## 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			Load (incl. LF	U B	ase			Net		Additional Transmission
Deliverability Test	Exporting Zone(s)	Importing Zone(s)	and losses		eration <i>A</i> patch		Capacity Derates	Available Capacity	FCITC (export limit)	Capacity (+) or Bottled Generation Capacity (-)
	ATB/	<u> </u>								
Dysinger-East	Α	BCDEFGHI	274	0.9	4071.8	5196.0	282.8	841.4	1607.6	766.2
West Central	AB	CDEFGHI	487	0.9	4771.5	6004.3	357.8	875.0	2002.4	1127.4
Volney-East	ABC	DEFGHI	794	5.0 1	10488.3	13170.9	1285.4	1397.2	2851.0	1453.8
Moses-South	D	ABCEFGHI	83	6.7	1203.7	1888.9	603.4	81.8	1138.9	1057.1
Total East/Central	ABCDE	FGHI	1028	0.9 1	12280.8	16436.3	2670.4	1485.1	2521.6	1036.5
UPNY-SENY	ABCDEF	GHI	1273	3.1 1	16372.1	21072.7	3065.2	1635.4	0.3	-1635.1
UPNY-ConEdison	G	HI	253	3.9	2801.0	3081.2	217.4	62.8	1532.3	1469.5
Millwood-South	GH	- 1	322	0.6	4763.7	5248.1	342.6	141.8	2224.2	2082.4
0)/40				Load	Base					
CY10 Deliverability Te	Export est Zone ATE	(s) Zone	ting		Generatio n Dispatch	Available	Capacity Derates	Net Available Capacity	FCITC (export limit)	Additional Transmission Capacity (+) or Bottled Generation Capacity (-)
	est Zone	(s) Zone BA	ting	ncl. LFU and	Generatio n	Available CRIS	Derates	Available Capacity	(export limit)	Capacity (+) or Bottled
Deliverability Te	est Zone ATE	(s) Zone BA BCDE	ting (s) I	ncl. LFU and losses)	Generatio n Dispatch	Available CRIS 5286.0	Derates  363.8	Available Capacity	(export limit)	Capacity (+) or Bottled Generation Capacity (-)
Deliverability Te	est Zone ATE	SA BCDE	ting `(s) I	ncl. LFU and losses)	Generatio n Dispatch	Available CRIS 5286.0 6094.3	Derates  363.8 3 438.8	Available Capacity 850.4	(export limit)  1605.2 1991.0	Capacity (+) or Bottled Generation Capacity (-) 754.8
Deliverability Te Dysinger-East West Central	est Zone ATE A AB	(s) Zone BA BCDE CDE DE	ting (s) I EFGHI EFGHI	and losses) 2740.7 4870.7	Generatio n Dispatch 4071.8 4771.5	Available CRIS 5286.0 6094.3 13260.9	Derates  363.8 3 438.8 9 1366.4	Available Capacity 850.4 884.0	(export limit)  1605.2 1991.0 3091.7	Capacity (+) or Bottled Generation Capacity (-) 754.8 1107.0
Deliverability Te Dysinger-East West Central Volney-East	A AB ABC	(s) Zone BA BCDE CDE DE ABCE	ting (s) I EFGHI EFGHI EFGHI	2740.7 4870.7 7948.5	Generatio n Dispatch 4071.8 4771.5 10491.8	Available CRIS  5286.6 6094.3 13260.9 1888.9	Derates  363.8 3 438.8 9 1366.4 9 603.4	Available Capacity 850.4 884.0 1402.7	(export limit)  1605.2 1991.0 3091.7 1139.2	Capacity (+) or Bottled Generation Capacity (-) 754.8 1107.0 1689.0
Deliverability Te Dysinger-East West Central Volney-East Moses-South	A AB ABC D	(s) Zone BCDE CDE DE ABCE	ting (s) I EFGHI EFGHI EFGHI EFGHI	2740.7 4870.7 7948.5 836.7	Generatio n Dispatch 4071.8 4771.5 10491.8 1203.7	Available CRIS 5286.0 6094.3 13260.9 1888.4 16526.3	Derates  363.8 3 438.8 9 1366.4 9 603.4 3 2751.4	850.4 884.0 1402.7	(export limit)  1605.2 1991.0 3091.7 1139.2 2705.1	Capacity (+) or Bottled Generation Capacity (-) 754.8 1107.0 1689.0 1057.4
Deliverability Te Dysinger-East West Central Volney-East Moses-South Total East/Central E	A AB ABC D ABCDE	(s) Zone BCDE CDE DE ABCE	ting (s) I EFGHI EFGHI EFGHI FGHI	ncl. LFU and losses) 2740.7 4870.7 7948.5 836.7 10281.8	Generatio n Dispatch 4071.8 4771.5 10491.8 1203.7 12284.0	Available CRIS  5286.0 6094.3 13260.9 1888.9 16526.3 21165.7	Derates  363.8 3 438.8 9 1366.4 9 603.4 3 2751.4 7 3146.6	850.4 884.0 1402.7 81.8 1490.9	(export limit)  1605.2 1991.0 3091.7 1139.2 2705.1 -80.1	Capacity (+) or Bottled Generation Capacity (-) 754.8 1107.0 1689.0 1057.4 1214.2

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