

Consolidated Edison Company of New York, Inc.

MSC Capacity Workpapers

December 2023

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Consolidated Edison Company of New York, Inc.
Development of Capacity Price Estimates for Capability Period
November 2023 - April 2024

December 2023

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
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Loss Factor	1.071
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<u>New York City Rate at Customer</u>	<u>\$ 85.93</u>
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Consolidated Edison Company of New York, Inc.
Development of Capacity Price Estimates for Capability Period
November 2023 - April 2024

December 2023

Table 1 cont'd

<u>November 2023 - April 2024</u>		
<u>Westchester Capacity Price Computation</u>		
LHV Percentage		85.4%
ROS Percentage		34.6%
<u>% Cleared Above Requirements (NYISO Website)</u>		
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

Consolidated Edison Company of New York, Inc.**Development of System Capacity Market Supply Charge Per kWhr or kW by Service Classification and Capability Period**

December 2023

Table 2**Winter Capability Period
November 2023 - April 2024**

			<u>Capability Revenue Requirement</u>		Capability Period	NYC Capacity Price Per	Westchester Capacity Price Per
	New York City (Nov - Apr)	Westchester (Nov - Apr)	New York City (Nov - Apr)	Westchester (Nov - Apr)	Kwhr/kW (Nov - Apr)	Kwhr/kW (Nov - Apr)	Kwhr/kW (Nov - Apr)
Estimated Cost of Peaking Capacity Per kw/Per Capability Period (Incl Losses)	\$ 85.93	\$ 31.53					
<u>1-Hour System Peak Responsibility</u>							
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

Consolidated Edison Company of New York, Inc.
Development of Monthly Capacity Price for Rider M

December 2023

Table 3

	<u>Dec-23</u>
<u>Assumptions</u>	
NYISO Reserve Margin	120.00%
In-City Capacity Requirement	81.70%
LHV Capacity Requirement	85.40%
<u>UCAP Market Prices (\$/kw - NYISO Website)</u>	
In-City	\$ 12.90
LHV	\$ 2.16
ROS	\$ 1.85
<u>Derating Factor Percentages (NYISO Website)</u>	
In-City	4.12%
LHV	6.08%
ROS	10.39%
<u>ICAP Market Prices (\$/kw - Month)</u>	
In-City	\$ 12.37
LHV	\$ 2.03
ROS	\$ 1.66
<u>New York City Capacity Price Computation</u>	
In-City Percentage	81.70%
LHV Percentage	3.70%
ROS Percentage	34.60%
	<u>120.00%</u>
<u>% Cleared Above Requirements (NYISO Website)</u>	
In-City	8.12%
LHV	13.54%
ROS	10.79%
In-City Price Contribution (\$/kW)	\$ 10.93
LHV Price Contribution (\$/kW)	\$ 0.09
ROS Price Contribution (\$/kW)	\$ 0.64
<u>New York City Rate at Customer</u>	<u>\$ 11.66</u>
 <u>Westchester Capacity Price Computation</u>	
LHV Percentage	85.40%
ROS Percentage	34.60%
<u>% Cleared Above Requirements (NYISO Website)</u>	
LHV	13.54%
ROS	10.79%
LHV Price Contribution (\$/kW)	\$ 1.97
ROS Price Contribution (\$/kW)	\$ 0.64
<u>Westchester Rate at Customer</u>	<u>\$ 2.61</u>

Notes:

In-City = NYC/Zone J

LHV = Lower Hudson Valley/ G-H Locality

ROS = Rest of State