

7/12/2012 NYISO ICAPWG meeting - Central Hudson request

So that the information regarding the technical details of creating new capacity zones are all in one presentation based on the results of the FERC Year 2011 decisions, Central Hudson requests that the NYISO put together a presentation that includes numeric examples to explain how the following items would be computed/developed in the creation of new capacity zones:

- What is the electric model (e.g. Class Year 2011 study or Class Year 2010 study) that would be used to perform the New Capacity Zone (NCZ) study?
- What electric generation, electric transmission, or electric load forecast information would be updated (e.g. using the 2012 Gold Book, etc.) in the electric model used to perform the NCZ study?
- Include/update as needed, per the FERC 2011 decision, the Deliverability Test example that had been presented at the 10/29/2010 NYISO ICAPWG meeting (refer to Attachment #1).
- How will the Locational Capacity Requirement (LCR) be computed for a new nested Capacity zone (e.g. zone G-H-I-J-K) in comparison to computing the LCR for a new stand-alone Capacity zone (e.g. zone G-H-I)? Will the Tan 45 method, currently used to compute the LCR for the New York City zone (zone “J”) and for the Long Island zone (zone “K”), still work for computing a new nested Capacity zone or a new stand-alone Capacity zone?
- Will the Installed Reserve Margin computation for NYCA change as a result of the creation of new capacity zones or new nested capacity zones because of the LCR computation?

To use realistic values, the NYISO can use the information from the Class Year 2009 study as the starting point to develop the numeric examples.

Central Hudson request that the NYISO put together this information and presented it at the September 2012 ICAPWG meeting to help market participants better understand and prepare for the work that needs be done over the next 6 months (October 2012 thru March 2013) in regards to the NCZ study and the subsequent LCR computation.

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Attachment #1

Draft – for Discussion Purposes Only



New Capacity Zone Criterion Example: CY 09 and CY10 Deliverability within ROS

CY09

Deliverability Test	Exporting Zone(s)	Importing Zone(s)	Load (incl. LFU and losses)	Base Generation Dispatch	Available CRIS	Capacity Derates	Net Available Capacity	FCITC (export limit)	Additional Transmission Capacity (+) or Bottled Generation Capacity (-)
ATBA									
Dysinger-East	A	BCDEFGHI	2740.9	4071.8	5196.0	282.8	841.4	1607.6	766.2
West Central	AB	CDEFGHI	4870.9	4771.5	6004.3	357.8	875.0	2002.4	1127.4
Volney-East	ABC	DEFGHI	7945.0	10488.3	13170.9	1285.4	1397.2	2851.0	1453.8
Moses-South	D	ABCEFGHI	836.7	1203.7	1888.9	603.4	81.8	1138.9	1057.1
Total East/Central	ABCDEF	FGHI	10280.9	12280.8	16436.3	2670.4	1485.1	2521.6	1036.5
UPNY-SENY	ABCDEF	GHI	12733.1	16372.1	21072.7	3065.2	1635.4	0.3	-1635.1
UPNY-ConEdison	G	HI	2533.9	2801.0	3081.2	217.4	62.8	1532.3	1469.5
Millwood-South	GH	I	3220.6	4763.7	5248.1	342.6	141.8	2224.2	2082.4

CY10

Deliverability Test	Exporting Zone(s)	Importing Zone(s)	Load (incl. LFU and losses)	Base Generation Dispatch	Available CRIS	Capacity Derates	Net Available Capacity	FCITC (export limit)	Additional Transmission Capacity (+) or Bottled Generation Capacity (-)
ATBA									
Dysinger-East	A	BCDEFGHI	2740.7	4071.8	5286.0	363.8	850.4	1605.2	754.8
West Central	AB	CDEFGHI	4870.7	4771.5	6094.3	438.8	884.0	1991.0	1107.0
Volney-East	ABC	DEFGHI	7948.5	10491.8	13260.9	1366.4	1402.7	3091.7	1689.0
Moses-South	D	ABCEFGHI	836.7	1203.7	1888.9	603.4	81.8	1139.2	1057.4
Total East/Central East	ABCDEF	FGHI	10281.8	12284.0	16526.3	2751.4	1490.9	2705.1	1214.2
UPNY-SENY	ABCDEF	GHI	12735.9	16375.6	21165.7	3146.6	1643.5	-80.1	-1723.6
UPNY-ConEdison	G	HI	2540.4	2808.0	3761.2	256.7	696.5	1428.2	731.7
Millwood-South	GH	I	3227.1	4770.7	5928.1	381.9	775.5	2219.2	1443.7