

14.2 Attachment 1 to Attachment H (Niagara Mohawk Power Corporation) and NYPA Transmission Adjustment Charge

14.2.1 Attachment 1 to Attachment H: Schedules (Niagara Mohawk Power Corporation)

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Niagara Mohawk Power Corporation
Calculation of RR Pursuant to Attachment H, Section 14.1.9.2

Year

Attachment 1
Schedule 1

Calculation of RR

14.1.9.2 The RR component shall equal the (a) Historical Transmission Revenue Requirement plus (b) the Forecasted Transmission Revenue Requirement plus (c) the Annual True-Up, determined in accordance with the formula below.

Historical Transmission Revenue Requirement (Historical TRR)

Line No.

1	<u>Historical Transmission Revenue Requirement (Historical TRR)</u>			
2				
3	14.1.9.2 (a)	Historical TRR shall equal the sum of NMPC's (A) Return and Associated Income Taxes, (B) Transmission Related Depreciation Expense, (C)		
4		Transmission Related Real Estate Tax Expense, (D) Transmission Related Amortization of Investment Tax Credits,		
5		(E) Transmission Operation and Maintenance Expense, (F) Transmission Related Administrative and General Expenses, (G) Transmission		
		Related Payroll Tax Expense, <u>(H) Amortization of Transmission Regulatory Assets and Liabilities</u> , (H) Billing Adjustments, and (H) Transmission Related Bad Debt		
6		Expense less		
7		(K) Revenue Credits, and (K) Transmission Rents, all determined for the most recently ended calendar year as of the beginning of the update year.		
8		Reference		
9		Section:	0	
10		Return and Associated Income Taxes	(A) #DIV/0!	Schedule 8, Line 64
11		Transmission-Related Depreciation Expense	(B) #DIV/0!	Schedule 9, Line 6, column 5
12		Transmission-Related Real Estate Taxes	(C) #DIV/0!	Schedule 9, Line 12, column 5
13		Transmission - Related Investment Tax Credit	(D) #DIV/0!	Schedule 9, Line 16, column 5 times minus 1
14		Transmission Operation & Maintenance Expense	(E) \$0	Schedule 9, Line 23, column 5
15		Transmission Related Administrative & General Expense	(F) #DIV/0!	Schedule 9, Line 38, column 5
16		Transmission Related Payroll Tax Expense	(G) \$0	Schedule 9, Line 44, column 5
17		<u>Amortization of Transmission Regulatory Assets and Liabilities</u>	<u>(H) #DIV/0!</u>	<u>Schedule 9, Line 46, column 5</u>
1718		Sub-Total (sum of Lines 10 - Line 16 17)	<u>#DIV/0!</u>	
19				
1920		Billing Adjustments	(H) \$0	Schedule 10, Line 1
2021		Bad Debt Expenses	(H) \$0	Schedule 10, Line 4
2422		Revenue Credits	(K) \$0	Schedule 10, Line 7
2223		Transmission Rents	(K) \$0	Schedule 10, Line 14
2324				
2425		Total Historical Transmission Revenue Requirement (Sum of Line 17 18 - Line 22 23)	#DIV/0!	
25				

Niagara Mohawk Power Corporation

Forecasted Transmission Revenue Requirement

Attachment H, Section 14.1.9.2

Attachment 1

Schedule 2

		Year		
Shading denotes an input				
Line No.				
1	14.1.9.2 FORECASTED TRANSMISSION REVENUE REQUIREMENTS			
	(b)			
2	Forecasted TRR shall equal (1) the Forecasted Transmission Plant Additions (FTPA) multiplied by the Adjusted Annual (AFTRRF), plus (2) Forecasted ADIT Adjustment (FADITA), plus (3) the Mid-Year Trend			
3	Adjustment (MYTA), less (4) Transmission Support Payments (TSP), plus (5) the Tax Rate Adjustment (TRA), less (6) Other Billing Adjustments (OBA) as shown in the following formula:			
4				
5	Forecasted TRR = (FTPA * AFTRRF) + FADITA + MYTA - TSP + TRA - OBA			
6				
7		<u>Period</u>	<u>Reference</u>	<u>Source</u>
8				
9				
10	(1) FORECASTED TRANSMISSION PLANT ADDITIONS (FTPA)	\$0		Workpaper 8, Section I, Line 16
11	Adjusted Annual Transmission Revenue Requirement Factor (AFTRRF)	#DIV/0!		Line 78
12	Sub-Total (Lines 10*11)	#DIV/0!		
13				
14	(2) FORECASTED ADIT ADJUSTMENT (FADITA)			
15	The Forecasted ADIT Adjustment (FADITA) shall equal the Forecasted ADIT (FADIT)			
16	multiplied by the Cost of Capital Rate, where:			
17				
18	Forecasted ADIT(FADIT) shall equal the projected change in Accumulated Deferred Income Taxes from the most recently concluded calendar year related to accelerated depreciation and associated with Transmission Plant for the			
19	Forecasted Period calculated in accordance with Treasury regulation Section 1.167(1)-1(h)(6).			
20				
21				
22	Forecasted ADIT (FADIT)	#DIV/0!		Schedule 13, Line 24
23	Cost of Capital Rate	#DIV/0!		Schedule 8, Line 62
24	Forecasted ADIT Adjustment (FADITA)	#DIV/0!		Line 22 * Line 23
25				
26	(3) MID YEAR TREND ADJUSTMENT (MYTA)			
27	The Mid-Year Trend Adjustment shall be the difference, whether positive or negative, between			
28	(i) the Historical TRR Component (E) excluding Transmission Support Payments, based on actual data for the first three months of the Forecast Period,			
29	and (ii) the Historical TRR Component (E) excluding Transmission			

	Support Payments, based on data for the first three months of the year prior to the Forecast Period.		
30			
31	Plus Mid-Year Trend Adjustment (MYTA)	\$0	Workpaper 9, line 32, variance column
32			
33	(4) TRANSMISSION SUPPORT PAYMENTS (TSP)		
34	Less Impact of Transmission Support Payments on Historical Transmission Revenue Requirement	\$0	Worpaper 9A
35	Less: Other Billing Adjustments - Dunkirk Settlement ER14-543-000	\$0	Schedule 10
36			
37	(5) TAX RATE ADJUSTMENT (TRA)		
38	The Tax Rate Adjustment shall be the amount, if any, required to adjust Historical TRR Component (A) for any change in the Federal Income Tax Rate		
39	and/or the State Income Tax Rate that takes effect during the first five months of the Forecast Period.		
40			
41	Tax Rate Adjustment (TRA)	\$0	
42			
43	(6) OTHER BILLING ADJUSTMENTS (OBA)		
44	Other Billing Adjustments shall equal any amounts related to the HTRR calculation that are		
45	required to be adjusted in the current year's FTRR to remove the impact on the Update Year		
46			
47	Other Billing Adjustments (OBA)	\$0	Schedule 10, Line 1
48			
49	Forecasted Transmission Revenue Requirement (Line 12 + Line 24 + Line 31 – Line 34 – Line 35 + Line 41-Line 47)	#DIV/0!	
50			
51	14.1.9.2(c) <u>ANNUAL FORECAST TRANSMISSION REVENUE REQUIREMENT FACTOR</u>		
52			
53	Adjusted Annual Forecast Transmission Revenue Requirement Factor (AFTRRF) shall equal the difference between the Annual Forecast		
54	Transmission Revenue Requirement Factor (FTRRF) and the quotient of (1) Cost of Capital Rate multiplied by the Transmission Related		
55	Accumulated Deferred Taxes less Accumulated Deferred Inv. Tax Cr (255) for the most recently concluded calendar year,		
56	and (ii) the year-end Transmission Plant in Service determined in accordance with Section 14.1.9.2 (a), component (A)1(a).		
57			
58	The Annual Forecast Transmission Revenue Requirement Factor (Annual FTRRF) shall equal the sum of Historical TRR components (A) through (C),		
59	divided by the year-end balance of Transmission Plant in Service determined in accordance with Section 14.1.9.2 (a), component (A)1(a).		
60			
61	Derivation of Annual Forecast Transmission Revenue Requirement Factor (FTRRF)		
62	Investment Return and Income Taxes (A)	#DIV/0!	Schedule 1, Line 10
63	Depreciation Expense (B)	#DIV/0!	Schedule 1, Line 11

64	Property Tax Expense	(C)	#DIV/0!	Schedule 1, Line 12
65	Total Expenses (Lines 62 thru 64)		#DIV/0!	
66	Transmission Plant	(a)	#DIV/0!	Schedule 6, Page 1, Line 12
67	Annual Forecast Transmission Revenue Requirement Factor (Lines 65/ Line 66)		#DIV/0!	
68				
69	Adjustment to FTRRF to reflect removal of ADIT that is subject to normalization			
70	Transmission Related ADIT Balance at year-end		#DIV/0!	Schedule 7, Line 6, Column L
71	Less: Accumulated Deferred Inv. Tax Cr (255)		#DIV/0!	Schedule 7, Line 5, Column L
72	Net Transmission ADIT Balance at year-end		#DIV/0!	Line 70 - Line 71
73	Cost of Capital Rate		#DIV/0!	Schedule 8, Line 62
74	Total Return and Income Taxes Associated with ADIT Balance at year-end		#DIV/0!	Line 72 * Line 73
75				
76	Annual Forecast Transmission Revenue Requirement Factor (FTRRF)		#DIV/0!	Line 67
77	Less: Incremental Annual Forecast Transmission Revenue Requirement Factor Adjustment for ADIT		#DIV/0!	Line 74 / Line 66
78	Adjusted Annual Forecast Transmission Revenue Requirement Factor (AFTRRF)		#DIV/0!	Line 76 - Line 77

Niagara Mohawk Power Corporation

Annual True-up (ATU)

Attachment 1

Schedule 3

Attachment H Section 14.1.9.2 (c)

Line No.	Year		Source:
1			
2	14.1.9.2(d)	The Annual True-Up (ATU) shall equal (1) the difference between the Actual Transmission Revenue Requirement and the Prior Year	
3		Transmission Revenue Requirement, plus (2) the difference between the Actual Scheduling, System Control and Dispatch costs	
4		and Prior Year Scheduling, System Control and Dispatch costs, plus (3) the difference between the Prior Year Billing Units and the Actual Year	
5		Billing Units multiplied by the Prior Year Unit Rate, plus (4) Interest on the net differences.	
6			
7	(1)	Revenue Requirement (RR) of rate effective July 1 of prior year	\$0
8		Less: Annual True-up (ATU) from rate effective July 1 of prior year	\$0
9		Prior Year Transmission Revenue Requirement	\$0
10			
11		Actual Transmission Revenue Requirement	#DIV/0!
12		Difference	#DIV/0!
13			
14	(2)	Prior Year Scheduling, System Control and Dispatch costs (CCC)	\$0
15		Actual Scheduling, System Control and Dispatch costs (CCC)	\$0
16		Difference	\$0
17			
18	(3)	Prior Year Billing Units (MWH)	\$0
19		Actual Billing Units	-
20		Difference	-
21		Prior Year Indicative Rate	#DIV/0!
22		Billing Unit True-Up	#DIV/0!
23			
24		Total Annual True-Up before Interest	#DIV/0!
25			
26	(4)	Interest	#DIV/0!
27			
28		Annual True-up RR Component	#DIV/0!
29			
30	Interest Calculation per 18 CFR § 35.19a		
31	(1)	(2)	(3)
32	Quarters	Annual	Accrued Prin
33		Interest	& Int. @ Beg
34		Rate (a)	Of Period
35			
36	3rd QTR	0	
37	July	0.00%	#DIV/0!
38	August	0.00%	#DIV/0!
39	September	0.00%	#DIV/0!
40			

41	4th QTR		#DIV/0!		92	92	1.0000	#DIV/0!	#DIV/0!
42	October	0.00%		#DIV/0!	31	92	1.0000	#DIV/0!	#DIV/0!
43	November	0.00%		#DIV/0!	30	61	1.0000	#DIV/0!	#DIV/0!
44	December	0.00%		#DIV/0!	31	31	1.0000	#DIV/0!	#DIV/0!
45									
46	1st QTR		#DIV/0!		91	91	1.0000	#DIV/0!	#DIV/0!
47	January	0.00%		#DIV/0!	31	91	1.0000	#DIV/0!	#DIV/0!
48	February	0.00%		#DIV/0!	28	60	1.0000	#DIV/0!	#DIV/0!
49	March	0.00%		#DIV/0!	31	31	1.0000	#DIV/0!	#DIV/0!
50									
51	2nd QTR		#DIV/0!		91	91	1.0000	#DIV/0!	#DIV/0!
52	April	0.00%		#DIV/0!	30	91	1.0000	#DIV/0!	#DIV/0!
53	May	0.00%		#DIV/0!	31	61	1.0000	#DIV/0!	#DIV/0!
54	June	0.00%		#DIV/0!	30	30	1.0000	#DIV/0!	#DIV/0!
55									
56									
57	Total (over)/under Recovery		#DIV/0!	(line 24)	#DIV/0!				#DIV/0!

(a) Interest rates shall be the interest rates as reported on the FERC Website <http://www.ferc.gov/legal/acct-matts/interest-rates.asp>
(b) For leap years use 29 days in the month of February

Attachment 1
Schedule 4

Niagara Mohawk Power Corporation

Wholesale TSC Calculation Information

Line No.		(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Historical Transmission Revenue Requirement (Historical TRR)	Forecasted Transmission Revenue Requirement	Annual True Up	Revenue Requirement (RR)	Scheduling System Control and Dispatch Costs (CCC)	Annual Billing Units (BU) MWh	Rate \$/MWh (*)
1	Prior Year Rates Effective _____ Current Year Rates Effective July 1, _____	-	-	-	-	-	-	#DIV/0!
2	_____	#DIV/0!	#DIV/0!		#DIV/0!	-	-	#DIV/0!
3	Increase/(Decrease)							#DIV/0!
4	Percentage Increase/(Decrease)							#DIV/0!
1.)	Information directly from Niagara Mohawk Prior Year Informational Filing							
2.)								
(a)	Schedule 1, Line 24							
(b)	Schedule 2, Line 49							
(c)	Schedule 3, Line 28							
(d)	Attachment H, Section 14.1.9.2 The RR Component shall equal Col (a) Historical Transmission Revenue Requirement plus Col (b) the Forecasted Transmission Revenue Requirement which shall exclude Transmission Support Payments, plus Col (c) the Annual True-Up plus Col (c) the Annual True-Up							
(e)	Schedule 11, Line 21 - Annual Scheduling, System Control and Dispatch Costs. (i.e. the Transmission Component of control center costs) as recorded in FERC Account 561 and its associated sub-accounts from the prior calendar year excluding any NY Independent System Operator (NYISO) system control and load dispatch expenses already recovered under Schedule 1 of the NYISO Tariff.							
(f)	Schedule 12, line 17 - Billing Units shall be the total Niagara Mohawk load as reported to the NYISO for the calendar year prior to the Forecast Period, including the load for customers taking service under Niagara Mohawk's TSC rate. The total Niagara Mohawk load will be adjusted to exclude (i) load associated with wholesale transactions being revenue credited through the WR, CRR, SR, ECR, and Reserved components of Attachment H of the NYISO TSC rate including Niagara Mohawk's external sales, load associated with grandfathered OATT agreements, and any load related to pre-OATT grandfathered agreements; (ii) load associated with transactions being revenue credited under Historical TRR Component J; and (iii) load associated with netted station service.							
(g)	(Col (d) + Col (e)) / Col (f)							

(*) The rate column represents the unit rate prior to adjustments; the actual rate will be determined pursuant to the applicable TSC formula rate.

Niagara Mohawk Power Corporation
 Allocation Factors - As calculated pursuant to Section 14.1.9.1

Attachment 1
 Schedule 5

		Year		
			Shading denotes an input	
Line No.	Description	Amount	Source	Definition
1	14.1.9.1 1. Electric Wages and Salaries Factor	83.5000%		Fixed per settlement Docket ER08-552
2				
3	14.1.9.1 3. Transmission Wages and Salaries Allocation Factor	13.0000%		Fixed per settlement Docket ER08-552
4				
5				
6				
7				
8	14.1.9.1 2. Gross Transmission Plant Allocation Factor			
9	Transmission Plant in Service	#DIV/0!	Schedule 6, Page 2, Line 3, Col 5	Gross Transmission Plant Allocation Factor shall equal the total investment in
10	Plus: Transmission Related General	\$0	Schedule 6, Page 2, Line 5, Col 5	Transmission Plant in Service, Transmission Related Electric General Plant,
11	Plus: Transmission Related Common	\$0	Schedule 6, Page 2, Line 10, Col 5	Transmission Related Common Plant and Transmission
12	Plus: Transmission Related Intangible Plant	\$0	Schedule 6, Page 2, Line 15, Col 5	Related Intangible Plant
13	Gross Transmission Investment	#DIV/0!	Sum of Lines 9 - 13	divided by Gross Electric Plant.
14				
15	Total Electric Plant		FF1 207.104g	
16	Plus: Electric Common	\$0	Schedule 6, Page 2, Line 10, Col 3	
17	Gross Electric Plant in Service	\$0	Line 15 + Line 16	
18				
19	Percent Allocation	#DIV/0!	Line 13 / Line 17	
20				
21	14.1.9.1 4. Gross Electric Plant Allocation Factor			
22				
23	Total Electric Plant in Service	\$0	Line 15	Gross Electric Plant Allocation Factor shall equal
24	Plus: Electric Common Plant	\$0	Schedule 6, Page 2, Line 10, Col 3	Gross Electric Plant divided by the sum of Total Gas Plant,
25	Gross Electric Plant in Service	\$0	Line 23 + Line 24	Total Electric Plant, and Total Common Plant
26				
27	Total Gas Plant in Service		FF1 201.8d	
28	Total Electric Plant in Service	\$0	Line 15	
29	Total Common Plant in Service	\$0	Schedule 6, Page 2, Line 10, Col 1	
30	Gross Plant in Service (Gas & Electric)	-	Sum of Lines 27-Lines 29	

31			
32	Percent Allocation	<u>#DIV/0!</u>	Line 25 / Line 30

Niagara Mohawk Power Corporation
Annual Revenue Requirements of Transmission Facilities
Transmission Investment Base (Part 1 of 2)
Attachment H, section 14.1.9.2

Attachment 1
Schedule 6
Page 1 of 2

Line No.

1 14.1.9.2 (a) Transmission Investment Base
2
3 A.1. Transmission Investment Base shall be defined as (a) Transmission Plant in Service, plus (b) Transmission Related Electric General Plant, plus
4 (c) Transmission Related Common Plant, plus (d) Transmission Related Intangible Plant, plus (e) Transmission Related Plant Held for Future Use, less
5 (f) Transmission Related Depreciation Reserve, less (g) Transmission Related Accumulated Deferred Taxes, plus (h) ~~Transmission Related~~
~~Regulatory Assets net of Regulatory Liabilities~~Transmission Regulatory Assets and Liabilities, plus (i) Transmission Related Prepayments, plus (j) Transmission
6 Related Materials and Supplies,
7 plus (k) Transmission Related Cash Working Capital.
8
9

Description	Reference	Year	Reference
Section:			
Transmission Plant in Service	(a)	#DIV/0!	Schedule 6, page 2, line 3, column 5
General Plant	(b)	\$0	Schedule 6, page 2, line 5, column 5
Common Plant	(c)	\$0	Schedule 6, page 2, line 10, column 5
Intangible Plant	(d)	\$0	Schedule 6, page 2, line 15, column 5
Plant Held For Future Use	(e)	\$0	Schedule 6, page 2, line 19, column 5
Total Plant (Sum of Line 12 - Line 16)		#DIV/0!	
Accumulated Depreciation	(f)	#DIV/0!	Schedule 6, page 2, line 29, column 5
Accumulated Deferred Income Taxes	(g)	#DIV/0!	Schedule 7, line 6, column 5
Other Regulatory Assets <u>Transmission Regulatory Assets and Liabilities</u>	(h)	#DIV/0!	Schedule 7, line 11, column 5
Net Investment (Sum of Line 17 -Line 21)		#DIV/0!	
Prepayments	(i)	#DIV/0!	Schedule 7, line 15, column 5
Materials & Supplies	(j)	#DIV/0!	Schedule 7, line 21, column 5
Cash Working Capital	(k)	\$0	Schedule 7, line 28, column 5
Total Investment Base (Sum of Line 22 - Line 26)		#DIV/0!	

Niagara Mohawk Power Corporation
 Annual Revenue Requirements of Transmission Facilities
 Transmission Investment Base (Part 1 of 2)

Attachment H Section 14.1. 9.2 (a) A. 1.

Attachment 1
 Schedule 6
 Page 2 of 2

Year

Shading denotes an input

Line	(1)	(2)	(3) = (1)*(2)	(4)	(5) = (3)*(4)	FERC Form 1/PSC Report Reference for col (1)			Definition
No.	Total	Allocation Factor	Electric Allocated	Allocation Factor	Transmission Allocated				
1	<u>Transmission Plant</u>					FF1 207.58g	14.1.9.2(a)A.1.(a)		Transmission Plant in Service shall equal the balance of total investment in Transmission Plant plus Wholesale Metering Investment.
2	Wholesale Meter Plant				#DIV/0!	Workpaper 1			
3	Total Transmission Plant in Service (Line 1+ Line 2)				#DIV/0!				
4									
5	<u>General Plant</u>	100.00%	\$0	13.00%	(c) \$0	FF1 207.99g	14.1.9.2(a)A.1.(b)		Transmission Related Electric General Plant shall equal the balance of investment in Electric General Plant multplied by the Transmission Wages and Salaries Allocation Factor.
6									
7									
8									
9									
10	<u>Common Plant</u>	83.50%	(a) \$0	13.00%	(c) \$0	FF1 201. 8h	14.1.9.2(a)A.1.(c)		Transmission Related Common Plant shall equal Common Plant multiplied by the Electric Wages and Salaries Allocation Factor and further multiplied by the Transmission Wages and Salaries Allocation Factor.
11									
12									
13									
14									
15	<u>Intangible Plant</u>	100.00%	-	13.00%	(c) \$0	FF1 205.5g	14.1.9.2(a)A.1.(d)		Transmission Related Intangible Plant shall equal Intangible Electric Plant multiplied by the Transmission Wages and Salaries Allocation Factor.
16									
17									

						\$0	Workpaper 10	Transmission Related Plant Held
19	<u>Transmission Plant Held for Future Use</u>	\$0					14.1.9.2(a)A.1.(e)	for Future Use shall equal
20								the balance in Plant Held for
21								Future Use associated with
22								property planned to be used for
								transmission service within
								five years.
	<u>Transmission Accumulated</u>							
23	<u>Depreciation</u>							
								Transmission Related
24	Transmission Accum. Depreciation					\$0	FF1 219.25b	Depreciation Reserve shall
25	General Plant Accum.Depreciation	100.00%	\$0	13.00% (c)	\$0	FF1 219.28b	14.1.9.2(a)A.1.(f)	equal the
26	Common Plant Accum Depreciation	83.50% (a)	\$0	13.00% (c)	\$0	FF1 356.1 end of year balance		balance of: (i) Transmission
27	Amortization of Other Utility Plant	100.00%	\$0	13.00% (c)	\$0	FF1 200.21c		Depreciation Reserve, plus (ii)
28	Wholesale Meters	#DIV/0!			#DIV/0!	Workpaper 1		the product of Electric General
29	Total Depreciation (Sum of Line 24 - Line 28)				#DIV/0!			Plant Depreciation Reserve
30								multiplying by the Transmission
31								Wages and Salaries
32								Allocation Factor, plus (iii) the
33								product of Common Plant
34								Depreciation Reserve multiplied
35								by the Electric Wages and
36								Salaries Allocation Factor and
								further multiplying by the
								Transmission Wages and
								Salaries Allocation Factor plus
								(iv)
								the product of Intangible
								Electric Plant Depreciation
								Reserve
								multiplying by the Transmission
								Wages and Salaries
								Allocation Factor plus (v)
								depreciation reserve associated
								with
								the Wholesale Metering
								Investment.
	Allocation Factor Reference							
	(a) Schedule 5, line 1							
	(b) Schedule 5, line 32 - not used on this Schedule							
	(c) Schedule 5, line 3							
	(d) Schedule 5, line 19 - not used on this Schedule							

Niagara Mohawk Power Corporation Annual Revenue Requirements of Transmission Facilities Transmission Investment Base (Part 2 of 2)							Attachment 1 Schedule 7		
Attachment H Section 14.1.9.2 (a) A. 1. Shading denotes an input									
							Year		
Line No.	(1) Total	(2) Allocation Factor	(3) = (1)*(2) Electric Allocated	(4) Allocation Factor	(5) = (3)*(4) Transmission Allocated	FERC Form 1/PSC Report Reference for col (1)	Definition		
1	<u>Transmission Accumulated Deferred Taxes</u>								
2		100.00%	\$0	#DIV/0! (d)	#DIV/0!	FF1 275.2k	14.1.9.2(a)A.1.(g)	Transmission Related Accumulated Deferred Income Taxes shall equal the electric balance of Total Accumulated Deferred Income Taxes (FERC Accounts 190, 55,281, 282, and 283 net of stranded costs), multiplied by the Gross Transmission Plant Allocation Factor.	
3	\$0	100.00%	\$0	#DIV/0! (d)	#DIV/0!	Workpaper 2, Line 5			
4		100.00%	\$0	#DIV/0! (d)	#DIV/0!	FF1 234.8c			
5		100.00%	\$0	#DIV/0! (d)	#DIV/0!	FF1 267.8h			
6	Total (Sum of Line 2 - Line 5)		\$0		#DIV/0!				
7									
8	<u>Other Transmission Regulatory Assets and Liabilities</u>								
9		100.00%	\$0	#DIV/0! (d)	#DIV/0!	FF1 232 lines 2,20,25,34	14.1.9.2(a)A.1.(h)	Transmission Related Regulatory Assets and Liabilities shall be equal the electric balance of Regulatory Assets net of Regulatory Liabilities multiplied by the Gross Transmission Plant Allocation Factor.	
10	FAS 109 (Liability Account 254)	\$0	100.00%	\$0	#DIV/0! (d)	#DIV/0!	FF1 278 lines 18-29(f) Schedule 14, line 8, column S		
11	Total (Line 9 + Line 10)		\$0		#DIV/0!				
12									
13	<u>Transmission Prepayments</u>						FF1 111.57c	14.1.9.2(a)A.1.(i)	Transmission Related Prepayments shall be the product of Prepayments excluding Federal and State taxes multiplied by the Gross Electric Plant Allocation Factor and further multiplied by the Gross Transmission Plant Allocation Factor.
14	Less: Prepaid State and Federal Income Tax						FF1 263 lines 2 & 7 (h)		
15	Total Prepayments (Line 13 + Line 14)		\$0	#DIV/0! (b)	#DIV/0!	#DIV/0! (d)	#DIV/0!		
16									
17									
18	<u>Transmission Material and Supplies</u>							14.1.9.2(a)A.1.(j)	Transmission Related Materials and Supplies shall equal: (i) the balance of Materials and Supplies assigned to Transmission plus (ii) the product of Material and Supplies assigned to Construction multiplied by the Gross Electric Plant Allocation Factor and further multiplied by Gross Transmission Plant Allocation Factor.
19	Trans. Specific O&M Materials and Supplies				\$0	FF1 227.8c			
20	Construction Materials and Supplies		#DIV/0! (b)	#DIV/0!	#DIV/0! (d)	#DIV/0!	FF1 227.5c		
21	Total (Line 19 + Line 20)				#DIV/0!				
22									
23									
24									
25	<u>Cash Working Capital</u>							14.1.9.2(a)A.1.(k)	Transmission Related Cash Working Capital shall be an allowance equal to the product of: (i) 12.5% (45 days/ 360 days = 12.5%) multiplied by (ii) Transmission Operation and Maintenance Expense.
26	Operation & Maintenance Expense				\$0	Schedule 9, Line 23			
27					0.1250	x 45 / 360			
28	Total (Line 26 * Line 27)				\$0				
29									
30									

NYISO Tariffs --> Open Access Transmission Tariff (OATT) --> 14 OATT Attachment H - Annual Transmission Revenue Requireme --> 14.2-14.2.1 OATT Att H Attachment 1 to Attachment H

Allocation Factor Reference

- (a) Schedule 5, line 1 - not used on this Schedule
- (b) Schedule 5, line 32
- (c) Schedule 5, line 3 - not used on this Schedule
- (d) Schedule 5, line 19

Niagara Mohawk Power Corporation
Annual Revenue Requirements of Transmission Facilities
Cost of Capital Rate

Attachment 1
Schedule 8

Shading denotes an input		Year	
Line No.			
1	The Cost of Capital Rate shall equal the proposed Weighted Costs of Capital plus Federal Income Taxes and State Income Taxes.		
2	The Weighted Costs of Capital will be calculated for the Transmission Investment Base using NMPC’s actual capital structure and will equal the sum of (i), (ii), and (iii) below:		
3			
4	(i) the long-term debt component, which equals the product of the actual weighted average embedded cost to maturity of NMPC’s long-term debt outstanding during the year and the sum of (a) the ratio of actual long-term debt to total capital at year-end; and		
5	(b) the extent, if any, by which the ratio of NMPC’s actual common equity to total capital at year-end_exceeds fifty percent (50%). Long term debt shall be defined as the average of the beginning of the year and end of year balances of the following: long term debt less the unamortized		
6	Discounts on Long-Term Debt less the unamortized Loss on Reacquired Debt plus unamortized Gain on Reacquired Debt. Cost to maturity of NMPC’s long-term debt shall be defined as the cost of long term debt included in the debt discount expense and		
7	any loss or gain on reacquired debt.		
8	(ii) the preferred stock component, which equals the product of the actual weighted average embedded cost to maturity of NMPC’s preferred stock then outstanding and the ratio of actual preferred stock to total capital at year-end;		
9			
10	(iii) the return on equity component shall be the product of the allowed return on equity of 10.3% and the ratio of NMPC’s actual common equity to total capital at year-end, provided that such ratio		
11	shall not exceed fifty percent (50%).		
12			
13			
14		CAPITALIZATION	Source:
15		CAPITALIZATION RATIOS	COST OF CAPITAL
16			Source:
17	(i) Long-Term Debt	\$0	Workpaper 6, Line 16b
18	(ii) Preferred Stock		FF1 112.3c
19	(iii) Common Equity		FF1 112.16c - FF1 112.3,12,15c
20			
21	Total Investment Return	\$0	
22			
23			
24			
25			
26	Federal Income		Federal Income
14.1.9.2.2.(b)	Tax shall equal	= (A + [B / C] X	Tax Rate)

	Transmission Investment		
60	Base	#DIV/0!	Schedule 6, page 1 of 2, Line 28
61			
	Cost of Capital		
62	Rate	#DIV/0!	Line 53
63			
	= Investment Return		
64	and Income Taxes	<u>#DIV/0!</u>	Line 60 X Line 62

Niagara Mohawk Power Corporation
 Annual Revenue Requirements of Transmission Facilities
 Transmission Expenses

Attachment 1
 Schedule 9

Attachment H Section 14.1.9.2		Year							
Shading denotes an input									
Line No.	(1) Total	(2) Allocation Factor	(3) = (1)*(2) Electric Allocated	(4) Allocation Factor	(5) = (3)*(4) Transmission Allocated	FERC Form 1/ PSC Report Reference for col (1)	Definition		
<u>Depreciation Expense</u>									
1	Transmission Depreciation				\$0	FF1 336.7f	14.1.9.2.B.	Transmission Related Depreciation Expense shall equal the sum of: (i) Depreciation Expense for Transmission Plant in Service, plus (ii) the product of Electric General Plant Depreciation Expense multiplied by the Transmission Wages and Salaries Allocation Factor plus (iii) Common Plant Depreciation Expense multiplied by the Electric Wages and Salaries Allocation Factor, further multiplied by the Transmission Wages and Salaries Allocation Factor plus (iv) Intangible Electric Plant Depreciation Expense multiplied by the Transmission Wages and Salaries Factor plus (v) depreciation expense associated with the Wholesale Metering Investment.	
2	General Depreciation	100.0000%	\$0	13.0000% (c)	\$0	FF1 336.10f			
3	Common Depreciation	83.5000% (a)	\$0	13.0000% (c)	\$0	FF1 356.1			
4	Intangible Depreciation	100.0000%	\$0	13.0000% (c)	\$0	FF1 336.1f			
5	Wholesale Meters				#DIV/0!	Workpaper 1			
6	Total (Line 1+2+3+4+5)				#DIV/0!				
<u>Real Estate Taxes</u>									
12		100.0000%	\$0	#DIV/0! (d)	#DIV/0!	FF1 263.25i	14.1.9.2.C.	Transmission Related Real Estate Tax Expense shall equal the electric Real Estate Tax Expenses multiplied by the Gross Transmission Plant Allocation Factor.	
<u>Amortization of Investment Tax Credits</u>									
16		#DIV/0! (b)	#DIV/0!	#DIV/0! (d)	#DIV/0!	FF1 117.58c	14.1.9.2.D.	Transmission Related Amortization of Investment Tax Credits shall equal the product of Amortization of Investment Tax Credits multiplied by the Gross Electric Plant Allocation Factor and further multiplied by the Gross Transmission Plant Allocation Factor.	
<u>Transmission Operation and Maintenance</u>									
19	Operation and Maintenance				\$0	FF1 321.112b	14.1.9.2.E.	Transmission Operation and Maintenance Expense shall equal the sum of electric expenses as recorded in FERC Account Nos. 560, 562-574.	
	less Load Dispatching - #561				\$0	FF1 321.84-92b			
	O&M (Line 21 - Line 22)				\$0				
<u>Transmission Administrative and General</u>									
20	Total Administrative and General					FF1 323.197b	14.1.9.2.F.	Transmission Related Administrative and General Expenses shall equal the product of electric Administrative and General Expenses, excluding the sum of Electric Property Insurance, Electric Research and Development Expense and Electric Environmental Remediation Expense, and 50% of the NYPSC Regulatory Expense multiplied by the Transmission Wages and Salaries Allocation Factor,	
	less Property Insurance (#924)					FF1 323.185b			
	less Pensions and Benefits (#926)					FF1 323.187b		Development Expense and Electric Environmental Remediation Expense, and 50% of the NYPSC Regulatory Expense multiplied by the Transmission Wages and Salaries Allocation Factor,	
	less: Research and Development Expenses (#930)	\$0				Workpaper 12			
	Less: 50% of NY PSC Regulatory Expense					50% of Workpaper 15			
	Less: 18a Charges (Temporary Assessment					Workpaper 15			

32	less: Environmental Remediation Expense	\$0					Workpaper 11	
33	Subtotal (Line 26-27-28-29-30-31-32)	\$0	100.0000%	\$0	13.0000% (c)	\$0		plus the sum of Electric Property Insurance multiplied by the Gross Transmission Plant Allocation Factor, plus transmission-specific Electric
34	PLUS Property Insurance alloc. using Plant Allocation	\$0	100.0000%	\$0	#DIV/0! (d)	#DIV/0!	Line 27	
35	PLUS Pensions and Benefits	\$88,644,000	100.0000%	\$88,644,000	13.0000% (c)	\$11,523,720	Workpaper 3	Research and Development Expense, and transmission-specific
36	PLUS Transmission-related research and development	\$0				\$0	Workpaper 12	Electric Environmental Remediation Expense. In addition, Administrative
37	PLUS Transmission-related Environmental Expense	\$0				\$0	Workpaper 11	and General Expenses shall exclude the actual Post-Employment
38	Total A&G (Line 33+34+35+36+37)	\$88,644,000		\$88,644,000		#DIV/0!		Benefits Other than Pensions ("PBOP") included in FERC Account 926, and shall add back in the amounts shown on Workpaper 3, page 1, or other amount subsequently approved by FERC under Section 205 or 206.
39								
40	Payroll Tax Expense							14.1.9.2.G. Transmission Related Payroll Tax Expense shall equal the product of
41	Federal Unemployment						FF1 263.4i	electric Payroll Taxes multiplied by the Transmission Wages and
42	FICA						FF1 263.3i	Salaries Allocation Factor.
43	State Unemployment						FF1 263.9i	
44	Total (Line 41+42+43)	\$0	100.0000%	\$0	13.0000% (b)	\$0		

15								
16	Amortization of (Excess)/ Deficient ADIT	\$0	100.0000%	\$0	#DIV/0! (d)	#DIV/0!	Schedule 14, line 5, column K	14.1.9.2.H Transmission related Amortization of Regulatory Assets and Liabilities shall equal the product of the electric Amortization of Regulatory Assets and Liabilities multiplied by the Gross Transmission Plant Allocation Factor

Allocation Factor Reference
(a) Schedule 5, line 1
(b) Schedule 5, line 32
(c) Schedule 5, line 3
(d) Schedule 5, line 19

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Niagara Mohawk Power Corporation
Annual Revenue Requirements of Transmission Facilities
Billing Adjustments, Revenue Credits, Rental Income

Attachment 1
Schedule 10

Attachment H Section 14.1.9.2 (a)			Year		
Shading denotes an input					
Line No.	Description	(1) Total	Source	Definition	
1	Billing Adjustments			14.1.9.2. H .	Billing Adjustments shall be any adjustments made in accordance with Section 14.1.9.4.4 below. () indicates a refund or a reduction to the revenue requirement on Schedule 1.
2					
3					
4	Bad Debt Expense	\$0	Workpaper 4	14.1.9.2. I .	Transmission Related Bad Debt Expense shall equal
5					Bad Debt Expense as reported in Account 904 related to NMPC's wholesale transmission billing.
6					
7	Revenue Credits	\$0	Workpaper 5	14.1.9.2. J .	Revenue Credits shall equal all Transmission revenue recorded in FERC account 456
8					excluding (a) any NMPC revenues already reflected in the WR, CRR, SR, ECR and Reserved
9					components in Attachment H of the NYISO TSC rate; (b) any revenues associated
10					with expenses that have been excluded from NMPC's revenue requirement; and (c) any
11					revenues associated with transmission service provided under this TSC rate, for which the
12					load is reflected in the calculation of BU.
13					
14	Transmission Rents	\$0	Workpaper 7	14.1.9.2. K .	Transmission Rents shall equal all Transmission-related rental income recorded in FERC
15					account 454.615
16					
17				14.1.9.4(d)	
18				1	Any changes to the Data Inputs for an Annual Update, including but not limited to
19					revisions resulting from any FERC proceeding to consider the Annual Update, or
20					as a result of the procedures set forth herein, shall take effect as of the beginning
21					of the Update Year and the impact of such changes shall be incorporated into the
22					charges produced by the Formula Rate (with interest determined in accordance
23					with 18 C.F.R. § 38.19(a)) in the Annual Update for the next effective Update
24					Year. This mechanism shall apply in lieu of mid-Update Year adjustments and
25					any refunds or surcharges, except that, if an error in a Data Input is discovered
26					and agreed upon within the Review Period, the impact of such change shall be
27					incorporated prospectively into the charges produced by the Formula Rate during
28					the remainder of the year preceding the next effective Update Year, in which case
29					the impact reflected in subsequent charges shall be reduced accordingly.
30				2	The impact of an error affecting a Data Input on charges collected during the
31					Formula Rate during the five (5) years prior to the Update Year in which the error
32					was first discovered shall be corrected by incorporating the impact of the error on
33					the charges produced by the Formula Rate during the five-year period into the
34					charges produced by the Formula Rate (with interest determined in accordance
35					with 18 C.F.R. § 38.19(a)) in the Annual Update for the next effective Update

36 Year. Charges collected before the five-year period shall not be subject to correction.

(b)	List of Items excluded from the Revenue Requirement	Reason
-----	---	-------------------

Attachment 1
 Schedule 11
 Page 1 of 1

Niagara Mohawk Power Corporation
 System, Control, and Load Dispatch Expenses (CCC)
 Attachment H, Section
 14.1.9.5

The CCC shall equal the annual Scheduling, System Control and Dispatch Costs (i.e., the transmission component of control center costs) as recorded in FERC Account 561 and its associated sub-accounts using information from the prior calendar year, excluding NYISO system control and load dispatch expense already recovered under Schedule 1 of the NYISO Tariff.

Line No.					
1	<u>Scheduling and Dispatch Expenses</u>			<u>Year</u>	<u>Source</u>
2					
3	Accounts	561	Load Dispatching		FF1 321.84b
4	Accounts	561.1	Reliability		FF1 321.85b
5	Accounts	561.2	Monitor and Operate Transmission System		FF1 321.86b
6	Accounts	561.3	Transmission Service and Schedule		FF1 321.87b
7	Accounts	561.4	Scheduling System Control and Dispatch		FF1 321.88b
8	Accounts	561.5	Reliability, Planning and Standards Development		FF1 321.89b
9	Accounts	561.6	Transmission Service Studies		FF1 321.90b
10	Accounts	561.7	Generation Interconnection Studies		FF1 321.91b
11	Accounts	561.8	Reliability, Planning and Standards Dev. Services		FF1 321.92b
12					
13	Total Load Dispatch Expenses (sum of Lines 3 - 11)				Sum of Lines 3 - 11
14					
15	Less Account 561 directly recovered under Schedule 1 of the NYISO Tariff				
16					
17	Accounts	561.4	Scheduling System Control and Dispatch		Line 7
18	Accounts	561.8	Reliability, Planning and Standards Dev. Services		Line 11
19	Total NYISO Schedule 1				Line 17 + Line 18
20					
21	Total CCC Component				Line 13 - Line 19

BU shall be the total Niagara Mohawk load as reported to the NYISO for the calendar billing year prior to the Forecast Period, including the load for customers taking service under Niagara Mohawk’s TSC Rate. The total Niagara Mohawk load will be adjusted to exclude (i) load associated with wholesale transactions being revenue credited through the WR, CRR, SR, ECR and Reserved components of Workpaper H of the NYISO TSC rate including Niagara Mohawk’s external sales, load associated with grandfathered OATT agreements, and any load related to pre-OATT grandfathered agreements; (ii) load associated with transactions being revenue credited under Historical TRR Component J; and (iii) load associated with netted station service.

Line No.			<u>SOURCE</u>
1	Subzone 1		NIMO TOL (transmission owner load)
2	Subzone 2		NIMO TOL (transmission owner load)
3	Subzone 3		NIMO TOL (transmission owner load)
4	Subzone 4		NIMO TOL (transmission owner load)
5	Subzone 29		NIMO TOL (transmission owner load)
6	Subzone 31		NIMO TOL (transmission owner load)
7	Total NIMO Load report to NYISO	0.000	Sum of Lines 1-6
8	LESS: All non-retail transactions		
9	Watertown		FF1 page 329.10.j
10	Disputed Station Service		NIMO TOL (transmission owner load)
11	Other non-retail transactions		All other non-retail transactions (Sum of 300,000 series PTID's from TOL)
12	Total Deductions	0.000	Sum of Lines 9 - 11
13	PLUS: TSC Load		
14	NYMPA Muni's, Misc. Villages, Jamestown (X1)		FF1 page 329.17.j
15	NYPA Niagara Muni's (X2)		FF1 page 329.1.j
16	Total additions	0.000	Sum of Lines 14 -15
17	Total Billing Units	0.000	Line 7 - Line 12 + Line 16

Niagara Mohawk Power Corporation
Forecasted Accumulated Deferred Income Taxes (FADIT)

Attachment 1
Schedule 13
Page 1 of 1

Shading denotes an input

Line No.	Description	Amount	
1	Transmission Related ADIT Balance at year-end		Schedule 7, Line 6, Column L
2	Less: Accumulated Deferred Inv. Tax Cr (255)		Schedule 7, Line 5, Column L
3	Net Transmission ADIT Balance at year-end (a)		Line 1 - Line 2
4			
5	Forecasted Transmission Related ADIT balance		Internal Records
6			
7	Change in ADIT		Line 5 - Line 3
8			
9	Monthly Change in ADIT		Line 7 / 12 Months
10			

	(A) Month	(B) Remaining Days	(C) = (B)/ Line 17 (B) IRS Proration %	(D) = Line 9 *(C) Prorated ADIT
11				
12	Month 1		100.00%	-
13	Month 2		100.00%	-
14	Month 3		100.00%	-
15	Month 4		100.00%	-
16	Month 5		100.00%	-
17	Month 6		100.00%	-
18	Month 7		#DIV/0! %	-
19	Month 8		#DIV/0! %	-
20	Month 9		#DIV/0! %	-
21	Month 10		#DIV/0! %	-
22	Month 11		#DIV/0! %	-
23	Month 12		#DIV/0! %	-
24	Total Prorated ADIT Change (Sum of 12 through 23)			\$ -
	(a) The balance in Line 1, Total Transmission ADIT Balance at year-end, shall equal such ADIT that is subject to the normalization rules prescribed by the IRS and the net of the amounts recorded in FERC Account Nos. 281-283 and 190.			-

to Schedule 2, Line 22

Niagara Mohawk Power Corporation
(Excess)/Deficient ADIT Worksheet

Attachment 1
Schedule 14
Page 1 of 2

Shading denotes an input

				(A)	(B)	(C)	(D) = Sum (A), (B) & (C)	(E)	(F)	(G)	(H)	(I)	(J)	(K) = Sum (H), (I) & (J)	
Beginning Balance - Unamortized (Excess)/Deficient ADIT (e)								Amortization Period			Amount Amortized (e)				
Line No.	Description	FERC Account No. (a)	Ref	Protected	Unprotected	Tax gross up (i)	Total	Protected	Unprotected	Ref	FERC Account No. (g)	Protected	Unprotected	Tax gross up (i)	Total
ELECTRIC (EXCESS)/DEFICIENT ADIT - TAX RATE CHANGES															
Property															
1a			(b)				=	ARAM	ARAM	(f)				=	=
1[]			(c), []				=	ARAM	ARAM	(f)				=	=
2	Total Property net of NOL (d)						=							=	=
				=	=		=					=	=		=
Non-Property															
3a			(b)				=							=	=
3[]			(c), []				=							=	=
4	Total Non-Property (d)						=							=	=
				=	=		=					=	=		=
5	TOTAL Electric (Excess)/Deficient ADIT -Tax Rate Changes (Line 2 + Line 4)						=							=	=
ELECTRIC (EXCESS)/DEFICIENT ADIT - OTHER CHANGES															
6a			(i)												
6[]			(c), []												
7	TOTAL Electric (Excess)/Deficient ADIT -Other Changes (d)						=								
8	TOTAL Electric (Excess)/Deficient ADIT (Line 5 + Line 7)						=								
GAS (EXCESS)/DEFICIENT ADIT															
9a															
9[]															
10	TOTAL Gas (Excess)/Deficient ADIT (d)						=								
11	TOTAL FAS 109 (Line 8 + Line 10)						=								

12	FF1 Balance	FF1, Page 232. b	-
13	FF1 Balance	FF1, Page 278. b	-
14	Total (Line 12 + Line 13)		-

- Notes:**
- (a) Remeasured ADIT Accounts
 - (b) Federal Tax Rate Change per 2017 Tax Cuts and Jobs Act
 - (c) Niagara Mohawk Power Corporation may add notes to explain items listed under 1[], 3[], 6 [] and 9 [] without modifying the formula.
 - (d) Total equals the sum of sublines a through [], where [] is the last subline denoted by a letter. Niagara Mohawk Power Corporation may add or remove sublines without a FPA Section 205 filing.
 - (e) Enter credit balances as negatives.
 - (f) Average Rate Assumption Method
 - (g) (Excess)/deficient ADIT to be amortized to FERC Account 411 or 410
 - (h) Other changes to (excess)/deficient balances due to the conclusion of IRS audits during applicable periods affected by a change in federal, state or local tax rates. Other changes may also include classification changes between the protected and unprotected categories due to deferred amortization to maintain rate base neutrality until amortization is approved by the State and Federal Regulatory commissions
 - (i) Amounts approved for recovery in Niagara Mohawk Power Corporation Distribution rates per PSC approved dockets.
 - (j) Tax gross up rate calculated using the Composite Tax Rate / (1 - Composite Tax Rate) in effect for the applicable period.



Niagara Mohawk Power Corporation
(Excess)/Deficient ADIT Worksheet

Attachment 1
Schedule 14
Page 2 of 2

0

Shading denotes an input

(L)

(M)

(N)

(O) = Sum (L), (M) & (N)

(P) = (A) + (H) + (L)

(Q) = (B) + (I) + (M)

(R) = (C) + (J) +(N)

(S) = Sum (P), (Q) & (R)

(T)

Other Changes (h)

Ending Balance - Unamortized (Excess)/Deficient ADIT (e)

Line No.	Protected	Unprotected	Tax gross up (i)	Total	Protected	Unprotected	Tax gross up	Total	Reference
1a			:	:	:	:	:	:	Company Records
1[]			:	:	:	:	:	:	Company Records
2	:	:	:	:	:	:	:	:	
3a			:	:		:	:	:	Company Records
3[]			:	:		:	:	:	Company Records
4	:	:	:	:	:	:	:	:	
5	:	:	:	:	:	:	:	:	
6a									Company Records

6			Company Records
7		=	
8		=	
9a		=	Company Records
9			Company Records
10		=	
11		=	
12	FF1, Page 232. f		
13	FF1, Page 278. f		
14		=	