative within 30 Seconds

“Percent of Calls Answered by a Representative within 30 Seconds” is the percentage of calls answered by a Company representative within 30 seconds of the customer’s request to speak to a representative between the hours of 8:00 AM and 4:30 PM Monday through Friday (excluding holidays). The performance rate is the sum of the system-wide number of calls answered by a representative within 30 seconds divided by the sum of the system-wide number of calls where a customer requests to speak with a representative.

Any negative revenue adjustment earned will be allocated between the Company’s electric and gas businesses based on the common cost allocation factor.

**Table 1 - Customer Service Performance
Indicators Mechanism Targets**

	CSPI Performance			Electric	Gas	Electric	Gas	Electric	Gas
Indices	RY1	RY2	RY3	RY1 (NRA) BPs	RY1 (NRA) BPs	RY2 (NRA) BPs	RY2 (NRA) BPs	RY3 (NRA) BPs	RY3 (NRA) BPs
Call Answer Rate									
Target	>60.3	>60.3	>60.3	None	None	None	None	None	None
Minimum	≤60.3	≤60.3	≤60.3	(2)	(2)	(2)	(2)	(3)	(2)
Middle	≤58.0	≤58.0	≤58.0	(3)	(3)	(4)	(3)	(6)	(4)
Max	≤55.7	≤55.7	≤55.7	(5)	(4)	(6)	(4)	(9)	(6)
PSC Complaint Rate									
Target	≤1.0	≤1.0	≤1.0	None	None	None	None	None	None
Minimum	>1.0	>1.0	>1.0	(3)	(2)	(3)	(2)	(3)	(2)
Middle	≥1.1	≥1.1	≥1.1	(6)	(4)	(6)	(4)	(6)	(4)
Max	≥1.2	≥1.2	≥1.2	(9)	(6)	(9)	(6)	(9)	(6)
Transactional Survey									
Target	>92.6	>92.6	>92.6	None	None	None	None	None	None
Minimum	≤92.6	≤92.6	≤92.6	(3)	(2)	(3)	(2)	(3)	(2)
Middle	≤91.8	≤91.8	≤91.8	(6)	(4)	(6)	(4)	(6)	(4)
Max	≤91.0	≤91.0	≤91.0	(9)	(6)	(9)	(6)	(9)	(6)
Total				(23)	(16)	(24)	(16)	(27)	(18)

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Orange and Rockland
Cases 21-E-0074 and 21-G-0073
Earnings Adjustment Mechanisms

Orange and Rockland (“O&R” or the “Company”) will implement electric and gas Earnings Adjustment Mechanisms (“EAM”) as of January 1, 2022 for the term of this Joint Proposal including Rate Year (“RY”)1, RY2, and RY3. Achievement of EAMs will be measured and reported annually. The Company will earn pre-tax earnings adjustments based on its performance relative to established performance targets. For EAM metrics with minimum, midpoint and maximum performance targets, the Company will earn pre-tax earnings adjustments on a prorated basis for performance between minimum and midpoint performance levels, as well as for performance between the midpoint and maximum performance levels.

These EAMs will be in effect during the term of the Rate Plan unless modified by the Commission in a generic proceeding. In the event that NENY budgets and/or targets are modified by the Commission for any year in this Rate Plan, any EAM targets linked to NENY budgets and/or targets will be updated as directed by the Commission.

Tables 1 and 2 (below) list the award opportunities, respectively, for each electric, gas and cross-commodity EAM metric.

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Table 1: Electric EAM Incentives (Basis Points)

Metric	Level	2022	2023	2024
System Efficiency EAM				
Electric Peak Reduction	Minimum	\$135,832	\$138,842	\$152,202
	Mid-Point	\$271,664	\$277,684	\$304,404
	Maximum	\$543,328	\$555,368	\$608,808
Circuit Load Factor Reduction	Minimum	\$67,916	\$69,421	\$76,101
	Mid-Point	\$237,706	\$242,974	\$266,354
	Maximum	\$339,580	\$347,105	\$380,505
DER Utilization (Solar PV)	Minimum	\$67,916	\$69,421	\$76,101
	Mid-Point	\$169,790	\$173,553	\$190,253
	Maximum	\$339,580	\$347,105	\$380,505
DER Utilization (Energy Storage)	Minimum			\$228,303
	Mid-Point			\$570,758
	Maximum			\$1,141,515
Environmentally Beneficial Electrification (EBE) EAM				
Electric Vehicles (EVs)	Minimum	\$169,790	\$173,553	\$190,253
	Mid-Point	\$339,580	\$347,105	\$380,505
	Maximum	\$679,160	\$694,210	\$761,010
Heat Pump Carbon Reduction Count Up	Minimum	\$67,916	\$69,421	\$76,101
	Mid-Point	\$135,832	\$138,842	\$152,202
	Maximum	\$339,580	\$347,105	\$380,505
EVSE DC Fast Charger Installations / EVSE Level 2 Charger Installations – Share the Savings	Determined formulaically (capped at 15 BP for RY1)			
	Maximum	\$1,018,740		
Energy Efficiency (EE) EAM				
EE Share-the-Savings – Electric	Determined formulaically – 30% of Savings			

Electric basis point values are \$67,916, \$69,421, \$76,101 in RY1, RY2, RY3

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Orange and Rockland
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Table 2: Gas EAM Incentives (Basis Points)

Metric	Level	2022	2023	2024
Gas EAMs				
Gas Peak Reduction	Minimum	\$37,740	\$40,475	\$43,275
	Mid-Point	\$113,220	\$121,425	\$129,825
	Maximum	\$188,700	\$202,375	\$216,375
Energy Efficiency (EE) EAM				
EE Share-the-Savings – Gas	Determined formulaically – 30% of Savings			

Gas basis point values are \$37,740, \$40,475, \$43,275 in RY1, RY2, RY3

Table 3: Cross-Commodity EAM Incentives (Basis Points)

LMI Savings – Gas and Electric¹	Minimum			\$119,376
	Mid-Point			\$298,440
	Maximum			\$596,880

In no event shall the annual monetary award earned from total metrics exceed the value of 100 basis points per gas or electric system.

The EAMs, targets, incentives (earnings adjustments) and measurements are described in the sections that follow.

1.0 Electric EAMs

1.1 Electric System Efficiency EAM

The Electric System Efficiency EAM consists of four metrics: Electric Peak Reduction, Distributed Energy Resources (“DER”) Energy Storage Utilization, DER Solar

¹ This is a cross-commodity EAM where the Basis Points are allocated 50/50 between each commodity (i.e., at the maximum 5 BP allocated to gas and 5 BP allocated to electric).

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Photovoltaic (“PV”) Utilization, and Circuit Load Factor.

1.1.1 Electric Peak Reduction Metric

The Electric Peak Reduction metric is an outcome-based metric that incentivizes the Company to reduce peak load in its service territory. To the extent the actual weather-normalized peak load for the Company’s service territory is below the minimum target established for the EAM metric, the Company will receive an incentive.

The metric will be based on a reduction in the weather-normalized New York Control Area (“NYCA”) coincident peak load for the Company’s service territory each Rate Year measured in Megawatts (“MW”) as published annually in December by the NYISO through their Business Issues Committee, Load Forecasting Task Force.

Performance targets will be established each year based on the following:

- Baseline for each year will be the adjusted NYCA Coincident Peak Load Forecast for the NYISO portion of the Company’s service territory prior to allocation of Zone G losses as published annually in December in the table “Coincident Peak Forecast for LCR Study, Including BTM:NG Resources” by the NYISO through their Business Issues Committee, Load Forecasting Task Force.
- Adjusted Baseline for each year will be the Baseline less 0.50 percent improvement adjustment.

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- Minimum, mid-point, and maximum performance targets for each year will be set, respectively, at the Adjusted Baseline less 0.25, 1.00, and 1.75 times the Standard Error of the regression (“SE”).
- The SE will be derived from a regression analysis of the most recent 5-years of Weather-Normalized Peak Load, as derived by the NYISO². For example, Year 1 (Summer 2022) will use the 5-years of Weather Normalized Peak Load from 2017 through 2021. Year 2 (Summer 2023) will use the 5-years from 2018 through 2022.
- The following is a summary of how the targets will be set each Rate Year:

Electric Peak Reduction Targets (MW)	2022	2023	2024
Baseline	Adjusted NYCA Coincident Peak Load Forecast for the NYISO portion of the Company’s service territory ³		
Adjusted Baseline	Baseline + (-0.5%)		
Minimum	Adjusted Baseline – (0.25 x SE of Regression)		
Mid-Point	Adjusted Baseline – (1.00 x SE of Regression)		
Maximum	Adjusted Baseline – (1.75 x SE of Regression)		

Achievement will be determined by the improvement in O&R’s Weather Normalized Peak² in each year against the targets calculated as described above.

² Weather-normalized NYCA coincident peak load for the Company’s service territory prior to allocation of Zone G losses for the Current Rate Year as published annually in December in the table “Load Reconciliation”, Column Name “Adj. Load Prior to Loss Adjustment” by the NYISO through their Business Issues Committee, Load Forecasting Task Force (as presented in December 2020 or its comparable category in subsequent years).

³ Adjusted NYCA Coincident Peak Load Forecast for the NYISO portion of the Company’s service territory prior to allocation of Zone G losses as published annually in December in the table “Coincident Peak Forecast for LCR Study, Including BTM:NG Resources” by the NYISO through their Business Issues Committee, Load Forecasting Task Force.

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1.1.2 DER Solar PV Utilization Metric

The DER Solar PV Utilization metric is an outcome-based metric that incentivizes O&R to work with third parties to expand the use of solar PV in the Company's service territory. This metric will measure the sum of the calculated incremental annualized megawatt hours ("MWh") production in each Rate Year from residential and commercial solar photovoltaic ("PV") installations and Community Distributed Generation ("CDG") installations in O&R's service territory in the measured Rate Year. Solar PV installations will be quantified using reporting from the Company's interconnection application portal, Power Clerk.

The DER Solar PV Utilization metric will be calculated as follows:

$$\begin{aligned} \text{DER Utilization - Solar (MWh)} = & \\ & \text{Residential solar PV MWh annualized production} + \\ & \text{Commercial solar PV MWh annualized production} + \\ & \text{CDG Solar MWh annualized production} \end{aligned}$$

Annualized MWh production for Residential, Commercial and CDG Solar will be calculated as follows:

$$\text{Solar PV MWh} = \text{MW Installed} \times 8760 \text{ hours} \times 13.4\% \text{ Annual Capacity Factor}^4$$

DER Solar PV Utilization Targets (MWh)	2022	2023	2024
Minimum	37,928	41,591	45,307
Mid-Point	40,530	44,193	47,909
Maximum	43,132	46,795	50,511

⁴ NYSERDA NY-Sun Initiative Program Manual, p. 10, March 2017.

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1.1.3 DER Energy Storage Utilization Metric

The DER Energy Storage Utilization metric is an outcome-based metric that incentivizes O&R to work with third parties to expand the use of electric energy storage resources in the Company's service territory. This metric will measure the Rate Year three (RY3) sum of calculated annualized megawatt hours ("MWh") discharged from incremental electric battery storage unit installations in O&R's service territory in RY1, RY2 and RY3. The incremental battery storage units installed each year will be quantified using reporting from the Company's interconnection application portal, Power Clerk.

The DER Energy Storage Utilization metric will be calculated as follows:

$$DER\ Utilization - Storage\ (MWh) = Battery\ storage\ MWh\ annualized\ discharge$$

Annualized discharge for Battery Storage will be calculated as follows:

$$Battery\ Storage\ Utilization\ MWh = \text{Sum of Daily battery inverter discharge ratings (MWh) for Battery Storage Units installed in RY1, RY2, and RY3} \times [365\ \text{days}]^5$$

DER Battery Storage Utilization Targets (MWh)	2022-2024
Minimum	86,505
Mid-Point	98,863
Maximum	123,579

1.1.4 Circuit Load Factor

The Circuit Load Factor metric (formerly known as the Storage Roadmap metric) is an outcome-based metric which was designed to improve operations and reliability of

⁵ DOE/EPRI Electricity Storage Handbook Appendix B, Page B-12.

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electric service on certain specified circuits. The metric will measure the year-over-year improvement of the ratio of the Warwick and Blooming Grove circuits' load factors to the overall system load factor. The data required for this calculation will be gathered from circuit amps, bank volts, and power factor readings.

The metric is based on the percentage change in the current year Circuit to System Load Factor ratio (LF Ratio) compared to the prior year calculated as follows:

$$LF Ratio \% = \frac{LF Ratio (RY_x) - LF Ratio (RY_{x-1})}{LF Ratio (RY_{x-1})}$$

The LF Ratio for each year is the ratio between Circuits Load Factor (CLF) and System Load Factor (SLF) and is calculated as follows:

$$Load Factor Ratio (RY_x) = \frac{Circuits Load Factor (RY_x)}{System Load Factor (RY_x)}$$

Circuits Load Factor (CLF) will be calculated for the Blooming Grove and Warwick Circuits over the June 1 to July 31 period (*i.e.*, 1,464 hours) based upon the top five load hours of Blooming Grove and Warwick Circuits in aggregate.

The CLF is calculated as follows:

$$CLF (RY_x) = \frac{Circuits Average Load MWh (RY_x)}{Aggregate of Circuits Top Five Peak Loads Average MW (RY_x)}$$

$$Circuits Average Load MWh = \frac{\sum_{June\ 1}^{July\ 31} MW\ for\ all\ circuits_{hourly}}{\sum_{June\ 1}^{July\ 31} Number\ of\ Hours}$$

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Aggregate of Circuits Top Five Peak Loads Average MW

$$= \frac{\sum_{Peak\ 1}^{Peak\ 5} MW\ of\ aggregate\ of\ selected\ circuits_{June/July}}{5}$$

The System Load Factor (“SLF”) will be calculated for the entire system over the same June 1 to July 31 period based upon the same top five hours of the aggregate circuit peaks. The SLF is calculated as follows:

$$SLF\ (RY_x) = \frac{System\ Average\ Load\ MWh\ (RY_x)}{System\ Average\ Peak\ Loads\ at\ Aggregate\ Circuit\ Peaks\ MW(RY_x)}$$

$$System\ Average\ Load\ MWh\ (RY_x) = \frac{\sum_{June\ 1}^{July\ 31} MW_{hourly}}{\sum_{June\ 1}^{July\ 31} Number\ of\ Hours}$$

System Average of Peak Loads at Aggregate Circuit Peaks MW (RY_x)

$$= \frac{\sum_{Peak\ 1}^{Peak\ 5} MW_{June/July}}{5}$$

Circuit Load Factor Reduction (%)	2022	2023	2024
Minimum	2.60%	2.60%	2.60%
Mid-Point	3.40%	3.40%	3.40%
Maximum	5.10%	5.10%	5.10%

1.2 Environmentally Beneficial Electrification EAM

The Environmentally Beneficial Electrification EAM is comprised of three metrics:

Electric Vehicle (“EV”) Adoption, Heat Pump (“HP”) Carbon Reduction Count Up, EV

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Make-Ready Share-the-Savings DC Fast Charger Installation/Level 2 Installation.

These metrics incentivize the Company to reduce carbon emissions by facilitating greater penetration of technologies that use electricity rather than traditional fuels that are more carbon-intensive.

1.2.1 EV Adoption metric

The metric will measure the incremental lifetime short tons of avoided carbon dioxide (“CO₂”)⁶ from the incremental deployment EVs in the Company’s service territory in a given Rate Year. Eligible EVs consist of battery EVs (“BEVs”) and Plug-in hybrid electric vehicles (“PHEVs”). Incremental lifetime tons of CO₂ will be calculated from the number of incremental vehicle registrations in each year multiplied by per-unit assumptions of avoided CO₂ multiplied by the average vehicle lifetime as set forth below.

Battery Electric Vehicles (“BEV”): BEV registrations × Emissions Reduction per BEV Vehicle × Average Vehicle Lifetime

Plug-in Hybrid Electric Vehicles (“PHEV”): PHEV registrations × Emissions Reduction per PHEV Vehicle × Average Vehicle Lifetime

And, where:

Emissions Reduction per BEV Vehicle = 4.91 Tons per year⁷

Emissions Reduction per PHEV Vehicle = 2.65 Tons per year⁸

⁶ US Tons.

⁷ Derived from the following sources: <https://afdc.energy.gov/data/10310>, <https://afdc.energy.gov/data/10309>, <https://www.epri.com/research/products/000000003002006876>, https://greet.es.anl.gov/afleet_tool, <https://www3.epa.gov/otaq/gvg/learn-more-technology.htm>, CALSTART/Alternative Fuels Data Center, U.S. Energy Information Administration Annual Energy Outlook 2019.

⁸ Ibid.

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Average Vehicle Lifetime = 10 years

Incremental registrations of eligible BEVs and PHEVs in the Company's service territory will be calculated using vehicle registration data as published on the Atlas Public Policy EValuateNY website, a NYSERDA-funded tool, or other equivalent source.

EV Adoption Targets (Incremental Lifetime Tons of CO₂)	2022	2023	2024
Minimum	60,301	120,602	241,225
Mid-Point	82,466	152,044	281,424
Maximum	104,653	183,486	321,601

1.2.2 Heat Pump Carbon Reduction Count Up metric

The Heat Pump Carbon Reduction Count Up (“HPCR”) metric will measure the amount of carbon reduction from incremental heat pump technologies and building shell measures using the Company’s Clean Heat funds and installed in the Company’s service territory each year. The metric will be measured as the incremental lifetime tons of avoided carbon dioxide (“CO₂”),⁹ converted from Clean Heat net MMBtu savings, from heat pump technologies and building shell measures calculated by using the current New York Technical Resource Manual (TRM) algorithms and associated EULs from the year in which the savings were achieved. Any energy savings from measures accepted into the NYS Clean Heat Program and reported in the Company’s Clean Heat Portfolio will be eligible to count towards the performance of this metric.

⁹ US Ton.

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Quantification of the HPCR metric will be determined by the net MMBtu savings from heat pumps installed by O&R customers participating in the Clean Heat Program, in the service territory during the Rate Year.

The baseline for each Rate Year will be determined at the end of 2021 by multiplying the NENY Clean Heat MMBtu targets in each Rate Year by the 2021 Baseline Mix CO₂ Tons per MMBtu conversion factor¹⁰ and the 2021 Clean Heat Portfolio EUL to determine the baseline lifetime tons of carbon. The achievement for each Rate Year will be determined by multiplying the actual annual net MMBtu savings as determined by the TRM formula in effect during that Rate Year by the fixed CO₂ Tons per MMBtu conversion factors, provided below, and the Clean Heat Portfolio average EUL from the year in which the savings occurred to determine the actual lifetime tons of carbon reduction achieved. Please refer to below formula:

$$\begin{aligned} & \text{Baseline Lifetime tons of Carbon}_{RY1,2,3} \\ &= \text{NENY Annual MMBTU Target}_{RY1,2,3} \\ & \quad * \text{CO}_2 \text{ Tons per MMBTU Conversion Factor}_{2021} * \text{EUL}_{2021} \end{aligned}$$

Targets will be set at 5%, 25%, and 50% above the baseline to earn the minimum, midpoint, and maximum basis points respectively in each Rate Year.

¹⁰ Baseline Mix will be based off pre-existing baseline fuel mix from the 2021 Clean Heat Portfolio projects and weighted based on MMBtu volume.

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Actual Achievement: Lifetime Tons of Carbon_{RYi}

$$\begin{aligned}
 &= (Company\ Clean\ Heat\ Portfolio\ Natural\ Gas\ MMBTU\ Savings_{RYi} \\
 &\quad * CO_2Tons\ per\ Natural\ Gas\ MMBTU\ Conversion\ Factor \quad * EUL_{RYi}) \\
 &+ (Company\ Clean\ Heat\ Portfolio\ Propane\ MMBTU\ Savings_{RYi} \\
 &\quad * CO_2Tons\ per\ Propane\ MMBTU\ Conversion\ Factor \quad * EUL_{RYi}) \\
 &+ (Company\ Clean\ Heat\ Portfolio\ \#2\ Oil\ MMBTU\ Savings_{RYi} \\
 &\quad * CO_2Tons\ per\ \#2\ Oil\ MMBTU\ Conversion\ Factor \quad * EUL_{RYi}) \\
 &+ (Company\ Clean\ Heat\ Portfolio\ Electric\ MMBTU\ Savings_{RYi} \\
 &\quad * CO_2Tons\ per\ Electric\ MMBTU\ Conversion\ Factor \quad * EUL_{RYi})
 \end{aligned}$$

Pre-Existing Fuel: Greenhouse Gas Conversion Factors	
Natural Gas (Tons CO2e/MMBtu)	.0586
#2 Oil (Tons CO2e/MMBtu)	.0815
Propane (Tons CO2e/MMBtu)	.0681
Electric (Tons CO2e/MMBtu)	.1324

1.2.3 EVSE Make-Ready – Share-the-Savings

The EVSE (Electric Vehicle Supply Equipment) Share-the-Savings metric consists of two components: EVSE Make-Ready Share-the-Savings DC Fast Charger Installations and EV Make-Ready Share-the-Savings Level 2 Installations. These metrics promote performance within O&R's EV Make-Ready Program ("MR Program") to support the

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development of electric infrastructure and equipment necessary to accommodate increased deployment of EVs within New York State by reducing the upfront costs of building charging stations. Through the MR Program, third parties seeking to install or participate in the installation of Level 2 (“L2”) and/or Direct-Current Fast Charging (“DCFC”) chargers can earn incentives that will offset a large portion of, or in some cases, all of the infrastructure costs associated with preparing a site for EV charger installation.

Performance will be based on the number of EVSE L2 and DCFC plugs that received an incentive under the MR Program and the average incentive per plug paid for each plug type.

Performance will be determined at two distinct milestones: at the MR Program’s midpoint review (which coincides with RY 1), and at the end of MR Program review, as described within the EVSE Make-Ready Program Order and subsequent Errata Notice. Achievement at each milestone will be determined as detailed below:

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Level 2 Metric Award Calculation¹¹

$$\begin{aligned}
 EAM \text{ Award} = & \left\{ \left[\left(\frac{\$ \text{ incentive}}{\text{plug}_{Public,baseline}} \right) (Plugs \text{ Incented}_{Public,actual}) \right. \right. \\
 & + \left(\frac{\$ \text{ incentive}}{\text{plug}_{Non-Public,baseline}} \right) (Plugs \text{ Incented}_{Non-Public,actual}) \\
 & + \left. \left(\frac{\$ \text{ incentive}}{\text{plug}_{DAC,baseline}} \right) (Plugs \text{ Incented}_{DAC,actual}) \right] \\
 & - [(\$ \text{ Incentive}_{Public,actual}) + (\$ \text{ Incentive}_{Non-Public,actual}) \\
 & + (\$ \text{ Incentive}_{DAC,actual})] \Big\} (30\%)
 \end{aligned}$$

Where:

$\frac{\$ \text{ incentive}}{\text{plug}_{Public,baseline}}$	\$5,400 per Plug
$\frac{\$ \text{ incentive}}{\text{plug}_{Non-Public,baseline}}$	\$3,000 per Plug
$\frac{\$ \text{ incentive}}{\text{plug}_{DAC,baseline}}$	\$6,000 per Plug
$Plugs \text{ Incented}_{Public,actual}$	The number of qualifying public L2 plugs installed under the program, outside of disadvantaged communities, during the applicable program period. ¹²
$Plugs \text{ Incented}_{Non-Public,actual}$	The number of L2 plugs installed under the program in non-public spaces, outside of disadvantaged communities, during the applicable program period.
$Plugs \text{ Incented}_{DAC,actual}$	The number of L2 plugs installed under the program within disadvantaged communities during the applicable program period.
$\$ \text{ Incentive}_{Public,actual}$	Total incentives paid qualifying public L2 plugs outside of disadvantaged communities during the applicable period.
$\$ \text{ Incentive}_{Non-Public,actual}$	Total incentives paid for non-public L2 plugs outside of disadvantaged communities during the applicable period.
$\$ \text{ Incentive}_{DAC,actual}$	Total incentives paid for plugs within disadvantaged communities during the applicable period.
Minimum Number of Plugs Required to earn Mid-point EAM	569
Minimum Number of Plugs Required to earn End of Program EAM	2,845

¹¹ Order Establishing Electric Vehicle Infrastructure Make-Ready Program and Other Programs, issued July 16, 2020, in Case 18-E-0138, Appendix C and Errata Notice.

¹² Applicable program period refers to program start through mid-point or mid-point through program end.

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Disadvantaged Communities (DAC)	Includes environmental justice and low- and moderate-income communities as well as additional areas to be determined later.
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DCFC Metric Award Calculation¹³

$$\begin{aligned}
 EAM \text{ Award} = & \left\{ \left[\left(\frac{\$ \text{ incentive}}{kW} \right)_{Public,baseline} (kW \text{ Incented}_{Public,actual}) \right. \right. \\
 & + \left(\frac{\$ \text{ incentive}}{plug} \right)_{Non-Public,baseline} (Plugs \text{ Incented}_{Non-Public,actual}) \\
 & + \left. \left(\frac{\$ \text{ incentive}}{kW} \right)_{DAC,baseline} (kW \text{ Incented}_{DAC,actual}) \right] \\
 & - [(\$ \text{ Incentive}_{Public,actual}) + (\$ \text{ Incentive}_{DAC,actual})] \Big\} (30\%)
 \end{aligned}$$

Where:

$\frac{\$ \text{ incentive}}{kW} \text{ }_{Public,baseline}$	\$330 per kW
$\frac{\$ \text{ incentive}}{kW} \text{ }_{DAC,baseline}$	\$183 per kW
$kW \text{ Incented}_{Public,actual}$	Total public kW plug capacity installed outside of disadvantaged communities for the applicable program period.
$kW \text{ Incented}_{DAC,actual}$	Total kW plug capacity installed within disadvantaged communities for the applicable program period.
$\$ \text{ Incentive}_{Public,actual}$	Total incentives paid for all public plugs outside of disadvantaged communities for the applicable program period.
$\$ \text{ Incentive}_{DAC,actual}$	Total incentives paid for all plugs within disadvantaged communities for the applicable program period.
Minimum Number of Plugs Required to earn Mid-point EAM	14
Minimum Number of Plugs Required to earn End of Program EAM	71

¹³ Ibid.

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2.0 Gas EAMs

2.1 Gas Peak Reduction Metric

The Gas Peak Reduction metric is an outcome-based metric that incentivizes the Company to reduce gas peak load in its service territory. To the extent the gas peak load for the Company’s service territory is less than the minimum target established for the EAM metric, the Company will receive an incentive. The metric is based on a reduction in the “Heating Factor”, derived by dividing heating-related peak demands (“HPD”) by heating degree days (“HDD”) (together “HPD/HDD”). The HPD for each period is calculated as the difference between the average of the top 3 winter season (October through June) firm peak demands and the average of the top 3 summer season (July through September) firm peak demands.¹⁴

The HPD/HDD or Heating Factor for each year is determined through the following formula:

$$\frac{HPD}{HDD} \text{ or Heating Factor} = \frac{\overline{Top\ 3\ Winter\ Peak\ Day\ Demands}_Y - \overline{Top\ 3\ Summer\ Peak\ Day\ Demands}_Y}{\overline{Top\ 3\ Winter\ Peak\ Day\ HDDs}_Y}$$

Where:

Y	<p>A given year with winter and summer seasons. The summer seasons start from July 1 through September 30 of the current year, and the winter seasons start from October 1 of current year through June 30 of the following year.</p> <p>For example, 2021-2022 year includes summer season from</p>
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¹⁴ Only those days during the summer season that have an average temperature above 63 degrees will be considered.

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	July 1, 2021 through September 30, 2021, and winter season from October 1, 2022 through June 30, 2022.
$\overline{\text{Top 3 Winter Peak Day Demands}_y}$	Average of top 3 peak day demands during the winter season in year Y (as defined above)
$\overline{\text{Top 3 Summer Peak Day Demands}_y}$	Average of top 3 peak day demands during the summer season in year Y (as defined above)
$\overline{\text{Top 3 Winter Peak Day HDDs}_y}$	Average of heating degree days from the top 3 peak demand days during the winter season in year Y (as defined above)

Performance targets will be established each year based on the following:

- Baseline will be set each year based on a trendline derived from a linear regression of the most recent 5-year historical HPD/HDD or Heating Factors. For example, the RY1 (2022-23) baseline will be based on the five-year historical period from July 2017 through June 2022.
- Adjusted Baseline will be set each year at Baseline less 0.50 percent improvement factor.
- Minimum, mid-point, and maximum performance targets for each Rate Year will be set, respectively, at the Adjusted Baseline less 0.25, 1.00, and 1.75 times the Standard Error of the linear regression (SE).
- The SE will be based on the standard error of the linear regression model.
- The following is a summary of how the targets will be set each Rate Year:

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Gas Peak Reduction Targets (Dth)	2022	2023	2024
Baseline	Trendline based on Linear Regression of the most recent 5-year historical HPD/HDD		
Adjusted Baseline	Baseline + (-0.50%)		
Minimum	Adjusted Baseline – (0.25 x SE of Regression)		
Mid-Point	Adjusted Baseline – (1.00 x SE of Regression)		
Maximum	Adjusted Baseline – (1.75 x SE of Regression)		

The Company will receive an incentive if the actual HPD/HDD or Heating Factor for a given year is less than the minimum performance targets described above, with linear scaling between minimum and midpoint, and between midpoint and maximum earnings adjustments.

3.0 Energy Efficiency EAMs

The Energy Efficiency EAMs consists of one electric metric, one gas metric, and one cross commodity metric: Electric Energy Efficiency (“EE”) Share-the-Savings (“STS”), Gas EE STS, and Cross Commodity EE LMI Savings.

3.1 Energy Efficiency Share-the-Savings Metrics

The STS metrics are designed to promote unit cost reductions for O&R’s non-LMI electric energy efficiency, and non-LMI gas energy efficiency portfolios. Performance will be measured based on O&R’s implementation of energy efficiency programs and the resulting reductions in the unit cost of lifetime energy savings as compared with the

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targets as approved by the Public Service Commission¹⁵, as well as the overall level of energy savings achieved.

Under the STS metrics, the Company will be awarded 30% of unit cost savings realized from O&R's lifetime acquired and verified gross savings (VGS) once O&R has met the minimum annual threshold savings targets. The calculation is subject to verified gross savings policy, as described in Clean Energy Guidance Document #8, "Gross Savings Verification Guidance."¹⁶

The Share-the-Savings metrics are computed formulaically based on annualized energy savings achieved, Commission approved budgets and targets, weighted average EUL, and expenditures associated with each respective portfolio.

First year annualized energy savings and weighted average EUL will be computed in accordance with the TRM where applicable.¹⁷ Expenditures will be tracked and reported by O&R.

Share-the-Savings achievement will be calculated as follows:

Electric Energy Efficiency Share-the-Savings:

¹⁵ Case 18-M-0084, *In the Matter of a Comprehensive Energy Efficiency Initiative. Order Authorization Utility Energy Efficiency and Building Electrification Portfolios through 2025, Issued and effective January 16, 2020.*

¹⁶ New York State Department of Public Service Office of Markets and Innovation, Clean Energy Guidance (CE-08), Gross Savings Verification Guidance, August 23, 2019.

¹⁷ If a specific algorithm is not included in the TRM, the Company will estimate using technology specific industry research and/or data.

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Non – LMI Electric EE STS EAM Award

$$= \left[\left(\frac{Budget_{Authorized}}{MWh_{Authorized} \times EUL_{Baseline}} \right) - \left(\frac{Expenditures_{Actual}}{MWh_{Actual} \times EUL_{Actual}} \right) \right] \\ \times MWh_{Actual} \times EUL_{Actual} \times 30\%$$

Gas Energy Efficiency Share-the-Savings

Non – LMI Gas EE STS EAM Award

$$= \left[\left(\frac{Budget_{Authorized}}{MMBtu_{Authorized} \times EUL_{Baseline}} \right) - \left(\frac{Expenditures_{Actual}}{MMBtu_{Actual} \times EUL_{Actual}} \right) \right] \\ \times MMBtu_{Actual} \times EUL_{Actual} \times 30\%$$

Where:

<i>EUL_{Baseline}</i>	Weighted average Non-LMI Gas or Electric portfolio EUL based on the actual mix of measures acquired during the <u>prior year</u> , computed using EULs from the Technical Resource Manual version that is in effect at the end of the current year for those measures. This baseline mechanism is designed to eliminate impacts from TRM changes which occur during the current (measurement) year.
<i>EUL_{Actual}</i>	Actual weighted average portfolio EUL for the current year.
<i>MWh_{Authorized}</i> <i>MMBtu_{Authorized}</i>	O&R's January 2020 NENY authorized portfolio energy annual savings targets (less January 2020 LMI NENY Targets) as detailed below.
<i>MWh_{Actual}</i> <i>MMBtu_{Actual}</i>	Total gross verified first year annualized portfolio energy savings achieved during the year.
<i>Budget_{Authorized}</i>	O&R's January 2020 NENY authorized portfolio annual budgets (less January 2020 LMI NENY budgets) as detailed below.
<i>Expenditures_{Actual}</i>	O&R Gas or Electric portfolio expenditures during the current year.
<i>Minimum Annual STS Threshold Targets</i>	Calculated by applying the cumulative over-or-under performance using the 2018 O&R Rate Case Joint Proposal EE targets for 2019-2020 and the January 2020 NENY Order for 2021-2025 to the 2022-2025 annual NENY targets. The cumulative over-or-under-performance from prior years will be divided by the remaining number of years through 2025.

Authorized budgets and targets are detailed in tables below.

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Authorized Budgets and Targets	2022	2023	2024
Non-LMI Electric EE Portfolio			
<i>MWh_{Authorized}</i>	64,191	66,044	67,711
<i>Budget_{Authorized}</i>	\$11,940,181	\$12,280,211	\$12,586,238
Non-LMI Gas EE Portfolio			
<i>MMBtu_{Authorized}</i>	56,438	72,469	89,470
<i>Budget_{Authorized}</i>	\$1,851,941	\$2,400,359	\$2,981,977

3.2 Cross Commodity LMI EE Savings Metric

The LMI EE metric is designed to promote gas and electric energy savings of the LMI customer segment. This metric will measure O&R's performance in delivering savings to qualifying customers. Eligibility and program delivery structures have been developed in accordance with, and may continue to evolve within, the context of the NENY proceeding. Eligibility and program delivery structures for LMI customers are further detailed within the 2020 LMI Implementation Plan.¹⁸ This calculation is subject to the verified gross savings policy, as described in Clean Energy Guidance Document #8, Gross Savings Verification Guidance.

The LMI EE metric is based on total lifecycle energy savings achieved within O&R's LMI Energy Efficiency portfolio. Actual lifecycle energy savings will be based on first year annualized energy savings and multiplied by the weighted average EUL of the

¹⁸ Cases 18-M-0084, 14-M-0094, Statewide Low and Moderate Income Portfolio Implementation Plan, filed July 27, 2020.

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respective energy efficiency portfolio for the year in which energy savings were achieved (i.e., the EUL used to determine actual lifetime energy savings achieved in RY 3 should be the respective EE portfolio weighted EUL average from 2024). The savings will be computed in accordance with the TRM Programs where applicable.¹⁹

The targets are based on electric and gas MMBtu achieved cumulatively between January 1, 2022, and December 31, 2024. To determine achievement, lifecycle energy savings will be compared against the cumulative target as computed below, following the end of 2024. Additionally, the Company is required to meet the cumulative 3-year annual minimum lifetime MMBtu target²⁰ identified below for both of its electric and gas energy efficiency portfolios before it can have the opportunity to earn a monetary award for this metric.

LMI Energy Savings Target

$$\begin{aligned} &= \sum_{i=2022}^{2024} [(Baseline\ Target_{e,i} \times EUL_{e,2021} \times 3.412) \\ &+ (Baseline\ Target_{g,i} \times EUL_{g,2021})] \times Performance\ Multiplier \end{aligned}$$

¹⁹ If a specific algorithm is not included in the TRM, the Company will estimate using technology specific industry research and/or data.

²⁰ Cumulative 3-year annual minimum lifetime thresholds will be determined individually for the electric and gas targets by summing the product of the NENY first year annual MMBtu targets multiplied by the respective 2021 EUL for each portfolio.

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$$\begin{aligned}
 & \text{Actual LMI Savings} \\
 &= \sum_{i=2022}^{2024} \left(\text{Verified LMI First Year MWh Savings}_{e,i} \times EUL_{e,i} \times 3.412 \right) \\
 &+ \left(\text{Verified LMI First Year MMBtu Savings}_{g,i} \times EUL_{g,i} \right)
 \end{aligned}$$

Where:

<i>Baseline Target_{e,i}</i>	2022: 415 MWh 2023: 530 MWh 2024: 646 MWh
<i>Baseline Target_{g,i}</i>	2022: 5,167 MMBtu 2023: 6,606 MMBtu 2024: 8,044 MMBtu
<i>EUL_{e,2021}</i>	Weighted average portfolio EUL for O&R electric portfolio in 2021.
<i>EUL_{g,2021}</i>	Weighted average portfolio EUL for O&R gas portfolio in 2021.
<i>EUL_{e,i}</i>	Weighted average electric portfolio EUL for year in which first year savings were achieved.
<i>EUL_{g,i}</i>	Weighted average gas portfolio EUL for year in which first year savings were achieved.
<i>Performance Multiplier</i>	Minimum Targets: 105%, Mid-Point Targets: 125%, Maximum Targets: 150%

4.0 EAM Reporting Requirements

The Company will file an annual EAM report with the Secretary no later than April 30 following each Rate Year demonstrating the Company's performance relative to each EAM metric target and the calculations for incentives earned, including proration of any incentives related to metric achievement between the minimum, midpoint, and maximum target levels, and Share-the-Savings calculations if applicable. In addition, the Company will file quarterly reports with the Secretary in these proceedings to report progress on both the EAM metrics and scorecard metrics. The reports should be filed

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60 days after the end of the first three quarters and should describe the Company's progress toward the metric targets and the actions the Company has taken during the quarter to achieve its targets. Annual reports should describe any EM&V activities applicable to EAM performance. The Company will also detail the application of VGS policy to certain EAMs. In addition, the reports should include a forecast of whether the Company believes it is on track to meet the annual or cumulative targets.

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ELECTRIC REVENUE ALLOCATION AND RATE DESIGN

1. Revenue Allocation

Two adjustments were made to the incremental revenue requirement before allocating it among customer classes. The first adjustment to the incremental revenue requirement for each Rate Year (“RY”)¹ is the subtraction of amounts included for New York State Gross Receipts and Franchise Tax surcharge revenues, Municipal Tax surcharge revenues and Metropolitan Transportation Authority Business Tax surcharge revenues. The second adjustment was made to adjust the revenue requirement to offset the incremental credits that are projected to be paid to low income residential customers in each RY.²

For each RY, before the adjusted incremental revenue requirement was applied to each customer class, the RY delivery revenues for each class were realigned in a revenue neutral manner to reduce interclass deficiencies and surpluses as indicated by the embedded cost of service (“ECOS”) study. In each RY, deficiency and surplus indications have been reduced by one-third. The RY delivery revenue increase was then allocated among the Service Classifications (“SC”) in proportion to the relative contribution made by each SC’s realigned RY delivery revenue to the total realigned RY delivery revenue. The delivery revenue changes by SC for each RY were mitigated in a manner such that each SC did not

¹ RY1 is defined as the 12 months ending December 31, 2022, RY2 is defined as the 12 months ending December 31, 2023, and RY3 is defined as the 12 months ending December 31, 2024.

² This adjustment was a decrease of \$174,572 in RY1 with an incremental increase of \$358,756 in RY2 and an incremental increase of \$371,640 in RY3.

receive a revenue change that was no more than 1.2 times or less than 0.3 times the overall RY delivery revenue change.

2. **Rate Design (Excluding Standby Service and Buyback Service)**

The rate design process for each RY for all classes except for Rider J – Smart Home Rate consists of the following six steps:

- Determine revised customer charges and a revised Reactive Power Demand Charge (“RPDC”) and associated delivery revenue changes.
 - Determine revised competitive service charges and associated delivery revenue changes.
 - Adjust class-specific delivery revenue increases to determine non-competitive delivery revenue increases excluding customer charges and the RPDC (“adjusted non-competitive delivery revenue increases”).
 - Calculate class-specific adjusted non-competitive delivery revenue changes for a historical period.
 - Implement intraclass rate structure changes for certain SCs.
 - Apply adjusted non-competitive delivery revenue increases within each SC.
- a. **Revised Customer Charges and RPDC and Associated Delivery Revenue Changes**
- (i) The following summarizes the customer charges in each RY.

SC	RY1	RY2	RY3
SC No. 1*	\$20.50	\$21.50	\$22.00
SC Nos. 2 Sec NDB Unmtd & 16 EO Unmtd	18.00	19.00	20.00
SC No. 2 Sec NDB Mtd	20.00	22.00	24.00
SC No. 2 Sec DB (Non-Standby)	23.00	25.00	27.00
SC No. 2 Pri (Non-Standby)	37.00	39.00	41.00
SC No. 3 (Non-Standby)	100.00	80.00	60.00
SC No. 21 (Non-Standby)	133.00	103.00	73.00

* These charges are also applicable to Rider J – Smart Home Rate.

For all other SCs (except for Standby Service and Buyback Service), the customer charges will remain at their current levels.

- (ii) The RPDC will be increased to \$0.85/kVAr of billable reactive power demand.

b. Revised Competitive Service Charges and Associated Delivery Revenue Changes

The competitive delivery components include: the billing and payment processing ("BPP") charge; the merchant function charge ("MFC") fixed components, that is the MFC procurement and credit and collections ("C&C") components; the purchase of receivables ("POR") C&C component; and metering charges. The revised competitive service charge revenue levels for each RY were compared with competitive service charge revenues determined based on competitive service charges for the previous RY to determine the change in competitive service revenues.

- (i) Based on ECOS study indications, the BPP charge has been increased in RY1 from \$1.30 to \$1.50. The incremental revenue associated with the change in the BPP charge was based on the number of forecasted bills times the incremental BPP charge.
- (ii) The revised revenue levels for the MFC fixed components and the POR C&C component were based on percentages of delivery revenue as determined in the ECOS study.
- (iii) The revised revenue level for the metering charges was set to zero due to the elimination of these competitive service charges beginning in RY1.

c. Determination of Class-Specific Adjusted Non-competitive Delivery Revenues

For each RY, the revenue changes associated with the competitive service charges, customer charges, and RPDC were used to adjust the class-specific delivery revenue

increases to determine class-specific adjusted non-competitive delivery revenue increases.³

d. Determination of Class-Specific Adjusted Non-Competitive Delivery Revenue Increases for a Historical Period

Class-specific revenue ratios were developed for each RY by dividing (a) adjusted non-competitive delivery revenues for each class based on billing data for the historical period (*i.e.*, the twelve months ended December 31, 2019) and rates for the previous RY by (b) adjusted non-competitive delivery revenues for each class based on RY billing data and rates for the previous RY. These revenue ratios for each class were applied to each RY's adjusted non-competitive delivery revenue increase to determine each class's adjusted non-competitive delivery revenue increase for that historic year.

e. Intraclass Rate Structure Changes

The following rate structure changes were made in a revenue neutral manner before applying the adjusted non-competitive delivery revenue increases within each of the affected SCs.

SC No. 2 – Secondary Demand Billed

For SC No. 2 Secondary Demand Billed service, in RY1, the existing three block kWh usage rate structure will be changed to a two block usage rate structure (*i.e.*, the new two block structure will consist of separate rates for the first 4,920 kWh of monthly usage and for monthly usage over 4,920 kWh). Additionally, in each RY, 5% of kWh usage related delivery revenue was shifted from usage charges to demand charges on a

³ For ECOS Study indications, revenue allocation, and rate design, SC No. 19 is and will continue to be treated as a separate class from SC No. 1.

seasonal basis. The class-specific increase was then applied on a common percentage basis to the demand charges.

SC No. 20

For SC No. 20, in each RY, 25% of kWh usage related revenue was shifted from usage charges to demand charges for Periods I and II. The class-specific increase was then applied on a common percentage basis to the demand charges.

f. Application of Adjusted Non-Competitive Delivery Revenue Increase Within Each SC

For all remaining demand billed classes, the Company applied the adjusted non-competitive delivery revenue increase for the historical period to the demand rates on a common percentage basis.

For all other SCs, each class-specific adjusted non-competitive delivery revenue increase, determined as set forth above, was divided by the total of the kWh usage related revenue or luminaire related revenue at the previous RY's rate levels, to establish an average class-specific percentage by which non-competitive delivery rates excluding the customer charges were increased.

g. Rider J – Smart Home Rate

The rates for Rider J – Smart Home Rate were developed in a manner consistent with that used to develop the current Rider J rates. For both Rate I and Rate II,⁴ a portion of transmission and distribution (“T&D”) related revenue was allocated to be recovered through T&D event charges. That revenue was then assigned to be recovered through

⁴ The Company separately filed with the Commission on October 22, 2021 a proposal to eliminate Rider J – Rate II. Upon Commission approval of the Company's proposal, Rate II will not be included in the compliance filings in this proceeding.

T&D events in a way that mirrors the overall T&D proportional allocations of the delivery charge in the revenue requirement.

For Rate I, the delivery revenue that is not recovered through the customer charge and is not designed to be recovered through T&D event charges was assigned to be recovered through the daily demand charges. For Rate II, the delivery revenue that is not recovered through the customer charge and is not designed to be recovered through T&D event charges was assigned to be recovered through the subscription charge.

3. **Unbundled Charges**

a. **Merchant Function Charge**

For the term of the Electric Rate Plan, the Company will continue to implement the MFC, as set forth in the Company's electric tariff. The MFC fixed component monthly targets for each RY are set forth in Schedule 4 of this Appendix.

b. **Transition Adjustment for Competitive Services**

For the term of the Electric Rate Plan, the Company will continue to implement the Transition Adjustment for Competitive Services ("TACS"), as set forth in the Company's electric tariff, modified as follows.

The Company will no longer reconcile the difference between the POR C&C revenue target and the POR C&C actual revenue through the TACS mechanism and will instead do so through the POR Discount. The TACS section of the electric tariff will be amended to remove the POR C&C reconciliation commencing with the TACS that will become effective January 1, 2023, since the TACS effective January 1, 2022 will be reconciling the POR C&C revenue target and actual revenue for RY 3 of the current rate plan.

c. POR Discount

For the term of the Electric Rate Plan, the Company will continue to implement the POR discount, as set forth in the Company's electric tariff, modified as follows.

The Company will collect the difference between the POR C&C revenue target and actual revenue as a component of the POR discount (*i.e.*, on a percentage basis applicable to ESCOs rather than on a \$/kWh basis applicable to customers). The POR C&C reconciliation has been added as a component of the POR discount percentage commencing with the POR discount percentage effective January 1, 2023. The POR C&C component monthly targets for each RY are set forth in Schedule 4 of this Appendix.

d. BPP Charge

The Company's BPP charge will increase from \$1.30 per bill to \$1.50 per bill.

e. Metering Charges

The Company's Metering Charges will be eliminated beginning in RY1.

4. **Rate Design – Standby Service and Buyback Service⁵**

The standby rate design is consistent with the guidelines set forth in the Commission's Opinion 01-04, Opinion and Order Approving Guidelines for the Design of Standby Service Rates, issued October 26, 2001 in Case 99-M-1470. The billing determinants used to design standby rates were based on those used in the formulation of the proposed rates for the otherwise applicable non-standby SCs. The cost allocation matrix contained in Appendix B

⁵ The Company filed on September 23, 2019 proposed changes to the Standby Service rate design in compliance with the Commission's Order on Standby and Buyback Service Rate Design and Establishing Optional Demand-Based Rates, issued May 16, 2019, in Case No. 15-E-0751. Should the Commission approve the Company's filing or require changes to the proposed filing during the course of the rate plan, the Company will revise its proposed Standby Service rates accordingly.

of the March 11, 2003 Joint Proposal adopted by the Commission in its Order Establishing Electric Standby Rates, issued July 29, 2003, in Case Nos. 02-E-0780 and 02-E-0781 also was used. This matrix shows the percentage allocation of costs between the as-used demand charge and the contract demand charge, at various service levels.

The class revenue requirements to be recovered through the contract demand charges were developed by applying the percentages applicable to the contract demand from the cost allocation matrix to the portions of the revenue requirement applicable to transmission, substation, primary, and secondary costs. The contract demand revenue requirements were divided by the applicable estimated standby contract demand billing determinants, which were developed based on a ratio reflecting the relationship between contract demand and monthly billing demands. This resulted in the contract demand charges.

The class revenue requirements to be recovered through the as-used daily demand charges were developed by applying the percentages applicable to as-used demand charges from the cost allocation matrix to the portions of the revenue requirement applicable to transmission, substation, primary, and secondary costs. The as-used daily demand charge revenue requirements were divided by the applicable estimated as-used daily demand billing determinants to develop the as-used daily demand charges.

The customer charges for standby service were based on the otherwise applicable SC customer costs as outlined in the ECOS study.

The MFC, BPP, and RPDC for Standby Service rates are equal to that of the otherwise applicable SC.

The Buyback Service Contract Demand rates and customer charges have been set equal to the Standby Service contract demand rates and customer charges for the applicable class.

5. Additional Items for Collection through the Energy Cost Adjustment

As set forth in Appendix 9, the Energy Cost Adjustment (“ECA”) will be amended to include recovery for the following items: (1) the Revenue Adjustment Mechanism; (2) the Late Payment Charge Reconciliation; and (3) the COVID Uncollectible Expenses Variance. These three items will become components of the Variable ECA and collections or credits to customers through such mechanism will occur once results are known after the end of each RY. Such collection amounts will be spread equally over a 12-month period.

6. Make Whole Provisions

If the Commission makes rates effective for RY1 after January 1, 2022, the Company will implement a make whole provision. Differences in non-competitive delivery service revenues that result from the extension of the Case 21-E-0073 suspension period plus interest at the Commission’s Other Customer Capital Rate will be collected via the implementation of a Delivery Revenue Surcharge (“DRS”).⁶ The DRS will be in effect on the date rates become effective in this case through the remainder of RY1. The unit amount to be collected from customers will be shown by SC on the Statement of Delivery Revenue Surcharge.⁷ Any difference between amounts required to be collected and actual amounts collected will be charged or credited to customers in a subsequent DRS Statement that will become effective March 1, 2023.

⁶ Competitive services’ revenue differences associated with the extension of the Case 21-E-0073 suspension period will be reconciled and surcharged or recovered through the TACS.

⁷ Standby Service customers will be charged on a per-kW of contract demand basis while all other customers will be charged on a per-kWh basis.

7. Tariff Filing Dates

By January 1, 2022, 2023 and 2024 the Company will file tariff revisions implementing the rate changes for RY1, RY2, and RY3, respectively,⁸ unless the Commission makes rates effective for RY1 after January 1, 2022 in this proceeding, at which time the Company will place RY1 rates into effect on another date subject to the make whole provisions described above.

⁸ The tariff filings for RY2 and RY3 will be made at least 30 days prior to the effective date of new rates.

ORANGE AND ROCKLAND UTILITIES, INC.

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Appendix 17 - Electric Revenue Allocation and Rate Design

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**Impact of Proposed Rate Change on Total Revenue - No Temporary Surcharge
For the Rate Year Twelve Months Ending December 31, 2022 (1) (2)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

<u>Service Classification</u>	<u>Rate Year Billed Sales</u> (MWH)	<u>Customers</u>	<u>Revenue At Current Rates</u> (\$000s)	<u>Revenue At Proposed Rates</u> (\$000s)	<u>Change</u> (\$000s)	<u>Percent Change</u>
SC1	1,527,098	203,697	294,740	302,958	8,218	2.8%
SC19	<u>66,244</u>	<u>3,198</u>	<u>11,638</u>	<u>11,924</u>	<u>286</u>	<u>2.5%</u>
Total Res	1,593,342	206,896	306,378	314,882	8,505	2.8%
SC2 Sec	846,575	24,174	136,309	138,049	1,740	1.3%
SC2 Sec Heat	24,293	296	2,755	2,801	46	1.7%
SC2 Sec ND & UM	16,808	4,938	3,420	3,491	71	2.1%
SC20	<u>86,889</u>	<u>461</u>	<u>10,795</u>	<u>10,945</u>	<u>150</u>	<u>1.4%</u>
Total Secondary	974,566	29,868	153,279	155,286	2,007	1.3%
SC2 Pri	50,231	186	5,760	5,851	90	1.6%
SC3	310,460	261	36,765	37,077	312	0.9%
SC21	<u>33,561</u>	<u>27</u>	<u>4,025</u>	<u>4,077</u>	<u>52</u>	<u>1.3%</u>
Total Primary	394,252	474	46,550	47,004	454	1.0%
Total Sec & Pri	1,368,818	30,342	199,829	202,290	2,461	1.2%
SC9 (Commercial)	514,516	51	50,526	50,835	308	0.6%
SC22 (Industrial)	<u>292,002</u>	<u>33</u>	<u>28,901</u>	<u>29,082</u>	<u>181</u>	<u>0.6%</u>
Total SC9 & SC22	806,518	84	79,428	79,917	489	0.6%
SC4	10,498	66	2,989	3,082	93	3.1%
SC5	2,105	508	348	357	9	2.6%
SC6	3,211	0	470	474	5	1.0%
SC 16 -dusk-to-dawn	9,489	2,220	3,316	3,426	110	3.3%
SC 16 - energy only	2,577	436	507	519	12	2.4%
SC16 - Total	<u>12,066</u>	<u>2,656</u>	<u>3,823</u>	<u>3,945</u>	<u>122</u>	<u>3.2%</u>
Total Lighting	27,880	3,230	7,630	7,859	228	3.0%
Total	3,796,558	240,551	593,264	604,948	11,684	2.0%

Notes:

1. For comparison purposes, an estimated electric supply charge for retail access customers has been included in total revenues. This is equivalent, on a per unit basis, to the cost of electric supply included in full service customer revenues.
2. Revenue at Current Rates excludes temporary surcharge revenues from Rate Year 3 of Case 18-E-0067

ORANGE AND ROCKLAND UTILITIES, INC.

Case No. 21-E-0074

Calculation of Incremental Revenue Requirement for Rate Year 1

Based on Levelized Revenue Requirement

a. Incremental Revenue Requirement for Rate Year Including Gross Receipts/MTA Taxes (1)	\$11,675,285
b. Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>199,000</u>
c. Incremental Revenue Requirement for Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$11,476,285
d. Low Income Incremental Funding	(\$174,572)
e. Total Revenue Requirement + Low Income Incremental Funding	\$11,301,713
f. Rate Year Bundled Delivery Revenues	\$334,869,993
g. Rate Year Percentage Increase in Delivery Revenues (e / f)	3.37496%
h. Rate Year Overall Percentage Increase in Delivery Revenues Less Low Income Incremental Funding (c/f)	3.42709%

Note:

1. Twelve months ending December 31, 2022
2. GRT/MTA Gross Up Included in Rev Req = 1.71%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 1

Based on Levelized Revenue Requirement

Class	Bundled Rate Yr. Delivery Rev (\$)	Surplus/ Deficiency (\$)	Adj. Rate Yr. Delivery Revenue (\$)	Proposed Rate Yr. Incr. @ 3.37496% (\$)	Rate Yr. Bundled Delivery Rev. at 'Proposed Rate Level (\$)	Proposed RY Increase Incl. (Sur)/Def (\$)	Mitigation Adjustment (\$)	Adjusted Rate Yr. Increase Including Mitigation Adj (\$)	Rate Yr. Bundled %
SC1	195,025,100	3,850,329	198,875,429	6,711,966	205,587,395	10,562,295	(2,663,876)	7,898,419	4.0%
SC19	<u>6,948,100</u>	<u>27,000</u>	<u>6,975,100</u>	<u>235,407</u>	<u>7,210,507</u>	<u>262,407</u>	<u>71,917</u>	<u>281,395</u>	<u>4.0%</u>
Total Res	201,973,200	3,877,329	205,850,529	6,947,373	212,797,902	10,824,702	(2,591,959)	8,179,814	4.0%
SC2 Sec	76,821,098	(1,633,665)	75,187,433	2,537,546	77,724,979	903,881	775,220	1,710,310	2.2%
SC2 Sec Heating	1,121,746	147,667	1,269,413	42,842	1,312,255	190,509	(145,078)	45,431	4.0%
SC2 Sec ND	1,717,649	32,667	1,750,316	59,072	1,809,388	91,739	(22,175)	69,564	4.0%
SC20	<u>4,727,800</u>	<u>(61,000)</u>	<u>4,666,800</u>	<u>157,503</u>	<u>4,824,303</u>	<u>96,503</u>	<u>48,117</u>	<u>146,557</u>	<u>3.1%</u>
Total Sec	84,388,293	(1,514,332)	82,873,962	2,796,963	85,670,925	1,282,631	656,084	1,971,861	2.3%
SC2 Pri	2,237,000	(11,000)	2,226,000	75,127	2,301,127	64,127	22,951	88,002	3.9%
SC3	15,191,900	(795,333)	14,396,567	485,878	14,882,445	(309,455)	611,707	308,228	2.0%
SC21	<u>1,688,800</u>	<u>(23,333)</u>	<u>1,665,467</u>	<u>56,209</u>	<u>1,721,676</u>	<u>32,876</u>	<u>17,172</u>	<u>50,739</u>	<u>3.0%</u>
Total Pri	19,117,700	(829,666)	18,288,034	617,214	18,905,248	(212,452)	651,830	446,969	2.3%
Total Sec & Pri	103,505,993	(2,343,998)	101,161,996	3,414,177	104,576,173	1,070,179	<u>1,307,914</u>	2,418,830	2.3%
Total SC9 (Com)	15,024,000	(973,999)	14,050,001	474,182	14,524,183	(499,817)	796,796	302,811	2.0%
Total SC22 (Mfg)	<u>8,787,000</u>	<u>(648,666)</u>	<u>8,138,334</u>	<u>274,666</u>	<u>8,413,000</u>	<u>(374,000)</u>	<u>546,878</u>	<u>176,256</u>	<u>2.0%</u>
Total SC 9 & SC 22	23,811,000	(1,622,665)	22,188,335	748,848	22,937,183	(873,817)	1,343,674	479,067	2.0%
SC4	2,233,000	34,000	2,267,000	76,510	2,343,510	110,510	(20,075)	90,435	4.0%
SC5	198,000	17,667	215,667	7,279	222,946	24,946	(16,927)	8,019	4.0%
SC6	234,000	(24,000)	210,000	7,087	217,087	(16,913)	21,447	4,621	2.0%
SC 16 -dusk-to-dawn	2,618,000	29,667	2,647,667	89,358	2,737,025	119,025	(12,997)	106,028	4.0%
SC 16 - energy only	296,800	32,000	328,800	11,097	339,897	43,097	(31,077)	12,020	4.0%
SC16 - Total	<u>2,914,800</u>	<u>61,667</u>	<u>2,976,467</u>	<u>100,455</u>	<u>3,076,922</u>	<u>162,122</u>	<u>(44,074)</u>	<u>118,048</u>	<u>4.0%</u>
Total Lights	5,579,800	89,333	5,669,133	191,331	5,860,464	280,664	(59,629)	221,122	4.0%
Total	334,869,993	0	334,869,993	11,301,729	346,171,722	11,301,729	0	11,298,834	3.4%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Determination of Non-Competitive Delivery Revenue Increases for Rate Year 1

Based on Levelized Revenue Requirement

Incremental Competitive Service, Customer Charge, and RPDC Revenues

Class	Adj. Rate Yr. Incr. Incl. (Sur)/Def Incl. Mitigation Adj./Incr	MFC Supply Related Rev	MFC PP WC Related Rev	MFC Credit & Collections Related Rev	POR Credit & Collections Related Rev	Competitive Metering Related Rev	Customer Charge Rev	Reactive Power Demand Charge Rev	BPP Charge Rev	Total Rate Yr. Incremental Comp. Services Rev	Non- Competitive Rate Yr. Delivery Revenue Incr
	A	B	C	D	E	F	G	H	I	J = \sum (A to I)	K = A - J
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SC1	7,898,419	(1,671,309)	(73,010)	(168,855)	(404,567)	0	2,367,777	0	329,854	379,890	7,518,530
SC19	281,395	(56,222)	(2,456)	(5,680)	(23,656)	0	(464)	0	4,794	(83,684)	365,079
Total Res	8,179,814	(1,727,531)	(75,466)	(174,535)	(428,223)		2,367,313	0	334,648	296,206	7,883,608
SC2 Sec Dmd	1,710,310	(349,872)	(23,808)	(40,500)	(1,772)	(4,867,637)	580,178	3,320	42,541	(4,657,549)	6,367,859
SC2 Sec Heating	45,431	(5,863)	(399)	(679)	(350)	(59,076)	0	0	0	(66,367)	111,798
SC2 Sec ND	69,564	(13,845)	(942)	(1,603)	674	(521,840)	90,575	0	8,689	(438,291)	507,855
SC20	146,557	(13,791)	(938)	(1,597)	(125)	(129,501)	256	554	872	(144,269)	290,826
Total Sec	1,971,861	(383,370)	(26,087)	(44,379)	(1,573)	(5,578,054)	671,009	3,874	52,103	(5,306,477)	7,278,338
SC2 Pri	88,002	(6,720)	(1,519)	(727)	3,085	(61,399)	4,757	653	1,746	(60,124)	148,126
SC3	308,228	(12,995)	(2,939)	(1,405)	17,344	(143,963)	(60,800)	33,889	518	(170,350)	478,579
SC21	50,739	(481)	(108)	(52)	474	(12,976)	(9,708)	4,794	50	(18,007)	68,746
Total Pri	446,969	(20,196)	(4,566)	(2,184)	20,903	(218,338)	(65,751)	39,336	2,314	(248,482)	695,451
Total Sec & Pri	2,418,830	(403,566)	(30,653)	(46,563)	19,330	(5,796,392)	605,258	43,210	54,418	(5,554,958)	7,973,789
Total SC9 (Com)	302,811	(24,458)	(5,533)	(2,644)	12,326	(76,279)	0	61,660	112	(34,816)	337,627
Total SC22 (Mfg)	176,256	(19,794)	(4,478)	(2,140)	10,819	(49,357)	0	90,747	79	25,876	150,380
Total SC 9 & SC 22	479,067	(44,252)	(10,011)	(4,784)	23,145	(125,636)	0	152,406	191	(8,940)	488,007
SC4	90,435	(1,656)	(113)	(192)	(319)	0	0	0	0	(2,280)	92,715
SC5	8,019	(477)	(33)	(56)	(52)	0	0	0	89	(529)	8,548
SC6	4,621	(3,034)	(207)	(351)	117	0	(3,024)	0	0	(6,499)	11,120
SC 16 -dusk-to-dawn	106,028	(8,504)	(579)	(985)	322	0	0	0	54	(9,692)	115,720
SC 16 - energy only	12,020	(2,311)	(157)	(268)	96	0	936	0	790	(914)	12,934
SC16 - Total	118,048	(10,815)	(736)	(1,253)	418	0	936	0	844	(10,606)	128,654
Total Lights	221,122	(15,982)	(1,088)	(1,852)	164	0	(2,088)	0	933	(19,914)	241,036
Total	11,298,834	(2,191,331)	(117,218)	(227,734)	(385,584)	(5,922,028)	2,970,483	195,616	390,189	(5,287,607)	16,586,441

ORANGE AND ROCKLAND UTILITIES, INC.

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**Monthly Billing Comparison - Summer
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 1

Monthly Summer Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	Change		% of Bills in this Usage Range
				Amount	%	
Usage >	Usage ≤					
	50	\$29.53	\$30.79	\$1.26	4.3	8.3
50	100	37.78	39.09	1.31	3.5	1.6
100	150	46.04	47.34	1.30	2.8	2.3
150	200	54.26	55.62	1.36	2.5	3.0
200	250	62.52	63.91	1.39	2.2	3.5
250	300	71.89	73.37	1.48	2.1	3.8
300	350	81.22	82.81	1.59	2.0	3.9
350	400	90.62	92.28	1.66	1.8	4.1
400	450	99.97	101.73	1.76	1.8	4.0
450	500	109.36	111.21	1.85	1.7	4.0
500	550	118.70	120.64	1.94	1.6	3.8
550	600	128.05	130.09	2.04	1.6	3.7
600	650	137.45	139.56	2.11	1.5	3.6
650	700	146.78	149.02	2.24	1.5	3.5
700	750	156.15	158.46	2.31	1.5	3.3
750	800	165.53	167.93	2.40	1.4	3.2
800	850	174.88	177.38	2.50	1.4	3.0
850	900	184.25	186.84	2.59	1.4	2.8
900	950	193.61	196.29	2.68	1.4	2.6
950	1,000	202.98	205.74	2.76	1.4	2.5
1,000	1,050	212.34	215.19	2.85	1.3	2.3
1,050	1,100	221.70	224.67	2.97	1.3	2.1
1,100	1,150	231.07	234.10	3.03	1.3	2.0
1,150	1,200	240.43	243.56	3.13	1.3	1.8
1,200	1,250	249.80	253.03	3.23	1.3	1.7
1,250	1,300	259.15	262.48	3.33	1.3	1.5
1,300	1,350	268.51	271.91	3.40	1.3	1.4
1,350	1,400	277.90	281.39	3.49	1.3	1.3
1,400	1,450	287.24	290.84	3.60	1.3	1.2
1,450	1,500	296.62	300.32	3.70	1.2	1.1
1,500	1,550	305.99	309.75	3.76	1.2	1.0
1,550	1,600	315.32	319.21	3.89	1.2	0.9
1,600	1,650	324.70	328.67	3.97	1.2	0.8
1,650	1,700	334.07	338.13	4.06	1.2	0.8
1,700	1,750	343.43	347.56	4.13	1.2	0.7
1,750	1,800	352.80	357.04	4.24	1.2	0.7
1,800	1,850	362.15	366.49	4.34	1.2	0.6
1,850	1,900	371.52	375.95	4.43	1.2	0.5
1,900	1,950	380.89	385.40	4.51	1.2	0.5
1,950	2,000	390.25	394.86	4.61	1.2	0.5
2,000	2,050	399.60	404.30	4.70	1.2	0.4
2,050	2,100	408.97	413.78	4.81	1.2	0.4
2,100	2,150	418.33	423.21	4.88	1.2	0.4
2,150	2,200	427.69	432.67	4.98	1.2	0.3
2,200	2,250	437.08	442.14	5.06	1.2	0.3
2,250	2,300	446.43	451.60	5.17	1.2	0.3
2,300	2,350	455.78	461.03	5.25	1.2	0.2
2,350	2,400	465.15	470.50	5.35	1.2	0.2
2,400	2,450	474.51	479.95	5.44	1.1	0.2
2,450	2,500	483.89	489.43	5.54	1.1	0.2

* The bills for each range are calculated at the upper band
(e.g., the impact shown for 0 - 50 kWh band is based on the 50 kWh).
** There are an additional 3% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Monthly Billing Comparison - Winter
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 1

Monthly Winter Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	Change		% of Bills in this Usage Range
				Amount	%	
Usage >	Usage ≤					
	50	\$29.53	\$30.79	\$1.26	4.3	10.9
50	100	37.78	39.09	1.31	3.5	2.3
100	150	46.04	47.34	1.30	2.8	4.2
150	200	54.26	55.62	1.36	2.5	5.2
200	250	62.52	63.91	1.39	2.2	5.6
250	300	70.77	72.19	1.42	2.0	5.9
300	350	79.00	80.46	1.46	1.8	6.0
350	400	87.27	88.75	1.48	1.7	5.8
400	450	95.51	97.03	1.52	1.6	5.6
450	500	103.77	105.32	1.55	1.5	5.3
500	550	111.99	113.58	1.59	1.4	4.8
550	600	120.24	121.86	1.62	1.3	4.3
600	650	128.50	130.15	1.65	1.3	3.9
650	700	136.74	138.43	1.69	1.2	3.4
700	750	144.99	146.70	1.71	1.2	3.0
750	800	153.25	154.99	1.74	1.1	2.7
800	850	161.48	163.27	1.79	1.1	2.4
850	900	169.72	171.54	1.82	1.1	2.1
900	950	177.98	179.82	1.84	1.0	1.8
950	1000	186.21	188.10	1.89	1.0	1.6
1000	1050	194.46	196.37	1.91	1.0	1.4
1050	1100	202.71	204.68	1.97	1.0	1.2
1100	1150	210.96	212.93	1.97	0.9	1.1
1150	1200	219.19	221.20	2.01	0.9	0.9
1200	1250	227.46	229.51	2.05	0.9	0.8
1250	1300	235.69	237.77	2.08	0.9	0.7
1300	1350	243.92	246.05	2.13	0.9	0.7
1350	1400	252.20	254.33	2.13	0.8	0.6
1400	1450	260.43	262.61	2.18	0.8	0.5
1450	1500	268.69	270.91	2.22	0.8	0.5
1500	1550	276.94	279.17	2.23	0.8	0.4
1550	1600	285.17	287.46	2.29	0.8	0.4
1600	1650	293.42	295.73	2.31	0.8	0.3
1650	1700	301.67	304.01	2.34	0.8	0.3
1700	1750	309.90	312.28	2.38	0.8	0.3
1750	1800	318.17	320.58	2.41	0.8	0.2
1800	1850	326.40	328.86	2.46	0.8	0.2
1850	1900	334.65	337.12	2.47	0.7	0.2
1900	1950	342.90	345.41	2.51	0.7	0.2
1950	2000	351.16	353.69	2.53	0.7	0.2
2000	2050	359.39	361.96	2.57	0.7	0.1
2050	2100	367.63	370.26	2.63	0.7	0.1
2100	2150	375.89	378.51	2.62	0.7	0.1
2150	2200	384.12	386.79	2.67	0.7	0.1
2200	2250	392.39	395.09	2.70	0.7	0.1
2250	2300	400.63	403.37	2.74	0.7	0.1
2300	2350	408.86	411.64	2.78	0.7	0.1
2350	2400	417.11	419.92	2.81	0.7	0.1
2400	2450	425.36	428.19	2.83	0.7	0.1
2450	2500	433.63	436.49	2.86	0.7	0.1

- * The bills for each range are calculated at the upper band
(e.g., the impact shown for 0 - 50 kWh band is based on the 50 kWh).
- ** There are an additional 1.2% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Impact of Proposed Rate Change on Total Revenue
For the Rate Year Twelve Months Ending December 31, 2023 (1)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

<u>Service Classification</u>	<u>Rate Year Billed Sales</u> (MWH)	<u>Customers</u>	<u>Revenue At Current Rates</u> (\$000s)	<u>Revenue At Proposed Rates</u> (\$000s)	<u>Change</u> (\$000s)	<u>Percent Change</u>
SC1	1,524,778	205,444	300,789	308,855	8,066	2.7%
SC19	<u>66,130</u>	<u>3,137</u>	<u>11,777</u>	<u>12,075</u>	<u>298</u>	<u>2.5%</u>
Total Res	1,590,908	208,581	312,566	320,930	8,364	2.7%
SC2 Sec	875,760	24,739	140,813	142,664	1,851	1.3%
SC2 Sec Heat	25,203	285	2,855	2,904	49	1.7%
SC2 Sec ND & UM	17,268	4,697	3,462	3,552	89	2.6%
SC20	<u>89,966</u>	<u>462</u>	<u>11,163</u>	<u>11,322</u>	<u>159</u>	<u>1.4%</u>
Total Secondary	1,008,197	30,182	158,294	160,442	2,148	1.4%
SC2 Pri	51,974	190	6,023	6,120	97	1.6%
SC3	313,553	261	36,933	37,245	312	0.9%
SC21	<u>33,886</u>	<u>27</u>	<u>4,060</u>	<u>4,113</u>	<u>53</u>	<u>1.3%</u>
Total Primary	399,413	478	47,016	47,478	462	1.0%
Total Sec & Pri	1,407,610	30,660	205,310	207,919	2,610	1.3%
SC9 (Commercial)	536,650	51	51,836	52,141	305	0.6%
SC22 (Industrial)	<u>294,690</u>	<u>33</u>	<u>28,804</u>	<u>28,979</u>	<u>175</u>	<u>0.6%</u>
Total SC9 & SC22	831,339	84	80,640	81,121	480	0.6%
SC4	10,339	66	3,020	3,115	95	3.1%
SC5	2,073	508	350	358	8	2.3%
SC6	3,162	0	458	463	5	1.1%
SC 16 -dusk-to-dawn	9,346	2,198	3,240	3,348	108	3.3%
SC 16 - energy only	2,538	434	502	514	12	2.4%
SC16 - Total	<u>11,884</u>	<u>2,632</u>	<u>3,742</u>	<u>3,862</u>	<u>120</u>	<u>3.2%</u>
Total Lighting	27,458	3,206	7,570	7,798	228	3.0%
Total	3,857,315	242,531	606,087	617,768	11,682	1.9%

Notes:

1. For comparison purposes, an estimated electric supply charge for retail access customers has been included in total revenues. This is equivalent, on a per unit basis, to the cost of electric supply included in full service customer revenues.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Calculation of Incremental Revenue Requirement for Rate Year 2

Based on Levelized Revenue Requirement

a. Incremental Revenue Requirement for Rate Year Including Gross Receipts/MTA Taxes (1)	\$11,675,285
b. Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>199,000</u>
c. Incremental Revenue Requirement for Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$11,476,285
d. Low Income Incremental Funding	\$358,756
e. Total Revenue Requirement + Low Income Incremental Funding	\$11,835,041
f. Rate Year Bundled Delivery Revenues	\$349,235,600
g. Rate Year Percentage Increase in Delivery Revenues (e / f)	3.38884%
h. Rate Year Overall Percentage Increase in Delivery Revenues Less Low Income Incremental Funding (c/f)	3.28612%

Note:

1. Twelve months ending December 31, 2023
2. GRT/MTA Gross Up Included in Rev Req = 1.71%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 2

Based on Levelized Revenue Requirement

Class	Bundled Rate Yr. Delivery Rev (\$)	Surplus/ Deficiency (\$)	Adj. Rate Yr. Delivery Revenue (\$)	Proposed Rate Yr. Incr. @ 3.38884% (\$)	Rate Yr. Bundled Delivery Rev. at 'Proposed Rate Level (\$)	Proposed RY Increase Incl. (Sur)/Def (\$)	Mitigation Adjustment	Adjusted Rate Yr. Increase Including Mitigation Adj	Rate Yr. Bundled %
SC1	203,791,400	3,850,329	207,641,729	7,036,646	214,678,375	10,886,975	(2,599,574)	8,287,401	4.1%
<u>SC19</u>	<u>7,193,600</u>	<u>27,000</u>	<u>7,220,600</u>	<u>244,695</u>	<u>7,465,295</u>	<u>271,695</u>	69,216	<u>292,536</u>	<u>4.1%</u>
Total Res	210,985,000	3,877,329	214,862,329	7,281,341	222,143,670	11,158,670	(2,530,358)	8,579,937	4.1%
SC2 Sec	80,232,746	(1,633,665)	78,599,081	2,663,597	81,262,678	1,029,932	753,445	1,812,050	2.3%
SC2 Sec Heating	1,146,393	147,667	1,294,059	43,854	1,337,913	191,521	(144,901)	46,620	4.1%
SC2 Sec ND	2,183,761	32,667	2,216,428	75,111	2,291,539	107,778	(18,973)	88,805	4.1%
<u>SC20</u>	<u>5,017,000</u>	<u>(61,000)</u>	<u>4,956,000</u>	<u>167,951</u>	<u>5,123,951</u>	<u>106,951</u>	47,508	<u>156,267</u>	<u>3.1%</u>
Total Sec	88,579,900	(1,514,332)	87,065,568	2,950,513	90,016,081	1,436,181	637,079	2,103,741	2.4%
SC2 Pri	2,438,300	(11,000)	2,427,300	82,257	2,509,557	71,257	23,268	95,410	3.9%
SC3	15,559,400	(795,333)	14,764,067	500,331	15,264,398	(295,002)	594,713	305,097	2.0%
<u>SC21</u>	<u>1,751,200</u>	<u>(23,333)</u>	<u>1,727,867</u>	<u>58,555</u>	<u>1,786,422</u>	<u>35,222</u>	16,563	<u>52,415</u>	<u>3.0%</u>
Total Pri	19,748,900	(829,666)	18,919,234	641,143	19,560,377	(188,523)	634,544	452,922	2.3%
Total Sec & Pri	108,328,800	(2,343,998)	105,984,802	3,591,656	109,576,458	1,247,658	1,271,623	2,556,663	2.4%
Total SC9 (Com)	15,501,000	(973,999)	14,527,001	492,297	15,019,298	(481,702)	778,548	302,146	1.9%
Total SC22 (Mfg)	<u>8,822,000</u>	<u>(648,666)</u>	<u>8,173,334</u>	<u>276,981</u>	<u>8,450,315</u>	<u>(371,685)</u>	539,723	<u>171,020</u>	<u>1.9%</u>
Total SC 9 & SC 22	24,323,000	(1,622,665)	22,700,335	769,278	23,469,613	(853,387)	1,318,271	473,166	1.9%
SC4	2,283,000	34,000	2,317,000	78,519	2,395,519	112,519	(19,678)	92,841	4.1%
SC5	206,000	17,667	223,667	7,580	231,247	25,247	(16,869)	8,378	4.1%
SC6	234,000	(24,000)	210,000	7,117	217,117	(16,883)	21,275	4,469	1.9%
SC 16 -dusk-to-dawn	2,577,000	29,667	2,606,667	88,336	2,695,003	118,003	(13,206)	104,797	4.1%
SC 16 - energy only	298,800	32,000	330,800	11,210	342,010	43,210	(31,059)	12,151	4.1%
<u>SC16 - Total</u>	<u>2,875,800</u>	<u>61,667</u>	<u>2,937,467</u>	<u>99,546</u>	<u>3,037,013</u>	<u>161,213</u>	<u>(44,265)</u>	<u>116,948</u>	<u>4.1%</u>
Total Lights	5,598,800	89,333	5,688,133	192,762	5,880,895	282,095	(59,537)	222,635	4.0%
Total	349,235,600	0	349,235,600	11,835,037	361,070,637	11,835,037	0	11,832,402	3.4%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Determination of Non-Competitive Delivery Revenue Increases for Rate Year 2

Based on Levelized Revenue Requirement

Incremental Competitive Service, Customer Charge, and RPDC Revenues

Class	Adj. Rate Yr. Incr. Incl. (Sur)/Def Incl. <u>Mitigation Adj./Incr</u>	MFC Supply <u>Related Rev</u>	MFC PP WC <u>Related Rev</u>	MFC Credit & Collections <u>Related Rev</u>	POR Credit & Collections <u>Related Rev</u>	Competitive Metering <u>Related Rev</u>	Customer <u>Charge Rev</u>	Reactive Power Demand <u>Charge Rev</u>	BPP <u>Charge Rev</u>	Total Rate Yr. Incremental Comp. <u>Services Rev</u>	Non- Competitive Rate Yr. Delivery <u>Revenue Incr</u>
	A	B	C	D	E	F	G	H	I	J = \sum (A to I)	K = A - J
	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
SC1	8,287,401	81,442	1,640	14,971	14,453	0	2,465,224	0	0	2,577,730	5,709,671
<u>SC19</u>	<u>292,536</u>	<u>2,778</u>	<u>56</u>	<u>511</u>	<u>623</u>	0	<u>53</u>	<u>0</u>	<u>0</u>	<u>4,020</u>	<u>288,516</u>
Total Res	8,579,937	84,220	1,696	15,482	15,076		2,465,277	0	0	2,581,750	5,998,187
SC2 Sec Dmd	1,812,050	3,751	554	(884)	6,189	0	593,732	0	0	603,342	1,208,708
SC2 Sec Heating	46,620	63	9	(15)	159	0	0	0	0	216	46,403
SC2 Sec ND	88,805	148	22	(35)	116	0	84,619	0	0	84,870	3,935
<u>SC20</u>	<u>156,267</u>	<u>150</u>	<u>22</u>	<u>(35)</u>	<u>254</u>	<u>0</u>	<u>(381)</u>	<u>0</u>	<u>0</u>	<u>10</u>	<u>156,257</u>
Total Sec	2,103,741	4,112	608	(969)	6,718	0	677,970	0	0	688,439	1,415,303
SC2 Pri	95,410	(334)	36	(57)	280	0	4,522	0	0	4,447	90,963
SC3	305,097	(631)	68	(108)	1,134	0	(62,680)	0	0	(62,217)	367,315
<u>SC21</u>	<u>52,415</u>	<u>(24)</u>	<u>3</u>	<u>(4)</u>	<u>33</u>	<u>0</u>	<u>(9,828)</u>	<u>0</u>	<u>0</u>	<u>(9,820)</u>	<u>62,235</u>
Total Pri	452,922	(989)	106	(169)	1,447	0	(67,986)	0	0	(67,591)	520,513
Total Sec & Pri	2,556,663	3,123	714	(1,138)	8,165	0	609,984	0	0	620,847	1,935,816
Total SC9 (Com)	302,146	(1,381)	148	(236)	1,154	0	0	0	0	(315)	302,461
Total SC22 (Mfg)	171,020	(959)	103	(164)	897	0	0	0	0	(124)	171,144
Total SC 9 & SC 22	473,166	(2,340)	251	(400)	2,051	0	0	0	0	(438)	473,604
SC4	92,841	17	3	(4)	78	0	0	0	0	94	92,747
SC5	8,378	5	1	(1)	17	0	0	0	0	22	8,356
SC6	4,469	32	5	(7)	29	0	576	0	0	634	3,835
SC 16 -dusk-to-dawn	104,797	88	13	(21)	84	0	0	0	0	164	104,633
SC 16 - energy only	12,151	23	4	(6)	21	0	1,332	0	0	1,374	10,777
<u>SC16 - Total</u>	<u>116,948</u>	<u>111</u>	<u>17</u>	<u>(27)</u>	<u>105</u>	<u>0</u>	<u>1,332</u>	<u>0</u>	<u>0</u>	<u>1,537</u>	<u>115,411</u>
Total Lights	222,635	164	24	(39)	229	0	1,908	0	0	2,287	220,349
Total	11,832,402	85,167	2,685	13,905	25,521	0	3,077,169	0	0	3,204,446	8,627,956

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Monthly Billing Comparison - Summer
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 2

Monthly Summer Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	Change		% of Bills in this Usage Range
				Amount	%	
Usage >	Usage ≤					
	50	\$30.71	\$31.92	\$1.21	3.9	8.3
50	100	38.93	40.33	1.40	3.6	1.6
100	150	47.11	48.71	1.60	3.4	2.3
150	200	55.31	57.09	1.78	3.2	3.0
200	250	63.52	65.50	1.98	3.1	3.5
250	300	72.91	75.11	2.20	3.0	3.8
300	350	82.28	84.71	2.43	3.0	3.9
350	400	91.66	94.32	2.66	2.9	4.1
400	450	101.04	103.94	2.90	2.9	4.0
450	500	110.42	113.56	3.14	2.8	4.0
500	550	119.79	123.16	3.37	2.8	3.8
550	600	129.17	132.78	3.61	2.8	3.7
600	650	138.56	142.40	3.84	2.8	3.6
650	700	147.93	152.00	4.07	2.8	3.5
700	750	157.32	161.64	4.32	2.7	3.3
750	800	166.70	171.25	4.55	2.7	3.2
800	850	176.05	180.84	4.79	2.7	3.0
850	900	185.44	190.44	5.00	2.7	2.8
900	950	194.84	200.08	5.24	2.7	2.6
950	1,000	204.20	209.69	5.49	2.7	2.5
1,000	1,050	213.57	219.30	5.73	2.7	2.3
1,050	1,100	222.98	228.94	5.96	2.7	2.1
1,100	1,150	232.33	238.52	6.19	2.7	2.0
1,150	1,200	241.70	248.12	6.42	2.7	1.8
1,200	1,250	251.10	257.76	6.66	2.7	1.7
1,250	1,300	260.48	267.37	6.89	2.6	1.5
1,300	1,350	269.85	276.98	7.13	2.6	1.4
1,350	1,400	279.23	286.59	7.36	2.6	1.3
1,400	1,450	288.61	296.21	7.60	2.6	1.2
1,450	1,500	298.00	305.82	7.82	2.6	1.1
1,500	1,550	307.36	315.43	8.07	2.6	1.0
1,550	1,600	316.74	325.05	8.31	2.6	0.9
1,600	1,650	326.13	334.66	8.53	2.6	0.8
1,650	1,700	335.52	344.27	8.75	2.6	0.8
1,700	1,750	344.88	353.89	9.01	2.6	0.7
1,750	1,800	354.26	363.50	9.24	2.6	0.7
1,800	1,850	363.64	373.11	9.47	2.6	0.6
1,850	1,900	373.01	382.71	9.70	2.6	0.5
1,900	1,950	382.40	392.34	9.94	2.6	0.5
1,950	2,000	391.77	401.94	10.17	2.6	0.5
2,000	2,050	401.15	411.55	10.40	2.6	0.4
2,050	2,100	410.55	421.20	10.65	2.6	0.4
2,100	2,150	419.90	430.79	10.89	2.6	0.4
2,150	2,200	429.28	440.38	11.10	2.6	0.3
2,200	2,250	438.67	450.02	11.35	2.6	0.3
2,250	2,300	448.05	459.62	11.57	2.6	0.3
2,300	2,350	457.42	469.23	11.81	2.6	0.2
2,350	2,400	466.81	478.86	12.05	2.6	0.2
2,400	2,450	476.17	488.46	12.29	2.6	0.2
2,450	2,500	485.57	498.08	12.51	2.6	0.2

* The bills for each range are calculated at the upper band
(e.g., the impact shown for the 0 - 50 kWh band is based on the 50 kWh)

** There are an additional 3% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Monthly Billing Comparison - Winter
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 2

Monthly Winter Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	Change		% of Bills in this Usage Range
				Amount	%	
Usage >	Usage ≤					
	50	\$30.71	\$31.92	\$1.21	3.9	10.9
50	100	38.93	40.33	1.40	3.6	2.3
100	150	47.11	48.71	1.60	3.4	4.2
150	200	55.31	57.09	1.78	3.2	5.2
200	250	63.52	65.50	1.98	3.1	5.6
250	300	71.73	73.87	2.14	3.0	5.9
300	350	79.93	82.27	2.34	2.9	6.0
350	400	88.13	90.65	2.52	2.9	5.8
400	450	96.33	99.07	2.74	2.8	5.6
450	500	104.54	107.44	2.90	2.8	5.3
500	550	112.73	115.83	3.10	2.7	4.8
550	600	120.94	124.23	3.29	2.7	4.3
600	650	129.15	132.64	3.49	2.7	3.9
650	700	137.34	141.00	3.66	2.7	3.4
700	750	145.55	149.42	3.87	2.7	3.0
750	800	153.77	157.81	4.04	2.6	2.7
800	850	161.94	166.18	4.24	2.6	2.4
850	900	170.15	174.56	4.41	2.6	2.1
900	950	178.36	182.97	4.61	2.6	1.8
950	1000	186.56	191.36	4.80	2.6	1.6
1000	1050	194.76	199.74	4.98	2.6	1.4
1050	1100	202.98	208.16	5.18	2.6	1.2
1100	1150	211.15	216.52	5.37	2.5	1.1
1150	1200	219.36	224.92	5.56	2.5	0.9
1200	1250	227.58	233.33	5.75	2.5	0.8
1250	1300	235.77	241.71	5.94	2.5	0.7
1300	1350	243.98	250.09	6.11	2.5	0.7
1350	1400	252.18	258.50	6.32	2.5	0.6
1400	1450	260.37	266.89	6.52	2.5	0.5
1450	1500	268.59	275.28	6.69	2.5	0.5
1500	1550	276.78	283.66	6.88	2.5	0.4
1550	1600	285.00	292.06	7.06	2.5	0.4
1600	1650	293.19	300.45	7.26	2.5	0.3
1650	1700	301.40	308.84	7.44	2.5	0.3
1700	1750	309.60	317.24	7.64	2.5	0.3
1750	1800	317.80	325.63	7.83	2.5	0.2
1800	1850	326.00	334.01	8.01	2.5	0.2
1850	1900	334.19	342.38	8.19	2.5	0.2
1900	1950	342.41	350.81	8.40	2.5	0.2
1950	2000	350.60	359.18	8.58	2.4	0.2
2000	2050	358.80	367.56	8.76	2.4	0.1
2050	2100	367.03	375.98	8.95	2.4	0.1
2100	2150	375.20	384.35	9.15	2.4	0.1
2150	2200	383.41	392.74	9.33	2.4	0.1
2200	2250	391.62	401.15	9.53	2.4	0.1
2250	2300	399.83	409.53	9.70	2.4	0.1
2300	2350	408.02	417.92	9.90	2.4	0.1
2350	2400	416.22	426.32	10.10	2.4	0.1
2400	2450	424.42	434.70	10.28	2.4	0.1
2450	2500	432.63	443.10	10.47	2.4	0.1

* The bills for each range are calculated at the upper band
(e.g., the impact shown for the 0 - 50 kWh band is based on the 50 kWh)

** There are an additional 1.2% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Impact of Proposed Rate Change on Total Revenue
For the Rate Year Twelve Months Ending December 31, 2023 (1) (2)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

<u>Service Classification</u>	<u>Rate Year Billed Sales</u> (MWH)	<u>Customers</u>	<u>Revenue At Current Rates</u> (\$000s)	<u>Revenue At Proposed Rates</u> (\$000s)	<u>Change</u> (\$000s)	<u>Percent Change</u>
SC1	1,503,693	207,271	301,808	310,991	9,183	3.0%
<u>SC19</u>	<u>65,196</u>	<u>3,077</u>	<u>11,742</u>	<u>12,069</u>	<u>327</u>	<u>2.8%</u>
Total Res	1,568,889	210,348	313,550	323,059	9,510	3.0%
SC2 Sec	880,897	25,061	141,297	142,853	1,555	1.1%
SC2 Sec Heat	25,423	273	2,859	2,913	55	1.9%
SC2 Sec ND & UM	17,250	4,698	3,514	3,617	103	2.9%
<u>SC20</u>	<u>90,573</u>	<u>463</u>	<u>11,149</u>	<u>11,292</u>	<u>142</u>	<u>1.3%</u>
Total Secondary	1,014,143	30,494	158,820	160,675	1,856	1.2%
SC2 Pri	52,266	194	6,063	6,155	93	1.5%
SC3	305,242	261	35,437	35,414	(22)	-0.1%
<u>SC21</u>	<u>32,989</u>	<u>27</u>	<u>3,910</u>	<u>3,956</u>	<u>46</u>	<u>1.2%</u>
Total Primary	390,497	482	45,410	45,526	116	0.3%
Total Sec & Pri	1,404,639	30,976	204,230	206,201	1,972	1.0%
SC9 (Commercial)	533,153	51	50,343	50,315	(27)	-0.1%
<u>SC22 (Industrial)</u>	<u>286,955</u>	<u>33</u>	<u>27,458</u>	<u>27,443</u>	<u>(15)</u>	<u>-0.1%</u>
Total SC9 & SC22	820,108	84	77,801	77,758	(43)	-0.1%
SC4	10,225	66	3,042	3,148	106	3.5%
SC5	2,049	508	347	357	10	2.9%
SC6	3,127	0	445	445	0	0.0%
SC 16 -dusk-to-dawn	9,246	2,175	3,168	3,285	117	3.7%
SC 16 - energy only	2,508	436	494	507	13	2.7%
<u>SC16 - Total</u>	<u>11,754</u>	<u>2,611</u>	<u>3,662</u>	<u>3,792</u>	<u>130</u>	<u>3.6%</u>
Total Lighting	27,156	3,185	7,496	7,742	246	3.3%
Total	3,820,792	244,593	603,076	614,761	11,685	1.9%

Notes:

1. For comparison purposes, an estimated electric supply charge for retail access customers has been included in total revenues. This is equivalent, on a per unit basis, to the cost of electric supply included in full service customer revenues.
2. Revenue at proposed rates includes the RY3 temporary credit.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Calculation of Incremental Revenue Requirement for Rate Year 3

Based on Levelized Revenue Requirement

a. Incremental Revenue Requirement for Rate Year Including Gross Receipts/MTA Taxes (1)	\$20,875,640
b. Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>356,000</u>
c. Incremental Revenue Requirement for Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$20,519,640
d. Low Income Incremental Funding	\$371,640
e. Total Revenue Requirement + Low Income Incremental Funding	\$20,891,280
f. Rate Year Bundled Delivery Revenues	\$359,042,800
g. Rate Year Percentage Increase in Delivery Revenues (e / f)	5.81860%
h. Rate Year Overall Percentage Increase in Delivery Revenues Less Low Income Incremental Funding (c/f)	5.71510%

Note:

1. Twelve months ending December 31, 2024
2. GRT/MTA Gross Up Included in Rev Req = 1.71%

ORANGE AND ROCKLAND UTILITIES, INC.

Case No. 21-E-0074

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 3

Based on Levelized Revenue Requirement

Class	Bundled Rate Yr. Delivery Rev (\$)	Surplus/ Deficiency (\$)	Adj. Rate Yr. Delivery Revenue (\$)	Proposed Rate Yr. Incr. @ 5.8186% (\$)	Rate Yr. Bundled Delivery Rev. at 'Proposed Rate Level (\$)	Proposed RY Increase Incl. (Sur)/Def (\$)	Mitigation Adjustment	Adjusted Rate Yr. Increase Including Mitigation Adj	Rate Yr. Bundled %
SC1	210,424,000	3,850,329	214,274,329	12,467,766	226,742,095	16,318,095	(1,625,618)	14,692,477	7.0%
<u>SC19</u>	<u>7,390,500</u>	<u>27,000</u>	<u>7,417,500</u>	<u>431,595</u>	<u>7,849,095</u>	<u>458,595</u>	48,286	<u>506,881</u>	<u>6.9%</u>
Total Res	217,814,500	3,877,329	221,691,829	12,899,361	234,591,190	16,776,690	(1,577,332)	15,199,358	7.0%
SC2 Sec	82,684,635	(1,633,665)	81,050,970	4,716,032	85,767,002	3,082,367	527,616	3,609,983	4.4%
SC2 Sec Heating	1,201,619	147,667	1,349,286	78,510	1,427,796	226,177	(142,276)	83,901	7.0%
SC2 Sec ND	2,280,746	32,667	2,313,412	134,608	2,448,020	167,275	(8,026)	159,249	7.0%
<u>SC20</u>	<u>5,202,000</u>	<u>(61,000)</u>	<u>5,141,000</u>	<u>299,134</u>	<u>5,440,134</u>	<u>238,134</u>	33,466	<u>271,600</u>	<u>5.2%</u>
Total Sec	91,369,000	(1,514,332)	89,854,668	5,228,284	95,082,952	3,713,952	410,780	4,124,732	4.5%
SC2 Pri	2,610,600	(11,000)	2,599,600	151,260	2,750,860	140,260	16,923	157,183	6.0%
SC3	15,442,900	(795,333)	14,647,567	852,283	15,499,850	56,950	307,969	364,919	2.4%
<u>SC21</u>	<u>1,750,600</u>	<u>(23,333)</u>	<u>1,727,267</u>	<u>100,503</u>	<u>1,827,770</u>	<u>77,170</u>	11,244	<u>88,414</u>	<u>5.1%</u>
Total Pri	19,804,100	(829,666)	18,974,434	1,104,046	20,078,480	274,380	336,136	610,516	3.1%
Total Sec & Pri	111,173,100	(2,343,998)	108,829,102	6,332,330	115,161,432	3,988,332	746,916	4,735,248	4.3%
Total SC9 (Com)	15,661,000	(973,999)	14,687,001	854,578	15,541,579	(119,421)	488,404	368,983	2.4%
Total SC22 (Mfg)	<u>8,774,000</u>	<u>(648,666)</u>	<u>8,125,334</u>	<u>472,781</u>	<u>8,598,115</u>	<u>(175,885)</u>	381,935	<u>206,050</u>	<u>2.3%</u>
Total SC 9 & SC 22	24,435,000	(1,622,665)	22,812,335	1,327,359	24,139,694	(295,306)	870,339	575,033	2.4%
SC4	2,338,000	34,000	2,372,000	138,017	2,510,017	172,017	(8,770)	163,247	7.0%
SC5	211,000	17,667	228,667	13,305	241,972	30,972	(16,239)	14,733	7.0%
SC6	232,000	(24,000)	208,000	12,103	220,103	(11,897)	17,301	5,404	2.3%
SC 16 -dusk-to-dawn	2,538,000	29,667	2,567,667	149,402	2,717,069	179,069	(1,857)	177,212	7.0%
SC 16 - energy only	301,200	32,000	333,200	19,388	352,588	51,388	(30,357)	21,031	7.0%
<u>SC16 - Total</u>	<u>2,839,200</u>	<u>61,667</u>	<u>2,900,867</u>	<u>168,790</u>	<u>3,069,657</u>	<u>230,457</u>	<u>(32,214)</u>	<u>198,243</u>	<u>7.0%</u>
Total Lights	5,620,200	89,333	5,709,533	332,215	6,041,748	421,548	(39,922)	381,626	6.8%
Total	359,042,800	0	359,042,800	20,891,265	379,934,065	20,891,265	0	20,891,266	5.8%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

Determination of Non-Competitive Delivery Revenue Increase for Rate Year 3

Based on Levelized Revenue Requirement

Incremental Competitive Service, Customer Charge, and RPDC Revenues

Class	Adj. Rate Yr. Incr. Incl. (Sur)/Def Incl. Mitigation Adj./Incr	MFC Supply Related Rev	MFC PP WC Related Rev	MFC Credit & Collections Related Rev	POR Credit & Collections Related Rev	Competitive Metering Related Rev	Customer Charge Rev	Reactive Power Demand Charge Rev	BPP Charge Rev	Total Rate Yr. Incremental Comp. Services Rev	Non- Competitive Rate Yr. Delivery Revenue Incr
	A (\$)	B (\$)	C (\$)	D (\$)	E (\$)	F (\$)	G (\$)	H (\$)	I (\$)	J = \sum (A to I) (\$)	K = A - J (\$)
SC1	14,692,477	94,504	2,272	24,785	14,850	0	1,243,548	0	0	1,379,959	13,312,519
SC19	<u>506,881</u>	<u>3,266</u>	<u>79</u>	<u>857</u>	<u>756</u>	0	<u>(22)</u>	<u>0</u>	<u>0</u>	<u>4,936</u>	<u>501,945</u>
Total Res	15,199,358	97,770	2,351	25,642	15,606		1,243,526	0	0	1,384,895	13,814,464
SC2 Sec Dmd	3,609,983	6,033	783	(305)	7,710	0	601,464	(0)	0	615,685	2,994,298
SC2 Sec Heating	83,901	101	14	(6)	241	0	0	0	0	350	83,551
SC2 Sec ND	159,249	239	31	(12)	43	0	84,513	0	0	84,815	74,434
SC20	<u>271,600</u>	<u>244</u>	<u>32</u>	<u>(12)</u>	<u>320</u>	<u>0</u>	<u>128</u>	<u>0</u>	<u>0</u>	<u>713</u>	<u>270,887</u>
Total Sec	4,124,732	6,617	860	(335)	8,314	0	686,105	(0)	0	701,562	3,423,171
SC2 Pri	157,183	(185)	52	(213)	255	0	4,760	0	0	4,669	152,514
SC3	364,919	(338)	93	(390)	1,643	0	(62,860)	0	0	(61,851)	426,771
SC21	<u>88,414</u>	<u>(13)</u>	<u>3</u>	<u>(14)</u>	<u>43</u>	<u>0</u>	<u>(9,948)</u>	<u>(0)</u>	<u>0</u>	<u>(9,928)</u>	<u>98,342</u>
Total Pri	610,516	(535)	149	(617)	1,941	0	(68,048)	0	0	(67,110)	677,626
Total Sec & Pri	4,735,248	6,082	1,009	(952)	10,255	0	618,057	0	0	634,451	4,100,797
Total SC9 (Com)	368,983	(795)	220	(917)	1,025	0	0	(0)	0	(467)	369,450
Total SC22 (Mfg)	206,050	(515)	143	(593)	887	0	0	(0)	0	(78)	206,128
Total SC 9 & SC 22	575,033	(1,309)	363	(1,510)	1,912	0	0	(1)	0	(545)	575,578
SC4	163,247	27	3	(1)	135	0	0	0	0	164	163,082
SC5	14,733	8	1	0	26	0	0	0	0	35	14,698
SC6	5,404	50	6	(2)	20	0	576	0	0	650	4,754
SC 16 -dusk-to-dawn	177,212	141	17	(7)	55	0	0	0	(0)	206	177,005
SC 16 - energy only	21,031	38	5	(2)	12	0	432	0	(3)	482	20,549
SC16 - Total	<u>198,243</u>	<u>179</u>	<u>23</u>	<u>(9)</u>	<u>67</u>	<u>0</u>	<u>432</u>	<u>0</u>	<u>(3)</u>	<u>688</u>	<u>197,554</u>
Total Lights	381,626	264	33	(12)	248	0	1,008	0	(3)	1,538	380,088
Total	20,891,266	102,807	3,756	23,168	28,021	0	1,862,591	(1)	(3)	2,020,339	18,870,927

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Monthly Billing Comparison - Summer
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 3

Monthly Summer Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	<u>Change</u> <u>Amount</u>	<u>%</u>	<u>% of Bills in this</u> <u>Usage Range</u>
Usage >	Usage ≤					
	50	\$31.79	\$32.55	\$0.76	2.4	8.3
50	100	40.05	41.09	1.04	2.6	1.6
100	150	48.29	49.58	1.29	2.7	2.3
150	200	56.54	58.10	1.56	2.8	3.0
200	250	64.81	66.61	1.80	2.8	3.5
250	300	74.30	76.45	2.15	2.9	3.8
300	350	83.77	86.30	2.53	3.0	3.9
350	400	93.25	96.15	2.90	3.1	4.1
400	450	102.71	105.99	3.28	3.2	4.0
450	500	112.20	115.84	3.64	3.2	4.0
500	550	121.67	125.66	3.99	3.3	3.8
550	600	131.15	135.51	4.36	3.3	3.7
600	650	140.63	145.36	4.73	3.4	3.6
650	700	150.10	155.19	5.09	3.4	3.5
700	750	159.58	165.03	5.45	3.4	3.3
750	800	169.07	174.88	5.81	3.4	3.2
800	850	178.54	184.73	6.19	3.5	3.0
850	900	188.00	194.55	6.55	3.5	2.8
900	950	197.49	204.40	6.91	3.5	2.6
950	1,000	206.97	214.24	7.27	3.5	2.5
1,000	1,050	216.45	224.08	7.63	3.5	2.3
1,050	1,100	225.93	233.94	8.01	3.5	2.1
1,100	1,150	235.40	243.78	8.38	3.6	2.0
1,150	1,200	244.87	253.62	8.75	3.6	1.8
1,200	1,250	254.34	263.45	9.11	3.6	1.7
1,250	1,300	263.84	273.28	9.44	3.6	1.5
1,300	1,350	273.31	283.13	9.82	3.6	1.4
1,350	1,400	282.79	292.98	10.19	3.6	1.3
1,400	1,450	292.27	302.83	10.56	3.6	1.2
1,450	1,500	301.75	312.67	10.92	3.6	1.1
1,500	1,550	311.22	322.51	11.29	3.6	1.0
1,550	1,600	320.69	332.36	11.67	3.6	0.9
1,600	1,650	330.17	342.20	12.03	3.6	0.8
1,650	1,700	339.65	352.03	12.38	3.6	0.8
1,700	1,750	349.12	361.86	12.74	3.6	0.7
1,750	1,800	358.61	371.71	13.10	3.7	0.7
1,800	1,850	368.08	381.56	13.48	3.7	0.6
1,850	1,900	377.55	391.40	13.85	3.7	0.5
1,900	1,950	387.04	401.26	14.22	3.7	0.5
1,950	2,000	396.52	411.09	14.57	3.7	0.5
2,000	2,050	405.99	420.92	14.93	3.7	0.4
2,050	2,100	415.48	430.77	15.29	3.7	0.4
2,100	2,150	424.94	440.61	15.67	3.7	0.4
2,150	2,200	434.41	450.46	16.05	3.7	0.3
2,200	2,250	443.90	460.30	16.40	3.7	0.3
2,250	2,300	453.37	470.13	16.76	3.7	0.3
2,300	2,350	462.86	479.97	17.11	3.7	0.2
2,350	2,400	472.33	489.82	17.49	3.7	0.2
2,400	2,450	481.81	499.67	17.86	3.7	0.2
2,450	2,500	491.30	509.51	18.21	3.7	0.2

* The bills for each range are calculated at the upper band
(e.g., the impact shown for the 0 - 50 kWh band is based on the 50 kWh)
** There are an additional 3% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Monthly Billing Comparison - Winter
Reflecting Proposed Rate Change**

SC No. 1 Residential

Based on Levelized Revenue Requirement for Rate Year 3

Monthly Summer Usage (kWh)		Bill at Present Rates	Bill at Proposed Rates	<u>Change</u> <u>Amount</u>	%	% of Bills in this <u>Usage Range</u>
Usage >	Usage ≤					
	50	\$31.79	\$32.55	\$0.76	2.4	10.9
50	100	40.05	41.09	1.04	2.6	2.3
100	150	48.29	49.58	1.29	2.7	4.2
150	200	56.54	58.10	1.56	2.8	5.2
200	250	64.81	66.61	1.80	2.8	5.6
250	300	73.06	75.12	2.06	2.8	5.9
300	350	81.33	83.64	2.31	2.8	6.0
350	400	89.58	92.16	2.58	2.9	5.8
400	450	97.83	100.67	2.84	2.9	5.6
450	500	106.09	109.19	3.10	2.9	5.3
500	550	114.35	117.69	3.34	2.9	4.8
550	600	122.59	126.21	3.62	3.0	4.3
600	650	130.86	134.73	3.87	3.0	3.9
650	700	139.10	143.23	4.13	3.0	3.4
700	750	147.36	151.75	4.39	3.0	3.0
750	800	155.63	160.27	4.64	3.0	2.7
800	850	163.88	168.79	4.91	3.0	2.4
850	900	172.13	177.28	5.15	3.0	2.1
900	950	180.37	185.80	5.43	3.0	1.8
950	1000	188.64	194.30	5.66	3.0	1.6
1000	1050	196.89	202.82	5.93	3.0	1.4
1050	1100	205.16	211.34	6.18	3.0	1.2
1100	1150	213.40	219.85	6.45	3.0	1.1
1150	1200	221.67	228.38	6.71	3.0	0.9
1200	1250	229.91	236.87	6.96	3.0	0.8
1250	1300	238.18	245.39	7.21	3.0	0.7
1300	1350	246.43	253.90	7.47	3.0	0.7
1350	1400	254.70	262.42	7.72	3.0	0.6
1400	1450	262.94	270.93	7.99	3.0	0.5
1450	1500	271.20	279.46	8.26	3.0	0.5
1500	1550	279.46	287.96	8.50	3.0	0.4
1550	1600	287.70	296.48	8.78	3.1	0.4
1600	1650	295.96	304.98	9.02	3.0	0.3
1650	1700	304.21	313.50	9.29	3.1	0.3
1700	1750	312.47	322.00	9.53	3.0	0.3
1750	1800	320.72	330.52	9.80	3.1	0.2
1800	1850	329.00	339.05	10.05	3.1	0.2
1850	1900	337.24	347.55	10.31	3.1	0.2
1900	1950	345.51	356.08	10.57	3.1	0.2
1950	2000	353.75	364.58	10.83	3.1	0.2
2000	2050	362.00	373.08	11.08	3.1	0.1
2050	2100	370.26	381.60	11.34	3.1	0.1
2100	2150	378.51	390.11	11.60	3.1	0.1
2150	2200	386.77	398.64	11.87	3.1	0.1
2200	2250	395.04	407.16	12.12	3.1	0.1
2250	2300	403.28	415.65	12.37	3.1	0.1
2300	2350	411.53	424.16	12.63	3.1	0.1
2350	2400	419.80	432.67	12.87	3.1	0.1
2400	2450	428.04	441.20	13.16	3.1	0.1
2450	2500	436.32	449.73	13.41	3.1	0.1

- * The bills for each range are calculated at the upper band
(e.g., the impact shown for the 0 - 50 kWh band is based on the 50 kWh)
- ** There are an additional 1.2% of customers with usage above 2,500 kWh.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Temporary Credit to be Refunded through
Energy Cost Adjustment in Rate Year 3**

Class	Bundled Rate Yr. 3 Delivery Rev. (1) (\$)	Rate Yr. 3 Incr. -2.51875% (\$)	Rate Yr. 3 Sales (MWh)	Temporary ECA Credit (\$/kWh)
SC1	210,424,000	(5,300,055)	1,503,693	(0.00352)
<u>SC19</u>	<u>7,390,500</u>	<u>(186,148)</u>	<u>65,196</u>	<u>(0.00286)</u>
Total Res	217,814,500	(5,486,203)	1,568,889	
SC2 Sec	82,684,635	(2,082,619)	880,897	(0.00236)
SC2 Sec Heating	1,201,619	(30,266)	25,423	(0.00119)
SC2 Sec ND & UM	2,280,746	(57,446)	17,250	(0.00333)
<u>SC20</u>	<u>5,202,000</u>	<u>(131,025)</u>	<u>90,573</u>	<u>(0.00145)</u>
Total Sec	91,369,000	(2,301,356)	1,014,143	
SC2 Pri	2,610,600	(65,754)	52,266	(0.00126)
SC3	15,442,900	(388,968)	305,242	(0.00127)
<u>SC21</u>	<u>1,750,600</u>	<u>(44,093)</u>	<u>32,989</u>	<u>(0.00134)</u>
Total Pri	19,804,100	(498,815)	390,497	
Total Sec & Pri	111,173,100	(2,800,171)	1,404,639	
Total SC9 (Com)	15,661,000	(394,461)	533,153	(0.00074)
Total SC22 (Mfg)	<u>8,774,000</u>	<u>(220,995)</u>	<u>286,955</u>	<u>(0.00077)</u>
* Includes SC25 Rate IV				
Total SC 9 & SC 22	24,435,000	(615,456)	820,108	
SC4	2,338,000	(58,888)	10,225	(0.00576)
SC5	211,000	(5,315)	2,049	(0.00259)
SC6	232,000	(5,844)	3,127	(0.00187)
SC 16 -dusk-to-dawn	2,538,000	(63,926)	9,246	(0.00691)
SC 16 - energy only	301,200	(7,586)	2,508	(0.00302)
<u>SC16 - Total</u>	<u>2,839,200</u>	<u>(71,512)</u>	<u>11,754</u>	
Total Lights	5,620,200	(135,715)	27,156	
Total	359,042,800	(9,037,545)	3,820,792	
Notes:				
RY 3 ECA Increase		(\$9,200,355)		
Revenue Taxes		<u>(156,954)</u>		
Increase Less Revenue Taxes		(9,043,401)		
RY 3 Delivery Revenues		359,042,800		
% Decrease		-2.51875%		

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-E-0074

**Summary of MFC Monthly Targets
For Rates Effective January 1, 2022, January 1, 2023 and January 1, 2024**

Based on Levelized Revenue Requirement

<u>For Rates Effective January 1, 2022</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	Total
Supply Related Component*	\$238,115	\$214,583	\$188,287	\$183,312	\$172,210	\$208,048	\$295,125	\$313,541	\$267,691	\$201,477	\$179,903	\$209,630	\$2,671,922
Credit and Collections Related Component	45,883	41,194	35,800	34,735	32,583	39,703	57,442	61,223	51,761	38,323	33,884	39,958	512,489
POR Discount Related Component	<u>37,926</u>	<u>34,444</u>	<u>31,324</u>	<u>30,675</u>	<u>28,940</u>	<u>33,706</u>	<u>45,704</u>	<u>48,486</u>	<u>42,453</u>	<u>33,516</u>	<u>30,527</u>	<u>34,515</u>	<u>432,216</u>
Total	\$321,924	\$290,221	\$255,411	\$248,722	\$233,733	\$281,457	\$398,271	\$423,250	\$361,905	\$273,316	\$244,314	\$284,103	\$3,616,627
<u>For Rates Effective January 1, 2023</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	Total
Supply Related Component*	\$242,894	\$218,297	\$191,285	\$190,952	\$179,214	\$217,236	\$303,700	\$322,731	\$275,507	\$208,658	\$186,803	\$217,535	\$2,754,812
Credit and Collections Related Component	46,871	41,977	36,397	36,315	34,028	41,610	59,330	63,271	53,425	39,862	35,258	41,649	529,993
POR Discount Related Component	<u>39,718</u>	<u>36,010</u>	<u>32,721</u>	<u>32,623</u>	<u>30,728</u>	<u>35,873</u>	<u>47,972</u>	<u>50,925</u>	<u>44,532</u>	<u>35,445</u>	<u>32,268</u>	<u>36,557</u>	<u>455,372</u>
Total	\$329,483	\$296,284	\$260,403	\$259,890	\$243,970	\$294,719	\$411,002	\$436,927	\$373,464	\$283,965	\$254,329	\$295,741	\$3,740,177
<u>For Rates Effective January 1, 2024</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	Total
Supply Related Component*	\$254,846	\$228,895	\$200,399	\$199,779	\$187,258	\$227,345	\$315,785	\$336,150	\$286,633	\$211,546	\$189,322	\$221,814	\$2,859,772
Credit and Collections Related Component	49,408	44,189	38,255	38,144	35,670	43,683	62,048	66,245	55,892	40,570	35,938	42,612	552,654
POR Discount Related Component	<u>42,623</u>	<u>38,576</u>	<u>34,984</u>	<u>34,959</u>	<u>32,872</u>	<u>38,409</u>	<u>51,143</u>	<u>54,338</u>	<u>47,467</u>	<u>36,933</u>	<u>33,676</u>	<u>38,217</u>	<u>484,197</u>
Total	\$346,877	\$311,660	\$273,638	\$272,882	\$255,800	\$309,437	\$428,976	\$456,733	\$389,992	\$289,049	\$258,936	\$302,643	\$3,896,623

* MFC Supply Related Component Includes purchased power working capital.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 1

			Present		Proposed	
			<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:	per month		\$19.50	\$19.50	\$20.50	\$20.50
Delivery Charges:						
First 250 kWh	¢ per kWh		8.711	8.711	9.176	9.176
Over 250 kWh	¢ per kWh		10.894	8.711	11.475	9.176
Minimum Charge:						
Monthly*	monthly		\$19.50		\$20.50	
Per Contract	per contract		117.00		123.00	
Merchant Function Charge						
Supply Related	¢ per kWh		0.339		0.166	
Purch Pwr Wrking Cap	¢ per kWh		0.057		0.052	
Credit & Collections	¢ per kWh		0.062		0.046	
Uncollectibles	¢ per kWh		Variable		Variable	
Plus:			Plus:			
Energy Cost Adjustment			Please refer to Present Rates			
System Benefits Charge			"			
Renewable Portfolio Standard Charge			"			
Transition Adjustment for Competitive Services			"			
Revenue Decoupling Mechanism Adjustment			"			
Increase in Rates and Charges			"			
Market Supply Charge			"			
Billing and Payment Processing Charge			\$1.30		\$1.50	

* Plus any applicable billing and payment processing charges.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 2 Secondary - Non-Demand Billed Customers

				Present		Proposed	
				<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:							
Metered Service	per month		\$18.00	\$18.00		\$20.00	\$20.00
Unmetered Service	per month		17.00	17.00		18.00	18.00
Delivery Charge:							
Usage Charge							
All kWh	¢ per kWh		4.263	3.150		8.109	5.992
Space Heating:							
Delivery	¢ per kWh		12.045	3.010		13.407	3.350
Minimum Charge			Customer Charge*		Customer Charge*		
Merchant Function Charge							
Supply Related	¢ per kWh		0.198			0.092	
Purch Pwr Wrking Cap	¢ per kWh		0.057			0.052	
Credit & Collections	¢ per kWh		0.033			0.022	
Uncollectibles	¢ per kWh		Variable			Variable	
Metering Charges							
(Applicable to Metered Service Only)							
Ownership	per bill		\$2.60			N/A	
Service Provider	per bill		11.07			N/A	
Data Service Provider	per bill		2.99			N/A	
Plus:						Plus:	
Energy Cost Adjustment					Please refer to Present Rates		
System Benefits Charge					"		
Renewable Portfolio Standard Charge					"		
Transition Adjustment for Competitive Services					"		
Revenue Decoupling Mechanism Adjustment					"		
Increase in Rates and Charges					"		
Market Supply Charge					"		
Billing and Payment Processing Charge					\$1.30	\$1.50	

* Plus any applicable metering and/or billing and payment processing charges.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 2 Secondary Demand Billed

			Present		Proposed	
			<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>						
Customer Charge:						
Metered Service	per month		\$21.00	\$21.00	\$23.00	\$23.00
Delivery Charge:						
Demand Charge						
First 5 kW	per kW		\$3.10	\$1.83	\$3.65	\$2.15
Over 5 kW	per kW		20.39	11.85	23.99	13.95
Usage Charge						
First 1,250 kWh	¢ per kWh		4.758	3.673	4.758	3.673
Second Block	¢ per kWh		2.977	2.868	3.084	2.970
Third Block	¢ per kWh		4.041	3.860	N/A	N/A
Minimum Charge			Customer Charge plus the demand charges*		Customer Charge plus the demand charges*	
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>						
Customer Charge:	per month		\$36.00	\$36.00	\$38.00	\$38.00
Delivery Charges:						
Contract Demand Charge	per kW		\$5.10	\$5.10	\$5.54	\$5.54
As Used Daily Demand Charge	per kW		\$0.7797	\$0.5477	\$0.8938	\$0.6167

* Plus any applicable metering and/or billing and payment processing charges.

** Plus any applicable billing and payment processing charges.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Appendix 17
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Rates in Brief - Rate Year 1

Service Classification No. 2 Secondary Demand Billed (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh		0.198	0.092
Purch Pwr Wrking Cap	¢ per kWh		0.057	0.052
Credit & Collections	¢ per kWh		0.033	0.022
Uncollectibles	¢ per kWh		Variable	Variable
Metering Charges				
Non-MDAHP:				
Ownership	per bill		\$2.60	N/A
Service Provider	per bill		11.07	N/A
Data Service Provider	per bill		2.99	N/A
Subject to MDAHP:				
Ownership	per bill		\$12.84	N/A
Service Provider	per bill		34.28	N/A
Data Service Provider	per bill		15.51	N/A
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.40	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge			\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 2 Primary

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$35.00	\$35.00	\$37.00	\$37.00
Delivery Charge:					
Demand Charge	per kW	\$17.12	\$9.50	\$18.63	\$10.34
Usage Charge	¢ per kWh	0.786	0.786	0.786	0.786
Minimum Charge		Customer Charge plus the demand charges*		Customer Charge plus the demand charges*	
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:	per month	\$50.00	\$50.00	\$40.00	\$40.00
Delivery Charges:					
Contract Demand Charge	per kW	\$4.97	\$4.97	\$5.51	\$5.51
As Used Daily Demand Charge	per kW	\$0.6040	\$0.4163	\$0.6447	\$0.4424
* Plus any applicable metering and/or billing and payment processing charges.					

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 2 Primary (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh		0.071	0.049
Purch Pwr Wrking Cap	¢ per kWh		0.057	0.052
Credit & Collections	¢ per kWh		0.009	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Metering Charges				
Non-MDAHP:				
Ownership	per bill		\$4.49	N/A
Service Provider	per bill		19.12	N/A
Data Service Provider	per bill		2.97	N/A
Subject to MDAHP:				
Ownership	per bill		\$12.84	N/A
Service Provider	per bill		34.28	N/A
Data Service Provider	per bill		15.51	N/A
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.40	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge			\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Appendix 17
Schedule 5
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Rates in Brief - Rate Year 1

Service Classification No. 3

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$120.00	\$120.00	\$100.00	\$100.00
Delivery Charge:					
Demand Charge	per kW	\$22.32	\$12.63	\$23.17	\$13.11
Usage Charge	¢ per kWh	0.696	0.696	0.696	0.696
Minimum Charge:		\$120.00	plus the demand charges*	\$100.00	plus the demand charges*
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:	per month	\$85.00	\$85.00	\$60.00	\$60.00
Delivery Charges:					
Contract Demand Charge	per kW	\$9.24	\$9.24	\$9.50	\$9.50
As Used Daily Demand Charge	per kW	\$0.7142	\$0.4788	\$0.7525	\$0.5084
<u>Charges Applicable to Both Standard and Standby Service Rates</u>					
Merchant Function Charge					
Supply Related	¢ per kWh	0.071		0.049	
Purch Pwr Wrking Cap	¢ per kWh	0.057		0.052	
Credit & Collections	¢ per kWh	0.009		0.008	
Uncollectibles		Variable		Variable	

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Rates in Brief - Rate Year 1

Service Classification No. 3 (Continued)

Charges Applicable to Both Standard and Standby Service Rates (Continued)

Metering Charges				
(Applicable to Metered Service Only)				
Non-MDAHP:				
Ownership	per bill	\$4.17		N/A
Service Provider	per bill	17.74		N/A
Data Service Provider	per bill	1.50		N/A
Subject to MDAHP:				
Ownership	per bill	\$12.84		N/A
Service Provider	per bill	34.28		N/A
Data Service Provider	per bill	15.51		N/A
Reactive Power Demand Charge (if applicable)				
	per KVAR	\$0.40		\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge		\$1.30		\$1.50

* Plus any applicable metering and/or billing and payment processing charges.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 4

Luminaries Charge, per month

Nominal			Present	Proposed	
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>	
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$11.19	\$11.66
9,500	Sodium Vapor	100	142	12.21	12.72
16,000	Sodium Vapor	150	199	14.50	15.11
27,500	Sodium Vapor	250	311	19.39	20.20
46,000	Sodium Vapor	400	488	27.16	28.29
<u>Off-Roadway Luminaires</u>					
27,500	Sodium Vapor	250	311	\$25.14	\$26.19
46,500	Sodium Vapor	400	488	31.07	32.37
<u>LED Street Lighting Luminaires</u>					
3,000	LED	15-29	23	\$9.96	\$10.38
3,900	LED	30-39	35	10.07	10.49
5,000	LED	40-59	50	10.18	10.60
7,250	LED	60-89	68	11.24	11.71
12,000	LED	90-129	103	11.84	12.33
16,000	LED	130-169	140	13.01	13.55
22,000	LED	170-220	200	17.73	18.47

The following luminaires will no longer be installed. Charges are for existing luminaires only.

600 Open Bottom Inc	52	52	\$5.53	\$5.76
1,000 Open Bottom Inc	92	92	7.54	7.85
4,000 Mercury Vapor PB	100	127	8.88	9.25
4,000 Mercury Vapor	100	127	10.04	10.46
7,900 Mercury Vapor PB	175	215	10.90	11.35
7,900 Mercury Vapor	175	211	12.18	12.69
12,000 Mercury Vapor	250	296	15.95	16.62
22,500 Mercury Vapor	400	459	20.39	21.24
59,000 Mercury Vapor	1,000	1,105	40.04	41.71
130,000 Sodium Vapor	1,000	1,120	57.16	59.55

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 4 (Continued)

The following luminaires will no longer be installed. Charges are for existing luminaires only.

Luminaries Charge, per month

			Present	Proposed
Nominal <u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
5,890 LED		70	\$12.23	\$12.74
9,365 LED		100	13.87	14.45
3,400 Induction		40	12.20	12.71
12,750 Induction		150	16.65	17.34
Additional Charge:				
UG Svc- Customer owned and maintained duct		per month	\$4.67	\$4.86
15 Foot Brackets		\$ per month	0.40	0.42
Merchant Function Charge				
Supply Related		¢ per kWh	0.198	0.092
Purch Pwr Wrking Cap		¢ per kWh	0.057	0.052
Credit & Collections		¢ per kWh	0.033	0.022
Uncollectibles		¢ per kWh	Variable	Variable
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge			\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 5

		Present	Proposed
		<u>Year-round</u>	<u>Year-round</u>
Delivery Charge:	¢ per kWh	9.462	9.870
Merchant Function Charge			
Supply Related	¢ per kWh	0.198	0.092
Purch Pwr Wrking Cap	¢ per kWh	0.057	0.052
Credit & Collections	¢ per kWh	0.033	0.022
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Increase in Rates and Charges			"
Market Supply Charge			"
Billing and Payment Processing Charge		\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 6

	Present	Proposed
	<u>Year-round</u>	<u>Year-round</u>
Delivery Charges for Service Types A & B: ¢ per kWh	7.739	8.113
Delivery Charges for Service Type C:		
Customer Charge	\$24.00	\$24.00
Delivery Charge ¢ per kWh	6.726	7.051
Merchant Function Charge		
Supply Related ¢ per kWh	0.198	0.092
Purch Pwr Wrking Cap ¢ per kWh	0.057	0.052
Credit & Collections ¢ per kWh	0.033	0.022
Uncollectibles ¢ per kWh	Variable	Variable
Plus:		Plus:
Energy Cost Adjustment		Please refer to Present Rates
System Benefits Charge		"
Renewable Portfolio Standard Charge		"
Transition Adjustment for Competitive Services		"
Revenue Decoupling Mechanism Adjustment		"
Increase in Rates and Charges		"
Market Supply Charge		"
Billing and Payment Processing Charge	\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 9

				<u>Present</u>	<u>Proposed</u>
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period A	All kW @	per kW		\$24.08	\$24.70
Period B	All kW @	per kW		11.31	11.60
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.441	0.441
Period B	All kWh @	¢ per kWh		0.441	0.441
Period C	All kWh @	¢ per kWh		0.164	0.164
<u>Substation:</u>					
Demand Charge					
Period A	All kW @	per kW		\$17.41	\$17.86
Period B	All kW @	per kW		7.87	8.07
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.244	0.244
Period B	All kWh @	¢ per kWh		0.244	0.244
Period C	All kWh @	¢ per kWh		0.150	0.150
<u>Transmission:</u>					
Demand Charge					
Period A	All kW @	per kW		\$8.59	\$8.81
Period B	All kW @	per kW		5.85	6.00
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.139	0.139
Period B	All kWh @	¢ per kWh		0.139	0.139
Period C	All kWh @	¢ per kWh		0.131	0.131

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 9 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 3)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$6.76	\$7.11
As Used Daily Demand Charge (S)	per kW	\$0.7091	\$0.7201
As Used Daily Demand Charge (W)	per kW	\$0.4004	\$0.3973
<u>Substation:</u>			
Contract Demand Charge	per kW	\$4.32	\$4.69
As Used Daily Demand Charge	per kW	\$0.5000	\$0.4945
As Used Daily Demand Charge (W)	per kW	\$0.3414	\$0.3359
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.50	\$1.59
As Used Daily Demand Charge	per kW	\$0.3922	\$0.3860
As Used Daily Demand Charge (W)	per kW	\$0.2953	\$0.2867
<u>Minimum Charge</u>			
		Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable metering and/or billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge		\$53.13	\$51.18
Contract Demand Charge - Pri	per kW of CD	\$3.86	\$3.72
Contract Demand Charge - Sec	per kW of CD	\$6.34	\$6.11

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 9 (Continued)

			Present	Proposed
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.071	0.049
Purch Pwr Wrking Cap	¢ per kWh		0.057	0.052
Credit & Collections	¢ per kWh		0.009	0.008
Uncollectibles	¢ per kWh	Variable		Variable
Metering Charges:				
Ownership	per bill		\$20.77	N/A
Service Provider	per bill		88.36	N/A
Data Service Provider	per bill		15.51	N/A
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.40	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge			\$1.30	\$1.50

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 15

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
Customer Charge - For customers who take service under SC No. 15 and another SC				
Primary Voltage with CD < 1,000 kW	per month		\$153.69	See Below
Primary Voltage with CD ≥ 1,000 kW	per month		\$116.99	See Below
Secondary Voltage	per month		\$14.44	See Below
Customer Charge - For customers who take service only under SC No. 15				
Primary Voltage with CD < 1,000 kW	per month		\$159.87	See Below
Primary Voltage with CD ≥ 1,000 kW	per month		\$123.17	See Below
Secondary Voltage	per month		\$28.69	See Below
Customer Charge*:				
SC Nos. 2 Secondary and 20	per month	See Above		\$38.00
SC No. 2 Primary	per month	See Above		\$40.00
SC Nos. 3 and 21	per month	See Above		\$60.00
SC No. 9	per month	See Above		\$500.00
SC No. 22	per month	See Above		\$500.00
Contract Demand Charge*				
SC Nos. 2 Secondary and 20	per kW		\$6.93	\$5.54
SC No. 2 Primary	per kW		\$4.22	\$5.51
SC Nos. 3 and 21	per kW		\$4.22	\$9.50
SC No. 9 - Primary	per kW		\$4.22	\$7.11
SC No. 9 - Substation	per kW		\$4.22	\$4.69
SC No. 9 - Transmission	per kW		\$4.22	\$1.59
SC No. 22 - Primary	per kW		\$4.22	\$5.93
SC No. 22 - Substation	per kW		\$4.22	\$3.31
SC No. 22 - Transmission	per kW		\$4.22	\$1.38
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.40	\$0.85
* Based on what the customer's otherwise applicable service classification is.				
Plus:			Plus:	
Increase in Rates and Charges			Please refer to Present Rates	

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 16

Luminaries Charge, per month

				Present	Proposed
Nominal <u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	Total <u>Wattage</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
<u>Power Bracket Luminaires</u>					
5,800	Sodium Vapor	70	108	\$20.64	\$21.56
9,500	Sodium Vapor	100	142	22.06	23.05
16,000	Sodium Vapor	150	199	25.94	27.10
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$22.59	\$23.60
9,500	Sodium Vapor	100	142	24.09	25.17
16,000	Sodium Vapor	150	199	27.87	29.12
27,500	Sodium Vapor	250	311	35.53	37.12
46,000	Sodium Vapor	400	488	48.78	50.96
3,000	LED	15-29	23	N/A	10.88
3,900	LED	30-39	35	N/A	11.00
5,000	LED	40-59	50	N/A	11.12
7,250	LED	60-89	68	N/A	12.28
12,000	LED	90-129	103	N/A	12.93
16,000	LED	130-169	140	N/A	14.21
22,000	LED	170-220	200	N/A	19.37
<u>Flood Lighting Luminaires</u>					
27,500	Sodium Vapor	250	311	\$35.53	\$37.12
46,000	Sodium Vapor	400	488	48.78	50.96
15,000	LED	100-159	125	N/A	13.91
27,000	LED	160-249	205	N/A	16.40
37,500	LED	230-320	290	N/A	18.91
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Power Bracket Luminaires</u>					
4,000	Mercury Vapor	100	127	\$18.95	\$19.80
7,900	Mercury Vapor	175	215	21.94	22.92
22,500	Mercury Vapor	400	462	31.51	32.92
3,950	LED	25-39	35	N/A	9.23
5,550	LED	44-55	50	N/A	9.30
7,350	LED	56-70	65	N/A	9.39
<u>Street Lighting Luminaires</u>					
21,250	Induction	250	263	42.34	44.23
4,000	Mercury Vapor	100	127	\$20.77	21.70
7,900	Mercury Vapor	175	211	24.05	25.12
12,000	Mercury Vapor	250	296	30.28	31.63
22,500	Mercury Vapor	400	459	37.29	38.96
40,000	Mercury Vapor	700	786	55.18	57.65
59,000	Mercury Vapor	1,000	1,105	68.86	71.94
1,000	Incandescent	92	92	16.50	17.24
5,890	LED	70	74	30.07	31.41
9,365	LED	100	101	32.51	33.96

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 16 (Continued)

				Present	Proposed
Nominal			Total	Delivery	Delivery
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Wattage</u>	<u>Charge</u>	<u>Charge</u>
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Flood Lighting Luminaires</u>					
12,000	Mercury Vapor	250	296	\$30.28	\$31.63
22,500	Mercury Vapor	400	459	37.29	38.96
40,000	Mercury Vapor	700	786	55.18	57.65
59,000	Mercury Vapor	1,000	1,105	68.86	71.94
15 Foot	Brackets		\$ per month	0.70	0.73
Delivery Charges for Service Type C:					
Customer Charge (Metered)			per month	\$24.00	\$24.00
Customer Charge (Unmetered)			per month	17.00	18.00
Delivery Charge			¢ per kWh	6.726	7.220
Merchant Function Charge					
Supply Related			¢ per kWh	0.198	0.092
Purch Pwr Wrking Cap			¢ per kWh	0.057	0.052
Credit & Collections			¢ per kWh	0.033	0.022
Uncollectibles			¢ per kWh	Variable	Variable
Plus:				Plus:	
Energy Cost Adjustment				Please refer to Present Rates	
System Benefits Charge				"	
Renewable Portfolio Standard Charge				"	
Transition Adjustment for Competitive Services				"	
Increase in Rates and Charges				"	
Market Supply Charge				"	
Billing and Payment Processing Charge				\$1.30	\$1.50

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 19

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$32.00	\$32.00
Delivery Charges:					
	Period I	All kWh @	¢ per kWh	34.539	36.833
	Period II	All kWh @	¢ per kWh	12.358	13.179
	Period III	All kWh @	¢ per kWh	12.358	13.179
	Period IV	All kWh @	¢ per kWh	2.224	2.372
Merchant Function Charge					
Supply Related			¢ per kWh	0.339	0.166
Purch Pwr Wrking Cap			¢ per kWh	0.057	0.052
Credit & Collections			¢ per kWh	0.062	0.046
Uncollectibles			¢ per kWh	Variable	Variable
Minimum Charge:		per contract (not less than) plus applicable billing and payment processing charges		\$384.00	\$384.00
Plus:					Plus:
Energy Cost Adjustment					
System Benefits Charge					
Renewable Portfolio Standard Charge					Please refer to Present Rates
Transition Adjustment for Competitive Services					"
Revenue Decoupling Mechanism Adjustment					"
Increase in Rates and Charges					"
Market Supply Charge					"
Billing and Payment Processing Charge				\$1.30	\$1.50

Definition of Rating Periods:

Period I -	12:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period II -	10:00 a.m. to 12:00 p.m. and 7:00 p.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period III -	10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
Period IV -	9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

**Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 20

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$40.00	\$40.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$30.24	\$32.51
Period II	All kW @	per kW		12.94	13.91
Period III	All kW @	per kW		0.45	0.57
Usage Charge					
Period I	All kWh @	¢ per kWh		3.592	3.592
Period II	All kWh @	¢ per kWh		0.863	0.863
Period III	All kWh @	¢ per kWh		0.115	0.086
Minimum Charge:				Sum of the Customer Charge and \$120.00 plus any applicable metering and/or billing and payment processing charges.	Sum of the Customer Charge and \$120.00 plus any applicable billing and payment processing charges.
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:		per month		\$36.00	\$38.00
Delivery Charges:					
Contract Demand Charge		per kW		\$5.10	\$5.54
As Used Daily Demand Charge (S)		per kW		\$0.7797	\$0.8938
As Used Daily Demand Charge (W)		per kW		\$0.5477	\$0.6167

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Appendix 17
Schedule 5
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Rates in Brief - Rate Year 1

Service Classification No. 20 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge

Supply Related	¢ per kWh	0.198	0.092
Purch Pwr Wrking Cap	¢ per kWh	0.057	0.052
Credit & Collections	¢ per kWh	0.033	0.022
Uncollectibles	¢ per kWh	Variable	Variable

Metering Charges

Non-MDAHP:

Ownership	per bill	\$3.96	N/A
Service Provider	per bill	16.85	N/A
Data Service Provider	per bill	2.28	N/A

Subject to MDAHP:

Ownership	per bill	\$12.84	N/A
Service Provider	per bill	34.28	N/A
Data Service Provider	per bill	15.51	N/A

Reactive Power Demand Charge (if applicable)

per KVAr	\$0.40	\$0.85
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Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

\$1.30

Plus:

Please refer to Present Rates

"
"
"
"

\$1.50

Definition of Rating Periods:

Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 21

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$163.00	\$133.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$30.52	\$32.02
Period II	All kW @	per kW		10.76	11.29
Period III	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period I	All kWh @	¢ per kWh		1.553	1.553
Period II	All kWh @	¢ per kWh		1.553	1.553
Period III	All kWh @	¢ per kWh		0.136	0.136
Minimum Charge:				Sum of the Customer Charge and any applicable metering and/or billing and payment processing charges.	Sum of the Customer Charge and any applicable billing and payment processing charges.
 <u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:		per month		\$85.00	\$60.00
Delivery Charges:					
Contract Demand Charge		per kW		\$9.24	\$9.50
As Used Daily Demand Charge (S)		per kW		\$0.7142	\$0.7525
As Used Daily Demand Charge (W)		per kW		\$0.4788	\$0.5084

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 1

Service Classification No. 21 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge

Supply Related	¢ per kWh	0.071	0.049
Purch Pwr Wrking Cap	¢ per kWh	0.057	0.052
Credit & Collections	¢ per kWh	0.009	0.008
Uncollectibles	¢ per kWh	Variable	Variable

Metering Charges

Non-MDAHP:

Ownership	per bill	\$2.82	N/A
Service Provider	per bill	11.98	N/A
Data Service Provider	per bill	0.93	N/A

Subject to MDAHP:

Ownership	per bill	\$12.84	N/A
Service Provider	per bill	34.28	N/A
Data Service Provider	per bill	15.51	N/A

Reactive Power Demand Charge (if applicable)

per KVAr	\$0.40	\$0.85
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Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

\$1.30

Plus:

Please refer to Present Rates

"
"
"
"

\$1.50

Definition of Rating Periods:

- Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

**Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 22

				<u>Present</u>	<u>Proposed</u>
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period A	All kW @	per kW		\$18.31	\$18.69
Period B	All kW @	per kW		10.45	10.67
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.710	0.710
Period B	All kWh @	¢ per kWh		0.710	0.710
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Substation:</u>					
Demand Charge					
Period A	All kW @	per kW		\$11.77	\$12.01
Period B	All kW @	per kW		6.49	6.62
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.298	0.298
Period B	All kWh @	¢ per kWh		0.298	0.298
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Transmission:</u>					
Demand Charge					
Period A	All kW @	per kW		\$6.76	\$6.90
Period B	All kW @	per kW		5.91	6.03
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.126	0.126
Period B	All kWh @	¢ per kWh		0.126	0.126
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Minimum Charge</u>					
				Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable metering and/or billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge				\$53.13	\$51.18
Contract Demand Charge		per kW of CD		\$3.86	\$3.72
Contract Demand Charge		per kW of CD		\$6.34	\$6.11

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Rates in Brief - Rate Year 1

Service Classification No. 22 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 4)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$5.94	\$5.93
As Used Daily Demand Charge (S)	per kW	\$0.6288	\$0.6349
As Used Daily Demand Charge (W)	per kW	\$0.4396	\$0.4377
<u>Substation:</u>			
Contract Demand Charge	per kW	\$3.21	\$3.31
As Used Daily Demand Charge	per kW	\$0.4284	\$0.4158
As Used Daily Demand Charge (W)	per kW	\$0.2882	\$0.2746
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.34	\$1.38
As Used Daily Demand Charge	per kW	\$0.3487	\$0.3287
As Used Daily Demand Charge (W)	per kW	\$0.3187	\$0.2980

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 1

Service Classification No. 22 (Continued)

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.071	0.049
Purch Pwr Wrking Cap	¢ per kWh		0.057	0.052
Credit & Collections	¢ per kWh		0.009	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Metering Charges:				
Ownership	per bill		\$20.77	N/A
Service Provider	per bill		88.36	N/A
Data Service Provider	per bill		15.51	N/A
Reactive Power Demand Charge (if applicable)				
	per KVAr		\$0.40	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge			\$1.30	\$1.50

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

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Rates in Brief - Rate Year 1

Rider J - Smart Home Rate

		Present	Proposed
Customer Charge:	per month	\$19.50	\$20.50
Rate I - Delivery Charges:			
Daily Demand Charges	per kW	\$1.13	\$1.15
Distribution Event Charge	per kW	\$1.82	\$1.76
Transmission Event Charge	per kW	\$0.46	\$0.44
Rate II - Delivery Charges:			
Subscribed Demand Chg	per kW	\$19.35	\$19.25
Distribution Event Charge	per kW	\$21.27	\$19.88
Transmission Event Charge	per kW	\$5.32	\$4.97
Merchant Function Charge			
Supply Related	¢ per kWh	0.339	0.166
Purch Pwr Wrking Cap	¢ per kWh	0.057	0.052
Credit & Collections	¢ per kWh	0.062	0.046
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			
System Benefits Charge			Please refer to Present Rates
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Revenue Decoupling Mechanism Adjustment			"
Increase in Rates and Charges			"
Market Supply Charges			"
Billing and Payment Processing Charge		\$1.30	\$1.50
* Plus any applicable billing and payment processing charges.			

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Rates in Brief - Rate Year 2

Service Classification No. 1

			Present		Proposed	
			<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:	per month		\$20.50	\$20.50	\$21.50	\$21.50
Delivery Charges:						
First 250 kWh	¢ per kWh		9.176	9.176	9.529	9.529
Over 250 kWh	¢ per kWh		11.475	9.176	11.917	9.529
Minimum Charge:						
Monthly*	monthly		\$20.50		\$21.50	
Per Contract	per contract		123.00		129.00	
Merchant Function Charge						
Supply Related	¢ per kWh		0.166		0.176	
Purch Pwr Wrking Cap	¢ per kWh		0.052		0.052	
Credit & Collections	¢ per kWh		0.046		0.048	
Uncollectibles	¢ per kWh		Variable		Variable	
Plus:			Plus:			
Energy Cost Adjustment			Please refer to Present Rates			
System Benefits Charge			"			
Renewable Portfolio Standard Charge			"			
Transition Adjustment for Competitive Services			"			
Revenue Decoupling Mechanism Adjustment			"			
Increase in Rates and Charges			"			
Market Supply Charge			"			
Billing and Payment Processing Charge			"			
* Plus any applicable billing and payment processing charges.						

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 2 Secondary - Non-Demand Billed Customers

				Present		Proposed	
				<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:							
	Metered Service	per month	\$20.00	\$20.00		\$22.00	\$22.00
	Unmetered Service	per month	18.00	18.00		19.00	19.00
Delivery Charge:							
Usage Charge							
	All kWh	¢ per kWh	8.109	5.992		8.138	6.013
Space Heating:							
	Delivery	¢ per kWh	13.407	3.350		13.958	3.488
Minimum Charge			Customer Charge*		Customer Charge*		
Merchant Function Charge							
	Supply Related	¢ per kWh	0.092			0.094	
	Purch Pwr Wrking Cap	¢ per kWh	0.052			0.052	
	Credit & Collections	¢ per kWh	0.022			0.022	
	Uncollectibles	¢ per kWh	Variable			Variable	
Plus:						Plus:	
	Energy Cost Adjustment				Please refer to Present Rates		
	System Benefits Charge				"		
	Renewable Portfolio Standard Charge				"		
	Transition Adjustment for Competitive Services				"		
	Revenue Decoupling Mechanism Adjustment				"		
	Increase in Rates and Charges				"		
	Market Supply Charge				"		
	Billing and Payment Processing Charge				"		

* Plus any applicable billing and payment processing charges.

Service Classification No. 2 Secondary Demand Billed

				Present		Proposed	
				<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>							
Customer Charge:							
Metered Service	per month	\$23.00	\$23.00	\$25.00	\$25.00		
Delivery Charge:							
Demand Charge							
First 5 kW	per kW	\$3.65	\$2.15	\$3.75	\$2.21		
Over 5 kW	per kW	23.99	13.95	24.66	14.34		
Usage Charge							
First 1,250 kWh	¢ per kWh	4.758	3.673	4.758	3.673		
Over 1,250 kWh	¢ per kWh	3.084	2.970	3.084	2.970		
Minimum Charge		Customer Charge plus the demand charges*		Customer Charge plus the demand charges*			
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>							
Customer Charge:		per month	\$38.00	\$38.00	\$38.00	\$38.00	
Delivery Charges:							
Contract Demand Charge	per kW	\$5.54	\$5.54	\$5.68	\$5.68		
As Used Daily Demand Charge	per kW	\$0.8938	\$0.6167	\$0.9174	\$0.6326		
* Plus any applicable billing and payment processing charges.							

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Rates in Brief - Rate Year 2

Service Classification No. 2 Secondary Demand Billed (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh	0.092		0.094
Purch Pwr Wrking Cap	¢ per kWh	0.052		0.052
Credit & Collections	¢ per kWh	0.022		0.022
Uncollectibles	¢ per kWh	Variable		Variable
Reactive Power Demand Charge (if applicable)				
	per KVAR	\$0.85		\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 2 Primary

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$37.00	\$37.00	\$39.00	\$39.00
Delivery Charge:					
Demand Charge	per kW	\$18.63	\$10.34	\$19.51	\$10.83
Usage Charge	¢ per kWh	0.786	0.786	0.786	0.786
Minimum Charge		Customer Charge plus the demand charges*		Customer Charge plus the demand charges*	
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:	per month	\$40.00	\$40.00	\$40.00	\$40.00
Delivery Charges:					
Contract Demand Charge	per kW	\$5.51	\$5.51	\$5.74	\$5.74
As Used Daily Demand Charge	per kW	\$0.6447	\$0.4424	\$0.6720	\$0.4602
* Plus any applicable billing and payment processing charges.					

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 2

Service Classification No. 2 Primary (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh		0.049	0.048
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.052
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Reactive Power Demand Charge (if applicable)				
	per KVAr		\$0.85	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

**Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 3

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$100.00	\$100.00	\$80.00	\$80.00
Delivery Charge:					
Demand Charge	per kW	\$23.17	\$13.11	\$23.82	\$13.48
Usage Charge	¢ per kWh	0.696	0.696	0.696	0.696
Minimum Charge:		\$100.00	plus the demand charges*	\$80.00	plus the demand charges*
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:	per month	\$60.00	\$60.00	\$60.00	\$60.00
Delivery Charges:					
Contract Demand Charge	per kW	\$9.50	\$9.50	\$9.71	\$9.71
As Used Daily Demand Charge	per kW	\$0.7525	\$0.5084	\$0.7697	\$0.5188
<u>Charges Applicable to Both Standard and Standby Service Rates</u>					
Merchant Function Charge					
Supply Related	¢ per kWh	0.049		0.048	
Purch Pwr Wrking Cap	¢ per kWh	0.052		0.052	
Credit & Collections	¢ per kWh	0.008		0.008	
Uncollectibles		Variable		Variable	

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 3 (Continued)

Charges Applicable to Both Standard and Standby Service Rates (Continued)

Reactive Power Demand Charge (if applicable)			
per KVAR	\$0.85		\$0.85
Plus:		Plus:	
Energy Cost Adjustment		Please refer to Present Rates	
System Benefits Charge		"	
Renewable Portfolio Standard Charge		"	
Transition Adjustment for Competitive Services		"	
Revenue Decoupling Mechanism Adjustment		"	
Increase in Rates and Charges		"	
Market Supply Charge		"	
Billing and Payment Processing Charge		"	

* Plus any applicable billing and payment processing charges.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 2

Service Classification No. 4

Luminaries Charge, per month

Nominal			Present	Proposed	
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$11.66	\$12.13
9,500	Sodium Vapor	100	142	12.72	13.24
16,000	Sodium Vapor	150	199	15.11	15.72
27,500	Sodium Vapor	250	311	20.20	21.02
46,000	Sodium Vapor	400	488	28.29	29.44
<u>Off-Roadway Luminaires</u>					
27,500	Sodium Vapor	250	311	\$26.19	\$27.25
46,500	Sodium Vapor	400	488	32.37	33.69
<u>LED Street Lighting Luminaires</u>					
3,000	LED	15-29	23	\$10.38	\$10.80
3,900	LED	30-39	35	10.49	10.92
5,000	LED	40-59	50	10.60	11.03
7,250	LED	60-89	68	11.71	12.19
12,000	LED	90-129	103	12.33	12.83
16,000	LED	130-169	140	13.55	14.10
22,000	LED	170-220	200	18.47	19.22

The following luminaires will no longer be installed. Charges are for existing luminaires only.

600 Open Bottom Inc	52	52	\$5.76	\$5.99
1,000 Open Bottom Inc	92	92	7.85	8.17
4,000 Mercury Vapor PB	100	127	9.25	9.63
4,000 Mercury Vapor	100	127	10.46	10.89
7,900 Mercury Vapor PB	175	215	11.35	11.81
7,900 Mercury Vapor	175	211	12.69	13.21
12,000 Mercury Vapor	250	296	16.62	17.30
22,500 Mercury Vapor	400	459	21.24	22.10
59,000 Mercury Vapor	1,000	1,105	41.71	43.41
130,000 Sodium Vapor	1,000	1,120	59.55	61.97

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 2

Service Classification No. 4 (Continued)

The following luminaires will no longer be installed. Charges are for existing luminaires only.

Luminaries Charge, per month

			Present	Proposed
Nominal <u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
5,890 LED		70	\$12.74	\$13.26
9,365 LED		100	14.45	15.04
3,400 Induction		40	12.71	13.23
12,750 Induction		150	17.34	18.04
Additional Charge:				
UG Svc- Customer owned and maintained duct		per month	\$4.67	\$4.86
15 Foot Brackets		\$ per month	0.42	0.44
Merchant Function Charge				
Supply Related		¢ per kWh	0.092	0.094
Purch Pwr Wrking Cap		¢ per kWh	0.052	0.052
Credit & Collections		¢ per kWh	0.022	0.022
Uncollectibles		¢ per kWh	Variable	Variable
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 5

		Present	Proposed
		<u>Year-round</u>	<u>Year-round</u>
Delivery Charge:	¢ per kWh	9.87	10.270
Merchant Function Charge			
Supply Related	¢ per kWh	0.092	0.094
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.052
Credit & Collections	¢ per kWh	0.022	0.022
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Increase in Rates and Charges			"
Market Supply Charge			"
Billing and Payment Processing Charge			"

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 6

		Present	Proposed
		<u>Year-round</u>	<u>Year-round</u>
Delivery Charges for Service Types A & B: ¢ per kWh		8.113	8.246
Delivery Charges for Service Type C:			
Customer Charge		\$24.00	\$24.00
Delivery Charge	¢ per kWh	7.220	7.338
Merchant Function Charge			
Supply Related	¢ per kWh	0.092	0.094
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.052
Credit & Collections	¢ per kWh	0.022	0.022
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Revenue Decoupling Mechanism Adjustment			"
Increase in Rates and Charges			"
Market Supply Charge			"
Billing and Payment Processing Charge			"

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 9

				<u>Present</u> <u>Year-round</u>	<u>Proposed</u> <u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period A	All kW @	per kW		\$24.70	\$25.24
Period B	All kW @	per kW		11.60	11.85
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.441	0.441
Period B	All kWh @	¢ per kWh		0.441	0.441
Period C	All kWh @	¢ per kWh		0.164	0.164
<u>Substation:</u>					
Demand Charge					
Period A	All kW @	per kW		\$17.86	\$18.25
Period B	All kW @	per kW		8.07	8.25
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.244	0.244
Period B	All kWh @	¢ per kWh		0.244	0.244
Period C	All kWh @	¢ per kWh		0.150	0.150
<u>Transmission:</u>					
Demand Charge					
Period A	All kW @	per kW		\$8.81	\$9.00
Period B	All kW @	per kW		6.00	6.13
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.139	0.139
Period B	All kWh @	¢ per kWh		0.139	0.139
Period C	All kWh @	¢ per kWh		0.131	0.131

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 9 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 3)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$7.11	\$7.26
As Used Daily Demand Charge (S)	per kW	\$0.7201	\$0.7349
As Used Daily Demand Charge (W)	per kW	\$0.3973	\$0.4050
<u>Substation:</u>			
Contract Demand Charge	per kW	\$4.69	\$4.78
As Used Daily Demand Charge	per kW	\$0.4945	\$0.5023
As Used Daily Demand Charge (W)	per kW	\$0.3359	\$0.3437
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.59	\$1.62
As Used Daily Demand Charge	per kW	\$0.3860	\$0.3934
As Used Daily Demand Charge (W)	per kW	\$0.2867	\$0.2922
<u>Minimum Charge</u>			
		Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge		\$51.18	\$49.38
Contract Demand Charge - Pri	per kW of CD	\$3.72	\$3.59
Contract Demand Charge - Sec	per kW of CD	\$6.11	\$5.90

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 9 (Continued)

			Present	Proposed
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.049	0.048
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.052
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh	Variable		Variable
Reactive Power Demand Charge (if applicable)				
	per KVA _r		\$0.85	\$0.85
Plus:			Plus:	
Energy Cost Adjustment			Please refer to Present Rates	
System Benefits Charge			"	
Renewable Portfolio Standard Charge			"	
Transition Adjustment for Competitive Services			"	
Revenue Decoupling Mechanism Adjustment			"	
Increase in Rates and Charges			"	
Market Supply Charge			"	
Billing and Payment Processing Charge			"	

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 15

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
Customer Charge*:				
SC Nos. 2 Secondary and 20	per month		\$38.00	\$38.00
SC No. 2 Primary	per month		\$40.00	\$40.00
SC Nos. 3 and 21	per month		\$60.00	\$60.00
SC No. 9	per month		\$500.00	\$500.00
SC No. 22	per month		\$500.00	\$500.00
Contract Demand Charge*				
SC Nos. 2 Secondary and 20	per kW		\$5.54	\$5.68
SC No. 2 Primary	per kW		\$5.51	\$5.74
SC Nos. 3 and 21	per kW		\$9.50	\$9.71
SC No. 9 - Primary	per kW		\$7.11	\$7.26
SC No. 9 - Substation	per kW		\$4.69	\$4.78
SC No. 9 - Transmission	per kW		\$1.59	\$1.62
SC No. 22 - Primary	per kW		\$5.93	\$6.05
SC No. 22 - Substation	per kW		\$3.31	\$3.38
SC No. 22 - Transmission	per kW		\$1.38	\$1.41
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.85	\$0.85
* Based on what the customer's otherwise applicable service classification is.				
Plus:			Plus:	
Increase in Rates and Charges			Please refer to Present Rates	

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 16

Luminaries Charge, per month

				Present	Proposed
Nominal			Total	Delivery	Delivery
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Wattage</u>	<u>Charge</u>	<u>Charge</u>
<u>Power Bracket Luminaires</u>					
5,800	Sodium Vapor	70	108	\$21.56	\$22.45
9,500	Sodium Vapor	100	142	23.05	24.00
16,000	Sodium Vapor	150	199	27.10	28.21
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$23.60	\$24.57
9,500	Sodium Vapor	100	142	25.17	26.20
16,000	Sodium Vapor	150	199	29.12	30.32
27,500	Sodium Vapor	250	311	37.12	38.64
46,000	Sodium Vapor	400	488	50.96	53.05
3,000	LED	15-29	23	10.88	10.88
3,900	LED	30-39	35	11.00	11.00
5,000	LED	40-59	50	11.12	11.12
7,250	LED	60-89	68	12.28	12.28
12,000	LED	90-129	103	12.93	12.93
16,000	LED	130-169	140	14.21	14.21
22,000	LED	170-220	200	19.37	19.37
<u>Flood Lighting Luminaires</u>					
27,500	Sodium Vapor	250	311	\$37.12	\$38.64
46,000	Sodium Vapor	400	488	50.96	53.05
15,000	LED	100-159	125	13.91	13.91
27,000	LED	160-249	205	16.40	16.40
37,500	LED	230-320	290	18.91	18.91
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Power Bracket Luminaires</u>					
4,000	Mercury Vapor	100	127	\$19.80	\$20.61
7,900	Mercury Vapor	175	215	22.92	23.86
22,500	Mercury Vapor	400	462	32.92	34.27
3,950	LED	25-39	35	9.23	9.23
5,550	LED	44-55	50	9.30	9.30
7,350	LED	56-70	65	9.39	9.39
<u>Street Lighting Luminaires</u>					
21,250	Induction	250	263	\$44.23	\$46.05
4,000	Mercury Vapor	100	127	21.70	22.59
7,900	Mercury Vapor	175	211	25.12	26.15
12,000	Mercury Vapor	250	296	31.63	32.93
22,500	Mercury Vapor	400	459	38.96	40.56
40,000	Mercury Vapor	700	786	57.65	60.02
59,000	Mercury Vapor	1,000	1,105	71.94	74.89
1,000	Incandescent	92	92	17.24	17.95
5,890	LED	70	74	31.41	32.70
9,365	LED	100	101	33.96	35.35

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 16 (Continued)

				Present	Proposed
Nominal			Total	Delivery	Delivery
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Wattage</u>	<u>Charge</u>	<u>Charge</u>
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Flood Lighting Luminaires</u>					
12,000	Mercury Vapor	250	296	\$31.63	\$32.93
22,500	Mercury Vapor	400	459	38.96	40.56
40,000	Mercury Vapor	700	786	57.65	60.02
59,000	Mercury Vapor	1,000	1,105	71.94	74.89
15 Foot	Brackets		\$ per month	0.73	0.76
Delivery Charges for Service Type C:					
Customer Charge (Metered)			per month	\$24.00	\$24.00
Customer Charge (Unmetered)			per month	18.00	19.00
Delivery Charge			¢ per kWh	7.220	7.657
Merchant Function Charge					
Supply Related			¢ per kWh	0.092	0.094
Purch Pwr Wrking Cap			¢ per kWh	0.052	0.052
Credit & Collections			¢ per kWh	0.022	0.022
Uncollectibles			¢ per kWh	Variable	Variable
Plus:				Plus:	
Energy Cost Adjustment				Please refer to Present Rates	
System Benefits Charge				"	
Renewable Portfolio Standard Charge				"	
Transition Adjustment for Competitive Services				"	
Increase in Rates and Charges				"	
Market Supply Charge				"	
Billing and Payment Processing Charge				"	

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 19

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$32.00	\$32.00
Delivery Charges:					
	Period I	All kWh @	¢ per kWh	36.833	38.649
	Period II	All kWh @	¢ per kWh	13.179	13.829
	Period III	All kWh @	¢ per kWh	13.179	13.829
	Period IV	All kWh @	¢ per kWh	2.372	2.489
Merchant Function Charge					
Supply Related			¢ per kWh	0.166	0.176
Purch Pwr Wrking Cap			¢ per kWh	0.052	0.052
Credit & Collections			¢ per kWh	0.046	0.048
Uncollectibles			¢ per kWh	Variable	Variable
Minimum Charge:		per contract (not less than) plus applicable billing and payment processing charges		\$384.00	\$384.00
Plus:					Plus:
Energy Cost Adjustment					
System Benefits Charge					
Renewable Portfolio Standard Charge					Please refer to Present Rates
Transition Adjustment for Competitive Services					"
Revenue Decoupling Mechanism Adjustment					"
Increase in Rates and Charges					"
Market Supply Charge					"
Billing and Payment Processing Charge					"

Definition of Rating Periods:

Period I -	12:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period II -	10:00 a.m. to 12:00 p.m. and 7:00 p.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period III -	10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
Period IV -	9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

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Rates in Brief - Rate Year 2

Service Classification No. 20

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$40.00	\$40.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$32.51	\$33.69
Period II	All kW @	per kW		13.91	14.42
Period III	All kW @	per kW		0.57	0.65
Usage Charge					
Period I	All kWh @	¢ per kWh		3.592	3.592
Period II	All kWh @	¢ per kWh		0.863	0.863
Period III	All kWh @	¢ per kWh		0.086	0.064
Minimum Charge:				Sum of the Customer Charge and \$120.00 plus any applicable billing and payment processing charges.	Sum of the Customer Charge and \$120.00 plus any applicable billing and payment processing charges.
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:		per month		\$38.00	\$38.00
Delivery Charges:					
Contract Demand Charge		per kW		\$5.54	\$5.68
As Used Daily Demand Charge (S)		per kW		\$0.8938	\$0.9174
As Used Daily Demand Charge (W)		per kW		\$0.6167	\$0.6326

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 20 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge			
Supply Related	¢ per kWh	0.092	0.094
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.052
Credit & Collections	¢ per kWh	0.022	0.022
Uncollectibles	¢ per kWh	Variable	Variable
Reactive Power Demand Charge (if applicable)			
	per KVAr	\$0.85	\$0.85

Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

Plus:

Please refer to Present Rates
"
"
"
"
"
"

Definition of Rating Periods:

- Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

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Rates in Brief - Rate Year 2

Service Classification No. 21

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$133.00	\$103.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$32.02	\$33.37
Period II	All kW @	per kW		11.29	11.76
Period III	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period I	All kWh @	¢ per kWh		1.553	1.553
Period II	All kWh @	¢ per kWh		1.553	1.553
Period III	All kWh @	¢ per kWh		0.136	0.136
Minimum Charge:				Sum of the Customer Charge and any applicable billing and payment processing charges.	Sum of the Customer Charge and any applicable billing and payment processing charges.
 <u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:		per month		\$60.00	\$60.00
Delivery Charges:					
Contract Demand Charge		per kW		\$9.50	\$9.71
As Used Daily Demand Charge (S)		per kW		\$0.7525	\$0.7697
As Used Daily Demand Charge (W)		per kW		\$0.5084	\$0.5188

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 21 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge

Supply Related	¢ per kWh	0.049	0.048
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.052
Credit & Collections	¢ per kWh	0.008	0.008
Uncollectibles	¢ per kWh	Variable	Variable

Reactive Power Demand Charge (if applicable)

per KVAr	\$0.85	\$0.85
----------	--------	--------

Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

Plus:

Please refer to Present Rates
"
"
"
"
"
"

Definition of Rating Periods:

- Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 2

Service Classification No. 22

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period A	All kW @	per kW		\$18.69	\$19.12
Period B	All kW @	per kW		10.67	10.91
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.710	0.710
Period B	All kWh @	¢ per kWh		0.710	0.710
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Substation:</u>					
Demand Charge					
Period A	All kW @	per kW		\$12.01	\$12.28
Period B	All kW @	per kW		6.62	6.77
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.298	0.298
Period B	All kWh @	¢ per kWh		0.298	0.298
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Transmission:</u>					
Demand Charge					
Period A	All kW @	per kW		\$6.90	\$7.06
Period B	All kW @	per kW		6.03	6.17
Period C	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period A	All kWh @	¢ per kWh		0.126	0.126
Period B	All kWh @	¢ per kWh		0.126	0.126
Period C	All kWh @	¢ per kWh		0.126	0.126
<u>Minimum Charge</u>					
				Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge				\$51.18	\$49.38
Contract Demand Charge		per kW of CD		\$3.72	\$3.59
Contract Demand Charge		per kW of CD		\$6.11	\$5.90

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Rates in Brief - Rate Year 2

Service Classification No. 22 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 4)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$5.93	\$6.05
As Used Daily Demand Charge (S)	per kW	\$0.6349	\$0.6477
As Used Daily Demand Charge (W)	per kW	\$0.4377	\$0.4463
<u>Substation:</u>			
Contract Demand Charge	per kW	\$3.31	\$3.38
As Used Daily Demand Charge	per kW	\$0.4158	\$0.4246
As Used Daily Demand Charge (W)	per kW	\$0.2746	\$0.2801
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.38	\$1.41
As Used Daily Demand Charge	per kW	\$0.3287	\$0.3359
As Used Daily Demand Charge (W)	per kW	\$0.2980	\$0.3044

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Rates in Brief - Rate Year 2

Service Classification No. 22 (Continued)

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.049	0.048
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.052
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.85	\$0.85
Plus:			Plus:	
Energy Cost Adjustment			Please refer to Present Rates	
System Benefits Charge			"	
Renewable Portfolio Standard Charge			"	
Transition Adjustment for Competitive Services			"	
Revenue Decoupling Mechanism Adjustment			"	
Increase in Rates and Charges			"	
Market Supply Charge			"	
Billing and Payment Processing Charge			"	

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

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Rates in Brief - Rate Year 2

Rider J - Smart Home Rate

		Present	Proposed
Customer Charge:	per month	\$20.50	\$21.50
Rate I - Delivery Charges:			
Daily Demand Charges	per kW	\$1.15	\$1.18
Distribution Event Charge	per kW	\$1.76	\$1.80
Transmission Event Charge	per kW	\$0.44	\$0.45
Rate II - Delivery Charges:			
Subscribed Demand Chg	per kW	\$19.25	\$19.64
Distribution Event Charge	per kW	\$19.88	\$20.43
Transmission Event Charge	per kW	\$4.97	\$5.11
Merchant Function Charge			
Supply Related	¢ per kWh	0.166	0.166
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.052
Credit & Collections	¢ per kWh	0.046	0.046
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Revenue Decoupling Mechanism Adjustment			"
Increase in Rates and Charges			"
Market Supply Charges			"
Billing and Payment Processing Charge			"
* Plus any applicable billing and payment processing charges.			

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Rates in Brief - Rate Year 3

Service Classification No. 1

			Present		Proposed	
			<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:	per month		\$21.50	\$21.50	\$22.00	\$22.00
Delivery Charges:						
First 250 kWh	¢ per kWh		9.529	9.529	10.363	10.363
Over 250 kWh	¢ per kWh		11.917	9.529	12.960	10.363
Minimum Charge:						
Monthly*	monthly		\$21.50		\$22.00	
Per Contract	per contract		129.00		132.00	
Merchant Function Charge						
Supply Related	¢ per kWh		0.176		0.190	
Purch Pwr Wrking Cap	¢ per kWh		0.052		0.053	
Credit & Collections	¢ per kWh		0.048		0.052	
Uncollectibles	¢ per kWh		Variable		Variable	
Plus:			Plus:			
Energy Cost Adjustment			Please refer to Present Rates			
System Benefits Charge			"			
Renewable Portfolio Standard Charge			"			
Transition Adjustment for Competitive Services			"			
Revenue Decoupling Mechanism Adjustment			"			
Increase in Rates and Charges			"			
Market Supply Charge			"			
Billing and Payment Processing Charge			"			
* Plus any applicable billing and payment processing charges.						

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 2 Secondary - Non-Demand Billed Customers

				Present		Proposed	
				<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
Customer Charge:							
	Metered Service	per month	\$22.00	\$22.00		\$24.00	\$24.00
	Unmetered Service	per month	19.00	19.00		20.00	20.00
Delivery Charge:							
Usage Charge							
	All kWh	¢ per kWh	8.138	6.013		8.683	6.416
Space Heating:							
	Delivery	¢ per kWh	13.958	3.488		14.943	3.734
Minimum Charge			Customer Charge*		Customer Charge*		
Merchant Function Charge							
	Supply Related	¢ per kWh	0.094			0.099	
	Purch Pwr Wrking Cap	¢ per kWh	0.052			0.053	
	Credit & Collections	¢ per kWh	0.022			0.023	
	Uncollectibles	¢ per kWh	Variable			Variable	
Plus:						Plus:	
	Energy Cost Adjustment				Please refer to Present Rates		
	System Benefits Charge				"		
	Renewable Portfolio Standard Charge				"		
	Transition Adjustment for Competitive Services				"		
	Revenue Decoupling Mechanism Adjustment				"		
	Increase in Rates and Charges				"		
	Market Supply Charge				"		
	Billing and Payment Processing Charge				"		

* Plus any applicable billing and payment processing charges.

Service Classification No. 2 Secondary Demand Billed

* Plus any applicable billing and payment processing charges.

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Rates in Brief - Rate Year 3

Service Classification No. 2 Secondary Demand Billed (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh	0.094		0.099
Purch Pwr Wrking Cap	¢ per kWh	0.052		0.053
Credit & Collections	¢ per kWh	0.022		0.023
Uncollectibles	¢ per kWh	Variable		Variable
Reactive Power Demand Charge (if applicable)				
	per KVAR	\$0.85		\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 2 Primary

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$39.00	\$39.00	\$41.00	\$41.00
Delivery Charge:					
Demand Charge	per kW	\$19.51	\$10.83	\$20.94	\$11.62
Usage Charge	¢ per kWh	0.786	0.786	0.786	0.786
Minimum Charge		Customer Charge plus the demand charges*		Customer Charge plus the demand charges*	
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:	per month	\$40.00	\$40.00	\$40.00	\$40.00
Delivery Charges:					
Contract Demand Charge	per kW	\$5.74	\$5.74	\$6.09	\$6.09
As Used Daily Demand Charge	per kW	\$0.6720	\$0.4602	\$0.7157	\$0.4882
* Plus any applicable billing and payment processing charges.					

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Rates in Brief - Rate Year 3

Service Classification No. 2 Primary (Continued)

Charges Applicable to Both Standard and Standby Service Rates

			Present	Proposed
Merchant Function Charge				
Supply Related	¢ per kWh		0.048	0.050
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.053
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Reactive Power Demand Charge (if applicable)				
	per KVAr		\$0.85	\$0.85
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

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Rates in Brief - Rate Year 3

Service Classification No. 3

		Present		Proposed	
		<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>
<u>Standard Rates</u>					
Customer Charge:	per month	\$80.00	\$80.00	\$60.00	\$60.00
Delivery Charge:					
Demand Charge	per kW	\$23.82	\$13.48	\$24.60	\$13.92
Usage Charge	¢ per kWh	0.696	0.696	0.696	0.696
Minimum Charge:		\$80.00	plus the demand charges*	\$60.00	plus the demand charges*
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:	per month	\$60.00	\$60.00	\$60.00	\$60.00
Delivery Charges:					
Contract Demand Charge	per kW	\$9.71	\$9.71	\$9.97	\$9.97
As Used Daily Demand Charge	per kW	\$0.7697	\$0.5188	\$0.7915	\$0.5323
<u>Charges Applicable to Both Standard and Standby Service Rates</u>					
Merchant Function Charge					
Supply Related	¢ per kWh	0.048		0.050	
Purch Pwr Wrking Cap	¢ per kWh	0.052		0.053	
Credit & Collections	¢ per kWh	0.008		0.008	
Uncollectibles		Variable		Variable	

**Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 3 (Continued)

Charges Applicable to Both Standard and Standby Service Rates (Continued)

Reactive Power Demand Charge (if applicable)			
per KVAR	\$0.85		\$0.85
Plus:		Plus:	
Energy Cost Adjustment		Please refer to Present Rates	
System Benefits Charge		"	
Renewable Portfolio Standard Charge		"	
Transition Adjustment for Competitive Services		"	
Revenue Decoupling Mechanism Adjustment		"	
Increase in Rates and Charges		"	
Market Supply Charge		"	
Billing and Payment Processing Charge		"	

* Plus any applicable billing and payment processing charges.

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Rates in Brief - Rate Year 3

Service Classification No. 4

Luminaries Charge, per month

Nominal			Present	Proposed	
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Total Wattage</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$12.13	\$12.98
9,500	Sodium Vapor	100	142	13.24	14.16
16,000	Sodium Vapor	150	199	15.72	16.82
27,500	Sodium Vapor	250	311	21.02	22.49
46,000	Sodium Vapor	400	488	29.44	31.49
<u>Off-Roadway Luminaires</u>					
27,500	Sodium Vapor	250	311	\$27.25	\$29.15
46,500	Sodium Vapor	400	488	33.69	36.04
<u>LED Street Lighting Luminaires</u>					
3,000	LED	15-29	23	\$10.80	\$11.55
3,900	LED	30-39	35	10.92	11.68
5,000	LED	40-59	50	11.03	11.80
7,250	LED	60-89	68	12.19	13.04
12,000	LED	90-129	103	12.83	13.73
16,000	LED	130-169	140	14.10	15.08
22,000	LED	170-220	200	19.22	20.56

The following luminaires will no longer be installed. Charges are for existing luminaires only.

600 Open Bottom Inc	52	52	\$5.99	\$6.41
1,000 Open Bottom Inc	92	92	8.17	8.74
4,000 Mercury Vapor PB	100	127	9.63	10.30
4,000 Mercury Vapor	100	127	10.89	11.65
7,900 Mercury Vapor PB	175	215	11.81	12.63
7,900 Mercury Vapor	175	211	13.21	14.13
12,000 Mercury Vapor	250	296	17.30	18.51
22,500 Mercury Vapor	400	459	22.10	23.64
59,000 Mercury Vapor	1,000	1,105	43.41	46.44
130,000 Sodium Vapor	1,000	1,120	61.97	66.29

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 4 (Continued)

The following luminaires will no longer be installed. Charges are for existing luminaires only.

Luminaries Charge, per month

			Present	Proposed
Nominal <u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
5,890 LED		70	\$13.26	\$14.19
9,365 LED		100	15.04	16.09
3,400 Induction		40	13.23	14.15
12,750 Induction		150	18.04	19.30
Additional Charge:				
UG Svc- Customer owned and maintained duct		per month	\$4.67	\$5.00
15 Foot Brackets		\$ per month	0.44	0.47
Merchant Function Charge				
Supply Related		¢ per kWh	0.094	0.099
Purch Pwr Wrking Cap		¢ per kWh	0.052	0.053
Credit & Collections		¢ per kWh	0.022	0.023
Uncollectibles		¢ per kWh	Variable	Variable
Plus:				Plus:
Energy Cost Adjustment				Please refer to Present Rates
System Benefits Charge				"
Renewable Portfolio Standard Charge				"
Transition Adjustment for Competitive Services				"
Revenue Decoupling Mechanism Adjustment				"
Increase in Rates and Charges				"
Market Supply Charge				"
Billing and Payment Processing Charge				"

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 5

		Present	Proposed
		<u>Year-round</u>	<u>Year-round</u>
Delivery Charge:	¢ per kWh	10.270	10.985
Merchant Function Charge			
Supply Related	¢ per kWh	0.094	0.099
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.053
Credit & Collections	¢ per kWh	0.022	0.023
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Increase in Rates and Charges			"
Market Supply Charge			"
Billing and Payment Processing Charge			"

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 6

		Present	Proposed
		<u>Year-round</u>	<u>Year-round</u>
Delivery Charges for Service Types A & B: ¢ per kWh		8.246	8.415
Delivery Charges for Service Type C:			
Customer Charge		\$24.00	\$24.00
Delivery Charge	¢ per kWh	7.657	7.814
Merchant Function Charge			
Supply Related	¢ per kWh	0.094	0.099
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.053
Credit & Collections	¢ per kWh	0.022	0.023
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Revenue Decoupling Mechanism Adjustment			"
Increase in Rates and Charges			"
Market Supply Charge			"
Billing and Payment Processing Charge			"

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 9

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:			per month	\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period A	All kW @		per kW	\$25.24	\$25.91
Period B	All kW @		per kW	11.85	12.16
Period C	All kW @		per kW	No Charge	No Charge
Usage Charge					
Period A	All kWh @		¢ per kWh	0.441	0.441
Period B	All kWh @		¢ per kWh	0.441	0.441
Period C	All kWh @		¢ per kWh	0.164	0.164
<u>Substation:</u>					
Demand Charge					
Period A	All kW @		per kW	\$18.25	\$18.73
Period B	All kW @		per kW	8.25	8.47
Period C	All kW @		per kW	No Charge	No Charge
Usage Charge					
Period A	All kWh @		¢ per kWh	0.244	0.244
Period B	All kWh @		¢ per kWh	0.244	0.244
Period C	All kWh @		¢ per kWh	0.150	0.150
<u>Transmission:</u>					
Demand Charge					
Period A	All kW @		per kW	\$9.00	\$9.24
Period B	All kW @		per kW	6.13	6.29
Period C	All kW @		per kW	No Charge	No Charge
Usage Charge					
Period A	All kWh @		¢ per kWh	0.139	0.139
Period B	All kWh @		¢ per kWh	0.139	0.139
Period C	All kWh @		¢ per kWh	0.131	0.131

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 9 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 3)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$7.26	\$7.43
As Used Daily Demand Charge (S)	per kW	\$0.7349	\$0.7533
As Used Daily Demand Charge (W)	per kW	\$0.4050	\$0.4145
<u>Substation:</u>			
Contract Demand Charge	per kW	\$4.78	\$4.90
As Used Daily Demand Charge	per kW	\$0.5023	\$0.5119
As Used Daily Demand Charge (W)	per kW	\$0.3437	\$0.3533
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.62	\$1.66
As Used Daily Demand Charge	per kW	\$0.3934	\$0.4030
As Used Daily Demand Charge (W)	per kW	\$0.2922	\$0.2990
<u>Minimum Charge</u>			
		Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge		\$51.18	\$50.56
Contract Demand Charge - Pri	per kW of CD	\$3.72	\$3.68
Contract Demand Charge - Sec	per kW of CD	\$6.11	\$6.04

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 9 (Continued)

			Present	Proposed
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.048	0.050
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.053
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh	Variable		Variable
Reactive Power Demand Charge (if applicable)				
	per KVA _r		\$0.85	\$0.85
Plus:			Plus:	
Energy Cost Adjustment			Please refer to Present Rates	
System Benefits Charge			"	
Renewable Portfolio Standard Charge			"	
Transition Adjustment for Competitive Services			"	
Revenue Decoupling Mechanism Adjustment			"	
Increase in Rates and Charges			"	
Market Supply Charge			"	
Billing and Payment Processing Charge			"	

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 15

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
Customer Charge*:				
SC Nos. 2 Secondary and 20	per month		\$38.00	\$38.00
SC No. 2 Primary	per month		\$40.00	\$40.00
SC Nos. 3 and 21	per month		\$60.00	\$60.00
SC No. 9	per month		\$500.00	\$500.00
SC No. 22	per month		\$500.00	\$500.00
Contract Demand Charge*				
SC Nos. 2 Secondary and 20	per kW		\$5.68	\$5.97
SC No. 2 Primary	per kW		\$5.74	\$6.09
SC Nos. 3 and 21	per kW		\$9.71	\$9.97
SC No. 9 - Primary	per kW		\$7.26	\$7.43
SC No. 9 - Substation	per kW		\$4.78	\$4.90
SC No. 9 - Transmission	per kW		\$1.62	\$1.66
SC No. 22 - Primary	per kW		\$6.05	\$6.20
SC No. 22 - Substation	per kW		\$3.38	\$3.47
SC No. 22 - Transmission	per kW		\$1.41	\$1.44
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.85	\$0.85
* Based on what the customer's otherwise applicable service classification is.				
Plus:			Plus:	
Increase in Rates and Charges			Please refer to Present Rates	

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 16

Luminaries Charge, per month

				Present	Proposed
Nominal <u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	Total <u>Wattage</u>	<u>Delivery Charge</u>	<u>Delivery Charge</u>
<u>Power Bracket Luminaires</u>					
5,800	Sodium Vapor	70	108	\$22.45	\$24.03
9,500	Sodium Vapor	100	142	24.00	25.69
16,000	Sodium Vapor	150	199	28.21	30.20
<u>Street Lighting Luminaires</u>					
5,800	Sodium Vapor	70	108	\$24.57	\$26.30
9,500	Sodium Vapor	100	142	26.20	28.05
16,000	Sodium Vapor	150	199	30.32	32.46
27,500	Sodium Vapor	250	311	38.64	41.37
46,000	Sodium Vapor	400	488	53.05	56.79
3,000	LED	15-29	23	10.88	10.88
3,900	LED	30-39	35	11.00	11.00
5,000	LED	40-59	50	11.12	11.12
7,250	LED	60-89	68	12.28	12.28
12,000	LED	90-129	103	12.93	12.93
16,000	LED	130-169	140	14.21	14.21
22,000	LED	170-220	200	19.37	19.37
<u>Flood Lighting Luminaires</u>					
27,500	Sodium Vapor	250	311	\$38.64	\$41.37
46,000	Sodium Vapor	400	488	53.05	56.79
15,000	LED	100-159	125	13.91	13.91
27,000	LED	160-249	205	16.40	16.40
37,500	LED	230-320	290	18.91	18.91
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Power Bracket Luminaires</u>					
4,000	Mercury Vapor	100	127	\$20.61	\$22.06
7,900	Mercury Vapor	175	215	23.86	25.54
22,500	Mercury Vapor	400	462	34.27	36.69
3,950	LED	25-39	35	9.23	9.23
5,550	LED	44-55	50	9.30	9.30
7,350	LED	56-70	65	9.39	9.39
<u>Street Lighting Luminaires</u>					
21,250	Induction	250	263	\$46.05	\$49.30
4,000	Mercury Vapor	100	127	22.59	24.18
7,900	Mercury Vapor	175	211	26.15	27.99
12,000	Mercury Vapor	250	296	32.93	35.25
22,500	Mercury Vapor	400	459	40.56	43.42
40,000	Mercury Vapor	700	786	60.02	64.25
59,000	Mercury Vapor	1,000	1,105	74.89	80.17
1,000	Incandescent	92	92	17.95	19.22
5,890	LED	70	74	32.70	35.01
9,365	LED	100	101	35.35	37.84

Orange and Rockland Utilities, Inc.
Case 21-E-0074

Rates in Brief - Rate Year 3

Service Classification No. 16 (Continued)

				Present	Proposed
Nominal			Total	Delivery	Delivery
<u>Lumens</u>	<u>Luminaires Type</u>	<u>Watts</u>	<u>Wattage</u>	<u>Charge</u>	<u>Charge</u>
The following luminaires will no longer be installed. Charges are for existing luminaires only.					
<u>Flood Lighting Luminaires</u>					
12,000	Mercury Vapor	250	296	\$32.93	\$35.25
22,500	Mercury Vapor	400	459	40.56	43.42
40,000	Mercury Vapor	700	786	60.02	64.25
59,000	Mercury Vapor	1,000	1,105	74.89	80.17
15 Foot	Brackets		\$ per month	0.76	0.81
Delivery Charges for Service Type C:					
Customer Charge (Metered)		per month		\$24.00	\$24.00
Customer Charge (Unmetered)		per month		19.00	20.00
Delivery Charge		¢ per kWh		7.657	8.541
Merchant Function Charge					
Supply Related		¢ per kWh		0.094	0.099
Purch Pwr Wrking Cap		¢ per kWh		0.052	0.053
Credit & Collections		¢ per kWh		0.022	0.023
Uncollectibles		¢ per kWh		Variable	Variable
Plus:				Plus:	
Energy Cost Adjustment				Please refer to Present Rates	
System Benefits Charge				"	
Renewable Portfolio Standard Charge				"	
Transition Adjustment for Competitive Services				"	
Increase in Rates and Charges				"	
Market Supply Charge				"	
Billing and Payment Processing Charge				"	

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 19

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$32.00	\$32.00
Delivery Charges:					
	Period I	All kWh @	¢ per kWh	38.649	41.846
	Period II	All kWh @	¢ per kWh	13.829	14.973
	Period III	All kWh @	¢ per kWh	13.829	14.973
	Period IV	All kWh @	¢ per kWh	2.489	2.695
Merchant Function Charge					
	Supply Related		¢ per kWh	0.176	0.190
	Purch Pwr Wrking Cap		¢ per kWh	0.052	0.053
	Credit & Collections		¢ per kWh	0.048	0.052
	Uncollectibles		¢ per kWh	Variable	Variable
Minimum Charge:		per contract (not less than) plus applicable billing and payment processing charges		\$384.00	\$384.00
Plus:					Plus:
	Energy Cost Adjustment				Please refer to Present Rates
	System Benefits Charge				"
	Renewable Portfolio Standard Charge				"
	Transition Adjustment for Competitive Services				"
	Revenue Decoupling Mechanism Adjustment				"
	Increase in Rates and Charges				"
	Market Supply Charge				"
	Billing and Payment Processing Charge				"

Definition of Rating Periods:

Period I -	12:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period II -	10:00 a.m. to 12:00 p.m. and 7:00 p.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
Period III -	10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
Period IV -	9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 20

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$40.00	\$40.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$33.69	\$35.72
Period II	All kW @	per kW		14.42	15.29
Period III	All kW @	per kW		0.65	0.73
Usage Charge					
Period I	All kWh @	¢ per kWh		3.592	3.592
Period II	All kWh @	¢ per kWh		0.863	0.863
Period III	All kWh @	¢ per kWh		0.064	0.048
Minimum Charge:				Sum of the Customer Charge and \$120.00 plus any applicable billing and payment processing charges.	Sum of the Customer Charge and \$120.00 plus any applicable billing and payment processing charges.
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 1)</u>					
Customer Charge:		per month		\$38.00	\$38.00
Delivery Charges:					
Contract Demand Charge		per kW		\$5.68	\$5.97
As Used Daily Demand Charge (S)		per kW		\$0.9174	\$0.9672
As Used Daily Demand Charge (W)		per kW		\$0.6326	\$0.6634

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 20 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge			
Supply Related	¢ per kWh	0.094	0.099
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.053
Credit & Collections	¢ per kWh	0.022	0.023
Uncollectibles	¢ per kWh	Variable	Variable
Reactive Power Demand Charge (if applicable)			
	per KVAr	\$0.85	\$0.85

Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

Plus:

Please refer to Present Rates
"
"
"
"
"
"

Definition of Rating Periods:

- Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 21

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
Customer Charge:		per month		\$103.00	\$73.00
Delivery Charges:					
Demand Charge					
Period I	All kW @	per kW		\$33.37	\$35.56
Period II	All kW @	per kW		11.76	12.53
Period III	All kW @	per kW		No Charge	No Charge
Usage Charge					
Period I	All kWh @	¢ per kWh		1.553	1.553
Period II	All kWh @	¢ per kWh		1.553	1.553
Period III	All kWh @	¢ per kWh		0.136	0.136
Minimum Charge:				Sum of the Customer Charge and any applicable billing and payment processing charges.	Sum of the Customer Charge and any applicable billing and payment processing charges.
 <u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 2)</u>					
Customer Charge:		per month		\$60.00	\$60.00
Delivery Charges:					
Contract Demand Charge		per kW		\$9.71	\$9.97
As Used Daily Demand Charge (S)		per kW		\$0.7697	\$0.7915
As Used Daily Demand Charge (W)		per kW		\$0.5188	\$0.5323

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 21 (Continued)

Charges Applicable to Both Standard and Standby Service Rates

Merchant Function Charge

Supply Related	¢ per kWh	0.048	0.050
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.053
Credit & Collections	¢ per kWh	0.008	0.008
Uncollectibles	¢ per kWh	Variable	Variable

Reactive Power Demand Charge (if applicable)

per KVAr	\$0.85	\$0.85
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Plus:

Energy Cost Adjustment
System Benefits Charge
Renewable Portfolio Standard Charge
Transition Adjustment for Competitive Services
Revenue Decoupling Mechanism Adjustment
Increase in Rates and Charges
Market Supply Charge
Billing and Payment Processing Charge

Plus:

Please refer to Present Rates
"
"
"
"
"
"

Definition of Rating Periods:

- Period I - 1:00 p.m. to 7:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period II - 10:00 a.m. to 9:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period III - 7:00 p.m. to 1:00 p.m. prevailing time, Monday through Friday, June through September; 9:00 p.m. to 10:00 a.m. prevailing time, Monday through Friday, October through May; all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
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Rates in Brief - Rate Year 3

Service Classification No. 22

				Present	Proposed
				<u>Year-round</u>	<u>Year-round</u>
<u>Standard Rates</u>					
Customer Charge:		per month		\$500.00	\$500.00
Delivery Charges:					
<u>Primary:</u>					
Demand Charge					
Period	A	All kW @	per kW	\$19.12	\$19.65
Period	B	All kW @	per kW	10.91	11.21
Period	C	All kW @	per kW	No Charge	No Charge
Usage Charge					
Period	A	All kWh @	¢ per kWh	0.710	0.710
Period	B	All kWh @	¢ per kWh	0.710	0.710
Period	C	All kWh @	¢ per kWh	0.126	0.126
<u>Substation:</u>					
Demand Charge					
Period	A	All kW @	per kW	\$12.28	\$12.62
Period	B	All kW @	per kW	6.77	6.96
Period	C	All kW @	per kW	No Charge	No Charge
Usage Charge					
Period	A	All kWh @	¢ per kWh	0.298	0.298
Period	B	All kWh @	¢ per kWh	0.298	0.298
Period	C	All kWh @	¢ per kWh	0.126	0.126
<u>Transmission:</u>					
Demand Charge					
Period	A	All kW @	per kW	\$7.06	\$7.25
Period	B	All kW @	per kW	6.17	6.34
Period	C	All kW @	per kW	No Charge	No Charge
Usage Charge					
Period	A	All kWh @	¢ per kWh	0.126	0.126
Period	B	All kWh @	¢ per kWh	0.126	0.126
Period	C	All kWh @	¢ per kWh	0.126	0.126
<u>Minimum Charge</u>					
				Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.	Sum of the Customer Charge, Min. Monthly Demand Charge, contract demand charge, the reactive power demand charge, and any applicable billing and payment processing charges.
Min. Monthly Demand Charge				\$51.18	\$50.56
Contract Demand Charge		per kW of CD		\$3.72	\$3.68
Contract Demand Charge		per kW of CD		\$6.11	\$6.04

**Orange and Rockland Utilities, Inc.
Case 21-E-0074**

Rates in Brief - Rate Year 3

Service Classification No. 22 (Continued)

		Present	Proposed
<u>Standby Rates (Presently Listed in Tariff as SC No. 25 - Rate 4)</u>			
Customer Charge:	per month	\$500.00	\$500.00
Delivery Charges:			
<u>Primary:</u>			
Contract Demand Charge	per kW	\$6.05	\$6.20
As Used Daily Demand Charge (S)	per kW	\$0.6477	\$0.6638
As Used Daily Demand Charge (W)	per kW	\$0.4463	\$0.4567
<u>Substation:</u>			
Contract Demand Charge	per kW	\$3.38	\$3.47
As Used Daily Demand Charge	per kW	\$0.4246	\$0.4355
As Used Daily Demand Charge (W)	per kW	\$0.2801	\$0.2873
<u>Transmission:</u>			
Contract Demand Charge	per kW	\$1.41	\$1.44
As Used Daily Demand Charge	per kW	\$0.3359	\$0.3447
As Used Daily Demand Charge (W)	per kW	\$0.3044	\$0.3127

Rates in Brief - Rate Year 3

Service Classification No. 22 (Continued)

			Present	Proposed
			<u>Year-round</u>	<u>Year-round</u>
<u>Charges Applicable to Both Standard and Standby Service Rates</u>				
Merchant Function Charge				
Supply Related	¢ per kWh		0.048	0.050
Purch Pwr Wrking Cap	¢ per kWh		0.052	0.053
Credit & Collections	¢ per kWh		0.008	0.008
Uncollectibles	¢ per kWh		Variable	Variable
Reactive Power Demand Charge (if applicable)				
	per KVAR		\$0.85	\$0.85
Plus:			Plus:	
Energy Cost Adjustment			Please refer to Present Rates	
System Benefits Charge			"	
Renewable Portfolio Standard Charge			"	
Transition Adjustment for Competitive Services			"	
Revenue Decoupling Mechanism Adjustment			"	
Increase in Rates and Charges			"	
Market Supply Charge			"	
Billing and Payment Processing Charge			"	

Definition of Rating Periods:

- Period A - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, June through September.
- Period B - 8:00 a.m. to 11:00 p.m. prevailing time, Monday through Friday, except holidays, October through May.
- Period C - 11:00 p.m. to 8:00 a.m. prevailing time, Monday through Friday, all hours on Saturday, Sunday and holidays, all months.

Orange and Rockland Utilities, Inc.
Case 21-E-0074

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Rates in Brief - Rate Year 3

Rider J - Smart Home Rate

		Present	Proposed
Customer Charge:	per month	\$21.50	\$22.00
Rate I - Delivery Charges:			
Daily Demand Charges	per kW	\$1.18	\$1.24
Distribution Event Charge	per kW	\$1.80	\$1.89
Transmission Event Charge	per kW	\$0.45	\$0.47
Rate II - Delivery Charges:			
Subscribed Demand Chg	per kW	\$19.64	\$20.69
Distribution Event Charge	per kW	\$20.43	\$21.36
Transmission Event Charge	per kW	\$5.11	\$5.34
Merchant Function Charge			
Supply Related	¢ per kWh	0.176	0.190
Purch Pwr Wrking Cap	¢ per kWh	0.052	0.053
Credit & Collections	¢ per kWh	0.048	0.052
Uncollectibles	¢ per kWh	Variable	Variable
Plus:			Plus:
Energy Cost Adjustment			Please refer to Present Rates
System Benefits Charge			"
Renewable Portfolio Standard Charge			"
Transition Adjustment for Competitive Services			"
Revenue Decoupling Mechanism Adjustment			"
Increase in Rates and Charges			"
Market Supply Charges			"
Billing and Payment Processing Charge			"
* Plus any applicable billing and payment processing charges.			

Orange and Rockland Utilities, Inc.
Case 21-G-0073

GAS REVENUE ALLOCATION AND RATE DESIGN

1. Revenue Allocation

Two adjustments were made to the incremental revenue requirement before allocating it among customer classes. The first adjustment to the incremental revenue requirement for each Rate Year (“RY”)¹ is the subtraction of amounts included for New York State Gross Receipts and Franchise Tax surcharge revenues, Municipal Tax surcharge revenues and Metropolitan Transportation Authority Business Tax surcharge revenues. The second adjustment was made to offset the incremental credits that are projected to be paid to low income residential customers in each RY.²

For each RY, before the adjusted incremental revenue requirement was applied to each customer class, the RY delivery revenues for each class were realigned in a revenue neutral manner to reduce interclass deficiencies and surpluses as indicated by the embedded cost of service (“ECOS”) study. In each RY, deficiency and surplus indications have been reduced by one-third. The RY delivery revenue increase was then allocated among the Service Classifications (“SC”) in proportion to the relative contribution made by each SC’s realigned RY delivery revenue to the total realigned RY delivery revenue. The delivery revenue changes by SC for each RY were mitigated in a manner such that each SC did not receive a revenue change that was no more than 1.2 times or less than 0.3 times the overall RY delivery revenue change.

¹ RY 1 is defined as the 12 months ending December 31, 2022, RY2 is defined as the 12 months ending December 31, 2023, and RY3 is defined as the 12 months ending December 31, 2024.

² This adjustment was \$1,644,485 in RY1 with no incremental increases in RY2 and RY3.

2. Rate Design

The rate design process for each RY for firm rates consists of the following five steps:

- Determine revised competitive service charges and associated delivery revenue changes.
- Adjust class-specific delivery revenue increases to determine non-competitive delivery revenue increases.
- Determine first block charges and associated changes in delivery revenue.
- Implement intraclass rate structure changes.
- Adjust class-specific non-competitive delivery revenue increases for revenue changes associated with increases in first block charges; and apply non-competitive delivery revenue increases, adjusted for revenue changes associated with increases in first block charges, on a common percentage basis to the per-Ccf charges within each SC.

a. Revised Competitive Service Charges and Associated Delivery Revenue Changes

- (i) The competitive delivery components include the billing and payment processing ("BPP") charge; the Merchant Function Charge ("MFC") fixed components, that is the MFC procurement and credit and collections components; and the purchase of receivables ("POR") credit and collections ("C&C") component. For each RY, revised revenue levels for the MFC fixed components and the POR C&C component were based on percentages of delivery revenue as determined in the ECOS study. Based on ECOS study indications, the BPP charge has been increased in RY1 from \$1.30 to \$1.50. The incremental revenue associated with

the change in the BPP charge was based on the number of forecasted bills times the incremental BPP charge.

The revised competitive service charge revenue levels for each RY were compared with competitive service charge revenues determined based on competitive service charges for the previous RY to determine the change in competitive service revenues.

b. Determination of Class-Specific Non-Competitive Delivery Revenue Increases

For each RY, the revenue changes associated with the competitive service charges were used to adjust the class-specific delivery revenue increases to determine class-specific non-competitive delivery revenue increases.

c. Intraclass Rate Structure Changes

The following rate structure changes were made in a revenue neutral manner before applying the non-competitive delivery revenue increase within each of the affected SCs.

- For SC No. 1 and SC No. 6 1A, in each RY, the Company reduced the differential between the 2nd and 3rd rate block such that in Rate Year 3, the rates for the 2nd and 3rd block were set equal.
- For SC No. 2 and SC No. 6 IB, in each RY, the Company began a gradual process to flatten the block rates. The Company will file a proposal in its next base rate case to continue the flattening of the block rate structure for these classes.

d. Revised First Block Charges and Associated Delivery Revenue Changes

The following summarizes the first block charges in each RYU

SC	RY1	RY2	RY3
SC1 / SC6 1A	\$20.00	\$21.00	\$22.00
SC2 / SC6 1B	31.00	32.00	33.00

e. Application of Delivery Revenue Increase Adjusted for Revenue Associated with First Block Charges Within Each Service Classification

For RY1, the remaining incremental revenue requirement in each class, after subtracting any revenue associated with changes in the first block charges as described above, was applied to all rate block charges, except the first block charges, on an equal percentage basis. The revenue impacts of the rate design changes on firm customers are summarized in Schedule 1 of this Appendix.

3. Unbundled Charges

a. Merchant Function Charge

For the term of the Gas Rate Plan, the Company will continue to implement the MFC, as set forth in the Company's gas tariff. The MFC fixed component monthly targets (commodity procurement and credit and collections) for RY1, RY2 and RY3 are set forth in Schedule 4 of this Appendix.

b. Transition Adjustment for Competitive Services

For the term of the Gas Rate Plan, the Company will continue to implement the Transition Adjustment for Competitive Services ("TACS"), as set forth in the Company's gas tariff, modified as follows.

The Company will no longer reconcile the difference between the POR C&C revenue target and the POR C&C actual revenue through the TACS mechanism and will instead do so through the POR Discount. The TACS section of the gas tariff will be amended to remove the POR C&C reconciliation commencing with the TACS that will become

effective January 1, 2023, since the TACS effective January 1, 2022 will be reconciling the POR C&C revenue target and actual revenue for RY 3 of the current rate plan.

c. POR Discount

For the term of the Gas Rate Plan, the Company will continue to implement the POR discount, as set forth in the Company's gas tariff, modified as follows.

The Company will collect the difference between the POR C&C revenue target and actual revenue as a component of the POR discount (*i.e.*, on a percentage basis applicable to ESCOs rather than on a \$/Ccf basis applicable to firm customers). The POR C&C reconciliation has been added as a component of the POR discount percentage commencing with the POR discount percentage effective January 1, 2023. The POR C&C component monthly targets for each RY are set forth in Schedule 4 of this Appendix.

d. BPP Charge

The Company's BPP charge will increase from \$1.30 per bill to \$1.50 per bill.

4. Distributed Generation Rates

The rates for service under Rider B (non-residential DG rate) and Rider C (residential DG rate) have been increased at the percentage increases in per Ccf delivery service revenues for the otherwise applicable service classification (*i.e.*, SC No. 2 for Rider B and SC No. 1 for Rider C).

5. Additional Items for Collection through the Monthly Cost Adjustment

As set forth in Appendix 9, the Monthly Gas Adjustment ("MGA") will be amended to include recovery for the following items: (1) the NPA Adjustment Mechanism; (2) the Late Payment Charge Reconciliation; and (3) the COVID Uncollectible Expenses Variance.

These three items will become separate components of the MGA and collections or credits to firm customers through such mechanism will occur once results are known after the end of each RY. Recovery will be over a 12-month period. Recovery will be on a Ccf basis with a uniform factor developed, based on forecast Ccf over the respective recovery period, and applied to all deliveries on the bills of all customers served under SC Nos. 1, 2, and 6. Recoveries (eleven months actual, one month forecast) will be reconciled to allocable costs for each 12-month recovery period, with any over- or under-recoveries included in the development of the succeeding components of the MGA. Reconciliation amounts related to the one-month forecast will be included in the next subsequent rates determination.

6. Make Whole Provisions

If the Commission makes rates effective for RY1 after January 1, 2022, the Company will implement a make whole provision. Differences in non-competitive delivery service revenues that result from the extension of the Case 21-G-0073 suspension period plus interest at the Commission's Other Customer Capital Rate will be collected via the implementation of a Delivery Revenue Surcharge ("DRS").³ The DRS will be in effect on the date rates become effective in this case through the remainder of RY1. The unit amount to be collected from customers will be shown by SC on the Statement of Delivery Revenue Surcharge. Any difference between amounts required to be collected and actual amounts collected will be charged or credited to customers in a subsequent DRS Statement that will become effective March 1, 2023.

³ Competitive services' revenue differences associated with the extension of the Case 21-G-0073 suspension period will be reconciled and surcharged or recovered through the TACS.

6. Tariff Filing Dates

By January 1, 2022, 2023 and 2024, the Company will file tariff revisions implementing the rate changes for RY1, RY2, and RY3, respectively,⁴ unless the Commission makes rates effective for RY1 after January 1, 2022 in this proceeding, at which time the Company will place RY1 rates into effect on another date subject to the make whole provisions described above.

⁴ The tariff filings for RY2 and RY3 will be made at least 30 days prior to the effective date of new rates.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Appendix 18 - Gas Revenue Allocation and Rate Design

Index of Schedules

Schedule 1	Page 1	Impact of RY1 Rate Change on Total Revenue
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Schedule 2	Page 1	Impact of RY2 Rate Change on Total Revenue
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Schedule 3	Page 1	Impact of RY3 Rate Change on Total Revenue
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Schedule 4		Summary of MFC Targets by Month
Schedule 5		Rates in Brief - RY1
Schedule 6		Rates in Brief - RY2
Schedule 7		Rates in Brief - RY3

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Impact of Proposed Rate Change on Total Firm Revenue - Company Impact - No Temporary Credit
For the Rate Year Twelve Months Ending December 31, 2022 (1) (2)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

<u>Service Classification</u>	<u>Type of Service</u>	<u>Total Sales (Mcf)</u>	<u>Customers</u>	<u>Revenue At Current Rates (\$000's)</u>	<u>Revenue At Proposed Rates (\$000's)</u>	<u>Change (\$000's)</u>	<u>Percent Change</u>
1 / 6 IA	Residential	14,696,813	128,632	\$ 197,138.5	\$ 200,855.7	\$ 3,717.2	1.9%
1 / 6 1A	Non Residential	1,060,144	6,186	13,766.3	14,179.3	413.0	3.0%
2 / 6 IB	Commercial	4,419,648	5,865	42,992.9	43,238.8	245.9	0.6%
6 II	Large Commercial	<u>1,226,494</u>	<u>96</u>	<u>11,205.4</u>	<u>11,251.1</u>	<u>45.7</u>	<u>0.4%</u>
	Total Firm	21,403,099	140,779	\$ 265,103.1	\$ 269,524.9	\$ 4,421.8	1.7%

1. For comparison purposes, an estimated cost of gas supply has been included in the SC No. 6 revenue. This is equivalent on a per unit basis, to the cost of gas supply included in SC No. 1 and 2 revenues.
2. Revenue at Current Rates excludes temporary credit revenues from Rate Year 3 of Case 18-G-0068.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Calculation of Incremental Revenue Requirement for Rate Year 1

Based on Levelized Revenue Requirement

a. Incremental Revenue Requirement for the Rate Year Including Gross Receipts/MTA Taxes (1)	\$4,421,433
b. Less Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>\$74,000</u>
c. Incremental Revenue Requirement for the Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$4,347,433
d. Low Income Credits	\$1,644,845
e. Total Revenue Requirement + Low Income Credits (c + d)	\$5,992,278
f. Rate Year Bundled Delivery Revenues for the Rate Year for Firm Service Classification Nos. 1, 2, and 6	\$160,901,233
g. Rate Year Overall Percentage Increase in Delivery Revenues (e / f)	3.72420%
h. RY Overall Percentage Increase in Del Revenues less Low Income Credits (c / f)	2.70193%

Note:

1. Twelve months ending December 31, 2022
2. GRT/MTA Gross Up Included in Rev Req = 1.68%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 1

Based on Levelized Revenue Requirement

	(1)	(2)	(3)=(1)+(2)	(4)	(5)=(3)+(4)	(6)=(2)+(4)	(7)	(8)	(9)	(10)=(6)+(8)+(9)	(11)=(1)+(10)	(12)=(10)/(1)
Class	Rate Year Bundled Delivery Rev. (\$)	(Surplus)/ Deficiency (a) (\$)	Adjusted Rate Year Del Revenue (\$)	Rate Increase 3.724% (\$)	Adj Delivery Rev incl Rate Incr at Rate Yr Rate Level (\$)	Rate Year Increase Incl. (Sur)/Def (\$)	Rate Year % Increase	Mitigation Adj (b) (\$)	Mitigation Increase (\$)	Adj. Rate Year Incl. (Sur)/Def Incl. Mit. Adj./Dec. (\$)	Adj RY Bundled Del Revenue At RY Level (\$)	Adjusted Rate Year % Increase
SC Nos. 1 & 6 RS IA	135,235,720	1,497,652	136,733,372	5,092,224	141,825,596	6,589,876	4.87%	(546,137)	(338,205)	5,705,533	140,941,253	4.22%
SC Nos. 2 & 6 RS 1B & II	25,665,513	(1,497,652)	24,167,862	900,060	25,067,922	(597,592)	-2.33%	884,342	0	286,751	25,952,264	1.12%
Total	160,901,233	0	160,901,233	5,992,284	166,893,517	5,992,284		338,205	(338,205)	5,992,284	166,893,517	3.724%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Determination of Non-Competitive Delivery Revenue Increases for Rate Year 1

Based on Levelized Revenue Requirement

	(1)	(2)	(3)	(4)	(5)=(1)-(2)-(3)-(4)
	Incremental Competitive Svc Revenues				
<u>Service Class</u>	Adj Rate Year Incr. Incl (Surplus)/Deficiency Incl Mitigation Adj. <u>Delivery Rev. (a)</u> (\$)	MFC Fixed Component Related <u>Revenue (b)</u> (\$)	BPP Component Related <u>Revenue (c)</u> (\$)	POR Credit & Collections Related <u>Revenue (d)</u> (\$)	Non-Competitive Rate Year Delivery Revenue <u>Increase</u> (\$)
SC Nos. 1 & 6 RS IA	5,705,533	664,592	164,593	182,403	4,693,945
SC Nos. 2 & 6 RS 1B & II	<u>286,751</u>	<u>54,236</u>	<u>7,601</u>	<u>29,818</u>	<u>195,095</u>
Total	5,992,284	718,828	172,194	212,221	4,889,041

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Monthly Billing Comparison Reflecting Proposed Rate Change

SC1 Residential and Space Heating

Based on Levelized Revenue Requirement for Rate Year 1

Monthly Use (ccf)		Monthly Bill @ Present Rate	Monthly Bill @ Proposed Rate	Change		% of Bills in this Usage Range
Usage >	Usage ≤			Amount	Percent	
0	3	\$22.65	\$23.40	\$0.75	3.3%	2.1%
3	5	24.99	25.80	0.81	3.2%	1.4%
5	10	30.83	31.79	0.97	3.1%	4.4%
10	30	54.18	55.78	1.60	2.9%	23.7%
30	50	77.53	79.76	2.23	2.9%	14.4%
50	70	100.36	103.37	3.01	3.0%	9.5%
70	90	123.19	126.99	3.80	3.1%	7.4%
90	110	146.02	150.61	4.59	3.1%	6.1%
110	130	168.85	174.23	5.38	3.2%	5.1%
130	150	191.67	197.84	6.17	3.2%	4.4%
150	170	214.50	221.46	6.96	3.2%	3.9%
170	190	237.33	245.08	7.74	3.3%	3.4%
190	210	260.16	268.69	8.53	3.3%	2.8%
210	230	282.99	292.31	9.32	3.3%	2.3%
230	250	305.82	315.93	10.11	3.3%	1.9%
250	270	328.65	339.54	10.90	3.3%	1.5%
270	290	351.48	363.16	11.69	3.3%	1.2%
290	310	374.30	386.78	12.48	3.3%	0.9%
310	330	397.14	410.40	13.26	3.3%	0.7%
330	350	419.96	434.01	14.05	3.3%	0.5%
350	370	442.79	457.63	14.84	3.4%	0.4%
370	390	465.62	481.25	15.63	3.4%	0.3%
390	410	488.45	504.86	16.42	3.4%	0.3%
410	430	511.28	528.48	17.20	3.4%	0.2%
430	450	534.11	552.10	17.99	3.4%	0.2%
450	470	556.93	575.71	18.78	3.4%	0.1%
470	490	579.76	599.33	19.57	3.4%	0.1%
490	510	602.59	622.95	20.36	3.4%	0.1%
510	530	625.42	646.57	21.15	3.4%	0.1%
530	550	648.25	670.18	21.93	3.4%	0.1%
550	570	671.08	693.80	22.72	3.4%	0.1%
570	590	693.91	717.42	23.51	3.4%	0.0%
590	600	705.32	729.23	23.91	3.4%	0.0%

* The bills for each range are calculated at the upper band (e.g., the impact shown for the 0 - 3 Ccf. band is based on the 3 Ccf)

** There are an additional 0.5% of bills with usage above 600 Ccf.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Impact of Proposed Rate Change on Total Firm Revenue - Company Impact
For the Rate Year Twelve Months Ending December 31, 2023 (1)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

Service Classification	Type of Service	Total Sales (Mcf)	Customers	Revenue At Current Rates (\$000's)	Revenue At Proposed Rates (\$000's)	Change (\$000's)	Percent Change
1 / 6 IA	Residential	14,965,621	130,124	\$ 199,341.3	\$ 203,285.7	\$ 3,944.4	2.0%
1 / 6 1A	Non Residential	1,123,696	6,259	14,573.5	14,842.8	269.2	1.8%
2 / 6 IB	Commercial	4,536,827	5,894	42,760.2	42,924.3	164.1	0.4%
6 II	Large Commercial	<u>1,258,988</u>	<u>96</u>	<u>11,108.9</u>	<u>11,154.2</u>	<u>45.4</u>	<u>0.4%</u>
	Total Firm	21,885,133	142,373	267,783.9	272,207.0	4,423.0	1.7%

1. For comparison purposes, an estimated cost of gas supply has been included in the SC No. 6 revenue. This is equivalent on a per unit basis, to the cost of gas supply included in SC No. 1 and 2 revenues.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Calculation of Incremental Revenue Requirement for Rate Year 2

a. Incremental Revenue Requirement for the Rate Year Including Gross Receipts/MTA Taxes (1)	\$4,421,433
b. Less Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>\$74,000</u>
c. Incremental Revenue Requirement for the Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$4,347,433
d. Low Income Credits	\$0
e. Total Revenue Requirement + Low Income Credits (c + d)	\$4,347,433
f. Rate Year Bundled Delivery Revenues for the Rate Year for Firm Service Classification Nos. 1, 2, and 6	\$169,190,608
g. Rate Year Overall Percentage Increase in Delivery Revenues (e / f)	2.56955%
h. RY Overall Percentage Increase in Del Revenues less Low Income Credits (c / f)	2.56955%

Note:

1. Twelve months ending December 31, 2023
2. GRT/MTA Gross Up Included in Rev Req = 1.68%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 2

Based on Levelized Revenue Requirement

	(1)	(2)	(3)=(1)+(2)	(4)	(5)=(3)+(4)	(6)=(2)+(4)	(7)	(8)	(9)	(10)=(6)+(8)+(9)	(11)=(1)+(10)	(12)=(10)/(1)
Class	Rate Year Bundled Delivery Rev. (\$)	(Surplus)/ Deficiency (a) (\$)	Adjusted Rate Year Del Revenue (\$)	Rate Increase 3.724% (\$)	Adj Delivery Rev incl Rate Incr at Rate Yr Rate Level (\$)	Rate Year Increase Incl. (Sur)/Def (\$)	Rate Year % Increase	Mitigation Adj (b) (\$)	Mitigation Increase (\$)	Adj. Rate Year Incl. (Sur)/Def Incl. Mit. Adj./Dec. (\$)	Adj RY Bundled Del Revenue At RY Level (\$)	Adjusted Rate Year % Increase
SC Nos. 1 & 6 RS IA	142,697,958	1,497,652	144,195,609	3,705,178	147,900,787	5,202,830	3.65%	(802,795)	(256,821)	4,143,213	146,841,171	2.90%
SC Nos. 2 & 6 RS 1B & II	<u>26,492,650</u>	<u>(1,497,652)</u>	<u>24,994,998</u>	<u>642,259</u>	<u>25,637,257</u>	<u>(855,393)</u>	-3.23%	<u>1,059,617</u>	<u>0</u>	<u>204,224</u>	<u>26,696,874</u>	<u>0.77%</u>
Total	169,190,608	0	169,190,608	4,347,437	173,538,045	4,347,437		256,821	(256,821)	4,347,437	173,538,045	2.570%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Determination of Non-Competitive Delivery Revenue Increases for Rate Year 2

Based on Levelized Revenue Requirement

	(1)	(2)	(3)	(4)	(5)=(1)-(2)-(3)-(4)
	<u>Incremental Competitive Svc Revenues</u>				
<u>Service Class</u>	Adj Rate Year Incr. Incl (Surplus)/Deficiency Incl Mitigation Adj. <u>Delivery Rev. (a)</u> (\$)	MFC Fixed Component Related <u>Revenue (b)</u> (\$)	BPP Component Related <u>Revenue (c)</u> (\$)	POR Credit & Collections Related <u>Revenue (d)</u> (\$)	Non-Competitive Rate Year Delivery Revenue <u>Increase</u> (\$)
SC Nos. 1 & 6 RS IA	4,143,213	42,426	0	18,100	4,082,687
SC Nos. 2 & 6 RS 1B & II	<u>204,224</u>	<u>4,211</u>	<u>0</u>	<u>4,410</u>	<u>195,603</u>
Total	4,347,437	46,638	0	22,510	4,278,289

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Monthly Billing Comparison Reflecting Proposed Rate Change

SC1 Residential and Space Heating

Based on Levelized Revenue Requirement for Rate Year 2

Monthly Use (ccf)		Monthly Bill @ Present Rate	Monthly Bill @ Proposed Rate	Change		% of Bills in this Usage Range
Usage >	Usage ≤			Amount	Percent	
0	3	\$23.31	\$24.33	\$1.02	4.4%	2.1%
3	5	25.65	26.70	1.05	4.1%	1.4%
5	10	31.49	32.60	1.11	3.5%	4.4%
10	30	54.87	56.23	1.36	2.5%	23.7%
30	50	78.24	79.85	1.61	2.1%	14.4%
50	70	101.25	103.23	1.98	2.0%	9.5%
70	90	124.27	126.61	2.34	1.9%	7.4%
90	110	147.28	149.99	2.71	1.8%	6.1%
110	130	170.29	173.36	3.07	1.8%	5.1%
130	150	193.30	196.74	3.44	1.8%	4.4%
150	170	216.31	220.12	3.80	1.8%	3.9%
170	190	239.33	243.49	4.17	1.7%	3.4%
190	210	262.34	266.87	4.53	1.7%	2.8%
210	230	285.35	290.25	4.90	1.7%	2.3%
230	250	308.36	313.63	5.26	1.7%	1.9%
250	270	331.37	337.00	5.63	1.7%	1.5%
270	290	354.39	360.38	6.00	1.7%	1.2%
290	310	377.40	383.76	6.36	1.7%	0.9%
310	330	400.41	407.14	6.73	1.7%	0.7%
330	350	423.42	430.51	7.09	1.7%	0.5%
350	370	446.44	453.89	7.46	1.7%	0.4%
370	390	469.45	477.27	7.82	1.7%	0.3%
390	410	492.46	500.65	8.19	1.7%	0.3%
410	430	515.47	524.02	8.55	1.7%	0.2%
430	450	538.48	547.40	8.92	1.7%	0.2%
450	470	561.49	570.78	9.28	1.7%	0.1%
470	490	584.51	594.16	9.65	1.7%	0.1%
490	510	607.52	617.53	10.01	1.6%	0.1%
510	530	630.53	640.91	10.38	1.6%	0.1%
530	550	653.54	664.29	10.74	1.6%	0.1%
550	570	676.55	687.66	11.11	1.6%	0.1%
570	590	699.57	711.04	11.47	1.6%	0.0%
590	600	711.07	722.73	11.66	1.6%	0.0%

* The bills for each range are calculated at the upper band (e.g., the impact shown for the 0 - 3 Ccf. band is based on the 3 Ccf)

** There are an additional 0.5% of customers with usage above 600 Ccf.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Impact of Proposed Rate Change on Total Firm Revenue - Company Impact
For the Rate Year Twelve Months Ending December 31, 2024 (1) (2)
(Based on Billed Sales and Revenues)**

Based on Levelized Revenue Requirement

Service Classification	Type of Service	Total Sales (Mcf)	Customers	Revenue At Current Rates (\$000's)	Revenue At Proposed Rates (\$000's)	Change (\$000's)	Percent Change
1 / 6 IA	Residential	14,800,853	131,220	\$ 201,600.5	\$ 206,471.9	\$ 4,871.4	2.4%
1 / 6 1A	Non Residential	1,145,353	6,318	15,108.0	15,474.2	366.2	2.4%
2 / 6 IB	Commercial	4,499,364	5,917	42,591.4	41,958.2	(633.2)	-1.5%
6 II	Large Commercial	<u>1,249,094</u>	<u>97</u>	<u>11,063.7</u>	<u>10,884.9</u>	<u>(178.8)</u>	<u>-1.6%</u>
	Total Firm	21,694,664	143,551	270,363.7	274,789.3	4,425.6	1.6%

1. For comparison purposes, an estimated cost of gas supply has been included in the SC No. 6 revenue. This is equivalent on a per unit basis, to the cost of gas supply included in SC No. 1 and 2 revenues.
2. Revenue at Proposed Rates reflects the RY3 temporary credit.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Calculation of Incremental Revenue Requirement for Rate Year 3

a. Incremental Revenue Requirement for the Rate Year Including Gross Receipts/MTA Taxes	\$9,082,133
b. Less Gross Receipts/MTA Tax Included in Incremental Revenue Requirement (2)	<u>\$153,000</u>
c. Incremental Revenue Requirement for the Rate Year Excluding Gross Receipts/MTA Taxes (a - b)	\$8,929,133
d. Low Income Credits	\$0
e. Total Revenue Requirement + Low Income Credits (c + d)	\$8,929,133
f. Rate Year Bundled Delivery Revenues for the Rate Year for Firm Service Classification Nos. 1, 2, and 6	\$172,545,997
g. Rate Year Overall Percentage Increase in Delivery Revenues (e / f)	5.17493%
h. RY Overall Percentage Increase in Del Revenues less Low Income Credits (c / f)	5.17493%

Note:

1. Twelve months ending December 31, 2024
2. GRT/MTA Gross Up Included in Rev Req = 1.68%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Allocation of Incremental Revenue Requirement Among Customer Classes for Rate Year 2

Based on Levelized Revenue Requirement

	(1)	(2)	(3)=(1)+(2)	(4)	(5)=(3)+(4)	(6)=(2)+(4)	(7)	(8)	(9)	(10)=(6)+(8)+(9)	(11)=(1)+(10)	(12)=(10)/(1)
Class	Rate Year Bundled Delivery Rev. (\$)	(Surplus)/ Deficiency (a) (\$)	Adjusted Rate Year Del Revenue (\$)	Rate Increase 3.724% (\$)	Adj Delivery Rev incl Rate Incr at Rate Yr Rate Level (\$)	Rate Year Increase Incl. (Sur)/Def (\$)	Rate Year % Increase	Mitigation Adj (b) (\$)	Mitigation Increase (\$)	Adj. Rate Year Incl. (Sur)/Def Incl. Mit. Adj./Dec. (\$)	Adj RY Bundled Del Revenue At RY Level (\$)	Adjusted Rate Year % Increase
SC Nos. 1 & 6 RS IA	146,042,555	1,497,652	147,540,207	7,635,102	155,175,309	9,132,754	6.25%	(63,628)	(551,452)	8,517,673	154,560,228	5.83%
SC Nos. 2 & 6 RS 1B & II	<u>26,503,442</u>	<u>(1,497,652)</u>	<u>25,005,791</u>	<u>1,294,032</u>	<u>26,299,823</u>	<u>(203,620)</u>	-0.77%	<u>615,080</u>	<u>0</u>	<u>411,461</u>	<u>26,914,903</u>	<u>1.55%</u>
Total	172,545,997	0	172,545,997	8,929,134	181,475,131	8,929,134		551,452	(551,452)	8,929,134	181,475,131	5.175%

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Determination of Non-Competitive Delivery Revenue Increases for Rate Year 3

Based on Levelized Revenue Requirement

	(1)	(2)	(3)	(4)	(5)=(1)-(2)-(3)-(4)
	<u>Incremental Competitive Svc Revenues</u>				
<u>Service Class</u>	Adj Rate Year Incr. Incl (Surplus)/Deficiency Incl Mitigation Adj. <u>Delivery Rev. (a)</u> (\$)	MFC Fixed Component Related <u>Revenue (b)</u> (\$)	BPP Component Related <u>Revenue (c)</u> (\$)	POR Credit & Collections Related <u>Revenue (d)</u> (\$)	Non-Competitive Rate Year Delivery Revenue <u>Increase</u> (\$)
SC Nos. 1 & 6 RS IA	8,517,673	52,046	0	22,596	8,443,031
SC Nos. 2 & 6 RS 1B & II	<u>411,461</u>	<u>2,953</u>	<u>0</u>	<u>4,439</u>	<u>404,069</u>
Total	8,929,134	54,998	0	27,036	8,847,100

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Monthly Billing Comparison
Reflecting Proposed Rate Change**

SC1 Residential and Space Heating

Based on Levelized Revenue Requirement for Rate Year 3

Monthly Use (ccf)	Usage >	Usage ≤	Monthly Bill @ Present Rate	Monthly Bill @ Proposed Rate	Change		% of Bills in this Usage Range
					Amount	Percent	
0		3	\$24.33	\$25.29	\$0.96	3.9%	2.1%
3		5	26.70	27.69	0.99	3.7%	1.4%
5		10	32.60	33.67	1.07	3.3%	4.4%
10		30	56.23	57.62	1.39	2.5%	23.7%
30		50	79.85	81.56	1.71	2.1%	14.4%
50		70	103.23	105.51	2.28	2.2%	9.5%
70		90	126.61	129.46	2.85	2.2%	7.4%
90		110	149.99	153.40	3.42	2.3%	6.1%
110		130	173.36	177.35	3.99	2.3%	5.1%
130		150	196.74	201.30	4.56	2.3%	4.4%
150		170	220.12	225.24	5.12	2.3%	3.9%
170		190	243.49	249.19	5.69	2.3%	3.4%
190		210	266.87	273.14	6.26	2.3%	2.8%
210		230	290.25	297.08	6.83	2.4%	2.3%
230		250	313.63	321.03	7.40	2.4%	1.9%
250		270	337.00	344.97	7.97	2.4%	1.5%
270		290	360.38	368.92	8.54	2.4%	1.2%
290		310	383.76	392.87	9.11	2.4%	0.9%
310		330	407.14	416.81	9.68	2.4%	0.7%
330		350	430.51	440.76	10.25	2.4%	0.5%
350		370	453.89	464.71	10.81	2.4%	0.4%
370		390	477.27	488.65	11.38	2.4%	0.3%
390		410	500.65	512.60	11.95	2.4%	0.3%
410		430	524.02	536.54	12.52	2.4%	0.2%
430		450	547.40	560.49	13.09	2.4%	0.2%
450		470	570.78	584.44	13.66	2.4%	0.1%
470		490	594.16	608.38	14.23	2.4%	0.1%
490		510	617.53	632.33	14.80	2.4%	0.1%
510		530	640.91	656.28	15.37	2.4%	0.1%
530		550	664.29	680.22	15.94	2.4%	0.1%
550		570	687.66	704.17	16.50	2.4%	0.1%
570		590	711.04	728.11	17.07	2.4%	0.0%
590		600	722.73	740.09	17.36	2.4%	0.0%

* The bills for each range are calculated at the upper band (e.g., the impact shown for the 0 - 3 Ccf. band is based on the 3 Ccf)

** There are an additional 0.5% of customers with usage above 600 Ccf.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Temporary Credit to be Refunded through
Monthly Gas Adjustment in Rate Year 3**

Temp Surcharge/(Credit)	(\$4,660,700)
Less GRT/MTA Tax	<u>(\$78,464)</u>
Net	(\$4,582,236)
Rate Year Sales (CCF)	216,946,641
MGA Surcharge	(\$0.02112) per CCF

ORANGE & ROCKLAND UTILITIES, INC.

Case 21-G-0073

**Summary of MFC Monthly Targets
For Rates Effective January 1, 2022, January 1, 2023 and January 1, 2024**

Based on Levelized Revenue Requirement

<u>For Rates Effective January 1, 2022</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Supply Related Component	\$190,627	\$192,743	\$171,819	\$124,995	\$72,805	\$46,458	\$34,259	\$28,849	\$31,384	\$40,288	\$79,549	\$152,020	\$1,165,796
Credit and Collections Related Component	57,947	58,606	52,208	38,012	22,211	14,136	10,347	8,738	9,508	12,225	24,158	46,185	354,282
POR Discount Related Component	<u>32,108</u>	<u>32,778</u>	<u>29,468</u>	<u>21,110</u>	<u>13,098</u>	<u>8,096</u>	<u>5,910</u>	<u>5,299</u>	<u>5,574</u>	<u>7,260</u>	<u>13,987</u>	<u>25,560</u>	<u>200,248</u>
Total	\$280,682	\$284,127	\$253,495	\$184,117	\$108,115	\$68,691	\$50,515	\$42,886	\$46,466	\$59,773	\$117,694	\$223,765	\$1,720,326
<u>For Rates Effective January 1, 2023</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Supply Related Component	\$186,496	\$200,414	\$185,810	\$134,427	\$76,513	\$49,235	\$34,928	\$29,491	\$32,054	\$40,884	\$83,759	\$158,200	\$1,212,210
Credit and Collections Related Component	56,725	60,964	56,475	40,894	23,349	14,989	10,555	8,937	9,717	12,410	25,443	48,079	368,536
POR Discount Related Component	<u>31,523</u>	<u>34,106</u>	<u>31,821</u>	<u>22,630</u>	<u>13,712</u>	<u>8,558</u>	<u>6,016</u>	<u>5,409</u>	<u>5,678</u>	<u>7,379</u>	<u>14,667</u>	<u>26,573</u>	<u>208,072</u>
Total	\$274,744	\$295,484	\$274,106	\$197,951	\$113,574	\$72,781	\$51,498	\$43,836	\$47,448	\$60,673	\$123,870	\$232,851	\$1,788,818
<u>For Rates Effective January 1, 2024</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Supply Related Component	\$201,960	\$210,911	\$192,090	\$142,868	\$80,847	\$51,372	\$37,144	\$31,226	\$33,899	\$40,515	\$83,482	\$161,339	\$1,267,652
Credit and Collections Related Component	61,454	64,190	58,414	43,485	24,688	15,650	11,231	9,469	10,282	12,301	25,373	49,058	385,595
POR Discount Related Component	<u>34,064</u>	<u>35,868</u>	<u>32,891</u>	<u>24,004</u>	<u>14,470</u>	<u>8,926</u>	<u>6,361</u>	<u>5,684</u>	<u>5,958</u>	<u>7,319</u>	<u>14,723</u>	<u>27,118</u>	<u>217,385</u>
Total	\$297,477	\$310,968	\$283,396	\$210,356	\$120,005	\$75,948	\$54,736	\$46,379	\$50,138	\$60,135	\$123,578	\$237,516	\$1,870,632

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 1

Based on Levelized Revenue Requirement

Present S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$19.50
Next	47 Ccf	68.220 ¢/Ccf
All over	50 Ccf	65.661 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.439 ¢/Ccf
Credit and Collections	0.114 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$19.50 per month

Proposed S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$20.00
Next	47 Ccf	70.264 ¢/Ccf
All over	50 Ccf	68.485 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.974 ¢/Ccf
Credit and Collections	0.299 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$20.00 per month

Present S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

First	3 Ccf or less	\$30.00
Next	47 Ccf	44.645 ¢/Ccf
Next	4,950 Ccf	42.866 ¢/Ccf
All over	5,000 Ccf	37.906 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.156 ¢/Ccf
Credit and Collections	0.036 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$30.00 per month

Proposed S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$31.00
Next	47 Ccf	44.643 ¢/Ccf
Next	4,950 Ccf	43.041 ¢/Ccf
All over	5,000 Ccf	38.253 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.430 ¢/Ccf
Credit and Collections	0.113 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$31.00 per month

* Minimum charge set at the first block charge.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 1

Based on Levelized Revenue Requirement

Present S.C. No. 6 (Monthly)
(Firm Transportation Service)

Rate Schedule IA - Residential:

Delivery Charges:

First	3 Ccf or less	\$19.50
Next	47 Ccf	68.220 ¢/Ccf
All over	50 Ccf	65.661 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

First	3 Ccf or less	\$30.00
Next	47 Ccf	44.645 ¢/Ccf
Next	4,950 Ccf	42.866 ¢/Ccf
All over	5,000 Ccf	37.906 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

First	100 Ccf or less	\$255.18
Over	100 Ccf	37.906 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Proposed S.C. No. 6 (Monthly)
(Firm Transportation Service)

Rate Schedule IA - Residential:

Delivery Charges:

Delivery:

First	3 Ccf or less	\$20.00
Next	47 Ccf	70.264 ¢/Ccf
All over	50 Ccf	68.485 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

Delivery:

First	3 Ccf or less	\$31.00
Next	47 Ccf	44.643 ¢/Ccf
Next	4,950 Ccf	43.041 ¢/Ccf
All over	5,000 Ccf	38.253 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

Delivery:

First	100 Ccf or less	\$255.18
Over	100 Ccf	38.253 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

* Assessed on customers receiving a utility single bill

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 1

Based on Levelized Revenue Requirement

Present Rider B - Rate Schedule I Rate IA

Delivery Charges (Summer):

First	3 Ccf or less	\$153.51
All over	3 Ccf	23.712 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$153.51
All over	3 Ccf	29.435 ¢/Ccf

Minimum Charge - \$153.51 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

Proposed Rider B - Rate Schedule I Rate IA

Delivery Charges (Summer):

First	3 Ccf or less	\$155.23
All over	3 Ccf	23.840 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$155.23
All over	3 Ccf	29.593 ¢/Ccf

Minimum Charge - \$155.23 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

Present Rider B - Rate Schedule I Rate IB

Delivery Charges (Summer):

First	3 Ccf or less	\$260.68
All over	3 Ccf	23.712 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$260.68
All over	3 Ccf	29.435 ¢/Ccf

Minimum Charge - \$260.68 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

Proposed Rider B - Rate Schedule I Rate IB

Delivery Charges (Summer):

First	3 Ccf or less	\$263.59
All over	3 Ccf	23.812 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$263.59
All over	3 Ccf	29.593 ¢/Ccf

Minimum Charge - \$263.59 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

Present Rider B - Rate Schedule I Rate IC

Delivery Charges (Summer):

First	3 Ccf or less	\$396.82
All over	3 Ccf	23.712 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$396.82
All over	3 Ccf	29.435 ¢/Ccf

Minimum Charge - \$396.82 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

Proposed Rider B - Rate Schedule I Rate IC

Delivery Charges (Summer):

First	3 Ccf or less	\$401.25
All over	3 Ccf	23.840 ¢/Ccf

Delivery Charges (Winter):

First	3 Ccf or less	\$401.25
All over	3 Ccf	29.593 ¢/Ccf

Minimum Charge - \$401.25 per month

Other Charges:

Rates and other provisions of the customer's otherwise applicable service classification*

* Excluding the RDM Adjustment

* Excluding the RDM Adjustment

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 1

Based on Levelized Revenue Requirement

Present Rider B - Rate Schedule I Rate ID			
Delivery Charges (Summer):			
First	3 Ccf or less	\$503.99	
All over	3 Ccf	23.712 ¢/Ccf	
Delivery Charges (Winter):			
First	3 Ccf or less	\$503.99	
All over	3 Ccf	29.435 ¢/Ccf	
Minimum Charge -		\$503.99 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
Present Rider B - Rate Schedule II			
Delivery Charges (Summer):			
First	3 Ccf or less	\$57.93	
All over	3 Ccf	4.742 ¢/Ccf	
Delivery Charges (Winter):			
First	3 Ccf or less	\$57.93	
All over	3 Ccf	5.888 ¢/Ccf	
Contract Demand -		\$41.93 per Ccf of Contract Demand	
Minimum Charge -		\$57.93 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
Present Rider C			
Delivery Charges:			
First	3 Ccf or less	\$37.07	
All over	3 Ccf	24.088 ¢/Ccf	
Minimum Charge -		\$37.07 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
* Excluding the RDM Adjustment			

Proposed Rider B - Rate Schedule I Rate ID			
Delivery Charges (Summer):			
First	3 Ccf or less	\$509.62	
All over	3 Ccf	23.840 ¢/Ccf	
Delivery Charges (Winter):			
First	3 Ccf or less	\$509.62	
All over	3 Ccf	29.593 ¢/Ccf	
Minimum Charge -		\$509.62 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
Proposed Rider B - Rate Schedule II			
Delivery Charges (Summer):			
First	3 Ccf or less	\$58.58	
All over	3 Ccf	4.767 ¢/Ccf	
Delivery Charges (Winter):			
First	3 Ccf or less	\$58.58	
All over	3 Ccf	5.920 ¢/Ccf	
Contract Demand -		\$42.16 per Ccf of Contract Demand	
Minimum Charge -		\$58.58 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
Proposed Rider C			
Delivery Charges:			
First	3 Ccf or less	\$38.63	
All over	3 Ccf	25.007 ¢/Ccf	
Minimum Charge -		\$38.63 per month	
Other Charges:			
Rates and other provisions of the customer's otherwise applicable service classification*			
* Excluding the RDM Adjustment			

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 2

Based on Levelized Revenue Requirement

Present S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$20.00
Next	47 Ccf	70.264 ¢/Ccf
All over	50 Ccf	68.485 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.974 ¢/Ccf
Credit and Collections	0.299 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$20.00 per month

Proposed S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$21.00
Next	47 Ccf	71.471 ¢/Ccf
All over	50 Ccf	70.251 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.991 ¢/Ccf
Credit and Collections	0.304 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$21.00 per month

Present S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

First	3 Ccf or less	\$31.00
Next	47 Ccf	44.643 ¢/Ccf
Next	4,950 Ccf	43.041 ¢/Ccf
All over	5,000 Ccf	38.253 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.430 ¢/Ccf
Credit and Collections	0.113 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$31.00 per month

Proposed S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$32.00
Next	47 Ccf	44.633 ¢/Ccf
Next	4,950 Ccf	43.210 ¢/Ccf
All over	5,000 Ccf	38.606 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.435 ¢/Ccf
Credit and Collections	0.114 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$32.00 per month

* Minimum charge set at the first block charge.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 2

Based on Levelized Revenue Requirement

Present S.C. No. 6 (Monthly)
(Firm Transportation Service)

Rate Schedule IA - Residential:

Delivery Charges:

First	3 Ccf or less	\$20.00
Next	47 Ccf	70.264 ¢/Ccf
All over	50 Ccf	68.485 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

First	3 Ccf or less	\$31.00
Next	47 Ccf	44.643 ¢/Ccf
Next	4,950 Ccf	43.041 ¢/Ccf
All over	5,000 Ccf	38.253 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

First	100 Ccf or less	\$255.18
Over	100 Ccf	38.253 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Proposed S.C. No. 6 (Monthly)
(Firm Transportation Service)

Rate Schedule IA - Residential:

Delivery Charges:

<u>Delivery:</u>		
First	3 Ccf or less	\$21.00
Next	47 Ccf	71.471 ¢/Ccf
All over	50 Ccf	70.251 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

<u>Delivery:</u>		
First	3 Ccf or less	\$32.00
Next	47 Ccf	44.633 ¢/Ccf
Next	4,950 Ccf	43.210 ¢/Ccf
All over	5,000 Ccf	38.606 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

<u>Delivery:</u>		
First	100 Ccf or less	\$255.18
Over	100 Ccf	38.606 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

* Assessed on customers receiving a utility single bill

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 2

Based on Levelized Revenue Requirement

Present Rider B - Rate Schedule I Rate IA			Proposed Rider B - Rate Schedule I Rate IA		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$155.23	First	3 Ccf or less	\$156.43
All over	3 Ccf	23.840 ¢/Ccf	All over	3 Ccf	23.964 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$155.23	First	3 Ccf or less	\$156.43
All over	3 Ccf	29.593 ¢/Ccf	All over	3 Ccf	29.748 ¢/Ccf
Minimum Charge -		\$155.23 per month	Minimum Charge -		\$156.43 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
Present Rider B - Rate Schedule I Rate IB			Proposed Rider B - Rate Schedule I Rate IB		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$263.59	First	3 Ccf or less	\$265.62
All over	3 Ccf	23.812 ¢/Ccf	All over	3 Ccf	23.912 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$263.59	First	3 Ccf or less	\$265.62
All over	3 Ccf	29.593 ¢/Ccf	All over	3 Ccf	29.748 ¢/Ccf
Minimum Charge -		\$263.59 per month	Minimum Charge -		\$265.62 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
Present Rider B - Rate Schedule I Rate IC			Proposed Rider B - Rate Schedule I Rate IC		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$401.25	First	3 Ccf or less	\$404.34
All over	3 Ccf	23.840 ¢/Ccf	All over	3 Ccf	23.964 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$401.25	First	3 Ccf or less	\$404.34
All over	3 Ccf	29.593 ¢/Ccf	All over	3 Ccf	29.748 ¢/Ccf
Minimum Charge -		\$401.25 per month	Minimum Charge -		\$404.34 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
* Excluding the RDM Adjustment			* Excluding the RDM Adjustment		

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 2

Based on Levelized Revenue Requirement

<u>Present Rider B - Rate Schedule I Rate ID</u>			<u>Proposed Rider B - Rate Schedule I Rate ID</u>		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$509.62	First	3 Ccf or less	\$513.55
All over	3 Ccf	23.840 ¢/Ccf	All over	3 Ccf	23.964 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$509.62	First	3 Ccf or less	\$513.55
All over	3 Ccf	29.593 ¢/Ccf	All over	3 Ccf	29.748 ¢/Ccf
Minimum Charge -		\$509.62 per month	Minimum Charge -		\$513.55 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
<u>Present Rider B - Rate Schedule II</u>			<u>Proposed Rider B - Rate Schedule II</u>		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$58.58	First	3 Ccf or less	\$59.03
All over	3 Ccf	4.767 ¢/Ccf	All over	3 Ccf	4.792 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$58.58	First	3 Ccf or less	\$59.03
All over	3 Ccf	5.920 ¢/Ccf	All over	3 Ccf	5.951 ¢/Ccf
Contract Demand -		\$42.16 per Ccf of Contract Demand	Contract Demand -		\$42.38 per Ccf of Contract Demand
Minimum Charge -		\$58.58 per month	Minimum Charge -		\$59.03 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
<u>Present Rider C</u>			<u>Proposed Rider C</u>		
Delivery Charges:			Delivery Charges:		
First	3 Ccf or less	\$38.63	First	3 Ccf or less	\$39.75
All over	3 Ccf	25.007 ¢/Ccf	All over	3 Ccf	25.573 ¢/Ccf
Minimum Charge -		\$38.63 per month	Minimum Charge -		\$39.75 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
* Excluding the RDM Adjustment			* Excluding the RDM Adjustment		

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 3

Based on Levelized Revenue Requirement

Present S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$21.00
Next	47 Ccf	71.471 ¢/Ccf
All over	50 Ccf	70.251 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.991 ¢/Ccf
Credit and Collections	0.304 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$21.00 per month

Proposed S.C. No. 1 (Monthly)
(Residential and Space Heating)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$22.00
All over	3 Ccf	75.079 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	1.044 ¢/Ccf
Credit and Collections	0.321 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$22.00 per month

Present S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

First	3 Ccf or less	\$32.00
Next	47 Ccf	44.633 ¢/Ccf
Next	4,950 Ccf	43.210 ¢/Ccf
All over	5,000 Ccf	38.606 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.435 ¢/Ccf
Credit and Collections	0.114 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$32.00 per month

Proposed S.C. No. 2 (Monthly)
(General Service)

Delivery Charges:

Delivery:

First	3 Ccf or less	\$33.00
Next	47 Ccf	45.014 ¢/Ccf
Next	4,950 Ccf	43.757 ¢/Ccf
All over	5,000 Ccf	39.314 ¢/Ccf

Other Charges:

Merchant Function Charge:

Fixed Procurement	0.460 ¢/Ccf
Credit and Collections	0.121 ¢/Ccf
Storage WC (supply related)	0.069 ¢/Ccf
Uncollectibles	Variable

Plus: Gas Supply Charge
Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Unauthorized Use of Gas
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge

Minimum Charge* - \$33.00 per month

* Minimum charge set at the first block charge.

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 3

Based on Levelized Revenue Requirement

**Present S.C. No. 6 (Monthly)
(Firm Transportation Service)**

Rate Schedule IA - Residential:

Delivery Charges:

First	3 Ccf or less	\$21.00
Next	47 Ccf	71.471 ¢/Ccf
All over	50 Ccf	70.251 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

First	3 Ccf or less	\$32.00
Next	47 Ccf	44.633 ¢/Ccf
Next	4,950 Ccf	43.210 ¢/Ccf
All over	5,000 Ccf	38.606 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

First	100 Ccf or less	\$255.18
Over	100 Ccf	38.606 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

**Proposed S.C. No. 6 (Monthly)
(Firm Transportation Service)**

Rate Schedule IA - Residential:

Delivery Charges:

Delivery:

First	3 Ccf or less	\$22.00
All over	3 Ccf	75.079 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule IB - Non-Residential:

Delivery Charges:

Delivery:

First	3 Ccf or less	\$33.00
Next	47 Ccf	45.014 ¢/Ccf
Next	4,950 Ccf	43.757 ¢/Ccf
All over	5,000 Ccf	39.314 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

Rate Schedule II:

Delivery Charges:

Delivery:

First	100 Ccf or less	\$255.18
Over	100 Ccf	39.314 ¢/Ccf

Other Charges:

Plus: Monthly Gas Adjustment
Plus: RDM Adjustment
Plus: System Benefits Charge
Plus: Winter Bundled Sales Service
Plus: Increase in Rates and Charges
Plus: Billing and Payment Processing Charge*

* Assessed on customers receiving a utility single bill

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 3

Based on Levelized Revenue Requirement

Present Rider B - Rate Schedule I Rate IA			Proposed Rider B - Rate Schedule I Rate IA		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$156.43	First	3 Ccf or less	\$158.86
All over	3 Ccf	23.964 ¢/Ccf	All over	3 Ccf	24.299 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$156.43	First	3 Ccf or less	\$158.86
All over	3 Ccf	29.748 ¢/Ccf	All over	3 Ccf	30.163 ¢/Ccf
Minimum Charge -		\$156.43 per month	Minimum Charge -		\$158.86 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
Present Rider B - Rate Schedule I Rate IB			Proposed Rider B - Rate Schedule I Rate IB		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$265.62	First	3 Ccf or less	\$269.75
All over	3 Ccf	23.912 ¢/Ccf	All over	3 Ccf	24.212 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$265.62	First	3 Ccf or less	\$269.75
All over	3 Ccf	29.748 ¢/Ccf	All over	3 Ccf	30.163 ¢/Ccf
Minimum Charge -		\$265.62 per month	Minimum Charge -		\$269.75 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
Present Rider B - Rate Schedule I Rate IC			Proposed Rider B - Rate Schedule I Rate IC		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$404.34	First	3 Ccf or less	\$410.62
All over	3 Ccf	23.964 ¢/Ccf	All over	3 Ccf	24.299 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$404.34	First	3 Ccf or less	\$410.62
All over	3 Ccf	29.748 ¢/Ccf	All over	3 Ccf	30.163 ¢/Ccf
Minimum Charge -		\$404.34 per month	Minimum Charge -		\$410.62 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
* Excluding the RDM Adjustment			* Excluding the RDM Adjustment		

ORANGE AND ROCKLAND UTILITIES, INC.

Case 21-G-0073

Present and Proposed Rates in Brief - Rate Year 3

Based on Levelized Revenue Requirement

<u>Present Rider B - Rate Schedule I Rate ID</u>			<u>Proposed Rider B - Rate Schedule I Rate ID</u>		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$513.55	First	3 Ccf or less	\$521.52
All over	3 Ccf	23.964 ¢/Ccf	All over	3 Ccf	24.299 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$513.55	First	3 Ccf or less	\$521.52
All over	3 Ccf	29.748 ¢/Ccf	All over	3 Ccf	30.163 ¢/Ccf
Minimum Charge -		\$513.55 per month	Minimum Charge -		\$521.52 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
<u>Present Rider B - Rate Schedule II</u>			<u>Proposed Rider B - Rate Schedule II</u>		
Delivery Charges (Summer):			Delivery Charges (Summer):		
First	3 Ccf or less	\$59.03	First	3 Ccf or less	\$59.95
All over	3 Ccf	4.792 ¢/Ccf	All over	3 Ccf	4.859 ¢/Ccf
Delivery Charges (Winter):			Delivery Charges (Winter):		
First	3 Ccf or less	\$59.03	First	3 Ccf or less	\$59.95
All over	3 Ccf	5.951 ¢/Ccf	All over	3 Ccf	6.034 ¢/Ccf
Contract Demand -		\$42.38 per Ccf of Contract Demand	Contract Demand -		\$42.97 per Ccf of Contract Demand
Minimum Charge -		\$59.03 per month	Minimum Charge -		\$59.95 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
<u>Present Rider C</u>			<u>Proposed Rider C</u>		
Delivery Charges:			Delivery Charges:		
First	3 Ccf or less	\$39.75	First	3 Ccf or less	\$42.07
All over	3 Ccf	25.573 ¢/Ccf	All over	3 Ccf	27.160 ¢/Ccf
Minimum Charge -		\$39.75 per month	Minimum Charge -		\$42.07 per month
Other Charges:			Other Charges:		
Rates and other provisions of the customer's otherwise applicable service classification*			Rates and other provisions of the customer's otherwise applicable service classification*		
* Excluding the RDM Adjustment			* Excluding the RDM Adjustment		

Orange and Rockland Utilities, Inc.
Cases 21-G-0073 & 21-E-0074

Electric, Gas, Common Capital Program Expenditure Reporting Requirements

The Company will file a quarterly report within 45 days after the end of each of the first three quarters of each Rate Year (*e.g.*, the report for the quarter January – March 2022 would be due by May 15, 2022). The annual report will be due 60 days after the end of the last quarter in each rate year (*e.g.*, by March 1, 2023 for Rate Year 1). The quarterly and annual reports will include the information outlined below. The quarterly reports will support the capital projects and blankets, and will reflect cumulative expenditures¹ and plant additions² during the Rate Year. The reports will explain any significant changes in project timelines or changes in cost estimates exceeding 15%, as well as an explanation of any new priority capital projects budgeted over \$1.0 million for Electric, and over \$0.5 million for Gas and Common. In addition, the Company will highlight all new non-blanket gas projects in the quarterly capital expenditure reports and will provide additional information in response to Staff requests.

Quarterly and Annual Reports will include:

- Summary of Capital Expenditures - Blankets, Regular Projects, and All Other
- Summary of Plant Additions - Blankets, Regular Projects, and All Other
- Capital Projects over \$1.0 million (Electric); over \$0.5 million (Gas and Common)
 - Rate Case – In-service date
 - Projected in-service date
 - Breakdown of expenditures (*e.g.*, payroll, accounts payable, and materials and supplies categories)
 - Comparison of rate year budgeted vs. rate year actual to date
 - Narrative on cost deltas exceeding 15%
 - Narrative on project design, permitting and or construction status (including a detailed construction schedule for each project).
 - Inclusion of any new projects exceeding \$1.0 million (Electric), \$0.5 million (Gas and Common)
 - Capital project documentation for any projects exceeding \$1.0 million (Electric), \$0.5 million (Gas and Common) that were authorized during the previous quarter.
- Annual Five-year capital budget for the projects and programs in the categories noted above and for Gas in the same format as Staff’s Exhibit SGIOP-2.

¹ Expenditures – this includes all charges to active and on-going construction projects.

² Plant Additions – the increase in plant-in-service resulting from a transfer of costs from ongoing construction projects to plant-in-service upon completion of the project.

- Annual Leak Prone Pipe Program Report that includes the location (specific location of each section of leak prone pipe removed or abandoned), risk priority score of section(s) replaced, length and type of leak prone pipe replaced, Length and type of material replaced/installed, and number of leak prone services replaced. The Annual Leak Prone Pipe Program Report will be in the following format:

Company Name												
Date												
Location	Risk Priority	Length Installed		Length Removed per Material (ft)						Number of Services Replaced	Category	
		Plastic	Steel	Plastic	Prot. Steel	Bare Steel	Cast Iron	Wrought Iron	Universal			
Smith St, NY	2	3510	1020	1408	3378	1335	2135	0	0	256	LPP Replacement	
Total Footage (ft)		45100	119,830	14,186	24,681	59,435	28,437	9,610	2,083	256		
Miles		8.5	22.7	2.7	4.7	11.3	5.4	1.8	0.4			

- Gas R&D Expenditure Reports (Quarterly Only)

Orange and Rockland Utilities, Inc.
Cases 21-E-0074 and 21-G-0073
CLCPA-Related Efforts

1. O&R will inventory its emissions (in accordance with applicable state standards) and file its results and methodology on an annual basis.¹ Emissions inventory results will be filed within 90 days after the end of each rate year.
2. The Company's current and proposed commitments to address New York State emissions reduction targets and CLCPA goals include the following:
 - O&R will reduce the carbon intensity of gas transmission and distribution by lowering emissions from operations. This reduction will be driven by retirement of 22 miles of leak prone pipe ("LPP") annually from 2022-2029.²
 - O&R will consider NPAs for LPP replacement projects, as well as other projects including Farm Taps. Any LPP retired as a result of implementing an NPA will count toward the Company's annual and cumulative LPP targets.
 - O&R will enhance awareness and education of low carbon heating alternatives, including ground source heat pumps, air source heat pumps and heat pump water heaters and provide incentives to reduce the upfront costs of installing these technologies through the implementation of the Clean Heat program and/or potential future Non-Pipes Alternative ("NPA") efforts. Orange and Rockland will include online materials addressing heat pump guides, customer facing Heating and Cooling Comparison Calculator³ and contractor awareness programs.
 - O&R will install and maintain 15,400 Natural Gas Detectors (NGDs) that will detect inside and outside leaks and automatically send notification to our gas emergency response center for immediate response. Immediate leak detection will reduce the amount of methane emissions from these leaks.
 - O&R will propose a Geothermal Neighborhood Project as a REV Demonstration Project in 2022 to study the potential for geothermal district energy systems to reduce emissions from heating, lower costs for customers through new business models and avoid additional gas infrastructure.
 - O&R is targeting approximately 6.6% reduction in electric sales volumes over the rate plan from 2019 levels. These reductions will result primarily from the Company's energy efficiency program.⁴

¹ The Company's calculation will include publicly available resources, such as EPA's 2019 eGRID table, EPA's greenhouse gases equivalencies calculator, and U.S. Energy Information Administration data.

² The Company currently anticipates completing its LPP program by 2029.

³ <https://www.oru.com/es/save-money/estimate-your-energy-usage/heating-calculator>

⁴ The Company reports on its results under Case 18-M-0084.

- O&R is targeting approximately 1.5% reduction in gas sales volumes over the rate plan from 2019 levels. These reductions will result primarily from the Company's energy efficiency program.⁵
- O&R is supporting efforts that will lower emissions by shifting electric consumption to periods of lower carbon intensity. This will be accomplished through the Behavioral Demand Response Pilot, Non-Wires Alternatives ("NWA") and the Innovative Storage Business Models ("ISBM") demonstration project, which involves the Company deploying behind the meter residential battery energy storage.
- O&R is targeting approximately a 0.95 – 3.63% annual reduction⁶ in peak day gas usage across commercial, industrial, and residential customers by 2024 through the use of Earnings Adjustment Mechanisms. This reduction will result primarily from the Company's proposed Behavioral Demand Response Pilot and may defer the need for additional gas infrastructure to serve peak demand.
- O&R will modify its natural gas tariff to reduce the maximum regulatory required allowances for residential heating customers from 200ft. of main and service (in any combination) to 100ft. of main and 100ft. of service and appurtenant facilities.
- The Company will continue to evaluate its approach to gas depreciation in light of CLCPA.
- O&R will seek out opportunities for NPAs. The Company is closely following the NPA Framework filing submitted by Con Edison (Case 19-G-0066) and will implement aspects of that framework, to the extent they are applicable to the Company. The Company will pursue and report upon NPAs in accordance with requirements established under the Gas Planning Proceeding (Case 20-G-0131).
- O&R will support efforts by developers in the service territory to pursue renewable natural gas ("RNG") as a complement to energy efficiency / electrification and has established a standard gas system interconnection process for RNG facilities. The Company will file a plan with the Secretary to the Commission detailing how this source of gas can be incorporated into O&R's system.
- The Parties recognize that the Company is authorized to contract for and purchase certified gas. The Parties further acknowledge that such purchases may be more costly than conventional gas supplies.
- O&R through its R&D Spending Plan will continue to support efforts that explore the use of hydrogen and RNG within the gas system.
- O&R will advance customer adoption of emerging clean energy technologies such as electric vehicles ("EV"), EV supply equipment, air-source heat pumps, ground-

⁵ The Company reports on its results under Case 18-M-0084.

⁶ EAM targets for gas peak reduction are calculated formulaically each year, therefore this is an estimate. Actual annual targets will vary.

source heat pumps, and heat pump water heaters. This will be accomplished by facilitating enhanced customer enrollment and participation in the Company's clean energy programs.

- Starting in 2021, one hundred percent of new light-duty vehicles purchased will be electrified, and the Company will transition 100% of its existing fleet of light-duty vehicles to EV by 2040. The Company also will explore opportunities and alternative technologies to reduce the use of fossil fuels for its medium- and heavy-duty trucks.
- Through EV infrastructure and managed charging programs, O&R aims to deploy approximately 3,000 EV plugs which the Company anticipates will support up to 33,866 EVs, resulting in 1,583,236 avoided tons of carbon from transportation sources by 2025.
- O&R is targeting adding 84.6MW of energy storage by 2024. This will be accomplished through the bulk solicitation, NWA projects, support for customer-owned storage, and direct procurement of energy storage as needed to support the Company's electric system.
- O&R anticipates the addition of approximately 120 MW of solar PV to its electric system by year end 2024. The Company will accomplish this by supporting its customers through an efficient interconnection process and customer/developer outreach. The Company will continue to improve the interconnection process by identifying gaps between performance and best practices including lessons learned. This may include more efficient communication with developers and customers, offering tools/resources, enhancing internal procedures for efficiencies, and streamlining/standardization of processes.
- O&R will pursue distribution system and multi-value transmission infrastructure investments that will increase the Company's ability to integrate large-scale renewable resources including those identified in the Company's section of the CLCPA Utility Study. These activities align with the State, Company and Commission goals to enable the development of clean energy resources.
- O&R will support real-time electric operations across a diverse resource mix including traditional assets and DERs, and other large-scale intermittent renewable generation connected to the bulk electric power system. The Company's role as the Distributed System Platform provider supports the coordination between wholesale and distribution markets, while continuing to deliver reliable and resilient energy to customers.
- O&R will continue to support and facilitate customers participation in clean energy programs through its Customer Engagement Marketplace Platform ("CEMP") (www.myorustore.com) and enhance its marketplace by expanding its offerings to low and moderate income ("LMI") customers. The Company will also consider offering rebates for induction stoves through the CEMP pending applicability to the New Efficiency New York ("NENY") portfolio. Specific LMI offerings on the CEMP will include free energy efficiency kits. These kits will include lighting, weatherization and water efficiency measures.

- O&R will continue to partner with NYSERDA and other NY utilities to implement a low-income direct install program to its LMI community to help reduce their energy bills and increase energy affordability by investing over \$5 million in energy efficiency offerings. The Company will strive to achieve 50% above the NENY targets. The Company will provide higher incentives to disadvantaged communities⁷ under the Make Ready Program and the Company is seeking to locate its Geothermal Neighborhood demonstration project in a disadvantaged community or low-income area.
- O&R will commit to updating its website to include additional consumer education about community solar opportunities. This will include frequently asked questions, tips, information on billing including consolidating billing. It may also include links to other available resources such as NYSERDA's "Find a Community Solar Project."
- The Company has modified its website to remove "convert to natural gas" pages. The Company also commits to remove the promotion of converting to natural gas through customer mailings, emails, and marketing material. The Company will continue to promote programs and incentives available to customers for opportunities to reduce gas use or consider alternate forms of heating such as electric heat pumps and geothermal loops.
- The Company has discontinued any existing neighborhood expansion promotional or oil to gas rebate programs and will not institute any such new programs during the term of the Rate Plan. References to the terminated programs on the Company's websites have been removed.
- The Company has been and will continue to support the work of the CLCPA's Climate Justice working group to define and identify disadvantaged communities in O&R's service territory.

⁷ As defined in the Commission's September 9, 2021, Clean Energy Fund Order (Case 14-M-0094).

Cases 21-G-0073 & 21-E-0074

REVENUE DECOUPLING MECHANISM

I. Electric Revenue Decoupling Mechanism

The Electric Revenue Decoupling Mechanism (“RDM”) will continue to be based on a total delivery revenue methodology for customer groups that are included in the RDM, as set forth in the Company’s electric tariff, modified commencing with the effective date of the Electric Rate Plan as follows:

- Standby Service customers have been added to the RDM where their RDM group will be that of the otherwise applicable class.
- Customers who move from individually negotiated contracts to an RDM class will have revenues excluded from the RDM until base rates and RDM targets are reset. Customers moving from an RDM class to individually negotiated contracts will have their revenues excluded from the RDM calculation (both the revenues and the target) until RDM targets and base rates are reset.
- If the Company does not file for new base delivery rates to take effect within 15 days upon the expiration of RY3, the RDM will remain in effect and the delivery revenue targets effective January 1, 2024 will continue, but will be restated to reflect the expiration of the temporary credit that is being collected through the Energy Cost Adjustment in RY3.
- If new base delivery rates take effect on a date other than January 1, 2024, the sum of the monthly delivery revenue excess/shortfalls for each month of the partial year, for each customer group, will be refunded/surcharged to customers through customer group-specific RDM Adjustments applicable during the

subsequent 12-month period commencing one month after new base delivery rates take effect.

The Electric RDM targets for each Rate Year are detailed in Schedule 1 to this Appendix.

II. Gas Revenue Decoupling Mechanism

The Gas Revenue Decoupling Mechanism (“RDM”) will continue to be based on a total delivery revenue methodology for customer groups that are included in the RDM, as set forth in the Company’s gas tariff, modified commencing with the effective date of the Gas Rate Plan as follows:

- If the Company does not file for new base delivery rates to take effect within 15 days upon the expiration of RY3, the RDM will remain in effect and the delivery revenue targets effective January 1, 2024 will continue, but will be restated to reflect the expiration of the temporary credit that is being collected through the Monthly Gas Adjustment in RY3.

The Gas RDM targets for each Rate Year are detailed in Schedule 2 to this Appendix.

III. Provisions Applicable to Both Electric and Gas

a. Filing of Statements

RDM Statements will be filed three calendar days before the effective date of a change in the RDM Adjustments, both for an annual filing and for an interim filing.

b. Partial Rate Year Reconciliation

If new base delivery rates in a subsequent case take effect on a date other than January 1, 2024, the sum of the monthly delivery revenue excess/shortfalls for each month of the partial year, for each customer group, will be refunded/surcharged to customers through customer group-specific RDM Adjustments applicable during the subsequent 12-month period commencing one month after new base delivery rates take effect.

c. Adjustments to RDM Targets

During the course of the Electric and Gas Rate Plans, the Company through a tariff filing, or any Signatory Party by petition to the Commission, may propose an adjustment to the currently-effective RDM targets if the Company or such Signatory Party, as applicable, believes that circumstances are resulting in anomalous results unduly impacting certain customers. Any proposed changes to RDM targets are to be revenue neutral to the Company.

d. Make Whole Provisions

For the Company's annual RDM reconciliation for RY1 for both electric and gas, the revenue targets to which actual revenues are compared for the period January 1, 2022 until the date rates become effective as a result of the extension of the Case Nos. 21-E-0064 and 21-G-0063 suspensions will be equal to the monthly targets under the existing Case Nos. 18-E-0067 and 18-G-0068 rate plans. The targets for the remainder of RY1 will be the monthly targets as contained in Schedules 1 and 2 to this Appendix.

Orange and Rockland Utilities Inc.

Case 21-E-0074

Appendix 21

Schedule 1

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Summary of Monthly Electric RDM Targets - RY 1
Revenue Targets for Rate Year Ending December 31, 2022 - (Thousand \$)

	<u>Residential</u> <u>SC 1/19</u>	<u>Secondary</u> <u>SC 2/20</u>	<u>SC 2p/3/21</u>	<u>Primary</u> <u>SC 9</u>	<u>SC 22</u>	<u>Lighting</u>	<u>TOTAL</u> <u>Billed</u>	<u>Unbilled</u>	<u>O&R</u>
Jan-22	\$17,081	\$6,062	\$1,262	\$713	\$544	\$212	\$25,874	(\$696)	\$25,178
Feb-22	\$15,785	\$5,830	\$1,244	\$711	\$528	\$221	\$24,319	(\$970)	\$23,349
Mar-22	\$14,099	\$5,735	\$1,412	\$632	\$490	\$215	\$22,583	\$1,330	\$23,913
Apr-22	\$13,746	\$5,852	\$1,330	\$736	\$498	\$207	\$22,369	\$359	\$22,728
May-22	\$13,223	\$5,689	\$1,382	\$768	\$545	\$209	\$21,816	\$1,600	\$23,416
Jun-22	\$16,130	\$6,977	\$1,920	\$1,631	\$890	\$205	\$27,753	(\$60)	\$27,693
Jul-22	\$23,819	\$9,991	\$2,349	\$1,753	\$843	\$209	\$38,964	(\$448)	\$38,516
Aug-22	\$25,100	\$10,078	\$2,278	\$1,810	\$853	\$217	\$40,336	\$1,200	\$41,536
Sep-22	\$21,731	\$9,693	\$2,450	\$1,565	\$865	\$215	\$36,519	(\$1,244)	\$35,275
Oct-22	\$16,110	\$7,550	\$1,386	\$1,337	\$549	\$224	\$27,156	\$351	\$27,507
Nov-22	\$13,564	\$5,909	\$1,321	\$794	\$549	\$216	\$22,353	\$133	\$22,486
Dec-22	\$15,416	\$5,990	\$1,076	\$762	\$575	\$203	\$24,022	(\$416)	\$23,606
RY ending Dec 2022	\$205,804	\$85,356	\$19,410	\$13,212	\$7,729	\$2,553	\$334,064	\$1,139	\$335,203

Orange and Rockland Utilities Inc.

Case 21-E-0074

Appendix 21

Schedule 1

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Summary of Monthly Electric RDM Targets - RY 2
Revenue Targets for Rate Year Ending December 31, 2023 - (Thousand \$)

	<u>Residential</u> <u>SC 1/19</u>	<u>Secondary</u> <u>SC 2/20</u>	<u>SC 2p/3/21</u>	<u>Primary</u> <u>SC 9</u>	<u>SC 22</u>	<u>Lighting</u>	<u>TOTAL</u> <u>Billed</u>	<u>Unbilled</u>	<u>O&R</u>
Jan-23	\$17,601	\$6,342	\$1,326	\$748	\$568	\$217	\$26,802	(\$158)	\$26,644
Feb-23	\$16,245	\$6,115	\$1,309	\$748	\$549	\$225	\$25,191	(\$1,007)	\$24,184
Mar-23	\$14,494	\$6,018	\$1,483	\$662	\$509	\$221	\$23,387	\$623	\$24,010
Apr-23	\$14,450	\$6,162	\$1,376	\$756	\$508	\$211	\$23,463	(\$55)	\$23,408
May-23	\$13,889	\$6,007	\$1,434	\$793	\$558	\$213	\$22,894	\$1,326	\$24,220
Jun-23	\$16,993	\$7,439	\$1,992	\$1,686	\$914	\$210	\$29,234	(\$916)	\$28,318
Jul-23	\$24,787	\$10,487	\$2,457	\$1,827	\$874	\$213	\$40,645	(\$313)	\$40,332
Aug-23	\$26,131	\$10,576	\$2,385	\$1,883	\$885	\$222	\$42,082	\$1,138	\$43,220
Sep-23	\$22,601	\$10,172	\$2,563	\$1,631	\$898	\$219	\$38,084	(\$1,693)	\$36,391
Oct-23	\$16,848	\$7,918	\$1,449	\$1,381	\$566	\$229	\$28,391	\$774	\$29,165
Nov-23	\$14,213	\$6,183	\$1,380	\$824	\$566	\$221	\$23,387	(\$833)	\$22,554
Dec-23	\$16,184	\$6,259	\$1,124	\$791	\$591	\$208	\$25,157	(\$656)	\$24,501
RY ending Dec 2023	\$214,436	\$89,678	\$20,278	\$13,730	\$7,986	\$2,609	\$348,717	(\$1,770)	\$346,947

Orange and Rockland Utilities Inc.

Case 21-E-0074

Appendix 21

Schedule 1

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Summary of Monthly Electric RDM Targets - RY 3
Revenue Targets for Rate Year Ending December 31, 2024 - (Thousand \$)

	<u>Residential</u> <u>SC 1/19</u>	<u>Secondary</u> <u>SC 2/20</u>	<u>SC 2p/3/21</u>	<u>Primary</u> <u>SC 9</u>	<u>SC 22</u>	<u>Lighting</u>	<u>TOTAL</u> <u>Billed</u>	<u>Unbilled</u>	<u>O&R</u>
Jan-24	\$18,374	\$6,455	\$1,305	\$723	\$550	\$225	\$27,632	(\$14)	\$27,618
Feb-24	\$16,928	\$6,244	\$1,288	\$724	\$599	\$226	\$26,009	(\$132)	\$25,877
Mar-24	\$15,071	\$6,154	\$1,456	\$640	\$562	\$230	\$24,113	\$714	\$24,827
Apr-24	\$15,018	\$6,312	\$1,366	\$832	\$567	\$216	\$24,311	\$69	\$24,380
May-24	\$14,408	\$6,174	\$1,424	\$863	\$616	\$219	\$23,704	\$1,150	\$24,854
Jun-24	\$17,739	\$7,780	\$1,997	\$1,864	\$1,022	\$215	\$30,617	(\$1,028)	\$29,589
Jul-24	\$25,842	\$10,925	\$2,417	\$1,966	\$962	\$219	\$42,331	(\$45)	\$42,286
Aug-24	\$27,266	\$11,003	\$2,348	\$2,021	\$972	\$228	\$43,838	\$1,332	\$45,170
Sep-24	\$23,561	\$10,591	\$2,519	\$1,777	\$984	\$225	\$39,657	(\$1,478)	\$38,179
Oct-24	\$17,192	\$8,090	\$1,426	\$1,439	\$616	\$232	\$28,995	\$2,029	\$31,024
Nov-24	\$14,482	\$6,262	\$1,349	\$887	\$615	\$224	\$23,819	(\$12)	\$23,807
Dec-24	\$16,512	\$6,312	\$1,097	\$851	\$640	\$209	\$25,621	(\$601)	\$25,020
RY ending Dec 2024	\$222,393	\$92,302	\$19,992	\$14,587	\$8,705	\$2,668	\$360,647	\$1,984	\$362,631

O&R Gas RDM Targets

(in \$000s)

	Billed		Total	UnBilled	
	SC1	SC2 (w/o Rider B)	Billed		TOTAL
Jan-22	20,334.72	3,660.00	23,994.72	1,900.49	25,895.20
Feb-22	20,573.40	3,759.45	24,332.85	(2,160.89)	22,171.96
Mar-22	18,511.35	3,496.99	22,008.34	(1,940.59)	20,067.74
Apr-22	14,161.30	2,546.65	16,707.95	(3,676.96)	13,031.00
May-22	9,399.53	1,615.40	11,014.93	(1,555.06)	9,459.87
Jun-22	6,770.30	1,212.29	7,982.59	(2,278.84)	5,703.75
Jul-22	5,455.22	1,133.52	6,588.74	462.63	7,051.37
Aug-22	5,030.10	1,013.83	6,043.93	289.65	6,333.58
Sep-22	5,270.69	1,014.28	6,284.97	508.56	6,793.53
Oct-22	6,117.01	1,208.14	7,325.15	3,800.31	11,125.46
Nov-22	9,801.19	1,958.71	11,759.90	5,251.28	17,011.18
Dec-22	16,645.39	3,073.22	19,718.61	808.32	20,526.93
TOTAL	138,070.19	25,692.48	163,762.67	1,408.91	165,171.58

O&R Gas RDM Targets

(in \$000s)

	Billed		Total	UnBilled	
	SC1	SC2 (w/o Rider B)	Billed		TOTAL
Jan-23	20,219.92	3,586.63	23,806.55	3,175.15	26,981.71
Feb-23	21,562.45	3,895.32	25,457.77	(2,314.85)	23,142.92
Mar-23	20,066.86	3,751.13	23,817.98	(3,091.84)	20,726.15
Apr-23	15,265.45	2,699.45	17,964.90	(4,473.41)	13,491.49
May-23	9,938.89	1,680.48	11,619.37	(1,720.43)	9,898.94
Jun-23	7,208.71	1,268.50	8,477.21	(2,698.51)	5,778.70
Jul-23	5,685.93	1,144.98	6,830.91	538.60	7,369.51
Aug-23	5,256.50	1,027.44	6,283.95	264.83	6,548.78
Sep-23	5,500.74	1,024.96	6,525.70	499.17	7,024.87
Oct-23	6,333.54	1,227.21	7,560.75	3,794.55	11,355.30
Nov-23	10,365.51	2,040.76	12,406.27	4,603.08	17,009.35
Dec-23	17,447.62	3,174.60	20,622.22	727.76	21,349.99
TOTAL	144,852.12	26,521.47	171,373.59	(695.88)	170,677.70

O&R Gas RDM Targets

(in \$000s)

	Billed		Total	UnBilled	
	SC1	SC2 (w/o Rider B)	Billed		TOTAL
Jan-24	21,440.17	3,561.89	25,002.05	2,841.81	27,843.87
Feb-24	22,309.53	3,765.37	26,074.90	(1,676.14)	24,398.76
Mar-24	20,436.96	3,573.45	24,010.41	(2,435.10)	21,575.31
Apr-24	15,912.25	2,631.74	18,543.99	(4,678.97)	13,865.02
May-24	10,323.95	1,628.77	11,952.72	(1,770.39)	10,182.33
Jun-24	7,430.73	1,219.32	8,650.04	(2,691.34)	5,958.70
Jul-24	5,936.51	1,115.81	7,052.32	521.62	7,573.94
Aug-24	5,478.34	996.88	6,475.22	295.79	6,771.01
Sep-24	5,729.00	993.18	6,722.19	569.84	7,292.02
Oct-24	6,328.83	1,146.05	7,474.88	4,546.02	12,020.90
Nov-24	10,293.18	1,905.45	12,198.63	5,217.10	17,415.73
Dec-24	17,565.73	2,996.96	20,562.69	(447.51)	20,115.18
TOTAL	149,185.17	25,534.87	174,720.04	292.73	175,012.77

CASES 21-E-0074 and 21-G-0073

ATTACHMENT B

TARIFF AMENDMENTS

SUBJECT: Filings by ORANGE AND ROCKLAND UTILITIES, INC.

Amendments to Schedule P.S.C. No. 3 - Electricity

Original Leaves Nos. 220.2, 220.3, 221.1-221.26,
270.1, 276.1, 309.1, 331.1, 356.1
First Revised Leaves Nos. 71-76, 81, 83, 105,
107, 121, 123, 124, 174, 185.4.1, 185.5.1,
185.14, 189.3, 220.1, 221, 234, 235, 252.3,
255.1, 259.1, 263.1, 263.2, 263.3, 280, 349, 353,
354, 378, 380, 383.1, 386, 394, 395, 396, 398
Second Revised Leaves Nos. 12, 13, 108, 113,
169.2, 180.1.1, 181.6, 185.3, 254.1, 254.2,
262.1, 273, 283.1, 308, 379, 381-385, 393, 397
Third Revised Leaves Nos. 7, 68, 114, 116, 143,
155.1, 162, 185.5, 217, 249.1, 252.2, 263, 279,
291, 311, 334, 370, 371
Fourth Revised Leaves Nos. 6, 8, 90, 147, 148.1,
151, 161, 348, 387, 391, 392
Fifth Revised Leaves Nos. 164, 177, 180.4, 182,
254, 256, 265, 296, 342, 343, 390
Sixth Revised Leaves Nos. 156.1, 157, 157.1,
169.1, 215, 252.1, 253, 255, 257, 258, 261, 262,
335, 377, 388
Seventh Revised Leaves Nos. 155, 156, 181.1, 214,
216, 218, 220, 277, 376, 389
Eighth Revised Leaves Nos. 5, 249, 250, 259, 260,
266, 271, 286, 346, 351, 357
Ninth Revised Leaves Nos. 168, 251, 252
Tenth Revised Leaf No. 219
Eleventh Revised Leaves Nos. 264, 270, 312, 321,
322, 331, 332, 336, 356, 359, 373, 374, 375
Twelfth Revised Leaves Nos. 269, 274, 276, 284,
341, 345, 350, 372
Thirteenth Revised Leaves Nos. 272, 278, 283,
309, 310, 347, 352, 358
Fifteenth Revised Leaves Nos. 285, 290, 295, 333
Sixteenth Revised Leaf No. 89

Suspension Supplement Nos. 45, 47, 49

Amendments to Schedule P.S.C. No. 4 - Gas

Original Leaves Nos. 80.3.10, 112.1-112.10
First Revised Leaves Nos. 89.1, 90.6, 90.7, 113.5
Second Revised Leaves Nos. 87, 128.1
Third Revised Leaves Nos. 80.3.9, 84, 85, 88, 89,
90-90.5
Fourth Revised Leaf No. 113.3
Fifth Revised Leaves Nos. 86, 128
Sixth Revised Leaves Nos. 4.1, 93, 113.4
Seventh Revised Leaf No. 126
Eighth Revised Leaves Nos. 5, 79.2, 94.11, 113.1
Ninth Revised Leaf No. 113.2
Tenth Revised Leaves Nos. 79.1, 80.3.1, 80.4, 113
Eleventh Revised Leaves Nos. 80.3.2, 127
Thirteenth Revised Leaves Nos. 81.1, 132
Fifteenth Revised Leaves Nos. 4, 34, 137.2
Sixteenth Revised Leaves Nos. 112, 117
Seventeenth Revised Leaves Nos. 94.9, 94.10
Eighteenth Revised Leaves Nos. 80, 115
Nineteenth Revised Leaf No. 80.1
Twentieth Revised Leaf No. 94.16
Twenty-Third Revised Leaf No. 33.3
Twenty-Ninth Revised Leaf No. 133
Thirtieth Revised Leaves Nos. 114, 130
Thirty-Third Revised Leaf No. 116

Suspension Supplement Nos. 78, 79, 80