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Consolidated Edison Company of New York, Inc.

MSC Capacity Workpapers

January 2024

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Consolidated Edison Company of New York, Inc.

Development of Capacity Price Estimates for Capability Period
November 2023 - April 2024

January 2024

Table 1

		November 2023 - April 2024
Assumptions		
NYISO Reserve Margin		120.0%
In City Capacity Requirement		81.7%
LHV Capacity Requirement		85.4%
ICAP Market Prices ($/kw - Month)		
In City	$	12.37
LHV	$	3.67
ROS	$	3.43
Effective ICAP Market Prices ($/kw - 6 Month Period)		
In-City	$	74.21
LHV	$	22.03
ROS	$	20.59
New York City Capacity Price Computation		
In City Percentage		81.70%
LHV Percentage		3.70%
ROS Percentage		34.60%
% Cleared Above Requirements (NYISO Website)		
In City Percentage		17.79%
LHV Percentage		14.59%
ROS Percentage		10.64%
In City Price Contribution ($/kW)	$	71.42
LHV Price Contribution ($/kW)	$	0.93
ROS Price Contribution ($/kW)	$	7.88
New York City Price Excluding Losses	$	80.23
Loss Factor		1.071
New York City Rate at Customer	**$**	**85.93**

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Consolidated Edison Company of New York, Inc.

Development of Capacity Price Estimates for Capability Period
November 2023 - April 2024

January 2024

Table 1 cont'd

		November 2023 - April 2024
Westchester Capacity Price Computation		
LHV Percentage		85.4%
ROS Percentage		34.6%
% Cleared Above Requirements (NYISO Website)		
LHV Percentage		14.59%
ROS Percentage		10.64%
LHV Price Contribution ($/kW)	$	21.56
ROS Price Contribution ($/kW)	$	7.88
Westchester Price Excluding Losses	$	29.44
Loss Factor		1.071
Westchester Rate at Customer	**$**	**31.53**

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Consolidated Edison Company of New York, Inc.

Development of System Capacity Market Supply Charge Per kWhr or kW by Service Classification and Capability Period

January 2024

Table 2

Winter Capability Period
November 2023 - April 2024

	New York City (Nov - Apr)	Westchester (Nov - Apr)	Capability Revenue Requirement New York City (Nov - Apr)	Capability Revenue Requirement Westchester (Nov - Apr)	Capability Period Kwhr/kW (Nov - Apr)	NYC Capacity Price Per Kwhr/kW (Nov - Apr)	Westchester Capacity Price Per Kwhr/kW (Nov - Apr)
Estimated Cost of Peaking Capacity Per kw/Per Capability Period (Incl Losses)	$ 85.93	$ 31.53					
1-Hour System Peak Responsibility							
1 Incl WH	4,325,914	4,325,914	$ 371,725,790	$ 136,396,068	5,881,000,000	$ 0.06321	$ 0.02319
2	542,494	542,494	$ 46,616,509	$ 17,104,836	1,289,000,000	$ 0.03616	$ 0.01327
5 CONV	2,495	2,495			1,057	$ -	$ -
5 TOD	13,358	13,358			163,318	$ -	$ -
5	15,853	15,853	$ 1,362,248	$ 499,845	164,375	$ 8.29	$ 3.04
6	41	41	$ 3,523	$ 1,293	4,137,409	$ 0.00085	$ 0.0003
8 Conventional	386,033	386,033	$ 33,171,816	$ 12,171,620	1,403,000	$ 23.64	$ 8.68
8 TOD	33,554	33,554	$ 2,883,295	$ 1,057,958	115,397	$ 24.99	$ 9.17
9 Conventional	3,624,898	3,624,898	$ 311,487,485	$ 114,293,034	20,407,000	$ 15.26	$ 5.60
9 TOD	1,274,724	1,274,724	$ 109,537,033	$ 40,192,048	6,694,584	$ 16.36	$ 6.00
12 Energy Only Conventional	72	72	$ 6,187	$ 2,270	317,344	$ 0.01950	$ 0.00715
12 Conventional	21,245	21,245	$ 1,825,583	$ 669,855	211,000	$ 8.65	$ 3.17
12 TOD	26,235	26,235	$ 2,254,374	$ 827,190	251,588	$ 8.96	$ 3.29
13 TOD	-	-	$ -	$ -	84,354	$ -	$ -
Total	10,251,063	10,251,063	880,873,844	323,216,016			
NYPA	1,725,505	1,725,505	$ 148,272,630	$ 54,405,167			
Total (including NYPA)	**11,976,568**	**11,976,568**	**$ 1,029,146,474**	**$ 377,621,184**			
1 TODS (On Peak kWhrs Only)			$ 371,725,790	$ 136,396,068	2,444,731,700	$ 0.15205	$ 0.05579
1 Rate IV			$ 371,725,790	$ 136,396,068	1,443,197,400	$ 0.25757	$ 0.09451
1 Rider Z			$ 371,725,790	$ 136,396,068	1,443,197,400	$ 0.25757	$ 0.09451
2 TODS (On Peak kWhrs Only)			$ 46,616,509	$ 17,104,836	608,665,800	$ 0.07659	$ 0.02810
8 Voluntary TOD			$ 33,171,816	$ 12,171,620	1,386,978	$ 23.92	$ 8.78
9 Voluntary TOD			$ 311,487,485	$ 114,293,034	20,568,311	$ 15.14	$ 5.56
12 Voluntary TOD			$ 1,825,583	$ 669,855	227,479	$ 8.03	$ 2.94
12 Energy Only TODS (On Peak kWhrs Only)			$ 46,616,509	$ 17,104,836	608,665,800	$ 0.07659	$ 0.02810
1 VTOU			$ -	$ -	$ -	$ -	$ -
VDER Alternative 1 Capacity	3,652,178	3,652,178	$ 313,831,656	$ 115,153,172	8,518,000,000	$ 0.03684	$ 0.01352

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Consolidated Edison Company of New York, Inc.

Development of Monthly Capacity Price for Rider M

January 2024

Table 3

	Jan-24
Assumptions	
NYISO Reserve Margin	120.00%
In-City Capacity Requirement	81.70%
LHV Capacity Requirement	85.40%
UCAP Market Prices ($/kw - NYISO Website)	
In-City	$ 12.80
LHV	$ 4.20
ROS	$ 4.10
Derating Factor Percentages (NYISO Website)	
In-City	4.12%
LHV	6.08%
ROS	10.39%
ICAP Market Prices ($/kw - Month)	
In-City	$ 12.27
LHV	$ 3.94
ROS	$ 3.67
New York City Capacity Price Computation	
In-City Percentage	81.70%
LHV Percentage	3.70%
ROS Percentage	34.60%
	120.00%
% Cleared Above Requirements (NYISO Website)	
In-City	8.14%
LHV	13.60%
ROS	7.88%
In-City Price Contribution ($/kW)	$ 10.84
LHV Price Contribution ($/kW)	$ 0.17
ROS Price Contribution ($/kW)	$ 1.37
New York City Rate at Customer	**$ 12.38**
Westchester Capacity Price Computation	
LHV Percentage	85.40%
ROS Percentage	34.60%
% Cleared Above Requirements (NYISO Website)	
LHV	13.60%
ROS	7.88%
LHV Price Contribution ($/kW)	$ 3.83
ROS Price Contribution ($/kW)	$ 1.37
Westchester Rate at Customer	**$ 5.20**

Notes:
In-City = NYC/Zone J
LHV = Lower Hudson Valley/ G-H Locality
ROS = Rest of State