26.4   Operating Requirement and Bidding Requirement

26.4.1   Purpose and Function

The Operating Requirement is a measure of a Customer's expected financial obligations to the ISO based on the nature and extent of that Customer's participation in ISO-Administered Markets. A Customer shall be required to allocate Unsecured Credit, where allowed, and/or provide collateral in an amount equal to or greater than its Operating Requirement. Upon a Customer's written request, the ISO will provide a written explanation for any changes in the Customer's Operating Requirement.

The Bidding Requirement is a measure of a Customer's potential financial obligation to the ISO based upon the bids that Customer seeks to submit in an ISO-administered TCC or ICAP auction. A Customer shall be required to allocate Unsecured Credit, where allowed, and/or provide collateral in an amount equal to or greater than its Bidding Requirement prior to submitting bids in an ISO-administered TCC or ICAP auction.

26.4.2   Calculation of Operating Requirement

The Operating Requirement shall be equal to the sum of (i) the Energy and Ancillary Services Component; (ii) the UCAP Component; (iii) the TCC Component; (iv) the WTSC Component; (v) the Virtual Transaction Component; (vi) the DADRP Component; and (vii) the DSASP Component where:

26.4.2.1   Energy and Ancillary Services Component

The Energy and Ancillary Services Component shall be equal to:

(a)   For Customers without a prepayment agreement, the greater of either:

$$\frac{\text{Basis Amount for Energy and Ancillary Services} \; \times \; 16}{\text{Days in Basis Month}}$$

- or -

$$\frac{\text{Total Charges Incurred for Energy and Ancillary Services for Previous Ten (10) Days} \times 16}{10}$$

(b)   For Customers that qualify for a prepayment agreement, subject to the ISO's credit analysis and approval, and execute a prepayment agreement in the form provided in Appendix K-1, the greater of either:

$$\frac{\text{Basis Amount for Energy and Ancillary Services} \times 3}{\text{Days in Basis Month}}$$

or-

$$\frac{\text{Total Charges Incurred for Energy and Ancillary Services for Previous Ten (10) Days} \times 3}{10}$$

(c)   For new Customers, the ISO shall determine a substitute for the Basis Amount for Energy and Ancillary Services for use in the appropriate formula above equal to:

EPL x 720 x AEP

where:

EPL   =   estimated peak Load for the Capability Period; and

AEP   =   average Energy and Ancillary Services price during the Prior Equivalent Capability Period after applying the Price Adjustment.

26.4.2.2   UCAP Component

The UCAP Component shall be equal to the total of all amounts then-owed (billed and unbilled) for UCAP purchased in the ISO-administered markets.

26.4.2.3   TCC Component

The TCC Component shall be equal to the greater of either the amount calculated in accordance with Section 26.4.2.3.1(a) or Section 26.4.2.3.2 below.(b) where:

26.4.2.3.1   TCC Award Calculation

(a)   The sum of the amounts calculated in accordance with the appropriate per TCC term-based formula listed below for TCC purchases less the amounts calculated in accordance with the appropriate per TCC term-based formula listed below for TCC sales.; *provided however,* that upon initial award of a TCC until the ISO receives payment for the TCC (or payment for the first year of a two-year TCC), the NYISO will hold the greater of the payment obligation for the TCC or the credit requirement for the TCC calculated in accordance with this Section 26.4.2.3.1.

────── **26.4.2.3.1.1   for tTwo-yYear TCCs:**

(1)   upon initial award of a two-year TCC until completion of the final round of the current onetwo-year Sub-Auction, the sum of the first year and second year amounts, which will be calculated as follows:

First Year:

2   x   the amount calculated in accordance with the

────────   one-year TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt   =   ~~auction~~ market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC~~; provided, however, in the event there is no price for a one-year TCC with the same POI and POW combination as the two-year TCC, then "Pijt" shall equal a proxy price, assigned by the NYISO, for a one-year TCC with like characteristics. For Centralized TCC Auctions conducted before May 1, 2010, the "auction price of a one-year TCC in the final round of the one-year Sub-Auction" means the auction price of a one-year TCC in the final Stage 1 round of the one-year TCC auction~~.

Second Year:

$$+1.909 \sqrt{e^{10.9729 \; + \; .6514 \; (\ln \, (|P_p|+e)) \; + \; .6633 \; * \; Zone \; J}}$$

where:

Pijt   =   market clearing price of that two-year TCC minus the market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC

(2)   upon completion of the final round of the current two-year Sub-Auction until completion of the final round of the current one-year Sub-Auction, the sum of the first year and second year amounts, which will be calculated as follows:

First Year:

the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5 below

where:

Pijt   =   market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC

Second Year:

$$+1.909 \sqrt{e^{10.9729 \ + \ .6514 \ (\ln \ (|P_{p}| + e)) \ + \ .6633 \ * \ Zone \ J}}$$

where:

Pijt = market clearing price of a two-year TCC in the final round of the current two-year Sub-Auction with the same POI and POW combination as the two-year TCC minus the market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC

(3) upon completion of the final round of the current one-year Sub-Auction until the ISO receives payment for the second year of the commencement of year two of a two-year TCC, the sum of the first year and second year amounts, which will be calculated as follows:

First Year:

2   x   the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt = auction market clearing price of a one-year TCC in the final round of the current one-year Sub-Auction with the same POI and POW combination as the two-year TCC

Second Year:

$$+1.909 \sqrt{e^{10.9729 \ + \ .6514 \ (\ln \ (|P_{p}| + e)) \ + \ .6633 \ * \ Zone \ J}}$$

where:

Pijt = market clearing price of a two-year TCC in the final round of the current two-year Sub-Auction with the same POI and POW combination as the two-year TCC minus the market clearing price of a one-year TCC in the

final round of the current one-year Sub-Auction with the same POI and POW combination as the two-year TCC

(4)   upon ISO receipt of payment for the second year of the two-year TCC until

commencement of year two of the two-year TCC, the sum of the first year and second

year amounts, which will be calculated as follows:

First Year:":

the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5 below

where:

Pijt   =   market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior equivalent Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC

———Second Year:

the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5 below

where:

Pijt   =   market clearing price of a one-year TCC in the final round of the one-year Sub-Auction in the prior equivalent Capability Period Centralized TCC Auction with the same POI and POW combination as the two-year TCC

(53)   upon commencement of year two of a two-year TCC until commencement of the final

six months of the two-year TCC:

1   x   the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

P_{ijt} = ~~auction~~ market clearing price of a one-year TCC in the final round of the most recently completed one-year Sub-Auction with the same POI and POW combination as the two-year TCC

(6~~4~~) upon commencement of the final six months of a two-year TCC until commencement of

the final month of the two-year TCC:

the amount calculated in accordance with the six-month TCC formula set forth in Section 26.4.2.3.1.5 ~~listed~~ below

where:

P_{ijt} = ~~auction~~ market clearing price of a six-month TCC in the final round of the most recently completed six-month Sub-Auction with the same POI and POW combination as the two-year TCC

(7~~5~~) upon commencement of the final month of a two-year TCC:

the amount calculated in accordance with the one-month TCC formula set forth in Section 26.4.2.3.1.5~~listed~~ below

where:

P_{ijt} = ~~auction~~market clearing price of a one-month TCC in the most recently completed monthly reconfiguration auction with the same POI and POW combination as the two-year TCC

26.4.2.3.1.2 ~~for o~~One-~~y~~Year TCCs:

(1) upon initial award of a one-year TCC until completion of the final round of the current

one-year Sub-Auction:

the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5~~listed~~ below

(2) upon completion of the final round of the current one-year Sub-Auction until

commencement of the final six months of the one-year TCC:

the amount calculated in accordance with the one-year TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt = auction market clearing price of a one-year TCC in the final round of the current one-year Sub-Auction with the same POI and POW combination as the one-year TCC

(3)   upon commencement of the final six months of a one-year TCC until commencement of the final month of the one-year TCC:

the amount calculated in accordance with the six-month TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt = auction market clearing price of a six-month TCC in the final round of the most recently completed six-month Sub-Auction with the same POI and POW combination as the one-year TCC

(4)   upon commencement of the final month of a one-year TCC:

the amount calculated in accordance with the one-month TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt = auction market clearing price of a one-month TCC in the most recently completed monthly reconfiguration auction with the same POI and POW combination as the one-year TCC

26.4.2.3.1.3 for sSix-mMonth TCCs:

(1)   upon initial award of a six-month TCC until completion of the final round of the current six-month Sub-Auction:

the amount calculated in accordance with the six-month TCC formula set forth in Section 26.4.2.3.1.5listed below

(2)   upon completion of the final round of the current six-month Sub-Auction until

commencement of the final month of a six-month TCC:

the amount calculated in accordance with the six-month TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt   =   auction market clearing price of a six-month TCC in the final round of the current six-month Sub-Auction with the same POI and POW combination as the one-year TCC

(3)   upon commencement of the final month of a six-month TCC:

the amount calculated in accordance with the one-month TCC formula set forth in Section 26.4.2.3.1.5listed below

where:

Pijt   =   auction market clearing price of a one-month TCC in the most recently completed monthly reconfiguration auction with the same POI and POW combination as the six-month TCC

26.4.2.3.1.4   for oOne-mMonth TCCs:

upon initial award of a one-month TCC:

the amount calculated in accordance with the one-month TCC formula set forth in Section 26.4.2.3.1.5listed below

26.4.2.3.1.5 **TCC formulas:**

for one-year TCCs, representing a 5% probability curve:

$$+1.909 \quad \sqrt{e^{10.9729 \ + \ .6514 \ \ (\ln \ (\left|P_{ijt}\right| + e)) \ + \ .6633 \ \ * \ Zone \ \ J}} \quad - 1 \ P_{ijt}$$

for six-month TCCs, representing a 3% probability curve:

$$+2.565 \quad \sqrt{e^{11.6866 + .4749\left(\ln\left(\left|p_{ijt}\right| + e\right)\right) + .4856 * ZoneJ - .0373 Summer}} \quad - 1 \ P_{ijt}$$

for one-month TCCs, representing a 3% probability curve:

$$+2.221 \quad \sqrt{e^{11.2682 + 0.3221 \ (\ln \ (\left|p_{ijt}\right| + e)) + 1.3734 * ZoneJ \ + 2.001 * ZoneK + Month}} \quad - 1 \ P_{ijt}$$

where:

Pijt   =   ~~auction~~ market clearing price of i to j TCC in round t of the auction in which the TCC was purchased;

Zone J   =   1 if TCC sources or sinks but not both in Zone J, zero otherwise;

Zone K   =   1 if TCC sources or sinks but not both in Zone K and does not source or sink in Zone J, 0 otherwise;

Summer   =   1 for six-month TCCs sold in the spring auction, 0 otherwise; and

Month   =   the following values:

January	=	0
February	=	-0.0201
March	=	0
April	=	0
May	=	0.8181
June	=	0.2835
July	=	0.5201
August	=	0.7221
September	=	0
October	=	0.32
November	=	-0.7681
December	=	0

Provided, however, for purposes of determining the credit holding requirement for a Fixed Price TCC, the ~~auction~~ market clearing price shall be replaced by the fixed price associated with that Fixed Price TCC, as determined in Section 19.2.1 or Section 19.2.2, of Attachment M as appropriate, of the OATT.

Further, when calculating "Pijt" in Section 26.4.2.3.1, in the event there is no market clearing price for a two-year, one-year, six-month, or one-month TCC in the appropriate prior Capability Period Centralized TCC Auction with the same POI and POW combination as the awarded two-year, one-year, six-month, or one-month TCC, as appropriate, then the market clearing price shall equal a proxy price, assigned by the ISO, for a TCC with like characteristics.

~~- or -~~

26.4.2.3.2 Mark-to-Market Calculation

(b) The projected amount of the Primary Holder's payment obligation to the NYISO, if any, considering the net mark-to-market value of all TCCs in the Primary Holder's portfolio, as defined for these purposes, according to the formula below:

$$\sum_{n \in N} \left\{ \frac{NAPn}{90} \times RDn \right\} + \sum ACR_n$$

where:

NAP = the net amount of Congestion Rents between the POI and POW composing each TCC_n during the previous ninety days

RD = the remaining number of days in the life of TCC_n; *provided, however,* that in the case of Grandfathered TCCs, RD shall equal the remaining number of days in the life of the longest duration TCC sold in an ISO-administered auction then outstanding;

N = the set of TCCs held by the Primary Holder; and

ACR = the net amount owed to the ISO for Congestion Rents between the POI and POW composing each TCC_n.

26.4.2.4 WTSC Component

The WTSC Component shall be equal to the greater of either:

$$\frac{\text{Greatest Amount Owed for WTSC During Any Single Month in the Prior Equivalent Capability Period}}{\text{Days in Month}} \times 50$$

- or –

$$\text{Total Charges Incurred for WTSC Based Upon the Most Recent Monthly Data Provided by the Transmission Owner} \times 50$$

Days in Month

26.4.2.5   Virtual Transaction Component

The Virtual Transaction Component shall be equal to the sum of the Customer's (i) Virtual Supply credit requirement ("VSCR") for all outstanding Virtual Supply Bids, plus (ii) Virtual Load credit requirement ("VLCR") for all outstanding Virtual Load Bids, plus (iii) net amount owed to the ISO for settled Virtual Transactions.

Where:

$$VSCR = \sum (VSG_{MWh} \times VSG_{CS})$$

$$VLCR = \sum (VLG_{MWh} \times VLG_{CS})$$

Where:

VSG_{MWh} =   the total quantity of MWhs of Virtual Supply that a Customer Bids for all Virtual Supply positions in the Virtual Supply group

VSG_{CS} =   the amount of credit support required in \$/MWh for the Virtual Supply group

VLG_{MWh} =   the total quantity of MWhs of Virtual Load that a Customer Bids for all Virtual Load positions in the Virtual Load group

VLG_{CS} =   the amount of credit support required in \$/MWh for the Virtual Load group

The ISO will categorize each Virtual Supply Bid into one of the 72 Virtual Supply groups set forth in the Virtual Supply chart below, as appropriate, based upon the season, Load Zone, and time-of-day of the Virtual Supply Bid. The amount of credit support required in \$/MWh for a Virtual Transaction in a particular Virtual Supply group shall equal the price differential between the Energy price in the Day-Ahead Market and the Energy price in the Real-Time Market, at the 97th percentile, based upon all possible Virtual Supply positions in the Virtual Supply group for the period of time from April 1, 2005, through the end of the preceding calendar month.

The ISO will categorize each Virtual Load Bid into one of the 30 Virtual Load groups set forth in the Virtual Load chart below, as appropriate, based upon the season, Load Zone, and time-of-day of the Virtual Load Bid. The amount of credit support required in $/MWh for a Virtual Transaction in a particular Virtual Load group shall equal the price differential between the Energy price in the Day-Ahead Market and the Energy price in the Real-Time Market, at the 97th percentile, based upon all possible Virtual Load positions in the Virtual Load group for the period of time from April 1, 2005, through the end of the preceding calendar month.

If a Customer submits Bids for both Virtual Load and Virtual Supply for the same day, hour, and Load Zone, then for those Bids, until such time as those Bids have been evaluated by SCUC, only the greater of the Customer's (i) VLCR for the total MWhs Bid for Virtual Load, or (ii) VSCR for the total MWhs Bid for Virtual Supply will be included when calculating the Customer's Virtual Transaction Component. After evaluation of those Bids by SCUC, then only the credit requirement for the net position of the accepted Bids (in MWhs of Virtual Load or Virtual Supply) will be included when calculating the Customer's Virtual Transaction Component.

Virtual Supply Groups

Summer	Load Zones A–F	Load Zones G–I	Load Zone J	Load Zone K
HB07–10	VSG-1	VSG-7	VSG-13	VSG-19
HB11–14	VSG-2	VSG-8	VSG-14	VSG-20
HB15–18	VSG-3	VSG-9	VSG-15	VSG-21
HB19–22	VSG-4	VSG-10	VSG-16	VSG-22
Weekend/ Holiday (HB07–22)	VSG-5	VSG-11	VSG-17	VSG-23

Night (HB23–06)	VSG-6	VSG-12	VSG-18	VSG-24
Winter				
HB07–10	VSG-25	VSG-31	VSG-37	VSG-43
HB11–14	VSG-26	VSG-32	VSG-38	VSG-44
HB15–18	VSG-27	VSG-33	VSG-39	VSG-45
HB19–22	VSG-28	VSG-34	VSG-40	VSG-46
Weekend/ Holiday (HB07–22)	VSG-29	VSG-35	VSG-41	VSG-47
Night (HB23–06)	VSG-30	VSG-36	VSG-42	VSG-48
Rest-of-Year				
HB07–10	VSG-49	VSG-55	VSG-61	VSG-67
HB11–14	VSG-50	VSG-56	VSG-62	VSG-68
HB15–18	VSG-51	VSG-57	VSG-63	VSG-69
HB19–22	VSG-52	VSG-58	VSG-64	VSG-70
Weekend/ Holiday (HB07–22)	VSG-53	VSG-59	VSG-65	VSG-71
Night (HB23–06)	VSG-54	VSG-60	VSG-66	VSG-72

Where:

Summer = May, June, July, and August

Winter = December, January, and February

Rest-of-Year = March, April, September, October, and November

HB07–10 = weekday hours beginning 07:00–10:00

HB11–14 = weekday hours beginning 11:00–14:00

HB15–18	=	weekday hours beginning 15:00–18:00
HB19–22	=	weekday hours beginning 19:00– 22:00
Weekend/Holiday	=	weekend and holiday hours beginning 07:00–22:00
Night	=	all hours beginning 23:00– 06:00

Virtual Load Groups

Summer	Load Zones A–F	Load Zones G–I	Load Zone J	Load Zone K
HB07–10	VLG-1	VLG-4	VLG-8	VLG-12
HB11–14	VLG-2	VLG-5	VLG-9	VLG-13
HB15–18	VLG-2	VLG-6	VLG-10	VLG-14
HB19–22	VLG-1	VLG-4	VLG-8	VLG-15
Weekend/ Holiday (HB07–22)	VLG-3	VLG-4	VLG-8	VLG-16
Night (HB23–06)	VLG-1	VLG-7	VLG-11	VLG-12
Winter				
HB07–10	VLG-17	VLG-19	VLG-21	VLG-23
HB11–14	VLG-17	VLG-20	VLG-21	VLG-23
HB15–18	VLG-18	VLG-19	VLG-22	VLG-24
HB19–22	VLG-17	VLG-20	VLG-21	VLG-24
Weekend/ Holiday (HB07–22)	VLG-17	VLG-20	VLG-21	VLG-23
Night (HB23–06)	VLG-17	VLG-20	VLG-21	VLG-23
Rest-of-Year				

HB07–10	VLG-25	VLG-26	VLG-27	VLG-29
HB11–14	VLG-25	VLG-26	VLG-28	VLG-29
HB15–18	VLG-25	VLG-26	VLG-28	VLG-30
HB19–22	VLG-25	VLG-26	VLG-27	VLG-30
Weekend/ Holiday (HB07–22)	VLG-25	VLG-26	VLG-27	VLG-30
Night (HB23–06)	VLG-25	VLG-26	VLG-27	VLG-29

Where:

Summer   =   May, June, July, and August

Winter   =   December, January, and February

Rest-of-Year   =   March, April, September, October, and November

HB07–10   =   weekday hours beginning 07:00–10:00

HB11–14   =   weekday hours beginning 11:00–14:00

HB15–18   =   weekday hours beginning 15:00–18:00

HB19–22   =   weekday hours beginning 19:00– 22:00

Weekend/Holiday   =   weekend and holiday hours beginning 07:00–22:00

Night   =   all hours beginning 23:00– 06:00

26.4.2.6   DADRP Component

The DADRP Component shall be equal to the product of: (i) the Demand Reduction Provider's monthly average of MWh of accepted Demand Reduction Bids during the prior summer Capability Period or, where the Demand Reduction Provider does not have a history of accepted Demand Reduction bids, a projected monthly average of the Demand Reduction Provider's accepted Demand Reduction bids; (ii) the average Day-Ahead LBMP at the NYISO Reference Bus during the prior summer

Capability Period; (iii) twenty percent (20%); and (iv) a factor of four (4). The ISO shall adjust the amount

of Unsecured Credit and/or collateral that a Demand Reduction Provider is required to provide

whenever the DADRP Component increases or decreases by ten percent (10%) or more.

26.4.2.7   DSASP Component

The DSASP Component is calculated every two months based on the Demand Side Resource's

Operating Capacity available for the scheduling of such services, the delta between the Day-Ahead and

hourly market clearing prices for such products in the like two-month period of the previous year, and

the location of the Demand Side Resource. Resources located East of Central-East shall pay the Eastern

reserves credit support requirement and Resources located West of Central-East shall pay the Western

reserves credit support requirement. The DSASP Component shall be equal to:

(a)   For Demand Side Resources eligible to offer only Operating Reserves, the product of (i)

the maximum hourly Operating Capacity (MW) for which the Demand Side Resource

may be scheduled to provide Operating Reserves, (ii) the amount of Eastern or Western

reserves credit support, as appropriate, in $/MW per day, and (iii) three (3) days.

Where:

The amount of Eastern reserves credit support ($/MW/day) for each two-month period	=	Eastern Price Differential for the same two-month period in the previous year * the higher of two (2) or the maximum number of daily Reserve Activations for the same two-month period in the previous year
The amount of Western reserves credit support ($/MW/day) for each two-month period	=	Western Price Differential for the same two-month period in the previous year * the higher of two (2) or the maximum number of daily Reserve Activations for the same two-month period in the previous year

Two-month periods:	=	January and February
		March and April
		May and June
		July and August
		September and October
		November and December

MCP_{SRh}	=	Hourly, time-weighted Market Clearing Price for Spinning Reserves

Eastern Price Differential	=	The hourly differential at the 97th percentile of all hourly differentials between the Day-Ahead and Real-Time MCPSRh for Eastern Spinning Reserves for hours in the two-month period of the previous year when the Real-Time MCPSRh for Eastern Spinning Reserves exceeded the Day-Ahead MCPSRh for Eastern Spinning Reserves

Western Price Differential	=	The hourly differential at the 97th percentile of all hourly differentials between the Day-Ahead and Real-Time MCPsSRh for Western Spinning Reserves for hours in the two-month period of the previous year when the Real-Time MCPSRh for Western Spinning Reserves exceeded the Day-Ahead MCPSRh for Western Spinning Reserves

Reserve Activations	=	The number of reserve activations at the 97th percentile of daily reserve activations for days in each two month period of the previous year that had reserve activations.

(b)   For Demand Side Resources eligible to offer only Regulation Service, or Operating

Reserves and Regulation Service, the product of (i) the maximum hourly Operating

Capacity (MW) for which the Demand Side Resource may be scheduled to provide

Regulation Service and Operating Reserves, (ii) the amount of regulation credit support,

as appropriate, in $/MW per day, and (iii) three (3) days.

Where:

The amount of regulation credit support ($/MW/day) for each two-month period	=	Price Differential for the same two-month period in the previous year * 24 hours
Two-month periods:	=	January and February
		March and April
		May and June
		July and August
		September and October
		November and December
MCP_{Regh}	=	Hourly, time-weighted Market Clearing Price for Regulation Services
Price Differential	=	The hourly differential at the 97th percentile of all hourly differentials between the Day-Ahead and Hour-Ahead MCPRegh for hours in the two-month period of the previous year when the Real-Time MCP exceeded the Day-Ahead MCP

26.4.3   Calculation of Bidding Requirement

The Bidding Requirement shall be an amount equal to the sum of:

(i)   the amount of bidding or nominating authorization that the Customer has requested for use in or during, as appropriate, an upcoming ISO-administered TCC auction, which shall account for all positive bids or nominations to purchase TCCs and the absolute value of all negative offers to sell TCCs; *provided, however,* that the amount of credit required for each TCC that the Customer bids or nominates to purchase, whether positive, negative, or zero shall not be less than (a) (2 x $/MW for one-year TCCs) per MW for two-year TCCs, (b) $1,500 per MW for one-year TCCs, (c) $2,000 per MW for six-month TCCs, and (d) $600 per MW for one-month TCCs;

(ii)   the approximate amount that the Customer may owe following an upcoming TCC auction as a result of converting expired ETAs into Historic Fixed Price TCCs pursuant to Section 19.2.1 of Attachment M to the OATT, which shall be calculated in accordance with the provisions of Section 19.2.1 regarding the purchase of TCCs with a duration of ten years;

(iii)   the amount of bidding authorization that the Customer has requested for use in an upcoming ISO-administered ICAP auction; and

(iv)   five (5) days prior to any ICAP Spot Market Auction, the maximum amount that the Customer may be required to pay for UCAP in the auction.