

This sheet is used to gather data about the facility and its historic energy price information. Changing the data points, or selecting different "drop-down" option will impact the output of the model.

1 Maintenance Tier Application for:	Enter Data	Hydro Development Group LLC
2 Application Date	Enter Data	
3 Facility Name	Enter Data	Hailesboro 4
4 NYISO PTID	Enter Data	
5 Facility Location	Enter Data	Hailesboro, New York
	Select from	
6 Type of Eligible Technology	Drop Down	Hydro (10 MW or less)
7 Commercial Operation Date	Enter Data	1993
8 Did the facility generate and deliver its output into the NYCA during 2014?	Select from	
	Drop Down	No
9 Number of MWh generated and delivered into the NYCA in 2014	Enter Data	-
10 10-year historic average production	Enter Data	Yes
	Select from	
11 Does the facility operate as part of a fleet of units	Drop Down	No
11.1 If yes, indicate the NYISO group name	Enter Data	
	Select from	
12 Is the facility under contract to sell its output?	Drop Down	Yes
12.1 If yes, indicate the contractual party	Enter Data	National Grid
13 Maintenance Tier Support Requested (\$/MWh)	Calculation	
14 Nameplate Capacity (MW)	Enter Data	1.70
14.1 Summer UCAP Rating (MW)	Enter Data	0.90
14.2 Winter UCAP Rating (MW)	Enter Data	0.90
15 Historic Period - 12 months ended	Enter Data	31-Dec-24
	Select from	
16 At which level is the facility connected?	Drop Down	Distribution
	Select from	
17 Is the facility compensated by the NYISO or a Utility?	Drop Down	Utility
	Select from	
18 If the facility compensated by a utility, is it compensated under a contract price or an NYISO reference bus price?	Drop Down	NYISO Reference Bus Price
	Select from	
19 NYISO Zone	Drop Down	Mohawk Valley
20 NYISO Reference Bus associated with the facility	Enter Data	
21 Enter the combine Property/School Taxes paid on the facility for the most recent tax year	Enter Data	
21.1 Identify all action taken to reduce this obligation and the associated impact of those actions.	Enter Data	

ENTER REQUIRED DATA BELOW

If the facility is compensated under a contract with a utility at a defined \$/MWh price, complete the table below:

	2024	2025	2026	2027	2027	2028	2029	2030
Contract Price to be Paid	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

If the facility is compensated by the NYISO, or using an ISO reference price price, complete the information below:

Enter below the historic 5-minute interval Real-Time Price paid at the Reference Bus listed above (\$/MWh) for the entire historic period. This data may be obtained from the NYISO Market and Operations database found at:

<https://www.nyiso.com/custom-reports>

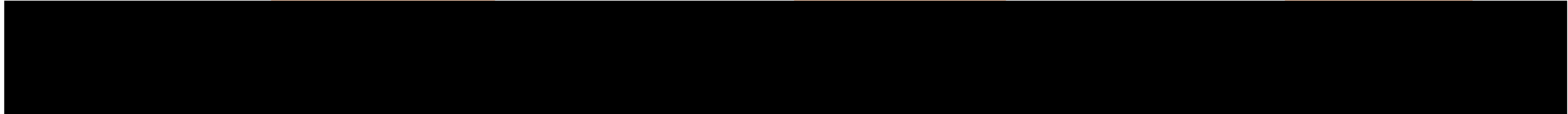
Calculate and enter below the resulting average annual Reference Bus Price from the NYISO data entered below

	2022	2023	2024
Average Annual Reference Bus Price			

Enter below the actual NYISO OASIS Search results. (Note: there should be approximately 105,000 intervals for each complete calendar year.)

This data represents the historical Real-Time LBMP paid at the reported generator bus. This data is used as part of the calculation of an adjusted CARIS energy price used to calculate forecasted energy revenues.

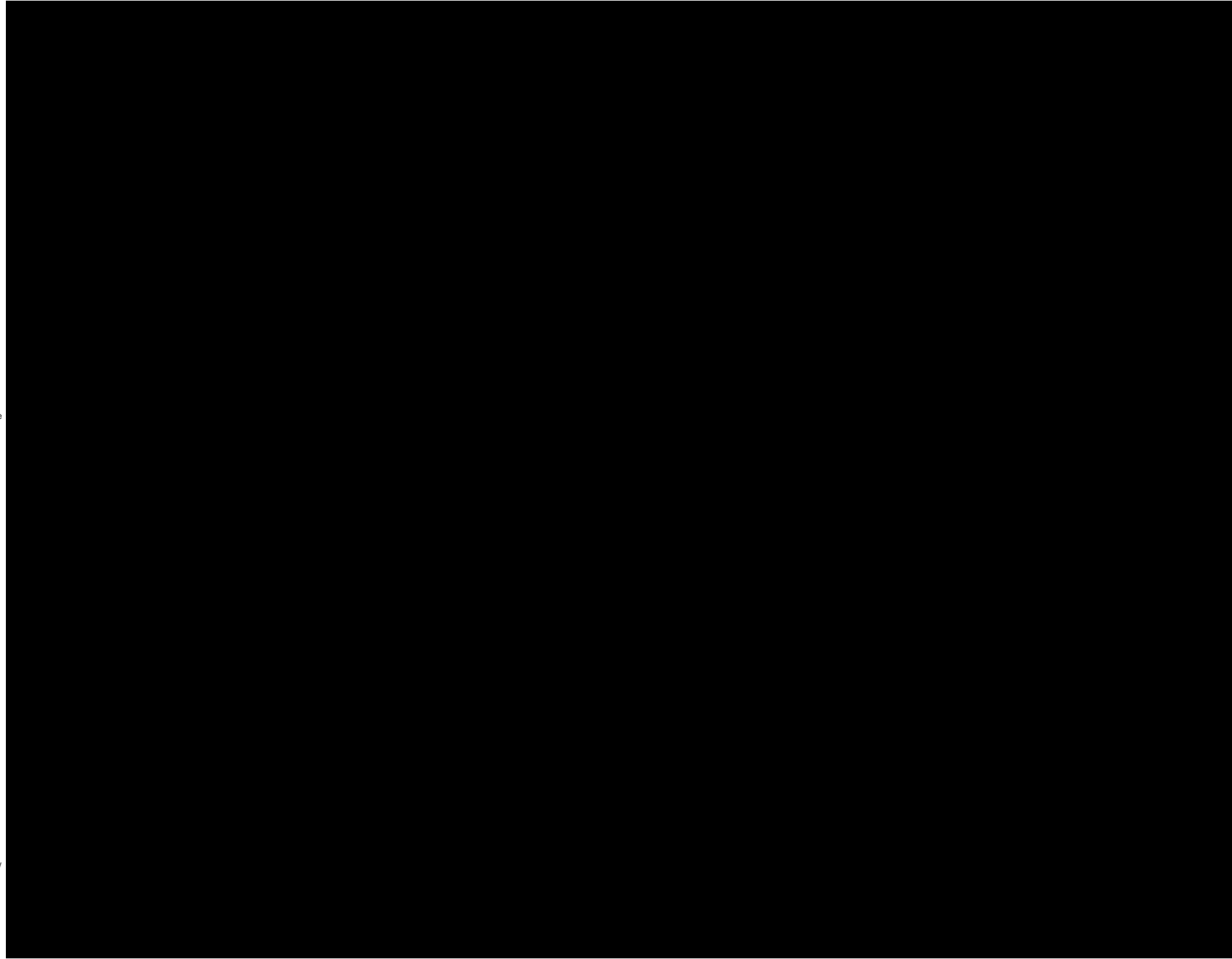
2022							2023							2024						
RTD End Time Stamp	Gen Name	Gen PTID	RTD Gen LBMP	RTD Gen Losses	RTD Gen Congestion	RTD Gen Price Version	RTD End Time Stamp	Gen Name	Gen PTID	RTD Gen LBMP	RTD Gen Losses	RTD Gen Congestion	RTD Gen Price Version	RTD End Time Stamp	Gen Name	Gen PTID	RTD Gen LBMP	RTD Gen Losses	RTD Gen Congestion	RTD Gen Price Version
Eastern Date Hour	Zone Name	Zone PTID	DAM Zonal LBMP	DAM Zonal Losses	DAM Zonal Congestion	DAM Zonal Price Version	Eastern Date Hour	Zone Name	Zone PTID	DAM Zonal LBMP	DAM Zonal Losses	DAM Zonal Congestion	DAM Zonal Price Version	Eastern Date Hour	Zone Name	Zone PTID	DAM Zonal LBMP	DAM Zonal Losses	DAM Zonal Congestion	DAM Zonal Price Version



This sheet is the calculation of the pro forma income statement that will be used to determine if a Tier 2 (Maintenance) need exists. This sheet begins with income and expense data that will be completed by the applicant. The income and expense items list reflect the typical items reflected in previous maintenance tier applications received by the Commission; an actual applicants items may vary. The entered data will be adjusted based on the data and information provided on the "General Data Sheet" tab.

Maintenance Tier Application for:	Halesboro 4
Application Date	0-Jan-00
Maintenance Tier Support Requested (\$/MWh)	\$0.00
Historic Period - 12 months ended	31-Dec-24
NYISO Zone	Mohawk Valley

To be Completed by Applicant



Generation (MWh)	
Average Historic Price	
Forecasted Energy Price	
Revenue	
Energy Sales Revenues	
Capacity and Ancillary Service Revenues	
Voluntary REC sales	
NYSERDA REC Contract	
Total Revenue	
Other Income	
Total Income	
Expense	
Fuel	
Repairs and Maintenance	
Supplies and Equipment	
Transmission Charges	
Environmental, Health and Safety	
Testing Requirements	
Registrations, Fee and Permits	
Compensation and Benefits Expense:	
Direct Labor Salaries and Wages	
Allocated Service Company Labor Salaries	
Contracted Labor Salaries and Wages	
Overtime	
Incentive Compensation	
Payroll Taxes	
Worker's Compensation	
Health Insurance	
Pension	
General Administrative Expenses:	
Administrative Service Fees	
Postage and Shipping Charges	
Professional Services	
Legal Fees	
Bank Service Charges	
Government Relations	
Utilities (Telephone, Electricity)	
Insurance	
Travel	
Property Taxes (School and County)	
Office Equipment, Software and Internet	
Office Expenses	
Advertising	
Dues and Subscriptions	
Other	
Interest Expense	
Depreciation	
Subtotal - Operations and Maintenance Costs	
Contingency Adder (@5% of O&M)	
Subtotal - O&M Plus Contingency	
Allocated InterCompany Charges	
Going Forward Capital Expenditures	
Debt Service/Return on Investment - New	
Depreciation on New Cap Ex Only	
Total Expense	
Net Income	
Implied maintenance REC required	

Maintenance Tier Application for:
 Application Date
 Maintenance Tier Support Requested (\$/MWh)
 Historic Period - 12 months ended

Hailesboro 4
0-Jan-00
0
45657

Projected Capital Expenditures

Project	Cost	Description	Internal or External Cost	Projected Useful Life	Incremental Generation Resulting from Projected Capital Expenditure (MWh)	Work Timeframe	Completion Date	Essential to Maintain Operation
Incremental Generation Resulting from Projected Capital Expenditure (MWh)					0			

Project	Total cost	Useful life	Annualized costs
Total Capital Expenditures			
Total Incremental Annual Straightli			

Return On Projected Capital Expenditure

	2025	2026	2027
Capital Expenditures Balance Beginning of Year			
Capital Expenditures Balance End of Year			
Average Capital Balance			
Proxy Rate of Return*			
Return on Projected Capital Expenditures			

	2015	2016	2017	2018	2019	2020	2021	2022
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total								

Average Historic Generation 2014-2023

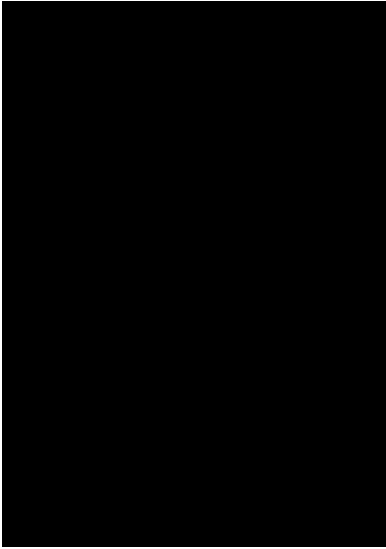
[Redacted]

Incremental Generation from Proposed Capital Improvements

-

2023

2024



Maintenance Tier Application for:
 Application Date
 Maintenance Tier Support Requested (\$/MWh)
 Historic Period - 12 months ended

Hailesboro 4
0-Jan-00
0
45657

DO NOT EDIT
Report NYISO Zone North

Based on NYISO 2021-2040 System & Resource Outlook : Appendix H

Average LBMP (\$/MWh)	2023	2024	2025	2026	2027	2028	2029	2030
West	30.94	30.7	33.41	35.97	37.39	39.64	42.30	44.18
Genesee	30.81	30.73	33.39	35.85	37.23	39.54	42.12	43.91
Central	31.77	31.91	34.77	37.59	38.94	41.30	43.99	45.76
North	28.64	28.96	31.35	33.38	34.82	36.90	39.25	40.91
Mohawk Valley	30.86	30.81	33.16	35.38	36.87	39.03	41.53	43.42
Capital	32.74	31.99	33.85	35.95	37.52	39.72	42.26	44.02
Hudson Valley	33.34	32.31	34.33	36.32	37.95	40.15	42.80	44.57
Millwood	33.36	32.8	34.8	36.8	38.46	40.71	43.43	45.21
Dunwoodie	33.58	32.78	34.76	36.73	38.39	40.63	43.35	45.12
New York City	33.84	33.06	34.92	36.95	38.63	40.81	43.56	45.39
Long Island	36.19	34.98	36.98	38.9	40.62	42.68	45.73	47.77

DO NOT EDIT
Historic compensation paid according to NYISO Reference Bus Price

If facility is compensated an NYISO Reference Bus price:

Variance Between Historic Reference Bus Price and Historic CARIS Forecast Price				
	2022	2023	2024	Average
Historic CARIS Zonal Price				
Historic Average Annual Reference Price				
Variance (% of CARIS Forecast Price)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Adjusted CARIS Forecast Based on the Variance Between Historic Reference Bus Price and Historic CARIS Forecast Price				
	2025	2026	2027	Average
Forecasted CARIS Zonal Price				
Historic Variance Percentage	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Adjusted CARIS Forecast Price	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

If facility is compensated under a utility contract:

From 2021
Figure 114: Projected Baseline Case LBMP (2021-2040) by Zone (\$/MWh)

LBMP (\$/MWh)	2021	2022	2023	2024	2025	2026	2027
West	27.2	26.53	30.94	30.7	33.41	35.97	37.39
Genesee	26.29	26.37	30.81	30.73	33.39	35.85	37.23
Central	28.01	28.05	31.77	31.91	34.77	37.59	38.94
North	22.51	23.6	28.64	28.96	31.35	33.38	34.82
Mohawk Valley	26.58	26.43	30.86	30.81	33.16	35.38	36.87
Capital	33.75	29.88	32.74	31.99	33.85	35.95	37.52
Hudson Valley	32.06	29.5	33.34	32.31	34.33	36.32	37.95
Millwood	32.39	29.82	33.66	32.8	34.8	36.8	38.46
Dunwoodie	32.22	29.72	33.58	32.78	34.76	36.73	38.39
NY City	32.53	30.06	33.84	33.06	34.92	36.95	38.63
Long Island	37.15	33.39	36.19	34.98	36.98	38.9	40.62
Average LBMP (\$/MWh)	30.06	28.49	32.4	31.91	34.16	36.35	37.89

LBMP (\$/MWh)	2031	2032	2033	2034	2035	2036	2037
West	45.97	48.17	49.85	51.66	53.83	56.5	58.22
Genesee	45.66	47.98	49.58	51.46	53.68	56.18	57.96
Central	47.44	49.67	51.54	53.27	55.45	58.01	60.03
North	42.32	44.65	46.32	48.01	49.99	52.18	53.76
Mohawk Valley	44.81	47.09	48.97	50.8	52.91	55.19	56.79
Capital	45.67	47.95	50.02	51.95	53.86	56.18	58.01
Hudson Valley	46.28	48.56	50.54	52.52	54.7	56.91	58.68
Millwood	46.96	49.28	51.29	53.31	55.56	57.78	59.77
Dunwoodie	46.88	49.2	51.2	53.22	55.48	57.68	59.69
NY City	47.18	49.55	51.55	53.53	55.84	58.11	60.17
Long Island	50.08	52.38	54.94	57.06	60.27	62.08	64.55
Average LBMP (\$/MWh)	46.3	48.59	50.53	52.44	54.69	56.98	58.87

If facility is compensated under a contract, use contract price for "Revenue" calculation				
	2025	2026	2027	Average
	Do Not Use for Revenue Calculation	Do Not Use for Revenue Calculation	Do Not Use for Revenue Calculation	#DIV/0!
Contract Price				

2028	2029	2030
39.64	42.3	44.18
39.54	42.12	43.91
41.3	43.99	45.76
36.9	39.25	40.91
39.03	41.53	43.42
39.72	42.26	44.02
40.15	42.8	44.57
40.71	43.43	45.21
40.63	43.35	45.12
40.81	43.56	45.39
42.68	45.73	47.77
40.1	42.76	44.57

2038	2039	2040
61.27	62.64	66.54
61	62.33	66.35
62.92	64.54	68.59
56.4	57.77	61.35
59.61	61.05	64.81
60.68	62.15	65.67
61.41	62.95	66.55
62.55	64.14	67.92
62.45	64.03	67.83
62.9	64.47	68.54
67.78	70.1	74.17
61.72	63.29	67.12

Maintenance Tier Application for:
Application Date
Maintenance Tier Support Requested (\$/MWh)
Historic Period - 12 months ended
NYISO Zone

XYZ Hydro
1-Aug-17

Mohawk Valley

In this table, indicate the level of expense, for each specific expense item, that was allocated. For allocated expense please indicate the nature/category of the cost being allocated and the method. This table is not automatically linked to the "Pro Forma" tab. Staff will review the reported data.

ALLOCATED COSTS

	<u>Amount</u>
Fuel	
Repairs and Maintenance	
Supplies and Equipment	
Transmission Charges	
Environmental, Health and Safety	
Testing Requirements	
Registrations, Fee and Permits	
Compensation and Benefits Expense:	
Salaries and Wages	
Contracted Labor	
Overtime	
Incentive Compensation	
Payroll Taxes	
Worker's Compensation	
Health Insurance	
Pension	
General Administrative Expenses:	
Administrative Service Fees	
Postage and Shipping Charges	
Professional Services	
Legal Fees	
Bank Service Charges	
Government Relations	
Utilities (Telephone, Electricity)	
Insurance	
Travel	
Property Taxes (School and County)	
Office Equipment	
Office Expenses	
Advertising	
Dues and Subscriptions	
Other	



*from the parent or an affiliated company. For each item of methodology used to determine the allocation to the applicant. **This allocated costs and propose adjustments if necessary.***

Category of Cost Being Allocated

Allocation Methodology

\$23.27

Calculated as 75% of the Current E-Value of th

		2024	2025	2026	2027	2028
Zone A	West	23.27	23.27	23.27	23.27	23.27
Zone B	Genesee	23.27	23.27	23.27	23.27	23.27
Zone C	Central	23.27	23.27	23.27	23.27	23.27
Zone D	North	23.27	23.27	23.27	23.27	23.27
Zone E	Mohawk Valley	23.27	23.27	23.27	23.27	23.27
Zone F	Capital	23.27	23.27	23.27	23.27	23.27
Zone G	Hudson Valley	23.27	23.27	23.27	23.27	23.27
Zone H	Millwood	23.27	23.27	23.27	23.27	23.27
Zone I	Dunwoodie	23.27	23.27	23.27	23.27	23.27
Zone J	New York City	23.27	23.27	23.27	23.27	23.27
Zone K	Long Island	23.27	23.27	23.27	23.27	23.27

Maintenance Tier Application for:	Haillesboro 4
Application Date	0-Jan-00
Maintenance Tier Support Requested (\$/MWh)	\$0.00
Historic Period - 12 months ended	31-Dec-24
NYISO Zone	Mohawk Valley

ILLUSTRATIVE WEIGHTED COST OF CAPITAL MODEL *

	Capitalization Ratio ¹	Cost Rate	Weighted After Tax Cost Of Capital	Pre-Tax Weighted Cost *
Long Term Debt	52.00% ²	5.60% ³	2.91%	2.91%
Common Equity	48.00% ⁵	9.47%	4.54%	6.20%
	<u>100.00%</u>		<u>7.45%</u> ³	9.11%
Effective Tax Rate	26.14%			

* This model is designed to developed a generic utility capital structure and will be updated on an annual basis.

Updated March 2025

Federal Tax Rate ⁶	21.0%
State Tax Rate ⁶	7.3%

¹ Average authorized capitalization ratios per recent Commission orders.

² 6 Month Average Cost of Debt (see LTD Tab) 5.60%

³ Nominal rate of return (ROR / EEPS Discount Rate): 7.46%

⁴ Long-run inflation rate (see inflation projection below) 2.31%

⁵ Proxy Group Return on Equity (ROE) 9.47%
(As of January 2021 and based on a multiple rate year agreements)

Real Discount Rate Calculation
Real discount rate = $[(1+WACC)/(1+.LRIR)]-1 =$ 5.03%
RPS Discount Rate: 5.03%

Maintenance Tier Application for:
 Application Date
 Historic Period - 12 months ended
 NYISO Zone
 ICAP Zone
 Nameplate Capacity (MW)
 Summer UCAP (MW)
 Winter UCAP (MW)

Hailesboro 4
0-Jan-00
31-Dec-24
Mohawk Valley
Rest-of-State
1.70
0.90
0.90

ICAP Monthly Forecast Prices, based on the 2024 Goldbook

IC

Summer Capacity Prices (\$/kW-month 2017 \$)

		Lower		
	NYC	Hudson	Long	Rest-of-
		Valley	Island	State
2024	\$17.77	\$4.31	\$4.31	\$4.31
2025	\$18.35	\$3.28	\$3.28	\$3.28
2026	\$17.63	\$0.86	\$0.86	\$0.86
2027	\$18.50	\$0.59	\$0.01	\$0.01
2028	\$18.70	\$0.91	\$0.01	\$0.01
2029	\$18.80	\$1.30	\$0.32	\$0.32
2030	\$19.09	\$1.74	\$0.82	\$0.82
2031	\$19.84	\$2.43	\$1.55	\$1.55
2032	\$19.84	\$2.85	\$2.33	\$2.33
2033	\$19.84	\$3.36	\$3.23	\$3.23
2034	\$19.84	\$3.86	\$3.86	\$3.86
2035	\$19.84	\$4.33	\$4.33	\$4.33
2036	\$19.84	\$4.86	\$4.86	\$4.86
2037	\$19.84	\$5.49	\$5.49	\$5.49
2038	\$19.84	\$6.12	\$6.12	\$6.12
2039	\$19.84	\$7.41	\$7.41	\$7.41
2040	\$19.84	\$7.41	\$7.41	\$7.41
2041	\$19.84	\$7.41	\$7.41	\$7.41
2042	\$19.84	\$7.41	\$7.41	\$7.41
2043	\$19.84	\$7.41	\$7.41	\$7.41
2044	\$19.84	\$7.41	\$7.41	\$7.41

updated June 2025

UCAP Monthly Forecast Prices, based on the 2024 Goldbook

Winter Capacity Prices (\$/kW-month 2017 \$)

	NYC	Lower Hudson Valley	Long Island	Rest-of-State
2024	\$10.80	\$1.71	\$1.71	\$1.71
2025	\$10.90	\$1.42	\$1.42	\$1.42
2026	\$4.57	\$0.01	\$0.01	\$0.01
2027	\$4.91	\$0.01	\$0.01	\$0.01
2028	\$5.13	\$0.01	\$0.01	\$0.01
2029	\$5.24	\$0.01	\$0.01	\$0.01
2030	\$10.55	\$0.96	\$0.96	\$0.96
2031	\$5.98	\$0.94	\$0.94	\$0.94
2032	\$6.02	\$1.72	\$1.72	\$1.72
2033	\$6.05	\$2.62	\$2.62	\$2.62
2034	\$6.08	\$3.24	\$3.24	\$3.24
2035	\$6.12	\$3.70	\$3.70	\$3.70
2036	\$6.15	\$4.23	\$4.23	\$4.23
2037	\$6.19	\$4.86	\$4.86	\$4.86
2038	\$6.23	\$5.48	\$5.48	\$5.48
2039	\$6.26	\$5.00	\$5.00	\$5.00
2040	\$6.29	\$5.00	\$5.00	\$5.00
2041	\$6.31	\$5.00	\$5.00	\$5.00
2042	\$6.33	\$5.00	\$5.00	\$5.00
2043	\$6.34	\$5.00	\$5.00	\$5.00
2044	\$6.35	\$5.00	\$5.00	\$5.00

Summer Capacity Price (\$/kW)

UCAP (MW)

Summer Capacity Revenues

Winter Capacity Price (\$/kW)

UCAP (MW)

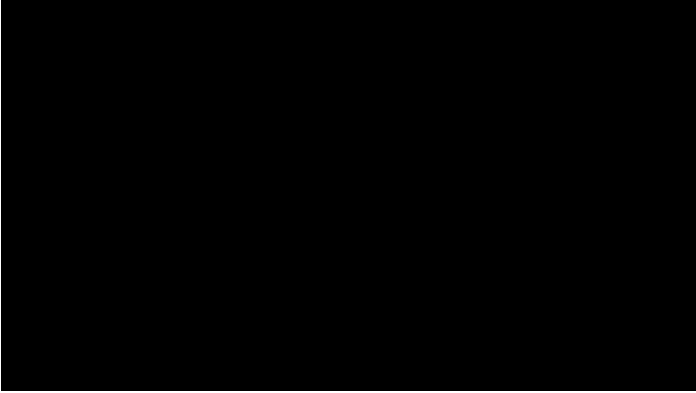
Summer Capacity Revenues

Annual Capacity Revenues

2025

2026

2027



Maintenance Tier Application for:
 Application Date
 Historic Period - 12 months ended
 NYISO Zone
 ICAP Zone
 Nameplate Capacity (MW)
 UCAP (MW)

Hailesboro 4
0-Jan-00
31-Dec-24
Mohawk Valley
Rest-of-State
1.70
0.90

From Staff's Aug 15, 2017 BCA Update, filed in Case 14-M-0101 "ICAP Price" tab.

Annual Capacity Prices (\$/kW-year, 2017 \$)				
		Lower		
	NYC	Hudson Valley	Long Island	Rest-of-State
2017	\$83.40	\$80.43	\$53.03	\$14.37
2018	\$73.36	\$45.78	\$52.67	\$16.47
2019	\$79.39	\$48.30	\$38.89	\$15.72
2020	\$108.65	\$108.65	\$37.96	\$26.59
2021	\$142.50	\$142.50	\$39.82	\$31.12
2022	\$142.49	\$142.49	\$40.54	\$31.67
2023	\$142.48	\$142.48	\$43.03	\$32.85
2024	\$142.47	\$142.47	\$44.19	\$33.75
2025	\$142.46	\$142.46	\$46.53	\$34.87
2026	\$142.44	\$142.44	\$48.13	\$35.96
2027	\$142.42	\$142.42	\$51.54	\$37.33
2028	\$142.41	\$142.41	\$53.72	\$38.46
2029	\$142.40	\$142.40	\$55.89	\$39.59
2030	\$142.69	\$142.38	\$58.06	\$40.73
2031	\$145.08	\$142.37	\$60.23	\$41.86
2032	\$147.47	\$142.36	\$62.86	\$42.99
2033	\$149.84	\$142.34	\$66.16	\$44.13
2034	\$152.20	\$142.33	\$69.45	\$45.26
2035	\$154.56	\$142.32	\$72.72	\$46.39
2036	\$159.07	\$142.30	\$75.98	\$47.53
2037	\$163.95	\$142.29	\$79.23	\$48.66

	<u>2025</u>	<u>2026</u>	<u>2027</u>