

E. BESS Net EAS Results

This appendix provides net EAS results for the BESS technologies for the model utilizing Real-Time Dispatch prices, and the alternative model option utilizing hourly time-weighted/integrated real-time prices that was developed for the 2021-2025 DCR. The appendix tables cover yearly revenues and runtimes during the three-year review period broken down by fuel type, as well as revenues and hours/intervals by day-ahead commitment and real-time dispatch behavior.

The net EAS revenues values provided herein are based on data for the three-year period September 2020 through August 2023. The values will be updated in September 2024 to reflect data for the period September 2021 through August 2024.

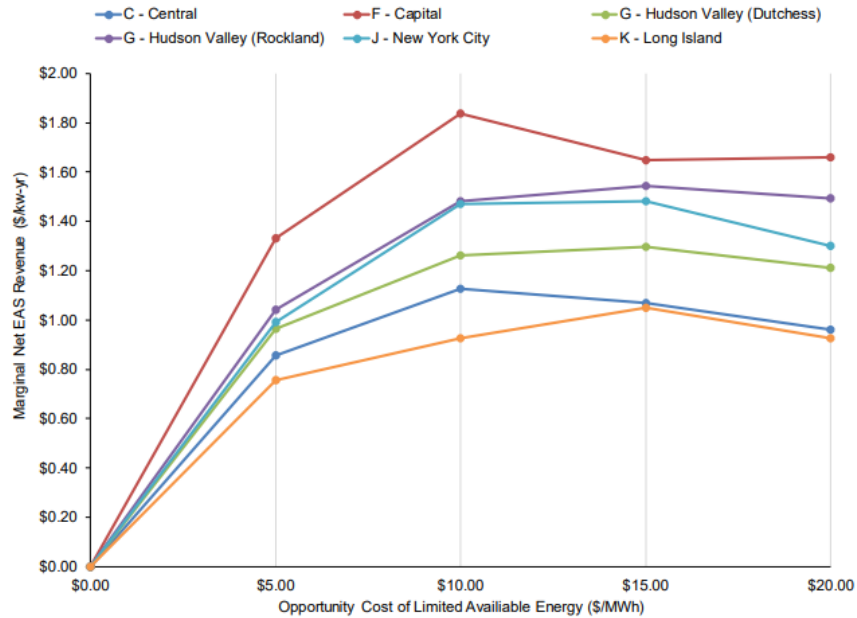
As described in Section IV.B.2.b of the Draft Report, both models utilize the same logic for the DAM. The models use different logic for the RTM. The RTM logic for the model utilizing Real-Time Dispatch prices is described in Section IV.B.2.b of the Draft Report. The RTM logic for the model utilizing hourly time-weighted/integrated real-time prices is summarized below. As further described in Section IV.B of the Draft Report, for the 2025-2029 DCR, AG recommends use of the net EAS model that utilizes RTD interval prices for the BESS options.

The hourly real-time pricing model generates every feasible RTM hour-pair given the currently scheduled DAM energy and reserve hourly positions of the battery. When evaluating and ranking the profitability of adding hour-pairs in the RTM, the model calculates an “estimated profit” using the applicable time-weighted/integrated real-time price for the first hour and the applicable DAM price for the second hour. This approach reflects the fact that, in real-time, a resource operator would not know a future real-time prices and could use the DAM prices for the operating day in question as an approximation. However, once these RTM positions are entered into, the model will use the applicable time-weighted/integrated real-time prices to calculate realized profits, which may be higher or lower than the estimated profits used to enter into the position.

Real-time dispatch (and charging) decisions also incorporate a hurdle rate that accounts for LBMP uncertainty in the real-time market. This hurdle rate reflects two components - an opportunity cost of limited available energy and a risk premium. The hourly real-time pricing model must clear the hurdle rate (i.e., estimate its new position to be more profitable than the hurdle rate) in order to enter into a RTM position. The hurdle rates used by the hourly real-time pricing model differ from the seasonal hurdle rates recommended by AG for use in the RTD pricing model as further described in Section IV.2.b of the Draft Report.

The opportunity cost of limited available energy component reflects that, if the battery used its limited energy to earn revenues in low priced hours, it may not have sufficient stored energy to earn higher revenues in the future. The risk premium component accounts for market participant’s risk aversion when participating in the real-time market, given the potential for higher volatility of real-time prices and the potential for losses to result from deviations from its DAM positions. We assume the risk premium is \$10/MWh, and calculate the opportunity cost of limited available energy component as an estimate of the revenue-maximizing opportunity cost by evaluating marginal net EAS revenues for different assumed hurdle rates and selecting the revenue maximizing opportunity cost value.

**Appendix Figure 1. Change in RTM Net EAS Revenues for Alternative Bid Offer Hurdle Costs,
4-Hour Battery**



Note: [1] Marginal Net EAS revenue is defined as the extra revenue gained compared to an evaluated \$0/MWh opportunity cost value.
[2] Figure reflects results from the 2021-2025 DCR, and historical data for the three-year period September 2017 through August 2020.

The results for the model using hourly real-time prices reported in the appendix use the same hurdle rates as estimated in the 2021-2025 DCR. Specifically, the total hurdle rate is \$20 per MWh in Load Zone C and Load Zone F, and \$25 per MWh in Load Zone G (Dutchess County), Load Zone G (Rockland County), Load Zone J, and Load Zone K. AG recommends continued use of these hurdle rates for the 2025-2029 DCR as it relates to the hourly real-time pricing model. These hurdle rates for the hourly real-time pricing model would remain fixed for the four-year reset period.

Dispatch Co-Optimization By Year: Run Intervals
Battery Energy Storage System (BESS) 2-Hour, 5-Minute RTM Model

Real-Time Dispatch Price Intervals: September 2020 - August 2021																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	1,907	3	1,875	20	0	4,325	87	0	329	404	93,075	4,346	1	0	0	747	3,628	103,491	107,119
F	Capital	1,344	7	1,344	7	0	4,395	54	0	587	664	92,470	5,686	0	0	0	561	3,557	103,562	107,119
G	Hudson Valley (Dutchess)	2,563	0	2,564	0	0	4,420	9	0	27	43	95,654	929	12	10	0	888	3,612	103,507	107,119
G	Hudson Valley (Rockland)	1,757	0	1,758	0	0	4,423	3	0	27	43	97,383	850	12	10	0	853	3,612	103,507	107,119
J	NYC	1,476	0	1,478	0	0	4,417	6	0	76	101	98,251	1,134	0	0	0	180	3,636	103,483	107,119
K	Long Island	4,355	148	4,398	75	0	4,332	106	0	1,523	1,737	78,985	7,692	17	34	0	3,717	3,619	103,500	107,119

Real-Time Dispatch Price Intervals: September 2021 - August 2022																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	3,806	324	3,460	667	0	3,604	827	0	3,529	4,392	72,660	12,606	40	144	18	1,658	4,568	103,167	107,735
F	Capital	3,483	258	2,960	751	0	3,687	770	0	2,356	3,054	78,295	9,621	124	338	239	1,799	4,577	103,158	107,735
G	Hudson Valley (Dutchess)	4,488	22	4,439	0	0	4,429	3	0	217	243	88,720	2,851	0	1	0	2,322	4,626	103,109	107,735
G	Hudson Valley (Rockland)	3,989	21	3,957	0	0	4,429	3	0	221	251	89,895	3,063	0	1	0	1,905	4,626	103,109	107,735
J	NYC	3,583	28	3,544	6	0	4,413	12	0	233	291	91,654	3,081	3	1	0	886	4,622	103,113	107,735
K	Long Island	5,288	437	5,070	574	0	3,823	604	0	2,905	3,357	68,180	9,481	69	277	158	7,512	4,617	103,118	107,735

Real-Time Dispatch Price Intervals: September 2022 - August 2023																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	5,761	479	5,531	621	0	3,609	842	0	3,698	4,527	71,192	10,588	28	40	0	731	4,566	103,081	107,647
F	Capital	6,137	304	5,436	886	0	3,349	1,093	0	2,790	3,775	72,904	8,716	29	271	20	1,937	4,540	103,107	107,647
G	Hudson Valley (Dutchess)	4,171	0	4,080	12	0	4,413	17	0	149	189	91,684	2,285	0	0	0	647	4,592	103,055	107,647
G	Hudson Valley (Rockland)	2,930	0	2,834	12	0	4,415	17	0	152	192	94,439	2,219	0	0	0	437	4,592	103,055	107,647
J	NYC	2,377	0	2,302	12	0	4,407	17	0	162	210	95,601	2,084	0	0	0	475	4,596	103,051	107,647
K	Long Island	4,441	117	3,987	453	0	3,893	546	0	1,879	2,603	77,274	9,442	15	67	10	2,920	4,597	103,050	107,647

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 2-Hour, 5-Minute RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$7.93	\$0.00	-\$3.74	-\$0.01	\$0.00	\$0.35	\$0.00	\$1.49	\$0.85	\$31.65	\$0.65	\$0.00	\$0.00	\$0.00	\$39.18	\$41.66
F	Capital	\$7.53	\$0.02	-\$4.24	-\$0.01	\$0.00	\$0.49	\$0.00	\$6.74	-\$0.86	\$33.85	\$0.79	\$0.00	\$0.00	\$0.00	\$44.31	\$46.79
G	Hudson Valley (Dutchess)	\$11.08	\$0.00	-\$5.67	\$0.00	\$0.00	\$0.15	\$0.01	\$0.49	\$0.12	\$35.66	\$0.16	\$0.01	\$0.23	\$0.00	\$42.21	\$44.69
G	Hudson Valley (Rockland)	\$8.69	\$0.00	-\$4.62	\$0.00	\$0.00	\$0.37	\$0.00	\$0.49	\$0.11	\$36.42	\$0.08	\$0.01	\$0.23	\$0.00	\$41.77	\$44.25
J	NYC	\$8.01	\$0.00	-\$4.19	\$0.00	\$0.00	\$0.33	\$0.00	\$1.78	-\$0.24	\$37.30	-\$0.73	\$0.00	\$0.00	\$0.00	\$42.26	\$44.74
K	Long Island	\$30.30	-\$2.78	-\$12.09	-\$0.02	\$0.00	-\$1.22	-\$0.01	\$25.61	-\$4.73	\$29.50	\$0.92	\$0.10	\$1.35	\$0.00	\$66.92	\$69.40

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$28.05	-\$0.36	-\$12.97	\$0.04	\$0.00	-\$1.23	-\$0.03	\$27.19	-\$11.32	\$32.92	\$2.20	\$0.19	-\$0.51	\$0.00	\$64.17	\$66.65
F	Capital	\$37.44	-\$2.38	-\$16.64	\$0.07	\$0.00	-\$1.40	-\$0.04	\$42.52	-\$18.60	\$44.84	\$0.83	\$1.50	-\$3.20	\$0.00	\$84.95	\$87.43
G	Hudson Valley (Dutchess)	\$38.56	-\$0.10	-\$19.74	\$0.00	\$0.00	-\$2.29	\$0.00	\$6.02	-\$1.40	\$53.86	-\$0.20	\$0.00	\$0.01	\$0.00	\$74.71	\$77.19
G	Hudson Valley (Rockland)	\$35.62	-\$0.11	-\$19.01	\$0.00	\$0.00	-\$2.14	\$0.00	\$6.10	-\$1.49	\$54.37	-\$0.08	\$0.00	\$0.01	\$0.00	\$73.27	\$75.75
J	NYC	\$33.23	-\$0.21	-\$17.82	\$0.00	\$0.00	-\$1.86	\$0.00	\$7.57	-\$1.89	\$60.07	\$0.38	\$0.06	-\$0.01	\$0.00	\$79.51	\$81.99
K	Long Island	\$62.72	-\$1.58	-\$25.66	-\$0.40	\$0.00	-\$3.25	-\$0.09	\$56.81	-\$22.28	\$41.31	\$0.40	\$0.59	-\$1.67	\$0.00	\$106.90	\$109.38

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$18.29	-\$1.01	-\$5.19	-\$0.09	\$0.00	\$0.38	-\$0.04	\$16.36	-\$4.43	\$32.98	\$0.92	\$0.14	\$0.04	\$0.00	\$58.34	\$60.82
F	Capital	\$36.36	-\$1.28	-\$12.52	-\$0.11	\$0.00	-\$0.76	\$0.00	\$35.10	-\$16.13	\$39.44	-\$0.17	\$0.17	-\$0.44	\$0.00	\$79.65	\$82.13
G	Hudson Valley (Dutchess)	\$22.79	\$0.00	-\$10.83	-\$0.04	\$0.00	-\$0.39	\$0.00	\$4.61	-\$1.93	\$55.76	-\$1.03	\$0.00	\$0.00	\$0.00	\$68.94	\$71.42
G	Hudson Valley (Rockland)	\$18.88	\$0.00	-\$9.75	-\$0.04	\$0.00	-\$0.15	\$0.00	\$4.64	-\$1.94	\$57.32	-\$1.03	\$0.00	\$0.00	\$0.00	\$67.92	\$70.40
J	NYC	\$17.10	\$0.00	-\$8.77	-\$0.04	\$0.00	\$0.07	-\$0.01	\$6.36	-\$1.99	\$61.79	-\$0.50	\$0.00	\$0.00	\$0.00	\$74.02	\$76.50
K	Long Island	\$35.37	-\$0.98	-\$13.85	-\$0.08	\$0.00	-\$1.01	-\$0.05	\$41.28	-\$16.83	\$45.98	\$0.71	\$0.06	-\$0.33	\$0.00	\$90.26	\$92.74

Notes:

[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.

[2] For each hour, a unit is committed via day-ahead then dispatched in real time.

[3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

[4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Intervals
Battery Energy Storage System (BESS) 4-Hour, 5-Minute RTM Model

Real-Time Dispatch Price Intervals: September 2020 - August 2021																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	2,716	6	2,673	22	0	4,372	45	0	652	770	93,716	556	2	0	0	1,589	3,628	103,491	107,119
F	Capital	1,712	3	1,702	8	0	4,446	0	0	1,029	1,160	94,858	915	0	0	0	1,286	3,557	103,562	107,119
G	Hudson Valley (Dutchess)	3,344	0	3,330	1	0	4,438	0	0	312	393	92,757	779	3	3	0	1,759	3,612	103,507	107,119
G	Hudson Valley (Rockland)	2,313	0	2,290	0	0	4,425	0	0	295	377	95,365	620	3	3	0	1,428	3,612	103,507	107,119
J	NYC	2,264	26	2,259	0	0	4,421	0	0	435	513	95,073	615	0	0	0	1,513	3,636	103,483	107,119
K	Long Island	7,442	166	7,241	302	0	4,192	237	0	2,427	2,859	75,111	1,857	35	177	32	5,041	3,619	103,500	107,119

Real-Time Dispatch Price Intervals: September 2021 - August 2022																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	7,282	210	6,811	675	0	4,082	385	0	4,612	5,840	70,110	4,454	60	180	0	3,034	4,568	103,167	107,735
F	Capital	6,194	194	5,205	1,082	0	3,931	525	0	3,727	4,896	74,521	3,950	123	550	20	2,817	4,577	103,158	107,735
G	Hudson Valley (Dutchess)	8,581	177	8,191	408	0	4,258	190	0	1,523	1,916	75,085	2,974	33	174	1	4,224	4,626	103,109	107,735
G	Hudson Valley (Rockland)	6,556	121	6,210	312	0	4,326	138	0	1,468	1,849	80,189	2,750	25	123	2	3,666	4,626	103,109	107,735
J	NYC	5,805	94	5,545	245	0	4,319	134	0	1,614	2,033	82,573	2,462	14	22	1	2,874	4,622	103,113	107,735
K	Long Island	11,701	407	10,899	1,044	0	3,988	523	0	3,750	4,673	58,037	3,886	85	610	55	8,077	4,617	103,118	107,735

Real-Time Dispatch Price Intervals: September 2022 - August 2023																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	12,688	686	12,222	961	0	4,514	631	0	4,560	5,655	58,987	4,638	60	357	5	1,683	4,566	103,081	107,647
F	Capital	13,827	281	12,403	1,503	0	4,346	688	0	2,969	4,575	60,295	3,844	109	493	3	2,311	4,540	103,107	107,647
G	Hudson Valley (Dutchess)	6,660	19	6,215	318	0	4,271	149	0	1,059	1,430	83,854	1,959	11	135	20	1,547	4,592	103,055	107,647
G	Hudson Valley (Rockland)	3,955	9	3,627	240	0	4,296	131	0	954	1,274	90,397	1,379	8	112	18	1,247	4,592	103,055	107,647
J	NYC	3,024	4	2,603	325	0	4,269	152	0	969	1,424	93,363	792	5	60	5	652	4,596	103,051	107,647
K	Long Island	7,604	110	6,727	834	0	4,069	418	0	3,089	4,187	74,537	2,410	24	257	33	3,348	4,597	103,050	107,647

- Notes:**
- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 4-Hour, 5-Minute RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$13.13	\$0.01	-\$6.02	-\$0.01	\$0.00	-\$0.12	\$0.00	\$2.18	\$1.07	\$32.11	\$0.29	\$0.00	\$0.00	\$0.00	\$42.64	\$45.12
F	Capital	\$10.55	\$0.02	-\$5.29	\$0.00	\$0.00	\$0.26	\$0.00	\$9.33	-\$1.76	\$34.99	\$0.14	\$0.00	\$0.00	\$0.00	\$48.25	\$50.73
G	Hudson Valley (Dutchess)	\$17.25	\$0.00	-\$8.17	\$0.00	\$0.00	-\$0.43	\$0.00	\$2.46	-\$0.36	\$34.29	\$0.29	\$0.00	\$0.02	\$0.00	\$45.36	\$47.84
G	Hudson Valley (Rockland)	\$13.17	\$0.00	-\$6.40	\$0.00	\$0.00	-\$0.03	\$0.00	\$2.48	\$0.50	\$35.48	\$0.25	\$0.00	\$0.02	\$0.00	\$45.48	\$47.96
J	NYC	\$13.87	\$0.03	-\$6.82	\$0.00	\$0.00	-\$0.19	\$0.00	\$4.70	-\$0.11	\$36.01	\$0.17	\$0.00	\$0.00	\$0.00	\$47.65	\$50.13
K	Long Island	\$56.38	-\$1.09	-\$21.06	-\$0.13	\$0.00	-\$2.99	-\$0.08	\$27.97	-\$8.44	\$27.75	\$0.24	\$0.40	\$0.93	\$0.00	\$79.87	\$82.35

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$56.77	-\$0.32	-\$25.54	-\$0.05	\$0.00	-\$3.83	-\$0.03	\$25.85	-\$11.45	\$33.45	\$1.25	\$0.19	-\$0.26	\$0.00	\$76.03	\$78.51
F	Capital	\$71.68	-\$1.42	-\$29.81	-\$0.79	\$0.00	-\$3.91	-\$0.16	\$55.23	-\$30.60	\$41.30	\$0.22	\$1.05	-\$4.21	\$0.00	\$98.58	\$101.06
G	Hudson Valley (Dutchess)	\$77.63	-\$1.12	-\$38.08	-\$0.42	\$0.00	-\$5.94	-\$0.08	\$20.66	-\$9.30	\$42.85	\$0.28	\$0.16	-\$1.18	\$0.00	\$85.46	\$87.94
G	Hudson Valley (Rockland)	\$64.22	-\$0.86	-\$31.64	-\$0.34	\$0.00	-\$4.74	-\$0.07	\$20.29	-\$9.31	\$45.96	-\$0.26	\$0.14	-\$0.97	\$0.00	\$82.42	\$84.90
J	NYC	\$60.75	-\$0.15	-\$30.25	-\$0.24	\$0.00	-\$4.44	-\$0.05	\$23.50	-\$11.73	\$51.33	-\$0.30	\$0.13	-\$0.16	\$0.00	\$88.39	\$90.87
K	Long Island	\$133.05	-\$0.62	-\$55.47	-\$0.38	\$0.00	-\$9.10	-\$0.38	\$61.68	-\$28.72	\$35.31	-\$0.97	\$0.59	-\$4.08	\$0.00	\$130.90	\$133.38

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$40.86	-\$0.50	-\$10.43	\$0.05	\$0.00	-\$0.58	-\$0.09	\$17.43	-\$6.02	\$28.88	\$1.69	\$0.09	-\$0.64	\$0.00	\$70.75	\$73.23
F	Capital	\$81.14	-\$0.76	-\$27.29	-\$0.29	\$0.00	-\$3.53	-\$0.06	\$36.29	-\$20.64	\$33.12	\$0.79	\$0.88	-\$1.78	\$0.00	\$97.87	\$100.35
G	Hudson Valley (Dutchess)	\$41.86	\$0.03	-\$17.74	-\$0.13	\$0.00	-\$1.90	-\$0.02	\$14.40	-\$8.10	\$48.93	\$1.49	\$0.02	-\$0.61	\$0.00	\$78.24	\$80.72
G	Hudson Valley (Rockland)	\$30.42	\$0.03	-\$13.26	-\$0.09	\$0.00	-\$0.86	-\$0.01	\$13.93	-\$7.73	\$53.49	\$1.11	\$0.03	-\$0.57	\$0.00	\$76.47	\$78.95
J	NYC	\$26.01	\$0.01	-\$10.85	-\$0.12	\$0.00	-\$0.47	\$0.00	\$15.72	-\$8.82	\$59.15	\$0.50	\$0.02	-\$0.31	\$0.00	\$80.84	\$83.32
K	Long Island	\$64.93	-\$0.31	-\$25.22	-\$0.21	\$0.00	-\$3.59	\$0.03	\$51.16	-\$23.65	\$44.43	\$0.77	\$0.15	-\$1.28	\$0.02	\$107.24	\$109.72

Notes:

[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.

[2] For each hour, a unit is committed via day-ahead then dispatched in real time.

[3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

[4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Intervals
Battery Energy Storage System (BESS) 6-Hour, 5-Minute RTM Model

Real-Time Dispatch Price Intervals: September 2020 - August 2021																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	3,283	10	3,268	4	0	4,568	33	0	938	1,049	92,089	404	14	14	0	1,445	3,628	103,491	107,119
F	Capital	2,106	11	2,106	1	0	4,532	0	0	1,334	1,482	93,605	750	3	0	0	1,189	3,557	103,562	107,119
G	Hudson Valley (Dutchess)	3,939	3	3,890	0	0	4,693	0	0	617	728	90,954	907	1	2	0	1,385	3,612	103,507	107,119
G	Hudson Valley (Rockland)	2,711	2	2,717	0	0	4,583	0	0	392	481	94,433	669	2	3	0	1,126	3,612	103,507	107,119
J	NYC	2,630	21	2,608	9	0	4,522	12	0	631	757	94,282	539	1	11	0	1,096	3,636	103,483	107,119
K	Long Island	9,986	206	9,713	408	0	4,703	292	0	4,769	5,534	64,432	1,910	95	416	0	4,655	3,619	103,500	107,119

Real-Time Dispatch Price Intervals: September 2021 - August 2022																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	9,207	307	9,018	398	0	4,682	327	0	6,217	7,236	63,418	3,368	106	328	18	3,105	4,568	103,167	107,735
F	Capital	7,814	216	7,230	678	0	4,391	392	0	4,775	5,824	69,634	3,284	152	446	30	2,869	4,577	103,158	107,735
G	Hudson Valley (Dutchess)	11,289	209	11,008	324	0	5,026	210	0	2,617	3,098	65,890	3,740	67	165	6	4,086	4,626	103,109	107,735
G	Hudson Valley (Rockland)	8,345	170	8,059	264	0	4,985	143	0	1,887	2,257	75,452	2,459	50	118	9	3,537	4,626	103,109	107,735
J	NYC	7,447	133	6,924	518	0	4,591	244	0	1,982	2,649	78,291	2,175	23	163	20	2,575	4,622	103,113	107,735
K	Long Island	15,736	297	14,797	990	0	5,157	594	0	6,429	8,003	45,201	3,705	168	669	34	5,955	4,617	103,118	107,735

Real-Time Dispatch Price Intervals: September 2022 - August 2023																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	17,896	443	17,705	414	0	5,803	501	0	4,036	4,768	50,825	3,072	78	276	2	1,828	4,566	103,081	107,647
F	Capital	19,255	136	18,549	542	0	6,090	376	0	3,059	3,972	50,707	2,839	98	222	12	1,790	4,540	103,107	107,647
G	Hudson Valley (Dutchess)	7,269	9	6,936	167	0	4,604	203	0	2,250	2,728	80,803	1,241	12	104	0	1,321	4,592	103,055	107,647
G	Hudson Valley (Rockland)	4,511	4	4,265	97	0	4,549	112	0	1,403	1,683	88,704	1,028	19	83	0	1,189	4,592	103,055	107,647
J	NYC	3,766	3	3,501	124	0	4,502	106	0	1,413	1,746	90,585	837	16	45	0	1,003	4,596	103,051	107,647
K	Long Island	9,765	125	8,966	694	38	4,568	473	12	6,055	7,389	64,258	1,783	101	563	21	2,836	4,597	103,050	107,647

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 6-Hour, 5-Minute RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$15.97	\$0.00	-\$7.57	\$0.00	\$0.00	-\$0.41	\$0.00	\$3.10	\$0.17	\$31.81	\$0.01	\$0.00	\$0.00	\$0.00	\$43.09	\$45.57
F	Capital	\$12.39	\$0.00	-\$6.38	\$0.00	\$0.00	\$0.07	\$0.00	\$10.98	-\$2.16	\$34.61	\$0.21	\$0.01	\$0.00	\$0.00	\$49.74	\$52.22
G	Hudson Valley (Dutchess)	\$20.50	\$0.00	-\$9.88	\$0.00	\$0.00	-\$0.70	\$0.00	\$3.85	\$0.79	\$33.75	\$0.37	\$0.00	\$0.00	\$0.00	\$48.69	\$51.17
G	Hudson Valley (Rockland)	\$15.49	\$0.00	-\$7.70	\$0.00	\$0.00	-\$0.29	\$0.00	\$3.14	\$1.08	\$35.22	\$0.30	\$0.00	\$0.00	\$0.00	\$47.24	\$49.72
J	NYC	\$16.18	-\$0.05	-\$7.99	\$0.00	\$0.00	-\$0.36	\$0.01	\$6.15	-\$0.22	\$35.66	\$0.19	\$0.01	-\$0.05	\$0.00	\$49.53	\$52.01
K	Long Island	\$74.92	-\$0.81	-\$28.73	-\$0.28	\$0.00	-\$3.84	-\$0.26	\$39.41	-\$15.40	\$22.85	\$0.40	\$0.81	-\$0.06	\$0.00	\$89.00	\$91.48

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$70.14	-\$0.07	-\$32.46	-\$0.12	\$0.00	-\$4.38	-\$0.07	\$38.00	-\$17.08	\$28.89	\$1.33	\$0.27	-\$1.12	\$0.00	\$83.34	\$85.82
F	Capital	\$93.15	-\$1.23	-\$44.05	-\$0.64	\$0.00	-\$5.55	-\$0.06	\$61.75	-\$34.55	\$38.40	-\$0.34	\$1.18	-\$3.23	\$0.00	\$104.82	\$107.30
G	Hudson Valley (Dutchess)	\$103.14	-\$1.35	-\$52.92	-\$0.30	\$0.00	-\$8.13	-\$0.14	\$28.57	-\$15.22	\$36.55	\$1.02	\$0.37	-\$0.90	\$0.00	\$90.69	\$93.17
G	Hudson Valley (Rockland)	\$83.72	-\$1.09	-\$43.15	-\$0.28	\$0.00	-\$6.35	-\$0.12	\$24.81	-\$12.77	\$42.50	\$0.20	\$0.35	-\$0.74	\$0.00	\$87.09	\$89.57
J	NYC	\$79.53	-\$0.03	-\$38.51	-\$0.41	\$0.00	-\$5.40	-\$0.12	\$26.44	-\$15.38	\$47.29	\$0.06	\$0.15	-\$1.28	\$0.00	\$92.35	\$94.83
K	Long Island	\$177.91	-\$0.03	-\$77.97	-\$0.51	\$0.00	-\$12.01	-\$0.18	\$82.73	-\$48.15	\$25.68	-\$0.38	\$1.10	-\$3.82	\$0.00	\$144.37	\$146.85

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$55.51	-\$0.47	-\$15.41	\$0.05	\$0.00	-\$0.86	\$0.06	\$18.33	-\$6.54	\$23.74	\$0.13	\$0.06	-\$0.45	\$0.00	\$74.15	\$76.63
F	Capital	\$106.89	-\$0.10	-\$39.48	-\$0.01	\$0.00	-\$5.04	-\$0.19	\$36.18	-\$20.65	\$26.59	\$0.89	\$0.64	-\$0.93	\$0.00	\$104.79	\$107.27
G	Hudson Valley (Dutchess)	\$49.33	\$0.01	-\$22.16	\$0.00	\$0.00	-\$2.21	-\$0.05	\$22.72	-\$12.27	\$45.79	\$0.75	\$0.04	-\$0.43	\$0.00	\$81.53	\$84.01
G	Hudson Valley (Rockland)	\$36.57	\$0.01	-\$17.11	\$0.01	\$0.00	-\$1.32	-\$0.05	\$18.80	-\$10.02	\$51.25	\$0.64	\$0.08	-\$0.36	\$0.00	\$78.49	\$80.97
J	NYC	\$33.01	\$0.01	-\$15.66	\$0.00	\$0.00	-\$1.17	-\$0.03	\$20.17	-\$9.74	\$55.87	\$0.49	\$0.05	-\$0.21	\$0.00	\$82.79	\$85.27
K	Long Island	\$81.91	-\$0.51	-\$34.38	\$0.04	\$0.00	-\$4.28	-\$0.09	\$74.22	-\$39.07	\$35.72	\$0.53	\$1.00	-\$2.91	\$0.05	\$112.23	\$114.71

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.
- [4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Intervals
Battery Energy Storage System (BESS) 8-Hour, 5-Minute RTM Model

Real-Time Dispatch Price Intervals: September 2020 - August 2021																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	3,659	9	3,692	22	0	4,584	14	0	1,359	1,547	89,861	695	36	25	0	1,616	3,628	103,491	107,119
F	Capital	3,197	19	3,418	0	0	4,514	0	0	1,408	1,561	89,935	1,584	2	1	0	1,480	3,557	103,562	107,119
G	Hudson Valley (Dutchess)	4,656	8	4,708	0	0	4,682	0	0	787	905	89,005	1,094	1	1	0	1,272	3,612	103,507	107,119
G	Hudson Valley (Rockland)	3,666	7	3,827	0	0	4,583	0	0	632	729	91,084	980	1	3	0	1,607	3,612	103,507	107,119
J	NYC	3,705	20	3,895	0	0	4,565	0	0	628	737	90,615	1,105	1	1	0	1,847	3,636	103,483	107,119
K	Long Island	11,604	214	11,547	224	0	4,867	169	0	4,487	5,037	62,711	1,719	78	287	2	4,173	3,619	103,500	107,119

Real-Time Dispatch Price Intervals: September 2021 - August 2022																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	9,327	263	9,302	188	0	4,759	197	0	8,079	9,111	60,511	2,349	143	397	4	3,105	4,568	103,167	107,735
F	Capital	8,502	205	8,285	320	0	4,570	246	0	5,781	6,643	67,189	2,657	157	335	20	2,825	4,577	103,158	107,735
G	Hudson Valley (Dutchess)	12,376	205	12,048	346	0	4,976	227	0	3,325	3,925	64,100	2,450	52	157	3	3,545	4,626	103,109	107,735
G	Hudson Valley (Rockland)	9,325	178	8,996	319	0	4,773	240	0	2,629	3,184	72,966	1,823	69	184	0	3,049	4,626	103,109	107,735
J	NYC	7,953	146	7,696	236	0	4,654	179	0	2,742	3,201	76,415	1,745	29	141	7	2,591	4,622	103,113	107,735
K	Long Island	17,957	254	17,427	486	0	5,229	597	0	6,479	7,705	42,917	2,952	153	573	53	4,953	4,617	103,118	107,735

Real-Time Dispatch Price Intervals: September 2022 - August 2023																				
Day-Ahead Commitment		Discharge		Charge			Extra Charge			Reserve				None				Total CAM	Total Non-CAM	Total
Real-Time Dispatch		Discharge	None	Charge	Reserve	None	Extra Charge	Reserve	None	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	20,963	276	20,893	126	0	6,105	188	0	4,225	4,754	45,553	2,020	85	221	1	2,237	4,566	103,081	107,647
F	Capital	22,662	123	22,312	179	0	6,330	189	0	3,317	3,901	43,697	2,871	98	156	0	1,812	4,540	103,107	107,647
G	Hudson Valley (Dutchess)	8,115	9	7,895	58	0	4,800	106	0	2,715	3,093	77,509	1,582	16	104	0	1,645	4,592	103,055	107,647
G	Hudson Valley (Rockland)	5,183	8	5,037	52	0	4,687	47	0	1,791	2,044	85,957	1,244	11	55	0	1,531	4,592	103,055	107,647
J	NYC	3,963	4	3,820	28	0	4,605	23	0	1,990	2,238	88,702	851	8	52	0	1,363	4,596	103,051	107,647
K	Long Island	10,926	132	10,611	222	0	4,926	198	0	5,781	6,549	63,013	1,835	69	402	2	2,981	4,597	103,050	107,647

- Notes:**
- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 8-Hour, 5-Minute RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$17.00	\$0.01	-\$8.63	\$0.00	\$0.00	-\$0.57	\$0.00	\$4.59	-\$0.93	\$31.02	\$0.09	\$0.04	-\$0.02	\$0.00	\$42.59	\$45.07
F	Capital	\$15.88	\$0.00	-\$9.93	\$0.00	\$0.00	-\$0.49	\$0.00	\$11.72	-\$3.18	\$33.27	\$0.35	\$0.01	\$0.00	\$0.00	\$47.63	\$50.11
G	Hudson Valley (Dutchess)	\$23.08	\$0.00	-\$11.85	\$0.00	\$0.00	-\$1.12	\$0.00	\$4.73	\$0.43	\$33.17	\$0.31	\$0.00	\$0.00	\$0.00	\$48.74	\$51.22
G	Hudson Valley (Rockland)	\$17.80	\$0.01	-\$9.92	\$0.00	\$0.00	-\$0.68	\$0.00	\$4.48	\$0.52	\$34.31	\$0.22	\$0.00	\$0.00	\$0.00	\$46.73	\$49.21
J	NYC	\$19.76	\$0.00	-\$10.98	\$0.00	\$0.00	-\$0.97	\$0.00	\$5.83	-\$0.11	\$34.35	\$0.28	\$0.00	\$0.00	\$0.00	\$48.17	\$50.65
K	Long Island	\$86.58	-\$0.48	-\$35.27	-\$0.14	\$0.00	-\$5.58	-\$0.10	\$39.22	-\$14.56	\$22.20	\$0.42	\$0.61	\$0.25	\$0.00	\$93.14	\$95.62

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$71.24	\$0.14	-\$33.66	-\$0.09	\$0.00	-\$5.15	-\$0.03	\$49.96	-\$23.75	\$27.41	\$0.98	\$0.46	-\$1.49	\$0.00	\$86.01	\$88.49
F	Capital	\$101.53	-\$0.83	-\$51.27	-\$0.26	\$0.00	-\$7.58	-\$0.11	\$68.89	-\$38.20	\$36.63	-\$0.55	\$1.22	-\$2.07	\$0.00	\$107.40	\$109.88
G	Hudson Valley (Dutchess)	\$113.46	-\$1.02	-\$59.15	-\$0.23	\$0.00	-\$9.57	-\$0.13	\$33.48	-\$18.83	\$36.03	\$0.55	\$0.31	-\$0.77	\$0.00	\$94.15	\$96.63
G	Hudson Valley (Rockland)	\$92.73	-\$0.80	-\$48.45	-\$0.27	\$0.00	-\$7.23	-\$0.12	\$31.29	-\$17.66	\$41.08	\$0.01	\$0.42	-\$1.02	\$0.00	\$89.98	\$92.46
J	NYC	\$85.46	-\$0.30	-\$43.79	-\$0.09	\$0.00	-\$6.41	-\$0.02	\$34.90	-\$18.90	\$44.99	-\$0.07	\$0.17	-\$1.11	\$0.00	\$94.85	\$97.33
K	Long Island	\$200.37	\$0.09	-\$93.44	\$0.34	\$0.00	-\$15.01	-\$0.10	\$82.74	-\$47.15	\$24.17	-\$0.62	\$0.91	-\$3.26	\$0.00	\$149.04	\$151.52

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge		Charge		Extra Charge			Reserve				None			Total	Total with VSS Adder
Real-Time Dispatch		Discharge	None	Charge	Reserve	Charge	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$62.27	-\$0.28	-\$17.92	\$0.01	\$0.00	-\$1.96	\$0.05	\$20.93	-\$7.56	\$21.10	\$0.10	\$0.13	-\$0.33	\$0.00	\$76.55	\$79.03
F	Capital	\$119.32	-\$0.33	-\$46.54	-\$0.03	\$0.00	-\$6.84	-\$0.09	\$37.47	-\$22.18	\$23.12	\$0.85	\$0.58	-\$0.76	\$0.00	\$104.57	\$107.05
G	Hudson Valley (Dutchess)	\$55.07	\$0.01	-\$26.40	-\$0.01	\$0.00	-\$3.15	-\$0.01	\$25.57	-\$13.10	\$43.98	\$0.71	\$0.04	-\$0.41	\$0.00	\$82.30	\$84.78
G	Hudson Valley (Rockland)	\$40.61	\$0.01	-\$20.25	-\$0.02	\$0.00	-\$2.03	-\$0.01	\$22.16	-\$11.43	\$49.65	\$0.48	\$0.02	-\$0.23	\$0.00	\$78.96	\$81.44
J	NYC	\$35.55	\$0.00	-\$17.61	-\$0.01	\$0.00	-\$1.50	-\$0.01	\$25.41	-\$11.80	\$53.91	\$0.39	\$0.02	-\$0.25	\$0.00	\$84.10	\$86.58
K	Long Island	\$90.25	-\$0.03	-\$41.60	\$0.25	\$0.00	-\$5.93	-\$0.11	\$71.48	-\$35.22	\$35.15	\$0.66	\$0.55	-\$2.08	\$0.00	\$113.37	\$115.85

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using RTD interval prices.
- [4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Hours
Battery Energy Storage System (BESS) 2-Hour, Hourly RTM Model

Run Hours: September 2020 - August 2021																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	156	157	0	0	346	19	0	23	23	19	7,954	1	0	0	0	0	62	8,760
F Capital	111	112	2	7	315	41	0	72	67	48	7,936	3	0	0	1	0	45	8,760
G Hudson Valley (Dutchess)	211	212	2	3	350	10	0	25	24	16	7,832	0	0	0	0	0	75	8,760
G Hudson Valley (Rockland)	144	145	2	2	352	9	0	24	24	14	7,972	0	0	0	0	0	72	8,760
J NYC	121	122	2	1	349	13	0	27	28	17	8,065	0	0	0	0	0	15	8,760
K Long Island	369	369	2	0	331	32	0	62	62	35	7,189	3	0	2	0	0	304	8,760

Run Hours: September 2021 - August 2022																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	336	336	3	3	330	28	1	54	52	34	7,425	7	1	3	1	0	146	8,760
F Capital	303	302	3	6	292	63	1	140	137	72	7,229	11	0	0	2	0	199	8,760
G Hudson Valley (Dutchess)	365	364	3	1	340	21	0	43	45	24	7,364	3	1	1	1	0	184	8,760
G Hudson Valley (Rockland)	324	324	1	1	339	24	0	44	44	25	7,475	3	1	1	1	0	153	8,760
J NYC	291	290	2	2	336	25	0	52	52	29	7,605	7	0	0	0	0	69	8,760
K Long Island	464	464	1	4	319	40	1	67	64	46	6,624	16	1	1	0	0	648	8,760

Run Hours: September 2022 - August 2023																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	507	506	1	1	345	19	0	40	40	23	7,215	0	0	0	0	0	63	8,760
F Capital	522	522	3	0	327	34	1	57	60	39	7,003	4	0	0	0	0	188	8,760
G Hudson Valley (Dutchess)	339	339	4	0	348	13	0	21	25	18	7,596	2	0	0	0	0	55	8,760
G Hudson Valley (Rockland)	237	236	4	0	350	11	0	18	22	16	7,830	1	0	0	0	0	35	8,760
J NYC	192	192	2	1	350	12	0	23	24	16	7,906	1	0	0	0	0	41	8,760
K Long Island	368	368	2	1	322	40	0	65	66	41	7,223	15	0	0	1	0	248	8,760

Notes:
[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect the period September 1, 2021 through August 31, 2024.
[2] For each hour, a unit is committed via day-ahead then dispatched in real time.
[3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 2-Hour, Hourly RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$7.95	-\$3.76	\$0.00	\$0.00	\$0.33	\$0.07	\$0.95	\$0.29	\$0.31	\$33.38	\$0.00	\$0.00	\$0.00	\$0.00	\$39.52	\$42.00
F	Capital	\$7.60	-\$4.27	\$0.24	-\$0.36	\$0.38	\$0.15	\$6.26	-\$2.28	\$1.37	\$35.54	\$0.00	\$0.00	-\$0.01	\$0.00	\$44.62	\$47.10
G	Hudson Valley (Dutchess)	\$11.08	-\$5.67	\$0.20	-\$0.03	\$0.12	\$0.05	\$1.72	-\$1.01	\$2.63	\$35.56	\$0.00	\$0.00	\$0.00	\$0.00	\$44.66	\$47.14
G	Hudson Valley (Rockland)	\$8.69	-\$4.62	\$0.20	-\$0.04	\$0.33	\$0.05	\$1.70	-\$0.99	\$2.63	\$36.28	\$0.00	\$0.00	\$0.00	\$0.00	\$44.21	\$46.69
J	NYC	\$8.01	-\$4.19	\$0.22	-\$0.02	\$0.31	\$0.04	\$2.08	-\$1.22	\$2.35	\$37.58	\$0.00	\$0.00	\$0.00	\$0.00	\$45.16	\$47.64
K	Long Island	\$32.32	-\$12.27	\$0.18	\$0.00	-\$0.85	\$0.11	\$4.57	-\$0.09	\$3.40	\$33.51	\$0.00	-\$0.12	\$0.00	\$0.00	\$60.75	\$63.23

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$30.75	-\$14.61	\$0.40	-\$0.30	-\$1.39	\$0.18	\$5.74	-\$2.33	-\$0.39	\$44.74	\$0.09	-\$0.19	-\$0.04	\$0.00	\$62.65	\$65.13
F	Capital	\$42.26	-\$21.31	\$0.44	-\$0.61	-\$1.97	\$0.38	\$24.97	-\$14.24	-\$1.27	\$52.49	\$0.00	\$0.00	-\$0.12	\$0.00	\$81.01	\$83.49
G	Hudson Valley (Dutchess)	\$38.89	-\$19.67	\$0.26	-\$0.16	-\$2.30	\$0.18	\$6.37	-\$3.59	-\$0.13	\$55.74	\$0.12	-\$0.02	-\$0.04	\$0.00	\$75.66	\$78.14
G	Hudson Valley (Rockland)	\$35.94	-\$18.94	\$0.13	-\$0.16	-\$2.16	\$0.19	\$6.95	-\$3.86	-\$0.17	\$56.46	\$0.12	-\$0.02	-\$0.04	\$0.00	\$74.43	\$76.91
J	NYC	\$33.69	-\$17.82	\$0.27	-\$0.10	-\$2.00	\$0.20	\$7.87	-\$4.40	-\$0.24	\$63.27	\$0.00	\$0.00	\$0.00	\$0.00	\$80.73	\$83.21
K	Long Island	\$69.35	-\$28.81	\$0.24	-\$0.27	-\$3.52	\$0.25	\$10.69	-\$5.41	-\$0.14	\$52.26	\$0.18	-\$0.10	\$0.00	\$0.00	\$94.71	\$97.19

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$19.96	-\$6.39	\$2.99	-\$0.02	\$0.62	\$0.10	\$2.33	-\$0.79	-\$0.03	\$43.18	\$0.00	\$0.00	\$0.00	\$0.00	\$61.97	\$64.45
F	Capital	\$39.07	-\$15.29	\$0.44	\$0.00	-\$0.83	\$0.22	\$10.24	-\$6.10	-\$0.34	\$50.64	\$0.00	\$0.00	\$0.00	\$0.00	\$78.05	\$80.53
G	Hudson Valley (Dutchess)	\$22.79	-\$10.94	\$0.42	\$0.00	-\$0.29	\$0.09	\$3.76	-\$2.46	\$1.28	\$57.95	\$0.00	\$0.00	\$0.00	\$0.00	\$72.61	\$75.09
G	Hudson Valley (Rockland)	\$18.88	-\$9.86	\$0.43	\$0.00	-\$0.05	\$0.08	\$3.56	-\$2.43	\$1.30	\$59.63	\$0.00	\$0.00	\$0.00	\$0.00	\$71.53	\$74.01
J	NYC	\$17.10	-\$8.88	\$0.18	\$0.00	\$0.13	\$0.10	\$4.91	-\$3.26	\$1.63	\$64.17	\$0.00	\$0.00	\$0.00	\$0.00	\$76.08	\$78.56
K	Long Island	\$36.49	-\$15.93	\$0.30	-\$0.05	-\$1.18	\$0.25	\$11.01	-\$4.60	\$0.68	\$56.62	\$0.00	\$0.00	-\$0.06	\$0.00	\$83.54	\$86.02

Notes:

[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.

[2] For each hour, a unit is committed via day-ahead then dispatched in real time.

[3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.

[4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Hours
Battery Energy Storage System (BESS) 4-Hour, Hourly RTM Model

Run Hours: September 2020 - August 2021																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	221	223	1	0	339	25	0	37	38	26	7,720	0	1	1	0	0	128	8,760
F	Capital	139	141	2	8	305	50	0	142	135	59	7,673	0	0	1	1	3	101	8,760
G	Hudson Valley (Dutchess)	272	274	1	4	340	20	0	50	47	24	7,583	0	0	0	1	0	144	8,760
G	Hudson Valley (Rockland)	187	189	1	2	341	21	0	50	49	23	7,779	0	0	0	1	0	117	8,760
J	NYC	186	186	1	3	336	25	0	54	51	28	7,768	0	0	1	0	2	119	8,760
K	Long Island	622	622	2	3	293	67	1	160	157	76	6,325	1	0	2	5	3	421	8,760

Run Hours: September 2021 - August 2022																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	611	609	4	5	307	52	0	142	139	70	6,555	1	1	3	2	0	259	8,760
F	Capital	514	512	5	15	270	75	1	266	254	105	6,456	2	5	7	6	10	257	8,760
G	Hudson Valley (Dutchess)	708	706	7	5	319	34	0	109	113	48	6,349	1	3	1	2	4	351	8,760
G	Hudson Valley (Rockland)	538	536	6	7	315	37	0	133	134	50	6,692	1	2	0	2	3	304	8,760
J	NYC	476	476	4	7	314	40	0	128	125	51	6,901	0	1	1	0	2	234	8,760
K	Long Island	980	980	9	6	293	61	0	166	163	85	5,295	3	0	6	2	6	705	8,760

Run Hours: September 2022 - August 2023																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	1,085	1,085	2	3	386	29	0	66	66	39	5,827	0	1	0	0	0	171	8,760
F	Capital	1,142	1,142	4	7	354	47	0	107	104	62	5,550	0	3	3	5	4	226	8,760
G	Hudson Valley (Dutchess)	540	540	2	3	343	17	0	68	66	24	7,016	1	0	1	0	1	138	8,760
G	Hudson Valley (Rockland)	321	321	2	3	340	20	0	67	66	26	7,480	1	1	1	1	1	109	8,760
J	NYC	243	243	2	4	337	22	0	70	68	29	7,681	1	1	1	1	1	56	8,760
K	Long Island	625	625	6	10	294	59	0	159	153	74	6,454	1	0	2	6	2	290	8,760

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect da period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 4-Hour, Hourly RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$13.17	-\$6.05	\$0.11	\$0.00	-\$0.20	\$0.12	\$2.04	\$0.51	-\$0.03	\$32.20	-\$0.05	-\$0.01	\$0.00	\$0.00	\$41.80	\$44.28
F	Capital	\$10.58	-\$5.31	\$0.28	\$0.52	-\$0.03	\$0.23	\$13.04	-\$5.78	\$0.95	\$33.83	\$0.00	-\$0.05	-\$0.02	\$0.01	\$48.25	\$50.73
G	Hudson Valley (Dutchess)	\$17.25	-\$8.17	\$0.15	-\$0.09	-\$0.31	\$0.18	\$3.62	-\$1.29	\$1.38	\$33.88	\$0.00	\$0.00	-\$0.02	\$0.00	\$46.57	\$49.05
G	Hudson Valley (Rockland)	\$13.17	-\$6.40	\$0.15	-\$0.06	\$0.03	\$0.19	\$3.60	-\$0.71	\$1.37	\$34.92	\$0.00	\$0.00	-\$0.02	\$0.00	\$46.23	\$48.71
J	NYC	\$14.03	-\$6.78	\$0.24	-\$0.18	-\$0.25	\$0.13	\$4.29	-\$1.08	\$1.21	\$35.54	\$0.00	-\$0.05	\$0.00	\$0.01	\$47.11	\$49.59
K	Long Island	\$58.10	-\$22.12	\$0.10	-\$0.02	-\$2.92	\$0.28	\$14.42	-\$4.62	\$3.02	\$28.62	\$0.00	-\$0.09	-\$0.12	\$0.01	\$74.67	\$77.15

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$57.75	-\$26.74	\$0.40	-\$0.44	-\$3.66	\$0.25	\$16.12	-\$6.20	-\$0.80	\$37.21	\$0.04	-\$0.17	-\$0.05	\$0.00	\$73.72	\$76.20
F	Capital	\$75.10	-\$36.78	\$0.69	-\$1.45	-\$4.30	\$0.50	\$42.19	-\$22.02	-\$2.05	\$43.75	\$0.35	-\$0.40	-\$0.31	\$0.06	\$95.33	\$97.81
G	Hudson Valley (Dutchess)	\$79.62	-\$40.10	\$0.86	-\$0.36	-\$6.27	\$0.25	\$16.26	-\$8.93	-\$1.13	\$45.29	\$0.30	-\$0.05	-\$0.03	\$0.03	\$85.74	\$88.22
G	Hudson Valley (Rockland)	\$65.78	-\$33.29	\$0.75	-\$0.42	-\$5.45	\$0.25	\$19.34	-\$10.73	-\$0.93	\$47.64	\$0.17	\$0.00	-\$0.02	\$0.02	\$83.11	\$85.59
J	NYC	\$62.06	-\$31.56	\$0.45	-\$0.61	-\$4.73	\$0.28	\$18.55	-\$9.44	-\$1.27	\$53.71	\$0.13	-\$0.09	\$0.00	\$0.02	\$87.50	\$89.98
K	Long Island	\$138.60	-\$61.44	\$1.46	-\$0.40	-\$9.28	\$0.36	\$28.87	-\$14.85	-\$2.00	\$40.21	\$0.00	-\$0.52	-\$0.07	\$0.02	\$120.96	\$123.44

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$42.84	-\$12.09	\$0.90	\$0.24	-\$0.80	\$0.23	\$5.31	-\$1.81	-\$0.14	\$34.28	\$0.01	\$0.00	\$0.00	\$0.00	\$68.96	\$71.44
F	Capital	\$83.46	-\$32.76	\$0.85	-\$0.82	-\$3.24	\$0.40	\$18.30	-\$9.01	-\$1.23	\$37.27	\$0.27	-\$0.64	-\$0.09	\$0.03	\$92.79	\$95.27
G	Hudson Valley (Dutchess)	\$41.98	-\$19.31	\$0.18	-\$0.22	-\$2.34	\$0.19	\$11.02	-\$5.13	\$0.87	\$50.48	\$0.00	-\$0.09	\$0.00	\$0.01	\$77.63	\$80.11
G	Hudson Valley (Rockland)	\$30.51	-\$14.57	\$0.18	-\$0.20	-\$1.40	\$0.23	\$10.81	-\$5.22	\$0.81	\$54.40	\$0.17	-\$0.07	-\$0.04	\$0.01	\$75.60	\$78.08
J	NYC	\$26.05	-\$12.48	\$0.18	-\$0.33	-\$1.07	\$0.30	\$12.31	-\$5.88	\$1.39	\$59.49	\$0.17	-\$0.07	-\$0.08	\$0.01	\$79.98	\$82.46
K	Long Island	\$65.93	-\$29.04	\$1.29	-\$0.72	-\$3.66	\$0.31	\$28.94	-\$15.24	\$0.12	\$48.30	\$0.00	-\$0.14	-\$0.16	\$0.02	\$95.95	\$98.43

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.
- [4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Hours
Battery Energy Storage System (BESS) 6-Hour, Hourly RTM Model

Run Hours: September 2020 - August 2021																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	267	270	0	1	349	28	0	58	57	29	7,581	0	1	1	0	0	118	8,760
F	Capital	171	174	0	8	308	56	0	188	179	60	7,518	0	0	1	1	3	93	8,760
G	Hudson Valley (Dutchess)	320	320	0	2	356	28	0	85	82	33	7,421	0	0	1	1	3	108	8,760
G	Hudson Valley (Rockland)	220	224	1	1	347	28	0	69	68	30	7,679	0	0	1	1	4	87	8,760
J	NYC	215	215	2	2	348	22	0	69	68	26	7,704	0	0	1	1	4	83	8,760
K	Long Island	833	833	4	4	304	100	0	234	231	117	5,679	0	0	3	15	7	396	8,760

Run Hours: September 2021 - August 2022																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	768	765	3	7	306	94	1	250	248	113	5,915	1	6	4	8	6	265	8,760
F	Capital	648	645	11	20	260	102	0	371	355	146	5,918	0	6	13	9	11	245	8,760
G	Hudson Valley (Dutchess)	929	929	5	3	372	50	0	156	156	63	5,744	1	2	4	8	8	330	8,760
G	Hudson Valley (Rockland)	685	682	3	6	362	49	0	172	167	63	6,269	1	3	5	5	8	280	8,760
J	NYC	611	611	3	7	338	50	0	178	175	62	6,498	0	2	1	4	2	218	8,760
K	Long Island	1,297	1,297	10	6	354	100	1	268	266	135	4,470	0	2	8	21	16	509	8,760

Run Hours: September 2022 - August 2023																			
Day-Ahead Commitment		Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C	Central	1,487	1,487	3	7	452	53	0	117	111	67	4,798	0	0	2	6	2	168	8,760
F	Capital	1,566	1,566	7	9	438	71	0	153	152	96	4,526	0	5	4	6	3	158	8,760
G	Hudson Valley (Dutchess)	587	587	5	6	353	31	0	97	97	48	6,831	0	2	1	4	1	110	8,760
G	Hudson Valley (Rockland)	362	362	5	5	343	30	0	97	98	46	7,306	0	3	2	2	1	98	8,760
J	NYC	301	301	4	5	335	35	0	114	115	48	7,414	0	3	1	5	2	77	8,760
K	Long Island	801	801	4	9	324	77	0	236	229	95	5,895	0	1	3	14	2	269	8,760

Notes:
[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect period September 1, 2021 through August 31, 2024.
[2] For each hour, a unit is committed via day-ahead then dispatched in real time.
[3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 6-Hour, Hourly RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$16.02	-\$7.58	\$0.00	\$0.61	-\$0.47	\$0.13	\$3.39	-\$0.62	-\$0.13	\$31.44	-\$0.05	-\$0.01	\$0.00	\$0.00	\$42.74	\$45.22
F	Capital	\$12.45	-\$6.38	\$0.00	-\$0.31	-\$0.26	\$0.26	\$17.08	-\$7.87	\$1.11	\$32.81	\$0.00	-\$0.05	-\$0.03	\$0.01	\$48.83	\$51.31
G	Hudson Valley (Dutchess)	\$20.52	-\$9.84	\$0.00	-\$0.13	-\$0.59	\$0.21	\$6.11	-\$1.75	\$1.40	\$32.96	\$0.00	-\$0.04	-\$0.02	\$0.02	\$48.83	\$51.31
G	Hudson Valley (Rockland)	\$15.50	-\$7.70	\$0.15	-\$0.03	-\$0.21	\$0.21	\$5.08	-\$1.46	\$1.38	\$34.36	\$0.00	-\$0.05	-\$0.03	\$0.02	\$47.22	\$49.70
J	NYC	\$16.32	-\$7.98	\$0.37	-\$0.08	-\$0.57	\$0.15	\$5.66	-\$1.90	\$1.46	\$34.99	\$0.00	-\$0.05	\$0.00	\$0.02	\$48.39	\$50.87
K	Long Island	\$77.41	-\$30.44	-\$0.15	-\$0.03	-\$2.13	\$0.43	\$23.21	-\$8.19	\$1.91	\$24.91	\$0.00	-\$0.15	-\$0.26	\$0.03	\$86.53	\$89.01

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$72.18	-\$33.58	\$0.34	-\$0.49	-\$4.29	\$0.49	\$26.10	-\$11.49	-\$1.73	\$32.17	\$0.32	-\$0.22	-\$0.29	\$0.03	\$79.53	\$82.01
F	Capital	\$96.39	-\$48.16	\$1.58	-\$1.96	-\$4.97	\$0.59	\$53.30	-\$28.66	-\$3.86	\$38.29	\$0.42	-\$0.91	-\$0.48	\$0.06	\$101.63	\$104.11
G	Hudson Valley (Dutchess)	\$105.40	-\$54.42	\$0.40	-\$0.18	-\$8.20	\$0.26	\$22.29	-\$12.01	-\$1.57	\$39.70	\$0.20	-\$0.20	-\$0.38	\$0.05	\$91.33	\$93.81
G	Hudson Valley (Rockland)	\$85.63	-\$44.47	\$0.23	-\$0.56	-\$6.80	\$0.26	\$25.31	-\$13.31	-\$1.36	\$43.29	\$0.24	-\$0.25	-\$0.36	\$0.05	\$87.88	\$90.36
J	NYC	\$80.94	-\$41.62	\$0.45	-\$0.59	-\$6.41	\$0.31	\$26.07	-\$13.95	-\$1.78	\$48.34	\$0.28	-\$0.13	-\$0.24	\$0.02	\$91.69	\$94.17
K	Long Island	\$181.20	-\$83.52	\$1.58	-\$0.44	-\$11.23	\$0.52	\$42.45	-\$21.53	-\$3.77	\$33.16	\$0.09	-\$0.65	-\$1.00	\$0.10	\$136.96	\$139.44

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$57.05	-\$16.22	\$0.89	\$0.42	-\$1.12	\$0.55	\$11.84	-\$3.33	-\$0.76	\$26.65	\$0.00	-\$0.04	-\$0.12	\$0.01	\$75.82	\$78.30
F	Capital	\$107.83	-\$41.92	\$1.40	-\$0.75	-\$4.19	\$0.61	\$20.83	-\$11.01	-\$2.38	\$29.33	\$0.35	-\$0.29	-\$0.18	\$0.02	\$99.65	\$102.13
G	Hudson Valley (Dutchess)	\$49.40	-\$23.05	\$0.77	-\$0.31	-\$2.70	\$0.28	\$16.45	-\$7.88	\$0.54	\$47.14	\$0.16	-\$0.06	-\$0.09	\$0.01	\$80.65	\$83.13
G	Hudson Valley (Rockland)	\$36.61	-\$17.74	\$0.77	-\$0.37	-\$1.56	\$0.27	\$17.30	-\$8.73	\$0.33	\$50.97	\$0.33	-\$0.12	-\$0.10	\$0.01	\$77.98	\$80.46
J	NYC	\$33.04	-\$16.32	\$0.37	-\$0.44	-\$1.36	\$0.32	\$20.77	-\$10.10	\$1.33	\$54.81	\$0.33	-\$0.07	-\$0.31	\$0.01	\$82.39	\$84.87
K	Long Island	\$82.75	-\$37.92	\$1.06	-\$0.52	-\$4.70	\$0.59	\$41.20	-\$20.76	-\$0.67	\$42.03	\$0.12	-\$0.30	-\$0.42	\$0.02	\$102.48	\$104.96

Notes:
[1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
[2] For each hour, a unit is committed via day-ahead then dispatched in real time.
[3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.
[4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.

Dispatch Co-Optimization By Year: Run Hours
Battery Energy Storage System (BESS) 8-Hour, Hourly RTM Model

Run Hours: September 2020 - August 2021																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	298	304	0	1	341	36	0	72	70	39	7,463	0	1	2	2	1	130	8,760
F Capital	260	280	1	9	309	51	1	189	180	64	7,295	0	1	2	1	5	112	8,760
G Hudson Valley (Dutchess)	379	387	0	3	354	29	0	97	93	35	7,279	0	0	1	4	7	92	8,760
G Hudson Valley (Rockland)	298	315	1	1	347	29	0	93	92	30	7,423	0	0	1	3	7	120	8,760
J NYC	304	320	2	2	354	19	0	82	81	25	7,421	0	0	1	2	2	145	8,760
K Long Island	965	968	3	10	302	100	1	267	256	124	5,394	0	0	4	24	8	334	8,760

Run Hours: September 2021 - August 2022																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	773	775	5	14	273	114	1	350	339	140	5,679	0	6	8	13	5	265	8,760
F Capital	700	703	8	20	250	116	1	450	433	154	5,653	0	11	16	15	14	216	8,760
G Hudson Valley (Dutchess)	1,015	1,015	4	8	354	59	0	202	193	74	5,527	1	1	6	14	8	279	8,760
G Hudson Valley (Rockland)	762	762	4	11	339	57	0	217	203	75	6,061	0	1	8	9	9	242	8,760
J NYC	650	651	3	8	303	81	2	233	223	95	6,285	0	3	8	10	7	198	8,760
K Long Island	1,471	1,471	8	10	325	128	2	344	337	158	4,037	0	2	7	38	23	399	8,760

Run Hours: September 2022 - August 2023																		
Day-Ahead Commitment	Discharge	Charge	Extra Charge					Reserve					None					Total
Real-Time Dispatch	Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	Discharge	Charge	Extra Charge	Reserve	None	
C Central	1,722	1,723	1	7	459	46	0	150	140	59	4,245	0	1	5	8	3	191	8,760
F Capital	1,842	1,843	10	8	431	80	0	226	222	116	3,811	0	4	10	10	3	144	8,760
G Hudson Valley (Dutchess)	656	656	5	7	346	45	0	129	126	66	6,580	0	2	3	6	1	132	8,760
G Hudson Valley (Rockland)	419	421	6	7	335	41	0	120	119	57	7,104	0	2	2	6	1	120	8,760
J NYC	318	319	5	6	322	48	0	142	139	62	7,283	0	1	3	7	3	102	8,760
K Long Island	894	894	7	13	306	93	2	289	279	122	5,578	0	1	5	19	2	256	8,760

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.

Dispatch Co-Optimization By Year: Net EAS Revenues
Battery Energy Storage System (BESS) 8-Hour, Hourly RTM Model

Net EAS Revenues: September 2020 - August 2021																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$17.04	-\$8.62	\$0.00	-\$0.01	-\$0.56	\$0.16	\$4.36	-\$1.30	-\$0.25	\$30.71	\$0.01	-\$0.03	-\$0.03	\$0.00	\$41.50	\$43.98
F	Capital	\$15.96	-\$9.86	\$0.09	-\$0.47	-\$0.77	\$0.25	\$17.16	-\$8.42	\$1.12	\$31.69	\$0.09	-\$0.08	-\$0.05	\$0.02	\$46.73	\$49.21
G	Hudson Valley (Dutchess)	\$23.12	-\$11.79	\$0.00	-\$0.17	-\$0.92	\$0.21	\$7.29	-\$2.11	\$1.51	\$32.21	\$0.00	-\$0.04	-\$0.10	\$0.02	\$49.22	\$51.70
G	Hudson Valley (Rockland)	\$17.84	-\$9.85	\$0.15	-\$0.02	-\$0.58	\$0.22	\$6.96	-\$2.48	\$1.56	\$33.18	\$0.00	-\$0.05	-\$0.08	\$0.03	\$46.87	\$49.35
J	NYC	\$19.84	-\$10.91	\$0.36	-\$0.04	-\$1.13	\$0.10	\$6.98	-\$2.72	\$1.52	\$33.52	\$0.00	-\$0.05	-\$0.06	\$0.01	\$47.44	\$49.92
K	Long Island	\$88.32	-\$36.10	\$0.30	\$1.10	-\$4.44	\$0.43	\$27.81	-\$11.48	\$1.87	\$23.39	\$0.00	\$0.01	-\$0.13	\$0.02	\$91.11	\$93.59

Net EAS Revenues: September 2021 - August 2022																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$72.78	-\$34.29	\$0.92	-\$1.03	-\$4.27	\$0.61	\$37.08	-\$16.00	-\$2.60	\$30.08	\$0.29	-\$0.46	-\$0.45	\$0.02	\$82.67	\$85.15
F	Capital	\$104.54	-\$53.15	\$1.60	-\$1.88	-\$5.88	\$0.65	\$64.97	-\$35.59	-\$3.48	\$35.84	\$0.90	-\$1.06	-\$0.85	\$0.08	\$106.68	\$109.16
G	Hudson Valley (Dutchess)	\$115.50	-\$60.71	\$0.64	-\$0.42	-\$9.11	\$0.37	\$28.50	-\$14.52	-\$2.34	\$37.53	\$0.13	-\$0.32	-\$0.81	\$0.05	\$94.48	\$96.96
G	Hudson Valley (Rockland)	\$94.47	-\$50.10	\$0.64	-\$0.77	-\$7.61	\$0.34	\$30.48	-\$15.86	-\$2.07	\$41.09	\$0.13	-\$0.48	-\$0.63	\$0.06	\$89.68	\$92.16
J	NYC	\$86.87	-\$45.10	\$0.52	-\$0.63	-\$5.57	\$0.57	\$34.20	-\$17.71	-\$3.76	\$44.82	\$0.32	-\$0.67	-\$0.55	\$0.05	\$93.37	\$95.85
K	Long Island	\$202.80	-\$95.99	\$1.32	-\$0.83	-\$12.68	\$0.80	\$55.77	-\$28.37	-\$5.44	\$29.11	\$0.09	-\$0.55	-\$1.58	\$0.12	\$144.56	\$147.04

Net EAS Revenues: September 2022 - August 2023																	
Day-Ahead Commitment		Discharge	Charge	Extra Charge				Reserve				None				Total	Total with VSS Adder
Real-Time Dispatch		Discharge	Charge	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve	Discharge	Charge	Extra Charge	Reserve		
C	Central	\$63.50	-\$18.37	\$0.81	\$0.32	-\$1.89	\$0.49	\$15.72	-\$4.90	-\$0.92	\$23.13	\$0.04	-\$0.18	-\$0.12	\$0.03	\$77.67	\$80.15
F	Capital	\$120.32	-\$47.56	\$2.48	-\$0.78	-\$5.25	\$0.58	\$31.35	-\$17.32	-\$2.88	\$23.93	\$0.23	-\$0.68	-\$0.27	\$0.02	\$104.16	\$106.64
G	Hudson Valley (Dutchess)	\$55.11	-\$26.78	\$0.74	-\$0.26	-\$2.90	\$0.52	\$20.88	-\$10.21	-\$0.23	\$44.95	\$0.16	-\$0.24	-\$0.17	\$0.01	\$81.59	\$84.07
G	Hudson Valley (Rockland)	\$40.65	-\$20.59	\$0.89	-\$0.19	-\$1.70	\$0.45	\$20.21	-\$10.50	\$0.23	\$49.60	\$0.16	-\$0.17	-\$0.28	\$0.01	\$78.76	\$81.24
J	NYC	\$35.58	-\$17.89	\$0.80	-\$0.35	-\$1.29	\$0.53	\$24.26	-\$10.85	\$0.90	\$53.36	\$0.08	-\$0.25	-\$0.37	\$0.02	\$84.53	\$87.01
K	Long Island	\$91.06	-\$42.92	\$1.57	-\$0.68	-\$5.00	\$0.72	\$47.96	-\$24.39	-\$2.06	\$39.56	\$0.12	-\$0.45	-\$0.65	\$0.02	\$104.85	\$107.33

Notes:

- [1] The net EAS revenues are estimated using data for the three-year period September 1, 2020 to August 31, 2023 and the seasonal capacity availability values are based on data for the same period. The values will be updated in September 2024 to reflect data for the period September 1, 2021 through August 31, 2024.
- [2] For each hour, a unit is committed via day-ahead then dispatched in real time.
- [3] The net EAS revenues for BESS options reflect the net EAS model using hourly time-weighted/integrated real-time prices.
- [4] Assumes a preliminary \$2.48/kW-year voltage support service (VSS) revenues, based on settlement data analyzed by NYISO using the methodology from the 2021-2025 DCR. This methodology and resulting VSS revenue value for each peaking plant technology option remain under review and subject to change.