

Draft - For ICS discussion purposes only

Sensitivity Results based on 2009/2010 IRM Base Case

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Results as of 11/26/2008

Case	Change	NYCA				Area J				Area k			
		LOLE	Cap	Load	RM ¹	LOLE	Cap	Load	%cap	LOLE	Cap	Load	%cap
C20	2009-10 Base Case	0.100	39325.8	33843	16.20%	0.067	9487.2	12009	79.0%	0.077	5277.6	5441	97.0%
S01	NYCA Isolated	0.600	39325.8	33843	16.20%	0.376	9487.2	12009	79.0%	0.352	5277.6	5441	97.0%
S01	NYCA Isolated	0.100	41190.9	33843	21.71%	0.035	9974.2	12009	83.1%	0.071	5528.7	5441	101.6%
S02	No Internal NYCA Transmission Constraints	0.050	39325.8	33843	16.20%	0.047	9487.2	12009	79.0%	0.012	5277.6	5441	97.0%
S02	No Internal NYCA Transmission Constraints	0.100	38733.5	33843	14.45%	0.094	9332.5	12009	77.7%	0.034	5197.8	5441	95.4%
S03	No Load Forecast Uncertainty	0.004	39325.8	33843	16.20%	0.003	9487.2	12009	79.0%	0.001	5277.6	5441	97.0%
S03	No Load Forecast Uncertainty	0.100	37117.3	33843	9.67%	0.087	8901.4	12009	74.1%	0.170	4980.3	5441	91.5%
S04	Run LCR_IRM curve with no external capacity imports (except UDR's and GFs)	See graph											
S04	Run LCR_IRM curve with no external capacity imports (except UDR's and GFs)	See graph											
S05	No Wind Capacity - No 16.2%, Add Capacity to all like conventional sensitivity	0.102	38117.2	33843	12.63%	0.083	9487.2	12009	79.0%	0.064	5277.6	5441	97.0%
S05	No Wind Capacity - No 16.2%, Add Capacity to all like conventional sensitivity	0.100	38143.5	33843	12.71%	0.080	9494.1	12009	79.1%	0.062	5281.1	5441	99.7%
S05A	No Wind Capacity - 16.2% first, Add Capacity to all like conventional sensitivity	0.059	39325.8	33843	16.20%	0.043	9487.2	12009	79.0%	0.040	5277.6	5441	97.0%
S05A	No Wind Capacity - 16.2% first, Add Capacity to all like conventional sensitivity	0.100	38904.0	33843	14.95%	0.075	9376.6	12009	78.1%	0.070	5220.6	5441	96.0%
S06	No SCRs and EDRPs	0.133	39325.1	33843	16.20%	0.111	9487.5	12009	79.0%	0.079	5277.7	5441	97.0%
S06	No SCRs and EDRPs	0.100	39605.3	33843	17.03%	0.083	9560.6	12009	79.6%	0.058	5315.5	5441	97.7%
S07	Time permitting, use NERC class average EFORD for all NYCA thermal units.	2.042	39325.1	33843	16.20%	0.002	9487.5	12009	79.0%	2.039	5277.7	5441	97.0%
S07	Time permitting, use NERC class average EFORD for all NYCA thermal units.	0.100	44995.4	33843	32.95%	0.000	10967.7	12009	91.3%	0.100	6041.0	5441	111.0%
S08	Reduce Internal NYCA Transmission Limits from Base Case by 10%	0.107	39325.8	33843	16.20%	0.083	9487.2	12009	79.0%	0.073	5277.6	5441	97.0%
S08	Reduce Internal NYCA Transmission Limits from Base Case by 10%	0.100	39389.3	33843	16.39%	0.077	9503.8	12009	79.1%	0.068	9286.1	5441	97.2%
S09	Increase rating by 10% for those interfaces that can have higher dynamic ratings.	0.064	39325.8	33843	16.20%	0.055	9487.2	12009	79.0%	0.033	5277.6	5441	97.0%
S09	Increase rating by 10% for those interfaces that can have higher dynamic ratings.	0.100	38923.7	33843	15.01%	0.089	9382.2	12009	78.1%	0.057	5223.5	5441	96.0%
Change External Control Area Margins													
S10A	Increase margins by 10%	0.009	39325.8	33843	16.20%	0.006	9487.2	12009	79.0%	0.007	5277.6	5441	97.0%
S10A	Increase margins by 10%	0.100	36734.2	33843	8.54%	0.079	8810.4	12009	73.4%	0.069	4928.7	5441	90.6%
S10b	Decrease margins by 10%	0.273	39325.8	33843	16.20%	0.230	9487.2	12009	79.0%	0.148	5277.6	5441	97.0%
S10b	Decrease margins by 10%	0.100	40055.8	33843	18.36%	0.080	9677.8	12009	80.6%	0.051	5375.9	5441	98.8%
Change Base Case EFORDs													
S11a	Higher EFORDs	0.180	39325.8	33843	16.20%	0.154	9487.2	12009	79.0%	0.115	5277.6	5441	97.0%
S11a	Higher EFORDs	0.100	39912.9	33843	17.94%	0.084	9640.4	12009	80.3%	0.058	5356.7	5441	98.5%
S11b	Lower EFORDs	0.049	39325.8	33843	16.20%	0.036	9487.2	12009	79.0%	0.031	5277.6	5441	97.0%
S11b	Lower EFORDs	0.100	38739.0	33843	14.47%	0.076	9333.9	12009	77.7%	0.066	5198.4	5441	95.5%
S12	Confidence Level Sensitivities (LOLE 0.85)	0.085	39463.6	33843	16.61%	0.068	9523.1	12009	79.3%	0.052	5296.1	5441	97.3%
S12	Confidence Level Sensitivities (LOLE 0.115)	0.115	39325.8	33843	15.81%	0.093	9452.6	12009	78.7%	0.073	5259.8	5441	96.7%
S13	Loss of Indian Point 2 (for 2009)	0.421	39325.8	33843	16.20%	0.361	9487.2	12009	79.0%	0.274	5277.6	5441	97.0%
S13	Loss of Indian Point 2 (for 2009)	0.100	40944.2	33843	20.98%	0.074	9909.8	12009	82.5%	0.060	5495.5	5441	101.0%
S14	NYISO numbers for Con Ed LFU	0.139	39325.8	33843	16.20%	0.117	9487.2	12009	79.0%	0.083	5277.6	5441	97.0%
S14	NYISO numbers for Con Ed LFU	0.100	39623.7	33843	17.11%	0.083	9567.3	12009	79.7%	0.059	5319.9	5441	97.8%
S14a	Joint CE/NYISO LFU Model	0.111	39325.8	33843	16.20%	0.091	9487.2	12009	79.0%	0.068	5277.6	5441	97.0%
S14a	Joint CE/NYISO LFU Model	0.100	39421.1	33843	16.48%	0.082	9512.1	12009	79.2%	0.061	5290.4	5441	97.2%
Change Base Case load forecast													
S15a	Add 340 MWs	0.106	39721.3	34183	16.20%	0.084	9586.7	12135	79.0%	0.067	5319.5	5484	97.0%
S15a	Add 340 MWs	0.100	38795.4	34183	16.42%	0.078	9606.1	12135	79.2%	0.061	5329.5	5484	97.2%
S15b	Remove 340 MWs	0.095	38931.2	33543	16.20%	0.077	9387.2	11883	79.0%	0.058	5236.0	5398	97.0%

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S15b	Remove 340 MWs	0.100	38868.4	33543	16.01%	0.081	9373.4	11883	78.9%	0.062	5228.9	5398	96.9%
S16	100 MW wheel from MISO to NY	0.100	39325.8	33843	16.20%	0.067	9487.2	12009	79.0%	0.077	5278	5441	97.0%
S16	100 MW wheel from MISO to NY	0.100	39325.8	33843	16.20%	0.067	9487.2	12009	79.0%	0.077	5277.6	5441	97.0%
S17	Remove the Caithness (310 MW) unit (put on maintenance)	0.124	39325.8	33843	16.20%	0.092	9487.2	12009	79.0%	0.091	5277.6	5441	97.0%
S17	Remove the Caithness (310 MW) unit	0.100	39526.8	33843	16.79%	0.072	9539.6	12009	79.4%	0.073	5304.7	5441	97.5%
S17a	Remove Catihness allowing replacement of capacity	0.097	39324.7	33843	16.20%	0.079	9487.2	12009	79.0%	0.059	5277.7	5441	97.0%
S17a	Remove Catihness allowing replacement of capacity	0.100	39298.4	33843	16.12%	0.081	9480.3	12009	78.9%	0.060	5274.1	5441	96.9%
S18	Future Year HEDD Scenario												
S18	Future Year HEDD Scenario												
S19A	Future Year RGGI Scenario 1	0.111	39324.0	33843	16.20%	0.087	9487.2	12009	79.0%	0.070	5277.6	5441	97.0%
S19A	Future Year RGGI Scenario 1	0.100	39429.9	33843	16.51%	0.077	9514.8	12009	79.2%	0.062	5291.9	5441	97.3%
S19B	Future Year RGGI Scenario 2	0.136	39324.0	33843	16.20%	0.102	9487.2	12009	79.0%	0.086	5277.6	5441	97.0%
S19B	Future Year RGGI Scenario 2	0.100	39644.5	33843	17.14%	0.075	9570.1	12009	79.7%	0.060	5320.4	5441	97.8%
S20a	Poletti Retirement (gets replaced with other capacity)	0.097	39325.8	33843	16.20%	0.077	9487.2	12009	79.0%	0.060	5277.6	5441	97.0%
S20a	Poletti Retirement	0.100	39294.0	33843	16.11%	0.080	9479.2	12009	78.9%	0.063	5273.3	5441	96.9%
S20b	<i>Poletti Retirement (goes on maintenace for remainder of year)</i>	0.358	39325.8	33843	16.20%	0.331	9487.2	12009	79.0%	0.174	5277.6	5441	97.0%
S20b	Poletti Retirement	0.100	40701.2	33843	20.26%	0.088	9846.3	12009	82.0%	0.042	5462.8	5441	100.4%
S21	Linden VFT (at 300 MW)												
S21	Linden VFT (at 300 MW)												
S22	Neptune change in UDRs (add 300 MW more in contracts)	0.103	39326.3	33843	16.20%	0.079	9487.2	12009	79.0%	0.069	5278.0	5441	97.0%
S22	Neptune change in UDRs	0.100	39352.6	33843	16.28%	0.077	9494.1	12009	79.1%	0.067	5281.5	5441	97.1%
S23	Run to 5000 iterations	0.098	39325.8	33843	16.20%	0.079	9487.2	12009	79.0%	0.061	5277.6	5441	97.0%
S23	Run to 5000 iterations	-	-	-	-	-	-	-	-	-	-	-	-
S24a	Add NYPA Hudson Project (Queue 206) 660 MW Line from J to PJME	0.100	39326.3	33843	16.20%	0.080	9487.2	12009	79.0%	0.063	5278.0	5441	97.0%
S24b	Add Generic Project - 660 MW Line from J to SWCT	0.065	39326.3	33843	16.20%	0.055	9487.2	12009	79.0%	0.037	5278.0	5441	97.0%
S25	<i>Change random number seed</i>	0.102	39325.8	33843	16.20%	0.083	9487.2	12009	79.0%	0.064	5277.6	5441	97.0%
S25	Change random number seed	0.100	39357.6	33843	16.29%	0.080	9495.5	12009	79.1%	0.062	5281.9	5441	97.1%
S26	<i>Put CT to SWCT interface back to 1100 from 2350 MW</i>	0.149	39325.8	33843	16.20%	0.115	9487.2	12009	79.0%	0.113	5277.6	5441	97.0%
S26	Put CT to SWCT interface back to 1100 from 2350 MW	0.100	39801.8	33843	17.61%	0.080	9611.5	12009	80.0%	0.062	5341.7	5441	98.2%
S27	<i>Last year's load forecast of 33,730 MW</i>	0.106	39194.0	33730	16.20%	0.084	9444.6	11955	79.0%	0.066	5296.3	5460	97.0%
S27	Last year's load forecast of 33,730 MW	0.100	39247.0	33730	16.36%	0.079	9458.5	11955	79.1%	0.062	5303.4	5460	97.1%
S28	<i>Run with no SCRs</i>	0.115	39325.8	33843	16.20%	0.095	9487.2	12009	79.0%	0.067	5277.6	5441	97.0%
S28	Run with no SCRs	0.100	39457.3	33843	16.59%	0.082	9522.0	12009	79.3%	0.058	5299.5	5441	97.4%
S29	<i>Run with last year's SCR performance factors</i>	0.108	39325.8	33843	16.20%	0.088	9487.2	12009	79.0%	0.068	5277.6	5441	97.0%
S29	Run with last year's SCR performance factors	0.100	39400.0	33843	16.42%	0.080	9506.5	12009	79.2%	0.063	5287.6	5441	97.2%
S30	<i>Run with no Wind, but keep LCR levels at 79% and 97%</i>												
S30	Run with no Wind, but keep LCR levels at 79% and 97%												
S31	<i>R-run IP2 loss with in terface ratings change</i>	0.421	39325.8	33843	16.20%	0.361	9487.2	12009	79.0%	0.274	5277.6	5441	97.0%
S31	R-run IP2 loss with in terface ratings change	0.100	40944.2	33843	20.98%	0.074	9909.8	12009	82.5%	0.060	5495.5	5441	101.0%
SCV	Put Con Ed 2008 LFU Model in Base Case	0.083	39325.8	33843	16.20%	0.065	9487.2	12009	79.0%	0.053	5277.6	5441	97.0%
SCV	Put Con En 2008 LFU Model in Base Case	0.100	39022.1	33843	15.30%	0.082	9487.2	12009	79.0%	0.063	5277.6	5441	97.0%
S32	Decrease SCR performance factor by 5 percentage points in all zones	0.112	39325.8	33843	16.20%	0.091	9487.2	12009	79.0%	0.071	5277.6	5441	97.0%
S32	Decrease SCR performance factor by 5 percentage points in all zones												

The items in italics were performed for informational purposes and are not part of the requested Sensitivity runs.