

E. BESS Net EAS Results Using 2021-2025 Hourly RTM Method

This appendix provides net EAS results for the BESS technologies using the RTM model utilizing Real-Time Dispatch prices, and the RTM model utilizing hourly time-weighted/integrated real-time prices in 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 RTM model utilizing Real-Time Dispatch prices is described in Section IV.B of the Draft Report.

The 2021-2025 DCR approach to evaluating arbitrage opportunities in the RTM is different than the approach utilized in the 2025-2029 DCR. Importantly, in the 2021-2025 DCR, the RTM model uses average hourly RTM LBMPs rather than Real-Time Dispatch prices transacting on a nominal 5-minute basis.

The 2021-2025 RTM 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 RTM LBMP for the first hour and the DAM LBMP for the second hour. This approach reflects the fact that, in real-time, a resource operator would not know a future RTM LBMP and could use the DAM LBMP as an approximation. However, once these RTM positions are entered into, the model will use RTM LBMPs 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 battery 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 opportunity cost of limited available energy 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 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 revenue-maximizing opportunity cost of limited available energy directly by evaluating marginal net EAS revenues for different assumed hurdle rates and selecting the revenue maximizing opportunity cost value. The hourly results reported in the appendix use the same hurdle rates as estimated in the 2021-2025 DCR.

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

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	4,420	52	4,313	143	4,246	177	772	1,073	83,575	7,371	6	15	0	908	3,627	103,444	107,071
F	Capital	4,406	48	4,489	10	4,363	50	582	642	86,473	4,876	1	21	0	1,110	3,556	103,515	107,071
G	Hudson Valley (Dutchess)	4,452	0	4,467	0	4,415	6	23	30	92,577	493	0	0	0	608	3,611	103,460	107,071
G	Hudson Valley (Rockland)	4,452	0	4,467	0	4,415	6	23	30	92,577	493	0	0	0	608	3,611	103,460	107,071
J	NYC	4,452	0	4,471	0	4,409	6	65	92	91,644	1,334	0	0	0	598	3,635	103,436	107,071
K	Long Island	4,308	147	4,422	24	4,421	0	1,300	1,450	79,974	10,227	5	46	0	747	3,618	103,453	107,071

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	3,864	676	3,713	768	3,686	754	4,452	5,324	65,393	17,528	33	257	0	1,285	4,565	103,168	107,733
F	Capital	4,243	261	3,984	493	3,932	518	2,360	3,097	76,507	11,410	1	72	0	855	4,574	103,159	107,733
G	Hudson Valley (Dutchess)	4,508	0	4,430	0	4,417	0	182	248	90,536	2,920	1	7	0	484	4,623	103,110	107,733
G	Hudson Valley (Rockland)	4,508	0	4,430	0	4,417	0	182	248	90,536	2,920	1	7	0	484	4,623	103,110	107,733
J	NYC	4,523	9	4,434	0	4,422	0	227	290	89,607	3,697	0	12	0	512	4,619	103,114	107,733
K	Long Island	4,272	254	4,246	199	4,249	178	1,952	2,199	74,539	14,876	9	148	0	612	4,614	103,119	107,733

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	4,212	306	3,919	542	3,975	478	2,273	2,969	77,935	10,014	27	138	4	905	4,568	103,129	107,697
F	Capital	4,354	199	4,073	445	4,035	404	1,918	2,507	80,190	8,984	7	82	16	483	4,541	103,156	107,697
G	Hudson Valley (Dutchess)	4,498	0	4,420	24	4,418	12	85	128	92,992	972	0	0	0	148	4,595	103,102	107,697
G	Hudson Valley (Rockland)	4,497	0	4,420	24	4,418	12	85	128	92,993	972	0	0	0	148	4,595	103,102	107,697
J	NYC	4,507	0	4,436	0	4,425	0	138	168	91,698	2,229	0	0	0	96	4,597	103,100	107,697
K	Long Island	4,436	136	4,447	53	4,399	35	1,315	1,520	80,361	10,529	18	59	0	389	4,598	103,099	107,697

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$9.08	-\$0.05	-\$2.98	-\$0.01	\$0.32	\$0.00	\$2.80	\$0.72	\$25.93	\$0.96	\$0.01	-\$0.02	\$0.00	\$36.76	\$40.86
F	Capital	\$14.45	-\$0.12	-\$7.60	\$0.00	-\$0.26	\$0.00	\$6.94	-\$0.79	\$31.12	\$0.86	\$0.03	-\$0.09	\$0.00	\$44.54	\$48.64
G	Hudson Valley (Dutchess)	\$14.70	\$0.00	-\$6.56	\$0.00	-\$0.19	\$0.00	\$0.30	\$0.44	\$35.58	\$0.12	\$0.00	\$0.00	\$0.00	\$44.39	\$48.49
G	Hudson Valley (Rockland)	\$14.68	\$0.00	-\$6.56	\$0.00	-\$0.19	\$0.00	\$0.30	\$0.44	\$35.58	\$0.12	\$0.00	\$0.00	\$0.00	\$44.37	\$48.47
J	NYC	\$14.85	\$0.00	-\$6.81	\$0.00	-\$0.24	\$0.00	\$1.68	-\$0.11	\$35.33	-\$0.72	\$0.00	\$0.00	\$0.00	\$43.97	\$48.07
K	Long Island	\$23.64	-\$1.72	-\$8.78	-\$0.01	-\$0.67	\$0.00	\$27.41	-\$1.40	\$29.14	\$0.51	\$0.09	-\$0.23	\$0.00	\$67.98	\$72.08

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$20.97	-\$0.85	-\$9.08	-\$0.14	-\$0.72	\$0.00	\$29.03	-\$9.01	\$27.21	\$3.37	\$0.27	-\$0.59	\$0.00	\$60.46	\$64.56
F	Capital	\$36.37	-\$2.01	-\$17.22	-\$0.31	-\$1.90	-\$0.03	\$44.23	-\$17.89	\$43.26	-\$0.58	\$0.03	-\$0.52	\$0.00	\$83.46	\$87.56
G	Hudson Valley (Dutchess)	\$37.06	\$0.00	-\$17.79	\$0.00	-\$2.01	\$0.00	\$6.21	-\$1.42	\$56.96	\$0.06	\$0.00	-\$0.02	\$0.00	\$79.05	\$83.15
G	Hudson Valley (Rockland)	\$37.04	\$0.00	-\$17.79	\$0.00	-\$2.01	\$0.00	\$6.21	-\$1.42	\$56.96	\$0.06	\$0.00	-\$0.02	\$0.00	\$79.02	\$83.12
J	NYC	\$36.66	-\$0.05	-\$18.05	\$0.00	-\$2.04	\$0.00	\$7.99	-\$1.65	\$60.33	\$0.95	\$0.00	-\$0.07	\$0.00	\$84.08	\$88.18
K	Long Island	\$44.55	-\$1.70	-\$18.04	-\$0.16	-\$2.12	-\$0.03	\$51.86	-\$12.35	\$43.48	-\$1.34	\$0.22	-\$0.84	\$0.00	\$103.53	\$107.63

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$13.18	-\$1.02	-\$4.44	-\$0.03	\$0.35	\$0.00	\$14.41	-\$4.88	\$32.23	-\$0.98	\$0.01	-\$0.39	\$0.00	\$48.44	\$52.54
F	Capital	\$26.71	-\$0.88	-\$9.58	-\$0.18	-\$0.34	\$0.00	\$32.75	-\$13.90	\$43.47	-\$2.46	\$0.15	-\$0.55	\$0.00	\$75.19	\$79.29
G	Hudson Valley (Dutchess)	\$24.03	\$0.00	-\$9.66	-\$0.05	-\$0.44	\$0.00	\$3.41	-\$1.37	\$59.46	-\$2.67	\$0.00	\$0.00	\$0.00	\$72.70	\$76.80
G	Hudson Valley (Rockland)	\$24.00	\$0.00	-\$9.66	-\$0.05	-\$0.44	\$0.00	\$3.41	-\$1.37	\$59.46	-\$2.67	\$0.00	\$0.00	\$0.00	\$72.68	\$76.78
J	NYC	\$23.40	\$0.00	-\$9.88	\$0.00	-\$0.45	\$0.00	\$6.21	-\$1.73	\$61.35	-\$2.01	\$0.00	\$0.00	\$0.00	\$76.89	\$80.99
K	Long Island	\$29.21	-\$1.57	-\$10.90	-\$0.06	-\$0.62	-\$0.02	\$35.34	-\$6.58	\$46.94	\$0.07	\$0.61	-\$0.28	\$0.00	\$92.15	\$96.25

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 \$4.10/kW-year voltage support services (VSS) revenue adder.

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

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	11,173	342	11,285	137	4,388	28	1,724	1,789	68,226	7,110	1	36	0	832	3,627	103,444	107,071
F	Capital	10,983	64	11,024	2	4,438	0	580	591	75,102	3,275	1	17	0	994	3,556	103,515	107,071
G	Hudson Valley (Dutchess)	11,443	0	11,384	2	4,410	0	40	56	78,692	508	0	0	0	536	3,611	103,460	107,071
G	Hudson Valley (Rockland)	11,431	0	11,372	2	4,404	0	40	56	78,710	508	0	0	0	548	3,611	103,460	107,071
J	NYC	11,375	0	11,298	0	4,409	2	108	143	77,542	1,644	0	4	0	546	3,635	103,436	107,071
K	Long Island	12,521	277	12,704	15	4,405	36	1,630	1,656	65,971	7,310	2	53	0	491	3,618	103,453	107,071

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	11,406	1,522	12,093	694	4,202	277	6,156	6,234	51,546	12,294	36	190	0	1,083	4,565	103,168	107,733
F	Capital	12,145	387	11,918	506	4,308	155	2,197	2,725	65,433	7,205	3	52	0	699	4,574	103,159	107,733
G	Hudson Valley (Dutchess)	13,007	24	12,776	85	4,450	2	276	393	73,475	2,789	1	22	0	433	4,623	103,110	107,733
G	Hudson Valley (Rockland)	12,995	24	12,764	85	4,450	2	276	393	73,499	2,789	1	22	0	433	4,623	103,110	107,733
J	NYC	12,630	101	12,514	23	4,435	12	567	545	71,562	4,930	1	85	0	328	4,619	103,114	107,733
K	Long Island	12,706	775	12,736	566	4,291	178	3,239	3,503	58,134	10,974	4	133	0	494	4,614	103,119	107,733

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	11,221	743	11,336	502	4,179	269	3,989	4,464	62,598	7,468	27	136	1	764	4,568	103,129	107,697
F	Capital	12,906	284	12,717	356	4,323	135	1,720	2,096	67,366	5,490	4	45	0	255	4,541	103,156	107,697
G	Hudson Valley (Dutchess)	12,430	0	12,243	24	4,429	0	125	170	77,314	828	0	0	0	134	4,595	103,102	107,697
G	Hudson Valley (Rockland)	12,418	0	12,231	24	4,429	0	125	170	77,338	828	0	0	0	134	4,595	103,102	107,697
J	NYC	11,946	0	11,717	36	4,426	0	328	428	75,871	2,861	0	0	0	84	4,597	103,100	107,697
K	Long Island	12,937	248	12,788	196	4,281	160	2,026	2,407	64,498	7,928	0	40	0	188	4,598	103,099	107,697

- 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$24.04	-\$0.14	-\$8.75	\$0.04	-\$1.08	\$0.01	\$4.40	\$0.56	\$21.27	\$1.25	\$0.00	-\$0.04	\$0.00	\$41.55	\$45.65
F	Capital	\$37.69	-\$0.04	-\$19.97	\$0.00	-\$2.81	\$0.00	\$6.37	\$0.36	\$26.50	\$0.74	\$0.03	-\$0.08	\$0.00	\$48.79	\$52.89
G	Hudson Valley (Dutchess)	\$39.84	\$0.00	-\$18.31	\$0.00	-\$2.64	\$0.00	\$0.54	\$0.41	\$29.42	\$0.13	\$0.00	\$0.00	\$0.00	\$49.40	\$53.50
G	Hudson Valley (Rockland)	\$39.77	\$0.00	-\$18.30	\$0.00	-\$2.64	\$0.00	\$0.54	\$0.41	\$29.43	\$0.13	\$0.00	\$0.00	\$0.00	\$49.34	\$53.44
J	NYC	\$39.56	\$0.00	-\$18.50	\$0.00	-\$2.73	\$0.00	\$2.43	-\$0.33	\$28.99	-\$0.02	\$0.00	-\$0.01	\$0.00	\$49.40	\$53.50
K	Long Island	\$65.38	-\$1.22	-\$26.15	-\$0.03	-\$4.20	-\$0.04	\$28.51	-\$1.93	\$23.53	\$1.12	\$0.02	-\$0.24	\$0.00	\$84.75	\$88.85

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$61.02	-\$1.59	-\$29.69	-\$0.03	-\$4.74	-\$0.04	\$35.09	-\$10.88	\$21.71	\$2.57	\$0.21	-\$0.42	\$0.00	\$73.20	\$77.30
F	Capital	\$104.35	-\$1.44	-\$53.83	-\$0.50	-\$8.97	-\$0.10	\$40.73	-\$16.00	\$36.55	\$0.15	\$0.01	-\$0.33	\$0.00	\$100.60	\$104.70
G	Hudson Valley (Dutchess)	\$107.39	-\$0.18	-\$52.49	-\$0.02	-\$8.87	\$0.00	\$7.02	-\$2.30	\$44.43	\$0.50	\$0.00	-\$0.14	\$0.00	\$95.35	\$99.45
G	Hudson Valley (Rockland)	\$107.28	-\$0.18	-\$52.45	-\$0.02	-\$8.87	\$0.00	\$7.02	-\$2.30	\$44.43	\$0.50	\$0.00	-\$0.14	\$0.00	\$95.29	\$99.39
J	NYC	\$102.62	-\$0.30	-\$51.96	-\$0.10	-\$8.68	-\$0.03	\$14.29	-\$3.72	\$44.86	\$1.36	\$0.03	-\$0.63	\$0.00	\$97.74	\$101.84
K	Long Island	\$127.04	-\$2.46	-\$55.53	-\$0.44	-\$9.51	-\$0.16	\$59.74	-\$17.80	\$33.40	-\$0.94	\$0.07	-\$0.81	\$0.00	\$132.60	\$136.70

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C	Central	\$35.74	-\$1.21	-\$14.34	\$0.05	-\$1.88	\$0.01	\$19.61	-\$7.20	\$25.76	\$0.66	\$0.06	-\$0.29	\$0.00	\$56.97	\$61.07
F	Capital	\$77.21	-\$2.95	-\$33.23	-\$0.17	-\$4.93	-\$0.02	\$29.71	-\$11.27	\$35.78	\$0.53	\$0.11	-\$0.20	\$0.00	\$90.57	\$94.67
G	Hudson Valley (Dutchess)	\$65.76	\$0.00	-\$27.98	-\$0.03	-\$4.19	\$0.00	\$3.83	-\$1.55	\$47.59	-\$0.74	\$0.00	\$0.00	\$0.00	\$82.69	\$86.79
G	Hudson Valley (Rockland)	\$65.68	\$0.00	-\$27.97	-\$0.03	-\$4.18	\$0.00	\$3.82	-\$1.55	\$47.60	-\$0.74	\$0.00	\$0.00	\$0.00	\$82.63	\$86.73
J	NYC	\$61.84	\$0.00	-\$27.30	-\$0.07	-\$3.93	\$0.00	\$8.65	-\$3.80	\$47.11	\$0.16	\$0.00	\$0.00	\$0.00	\$82.65	\$86.75
K	Long Island	\$81.42	-\$1.64	-\$32.51	-\$0.17	-\$4.96	\$0.00	\$40.92	-\$11.47	\$36.78	\$1.99	\$0.00	-\$0.15	\$0.00	\$110.20	\$114.30

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 \$4.10/kW-year VSS revenue adder.

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

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	16,766	495	17,066	38	4,423	43	2,772	2,761	54,345	7,555	2	46	0	759	3,627	103,444	107,071
F	Capital	15,530	230	15,672	37	4,462	0	1,753	1,776	61,822	4,873	3	29	0	884	3,556	103,515	107,071
G	Hudson Valley (Dutchess)	16,780	0	16,630	0	4,431	0	161	220	66,655	1,706	0	0	0	488	3,611	103,460	107,071
G	Hudson Valley (Rockland)	16,768	0	16,630	0	4,431	0	161	220	66,667	1,706	0	0	0	488	3,611	103,460	107,071
J	NYC	16,574	3	16,423	0	4,412	0	279	351	65,711	2,804	0	9	0	505	3,635	103,436	107,071
K	Long Island	18,733	394	18,777	167	4,455	57	2,711	2,941	52,562	5,900	5	33	0	336	3,618	103,453	107,071

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	18,069	1,634	19,130	366	4,504	151	7,983	7,893	36,270	10,592	47	169	0	925	4,565	103,168	107,733
F	Capital	17,337	686	17,349	490	4,379	140	4,621	5,219	49,922	6,983	43	40	3	521	4,574	103,159	107,733
G	Hudson Valley (Dutchess)	19,361	97	19,179	17	4,429	32	832	906	57,202	5,276	1	58	0	343	4,623	103,110	107,733
G	Hudson Valley (Rockland)	19,349	97	19,167	17	4,429	32	831	905	57,217	5,287	1	58	0	343	4,623	103,110	107,733
J	NYC	18,902	143	18,702	57	4,453	24	1,068	1,154	56,763	6,103	1	69	0	294	4,619	103,114	107,733
K	Long Island	19,982	689	20,134	263	4,444	126	4,168	4,454	44,915	8,001	58	99	0	400	4,614	103,119	107,733

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C	Central	16,886	867	17,277	240	4,463	135	5,054	5,246	49,757	6,994	39	119	0	620	4,568	103,129	107,697
F	Capital	18,928	544	18,811	394	4,652	135	3,541	3,926	52,320	4,214	4	28	0	200	4,541	103,156	107,697
G	Hudson Valley (Dutchess)	18,349	2	18,078	0	4,530	11	525	631	62,795	2,654	0	0	0	122	4,595	103,102	107,697
G	Hudson Valley (Rockland)	18,299	2	18,024	0	4,534	11	524	630	62,896	2,655	0	0	0	122	4,595	103,102	107,697
J	NYC	17,325	14	17,052	12	4,505	0	589	723	63,730	3,663	0	0	0	84	4,597	103,100	107,697
K	Long Island	19,524	322	19,382	162	4,466	71	3,090	3,522	51,395	5,619	14	21	0	109	4,598	103,099	107,697

- 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$35.35	-\$0.65	-\$13.92	\$0.00	-\$2.35	\$0.00	\$8.60	-\$1.92	\$16.39	\$1.83	\$0.00	-\$0.04	\$0.00	\$43.31	\$47.41
F Capital	\$52.32	-\$0.20	-\$28.71	-\$0.04	-\$4.65	\$0.00	\$10.25	-\$0.99	\$21.46	\$1.17	\$0.01	-\$0.08	\$0.00	\$50.54	\$54.64
G Hudson Valley (Dutchess)	\$57.49	\$0.00	-\$27.32	\$0.00	-\$4.58	\$0.00	\$1.71	-\$0.15	\$24.62	\$0.42	\$0.00	\$0.00	\$0.00	\$52.18	\$56.28
G Hudson Valley (Rockland)	\$57.37	\$0.00	-\$27.30	\$0.00	-\$4.58	\$0.00	\$1.71	-\$0.15	\$24.63	\$0.42	\$0.00	\$0.00	\$0.00	\$52.10	\$56.20
J NYC	\$57.48	-\$0.06	-\$27.75	\$0.00	-\$4.74	\$0.00	\$3.70	-\$0.59	\$24.07	\$0.84	\$0.00	-\$0.02	\$0.00	\$52.95	\$57.05
K Long Island	\$95.76	-\$1.13	-\$39.41	-\$0.27	-\$7.08	-\$0.05	\$32.86	-\$7.50	\$18.18	\$0.71	\$0.03	-\$0.14	\$0.00	\$91.96	\$96.06

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$93.53	-\$2.54	-\$47.62	-\$0.21	-\$8.22	-\$0.02	\$45.98	-\$19.17	\$14.18	\$1.34	\$0.26	-\$0.38	\$0.00	\$77.13	\$81.23
F Capital	\$148.48	-\$0.95	-\$80.37	-\$0.59	-\$13.98	-\$0.14	\$53.05	-\$25.87	\$27.78	\$0.31	\$0.16	-\$0.25	\$0.00	\$107.64	\$111.74
G Hudson Valley (Dutchess)	\$158.55	-\$0.13	-\$80.94	-\$0.04	-\$14.39	-\$0.06	\$14.59	-\$5.08	\$32.80	\$0.06	\$0.00	-\$0.34	\$0.00	\$105.01	\$109.11
G Hudson Valley (Rockland)	\$158.40	-\$0.13	-\$80.90	-\$0.04	-\$14.38	-\$0.06	\$14.57	-\$5.08	\$32.74	\$0.15	\$0.00	-\$0.34	\$0.00	\$104.93	\$109.03
J NYC	\$152.88	-\$0.05	-\$79.40	-\$0.01	-\$14.22	-\$0.02	\$18.39	-\$6.65	\$34.08	-\$0.39	\$0.03	-\$0.52	\$0.00	\$104.12	\$108.22
K Long Island	\$193.29	-\$1.43	-\$89.39	-\$0.15	-\$16.10	-\$0.08	\$64.98	-\$26.07	\$24.58	-\$0.58	\$0.37	-\$0.64	\$0.00	\$148.78	\$152.88

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$52.56	-\$2.25	-\$22.93	-\$0.11	-\$3.66	\$0.00	\$25.02	-\$8.40	\$19.66	\$2.15	\$0.09	-\$0.27	\$0.00	\$61.87	\$65.97
F Capital	\$112.01	-\$1.14	-\$51.56	-\$0.07	-\$8.84	\$0.01	\$35.05	-\$15.08	\$27.26	\$0.87	\$0.11	-\$0.15	\$0.00	\$98.48	\$102.58
G Hudson Valley (Dutchess)	\$96.74	\$0.00	-\$43.27	\$0.00	-\$7.41	\$0.01	\$10.06	-\$4.70	\$36.55	\$0.18	\$0.00	\$0.00	\$0.00	\$88.17	\$92.27
G Hudson Valley (Rockland)	\$96.49	\$0.00	-\$43.16	\$0.00	-\$7.39	\$0.01	\$10.05	-\$4.70	\$36.59	\$0.19	\$0.00	\$0.00	\$0.00	\$88.08	\$92.18
J NYC	\$89.79	\$0.01	-\$41.39	-\$0.01	-\$7.01	\$0.00	\$11.78	-\$4.60	\$37.81	\$1.13	\$0.00	\$0.00	\$0.00	\$87.50	\$91.60
K Long Island	\$118.87	-\$3.41	-\$50.40	\$0.04	-\$8.74	-\$0.08	\$50.16	-\$16.48	\$27.46	\$1.26	\$0.05	-\$0.09	\$0.00	\$118.64	\$122.74

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 \$4.10/kW-year VSS revenue adder.

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

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C Central	20,443	453	20,692	0	5,286	9	2,590	2,514	48,258	5,935	2	31	0	858	3,627	103,444	107,071
F Capital	19,519	185	19,591	0	4,930	1	1,453	1,479	54,862	4,209	13	18	0	811	3,556	103,515	107,071
G Hudson Valley (Dutchess)	20,756	1	20,575	0	5,265	0	213	274	57,484	2,003	0	0	0	500	3,611	103,460	107,071
G Hudson Valley (Rockland)	20,720	1	20,539	0	5,241	0	213	274	57,568	2,003	0	0	0	512	3,611	103,460	107,071
J NYC	20,670	2	20,468	0	5,278	0	362	467	55,995	3,315	0	7	0	507	3,635	103,436	107,071
K Long Island	22,225	413	22,347	94	5,775	94	3,456	3,775	42,903	5,651	45	22	0	271	3,618	103,453	107,071

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C Central	21,616	1,510	22,779	55	5,891	106	8,044	7,723	30,079	8,779	54	125	0	972	4,565	103,168	107,733
F Capital	20,862	647	21,174	97	5,322	140	4,582	4,830	43,584	5,856	85	33	0	521	4,574	103,159	107,733
G Hudson Valley (Dutchess)	22,658	257	22,573	0	5,779	35	1,344	1,276	48,559	4,914	1	52	0	285	4,623	103,110	107,733
G Hudson Valley (Rockland)	22,646	257	22,561	0	5,779	35	1,344	1,276	48,571	4,926	1	52	0	285	4,623	103,110	107,733
J NYC	22,500	165	22,299	6	5,710	47	1,197	1,267	48,770	5,435	0	49	0	288	4,619	103,114	107,733
K Long Island	23,898	668	24,137	90	6,108	230	4,664	4,951	35,623	6,793	86	89	0	396	4,614	103,119	107,733

Run Hours: 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve	None			
C Central	20,049	745	20,482	43	5,161	76	5,066	5,139	44,811	5,311	40	96	1	677	4,568	103,129	107,697
F Capital	21,861	490	21,988	81	5,445	136	3,614	3,721	46,838	3,353	1	26	0	143	4,541	103,156	107,697
G Hudson Valley (Dutchess)	21,300	49	21,026	0	5,303	11	787	874	55,420	2,867	0	0	0	60	4,595	103,102	107,697
G Hudson Valley (Rockland)	21,292	45	21,014	0	5,291	11	781	872	55,464	2,867	0	0	0	60	4,595	103,102	107,697
J NYC	20,459	42	20,168	0	5,045	11	656	767	56,690	3,799	0	0	0	60	4,597	103,100	107,697
K Long Island	22,797	353	22,747	71	5,756	100	3,876	4,259	42,164	5,466	20	22	0	66	4,598	103,099	107,697

- 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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$41.99	-\$0.58	-\$17.71	\$0.00	-\$3.09	\$0.00	\$7.60	-\$1.63	\$14.64	\$1.54	\$0.00	-\$0.03	\$0.00	\$42.74	\$46.84
F Capital	\$62.95	-\$0.14	-\$35.88	\$0.00	-\$6.02	\$0.00	\$8.63	-\$0.52	\$19.06	\$0.97	\$0.09	-\$0.02	\$0.00	\$49.11	\$53.21
G Hudson Valley (Dutchess)	\$68.96	\$0.00	-\$34.02	\$0.00	-\$5.89	\$0.00	\$1.80	\$1.08	\$21.25	\$0.51	\$0.00	\$0.00	\$0.00	\$53.70	\$57.80
G Hudson Valley (Rockland)	\$68.76	\$0.00	-\$33.95	\$0.00	-\$5.89	\$0.00	\$1.80	\$1.08	\$21.28	\$0.51	\$0.00	\$0.00	\$0.00	\$53.60	\$57.70
J NYC	\$69.29	\$0.00	-\$34.79	\$0.00	-\$6.16	\$0.00	\$3.77	\$0.48	\$20.56	\$0.77	\$0.00	-\$0.01	\$0.00	\$53.92	\$58.02
K Long Island	\$113.46	-\$1.20	-\$48.54	-\$0.01	-\$8.79	\$0.01	\$33.79	-\$8.80	\$14.57	\$1.31	\$0.12	-\$0.11	\$0.00	\$95.83	\$99.93

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$110.46	-\$3.22	-\$58.51	-\$0.09	-\$10.47	-\$0.06	\$44.87	-\$18.26	\$11.47	\$1.96	\$0.26	-\$0.30	\$0.00	\$78.13	\$82.23
F Capital	\$177.44	-\$0.41	-\$100.43	-\$0.17	-\$17.58	-\$0.16	\$48.21	-\$22.49	\$23.90	\$0.48	\$0.41	-\$0.21	\$0.00	\$108.99	\$113.09
G Hudson Valley (Dutchess)	\$184.91	-\$0.21	-\$97.04	\$0.00	-\$17.31	-\$0.04	\$17.68	-\$6.96	\$27.42	\$0.59	\$0.00	-\$0.31	\$0.00	\$108.75	\$112.85
G Hudson Valley (Rockland)	\$184.76	-\$0.21	-\$97.00	\$0.00	-\$17.30	-\$0.04	\$17.68	-\$6.96	\$27.42	\$0.62	\$0.00	-\$0.31	\$0.00	\$108.66	\$112.76
J NYC	\$181.35	-\$0.06	-\$97.05	-\$0.01	-\$17.29	\$0.01	\$17.91	-\$7.10	\$28.91	-\$0.42	\$0.00	-\$0.34	\$0.00	\$105.90	\$110.00
K Long Island	\$230.67	-\$0.88	-\$110.21	-\$0.15	-\$19.78	\$0.02	\$64.91	-\$28.40	\$18.80	-\$0.45	\$0.45	-\$0.57	\$0.00	\$154.41	\$158.51

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	Extra Charge	Reserve	Discharge	Charge	Reserve	None	Discharge	Charge	Reserve		
C Central	\$61.37	-\$1.14	-\$27.83	\$0.01	-\$4.68	\$0.04	\$24.59	-\$8.34	\$17.39	\$1.75	\$0.03	-\$0.19	\$0.00	\$62.99	\$67.09
F Capital	\$128.34	-\$0.40	-\$61.68	-\$0.07	-\$10.56	-\$0.11	\$32.94	-\$13.57	\$23.98	\$0.87	\$0.01	-\$0.11	\$0.00	\$99.63	\$103.73
G Hudson Valley (Dutchess)	\$109.79	\$0.01	-\$50.20	\$0.00	-\$8.59	-\$0.01	\$11.71	-\$4.69	\$31.25	\$0.52	\$0.00	\$0.00	\$0.00	\$89.80	\$93.90
G Hudson Valley (Rockland)	\$109.69	\$0.01	-\$50.19	\$0.00	-\$8.59	-\$0.01	\$11.67	-\$4.67	\$31.28	\$0.52	\$0.00	\$0.00	\$0.00	\$89.70	\$93.80
J NYC	\$103.64	\$0.01	-\$48.99	\$0.00	-\$8.43	-\$0.01	\$11.60	-\$4.01	\$32.80	\$1.11	\$0.00	\$0.00	\$0.00	\$87.71	\$91.81
K Long Island	\$136.78	-\$1.13	-\$60.10	\$0.18	-\$10.35	-\$0.10	\$52.51	-\$19.17	\$22.24	\$1.29	\$0.10	-\$0.09	\$0.00	\$122.16	\$126.26

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 \$4.10/kW-year VSS revenue adder.

**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	366	368	0	0	351	14	0	23	23	15	7,524	0	0	0	0	0	5	71	8,760
F Capital	366	368	1	0	319	45	0	86	87	47	7,343	5	0	0	0	20	73	8,760	
G Hudson Valley (Dutchess)	366	368	2	0	350	13	0	27	29	15	7,540	0	0	0	0	6	44	8,760	
G Hudson Valley (Rockland)	366	368	2	0	350	13	0	27	29	15	7,540	0	0	0	0	6	44	8,760	
J NYC	366	368	1	1	354	9	0	20	20	11	7,561	0	0	0	0	5	44	8,760	
K Long Island	366	367	5	4	315	41	0	93	93	54	7,346	10	0	1	0	27	38	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	369	369	3	5	314	43	0	89	86	51	7,298	5	2	3	0	19	104	8,760
F Capital	368	368	7	11	279	67	1	158	153	86	7,163	24	3	4	1	24	43	8,760
G Hudson Valley (Dutchess)	365	365	1	0	340	24	0	49	50	25	7,498	4	1	1	0	8	29	8,760
G Hudson Valley (Rockland)	365	365	1	0	340	24	0	49	50	25	7,498	4	1	1	0	8	29	8,760
J NYC	366	366	3	0	339	23	0	52	54	26	7,487	2	0	1	0	6	35	8,760
K Long Island	366	366	3	17	308	37	0	108	94	57	7,325	17	1	1	1	24	35	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	366	366	1	2	341	21	0	37	36	25	7,478	0	2	2	0	27	56	8,760
F Capital	371	371	4	2	325	34	0	63	65	40	7,432	5	2	2	2	14	28	8,760
G Hudson Valley (Dutchess)	366	366	2	0	355	8	0	18	20	10	7,602	1	1	1	0	0	10	8,760
G Hudson Valley (Rockland)	366	366	2	0	355	8	0	18	20	10	7,602	1	1	1	0	0	10	8,760
J NYC	366	366	0	0	355	10	0	25	25	11	7,593	1	0	0	0	0	8	8,760
K Long Island	371	371	1	3	328	33	0	72	70	38	7,426	9	1	1	0	10	26	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 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.

**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	Total	Total with VSS Adder
C	Central	\$9.15	-\$3.04	\$0.00	\$0.00	\$0.31	\$0.09	\$0.72	-\$0.14	\$0.33	\$28.65	\$0.00	\$0.00	\$0.00	\$0.02	\$36.10	\$40.20
F	Capital	\$14.64	-\$7.62	\$0.01	\$0.00	-\$0.12	\$0.29	\$7.46	-\$3.85	\$2.10	\$32.23	\$0.00	\$0.00	\$0.00	\$0.11	\$45.25	\$49.35
G	Hudson Valley (Dutchess)	\$14.70	-\$6.56	\$0.12	\$0.00	-\$0.11	\$0.07	\$1.99	-\$1.09	\$2.44	\$35.31	\$0.00	\$0.00	\$0.00	\$0.04	\$46.91	\$51.01
G	Hudson Valley (Rockland)	\$14.68	-\$6.56	\$0.12	\$0.00	-\$0.11	\$0.07	\$1.98	-\$1.09	\$2.44	\$35.31	\$0.00	\$0.00	\$0.00	\$0.04	\$46.89	\$50.99
J	NYC	\$14.85	-\$6.81	\$0.11	-\$0.05	-\$0.18	\$0.04	\$1.52	-\$0.78	\$1.21	\$35.79	\$0.00	\$0.00	\$0.00	\$0.03	\$45.74	\$49.84
K	Long Island	\$24.59	-\$8.88	\$0.41	-\$0.26	-\$0.52	\$0.19	\$6.74	-\$1.37	\$3.72	\$33.53	\$0.00	-\$0.03	\$0.00	\$0.15	\$58.27	\$62.37

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	Total	Total with VSS Adder
C	Central	\$23.84	-\$10.37	\$0.26	-\$0.22	-\$0.87	\$0.24	\$9.45	-\$4.20	-\$0.49	\$40.33	\$0.13	-\$0.08	\$0.00	\$0.09	\$58.11	\$62.21
F	Capital	\$39.51	-\$19.85	\$1.14	-\$1.07	-\$1.98	\$0.42	\$25.42	-\$14.75	-\$1.55	\$52.24	\$0.24	-\$0.26	-\$0.02	\$0.17	\$79.67	\$83.77
G	Hudson Valley (Dutchess)	\$37.06	-\$17.79	\$0.18	\$0.00	-\$2.02	\$0.16	\$7.47	-\$4.45	-\$0.30	\$59.04	\$0.05	-\$0.07	\$0.00	\$0.08	\$79.40	\$83.50
G	Hudson Valley (Rockland)	\$37.04	-\$17.79	\$0.18	\$0.00	-\$2.02	\$0.16	\$7.47	-\$4.45	-\$0.30	\$59.04	\$0.05	-\$0.07	\$0.00	\$0.08	\$79.37	\$83.47
J	NYC	\$36.81	-\$18.05	\$0.38	\$0.00	-\$2.13	\$0.12	\$8.20	-\$4.80	-\$0.43	\$64.07	\$0.00	-\$0.12	\$0.00	\$0.04	\$84.08	\$88.18
K	Long Island	\$47.90	-\$19.16	\$0.32	-\$1.49	-\$1.95	\$0.21	\$15.58	-\$6.92	\$0.12	\$55.84	\$0.05	-\$0.07	-\$0.03	\$0.17	\$90.59	\$94.69

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	Total	Total with VSS Adder
C	Central	\$14.64	-\$5.27	\$2.76	-\$0.05	\$0.33	\$0.33	\$2.72	-\$0.87	-\$0.15	\$40.08	\$0.16	-\$0.14	\$0.00	\$0.14	\$54.69	\$58.79
F	Capital	\$28.79	-\$11.53	\$0.53	-\$0.15	-\$0.46	\$0.34	\$12.01	-\$7.24	-\$0.14	\$52.70	\$0.11	-\$0.18	-\$0.05	\$0.07	\$74.80	\$78.90
G	Hudson Valley (Dutchess)	\$24.03	-\$9.74	\$0.41	\$0.00	-\$0.54	\$0.04	\$4.15	-\$2.76	\$1.07	\$59.74	\$0.09	-\$0.10	\$0.00	\$0.00	\$76.38	\$80.48
G	Hudson Valley (Rockland)	\$24.00	-\$9.74	\$0.41	\$0.00	-\$0.54	\$0.04	\$4.15	-\$2.76	\$1.07	\$59.75	\$0.09	-\$0.10	\$0.00	\$0.00	\$76.36	\$80.46
J	NYC	\$23.40	-\$9.88	\$0.00	\$0.00	-\$0.50	\$0.06	\$6.02	-\$4.02	\$1.73	\$62.54	\$0.00	\$0.00	\$0.00	\$0.00	\$79.34	\$83.44
K	Long Island	\$30.63	-\$11.18	\$0.09	-\$0.19	-\$0.61	\$0.19	\$12.01	-\$5.52	\$0.62	\$56.33	\$0.06	-\$0.06	\$0.00	\$0.06	\$82.42	\$86.52

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 \$4.10/kW-year VSS revenue adder.

**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	Total
C	Central	941	943	0	0	345	20	0	33	33	21	6,353	0	0	0	0	9	62	8,760
F	Capital	905	907	7	4	292	62	0	146	148	85	6,119	2	0	1	0	26	56	8,760
G	Hudson Valley (Dutchess)	937	939	2	3	338	22	0	47	46	31	6,351	0	0	0	0	11	33	8,760
G	Hudson Valley (Rockland)	936	938	2	3	339	21	0	46	45	30	6,355	0	0	0	0	11	34	8,760
J	NYC	931	933	3	1	344	17	0	35	37	23	6,391	0	0	0	0	10	35	8,760
K	Long Island	1,050	1,051	3	7	302	55	0	115	111	76	5,941	4	1	1	0	15	28	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	Total
C	Central	1,052	1,052	1	6	306	54	0	151	145	77	5,808	2	1	2	1	13	89	8,760
F	Capital	1,020	1,020	7	17	272	70	0	221	211	121	5,726	14	4	4	1	24	28	8,760
G	Hudson Valley (Dutchess)	1,060	1,060	1	4	336	24	0	75	72	37	6,051	4	1	1	0	8	26	8,760
G	Hudson Valley (Rockland)	1,059	1,059	1	4	336	24	0	75	72	37	6,053	4	1	1	0	8	26	8,760
J	NYC	1,034	1,034	3	7	334	21	0	94	90	41	6,067	2	1	1	0	10	21	8,760
K	Long Island	1,095	1,095	5	19	298	44	0	147	134	85	5,775	12	1	0	1	18	31	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	Total
C	Central	972	972	1	1	326	37	0	77	77	48	6,174	0	1	1	0	20	53	8,760
F	Capital	1,072	1,072	3	5	316	43	0	117	115	66	5,923	3	2	2	1	6	14	8,760
G	Hudson Valley (Dutchess)	1,010	1,010	1	2	340	22	0	62	62	31	6,208	1	1	0	0	1	9	8,760
G	Hudson Valley (Rockland)	1,009	1,009	1	2	340	22	0	62	62	31	6,210	1	1	0	0	1	9	8,760
J	NYC	969	969	2	2	344	17	0	60	60	26	6,303	1	0	0	0	1	6	8,760
K	Long Island	1,068	1,068	4	8	312	41	0	125	121	69	5,911	14	2	2	0	5	10	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 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.

**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	\$24.41	-\$8.81	\$0.00	\$0.00	-\$1.02	\$0.12	\$1.32	\$0.04	\$0.08	\$24.02	\$0.00	\$0.00	\$0.00	\$0.04	\$40.21	\$44.31
F	Capital	\$37.93	-\$19.98	\$0.40	-\$0.04	-\$2.21	\$0.35	\$11.70	-\$5.51	\$2.22	\$25.75	\$0.00	-\$0.08	\$0.00	\$0.14	\$50.66	\$54.76
G	Hudson Valley (Dutchess)	\$39.84	-\$18.32	\$0.17	-\$0.07	-\$2.28	\$0.14	\$2.93	-\$1.24	\$2.22	\$28.61	\$0.00	\$0.00	\$0.00	\$0.07	\$52.06	\$56.16
G	Hudson Valley (Rockland)	\$39.77	-\$18.30	\$0.17	-\$0.07	-\$2.28	\$0.13	\$2.91	-\$1.24	\$2.22	\$28.62	\$0.00	\$0.00	\$0.00	\$0.07	\$51.99	\$56.09
J	NYC	\$39.56	-\$18.50	\$0.18	\$0.06	-\$2.40	\$0.09	\$2.32	-\$1.27	\$1.09	\$29.22	\$0.00	\$0.00	\$0.00	\$0.06	\$50.41	\$54.51
K	Long Island	\$67.23	-\$26.23	\$0.09	-\$0.48	-\$3.27	\$0.24	\$9.11	-\$1.93	\$1.51	\$26.42	\$0.02	-\$0.03	\$0.00	\$0.08	\$72.76	\$76.86

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	\$67.38	-\$30.81	\$0.06	-\$0.16	-\$4.35	\$0.26	\$14.53	-\$6.23	-\$1.09	\$30.90	\$0.07	-\$0.04	-\$0.01	\$0.08	\$70.60	\$74.70
F	Capital	\$108.75	-\$56.95	\$2.25	-\$1.86	-\$6.48	\$0.40	\$35.24	-\$17.31	-\$3.37	\$39.34	\$0.23	-\$0.22	-\$0.04	\$0.15	\$100.15	\$104.25
G	Hudson Valley (Dutchess)	\$107.80	-\$53.06	\$0.13	-\$0.27	-\$8.19	\$0.15	\$11.20	-\$5.89	-\$1.11	\$45.26	\$0.05	-\$0.07	\$0.00	\$0.05	\$96.05	\$100.15
G	Hudson Valley (Rockland)	\$107.68	-\$53.02	\$0.13	-\$0.27	-\$8.18	\$0.15	\$11.19	-\$5.89	-\$1.11	\$45.27	\$0.05	-\$0.07	\$0.00	\$0.05	\$95.99	\$100.09
J	NYC	\$103.93	-\$52.12	\$0.35	-\$0.68	-\$8.09	\$0.12	\$14.16	-\$7.29	-\$1.10	\$48.88	\$0.15	-\$0.12	\$0.00	\$0.06	\$98.24	\$102.34
K	Long Island	\$135.43	-\$58.55	\$0.40	-\$1.65	-\$7.88	\$0.21	\$22.07	-\$10.05	-\$1.39	\$42.95	\$0.06	\$0.00	-\$0.01	\$0.10	\$121.70	\$125.80

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	\$38.78	-\$15.21	\$0.75	-\$0.04	-\$1.77	\$0.35	\$7.41	-\$2.18	-\$0.49	\$31.94	\$0.04	-\$0.05	\$0.00	\$0.10	\$59.63	\$63.73
F	Capital	\$80.04	-\$34.75	\$0.86	-\$0.76	-\$4.12	\$0.47	\$18.35	-\$9.47	-\$1.44	\$38.93	\$0.22	-\$0.14	-\$0.06	\$0.03	\$88.16	\$92.26
G	Hudson Valley (Dutchess)	\$65.76	-\$28.06	\$3.18	-\$0.08	-\$3.97	\$0.35	\$10.40	-\$5.45	\$0.55	\$45.27	\$0.09	\$0.00	\$0.00	\$0.01	\$88.04	\$92.14
G	Hudson Valley (Rockland)	\$65.68	-\$28.05	\$3.18	-\$0.08	-\$3.97	\$0.35	\$10.40	-\$5.45	\$0.55	\$45.28	\$0.09	\$0.00	\$0.00	\$0.01	\$87.98	\$92.08
J	NYC	\$61.84	-\$27.42	\$0.48	-\$0.01	-\$3.85	\$0.22	\$10.76	-\$5.73	\$1.12	\$48.35	\$0.00	\$0.00	\$0.00	\$0.01	\$85.78	\$89.88
K	Long Island	\$83.57	-\$33.45	\$1.33	-\$0.57	-\$4.55	\$0.31	\$22.50	-\$9.29	\$0.63	\$41.93	\$0.25	-\$0.20	\$0.00	\$0.04	\$102.50	\$106.60

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 \$4.10/kW-year VSS revenue adder.

**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	Total
C	Central	1,409	1,411	0	0	346	22	0	44	44	32	5,386	0	0	0	0	5	61	8,760
F	Capital	1,290	1,292	2	8	296	61	0	181	174	103	5,276	2	0	1	0	20	54	8,760
G	Hudson Valley (Dutchess)	1,372	1,373	3	2	336	25	0	65	66	42	5,436	0	0	0	0	11	29	8,760
G	Hudson Valley (Rockland)	1,371	1,373	3	2	337	24	0	62	63	41	5,444	0	0	0	0	11	29	8,760
J	NYC	1,356	1,357	3	3	337	22	0	55	55	38	5,492	0	0	0	0	12	30	8,760
K	Long Island	1,564	1,565	3	6	306	56	0	144	141	105	4,838	1	1	1	0	14	15	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	Total
C	Central	1,602	1,602	7	7	319	47	0	161	157	103	4,663	0	0	4	1	9	78	8,760
F	Capital	1,464	1,464	14	25	259	73	0	283	274	177	4,670	8	4	2	0	19	24	8,760
G	Hudson Valley (Dutchess)	1,579	1,579	2	5	337	23	0	105	102	51	4,942	3	0	0	0	8	24	8,760
G	Hudson Valley (Rockland)	1,578	1,578	2	5	338	22	0	104	101	50	4,947	3	0	0	0	8	24	8,760
J	NYC	1,544	1,544	3	5	328	32	0	123	119	63	4,968	2	0	2	0	11	16	8,760
K	Long Island	1,676	1,676	8	14	293	60	1	206	199	139	4,437	6	1	2	2	11	29	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	Total
C	Central	1,439	1,439	2	4	338	30	0	88	85	51	5,221	0	0	1	1	12	49	8,760
F	Capital	1,575	1,575	7	13	321	51	0	142	137	98	4,821	1	1	0	2	5	11	8,760
G	Hudson Valley (Dutchess)	1,487	1,487	3	4	343	21	0	73	73	44	5,215	0	1	0	1	1	7	8,760
G	Hudson Valley (Rockland)	1,483	1,483	3	4	342	22	0	74	74	45	5,220	0	1	0	1	1	7	8,760
J	NYC	1,405	1,405	3	3	339	23	0	76	76	42	5,381	0	0	0	0	1	6	8,760
K	Long Island	1,606	1,606	6	13	312	41	0	158	151	98	4,743	14	2	2	1	2	5	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 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.

**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	\$36.25	-\$14.00	\$0.00	\$0.00	-\$2.13	\$0.13	\$1.81	-\$0.07	\$0.03	\$20.26	\$0.00	\$0.00	\$0.00	\$0.02	\$42.30	\$46.40
F	Capital	\$53.09	-\$28.80	\$0.21	-\$0.23	-\$3.49	\$0.35	\$14.17	-\$6.24	\$0.37	\$21.56	\$0.00	-\$0.08	\$0.00	\$0.10	\$51.01	\$55.11
G	Hudson Valley (Dutchess)	\$57.49	-\$27.32	\$0.20	\$0.00	-\$3.94	\$0.18	\$4.25	-\$2.19	\$2.05	\$23.97	\$0.00	\$0.00	\$0.00	\$0.06	\$54.76	\$58.86
G	Hudson Valley (Rockland)	\$57.37	-\$27.30	\$0.20	\$0.00	-\$3.95	\$0.17	\$4.06	-\$2.06	\$2.08	\$24.04	\$0.00	\$0.00	\$0.00	\$0.06	\$54.68	\$58.78
J	NYC	\$57.51	-\$27.75	\$0.19	-\$0.03	-\$4.03	\$0.14	\$3.37	-\$1.56	\$1.93	\$24.37	\$0.00	\$0.00	\$0.00	\$0.07	\$54.22	\$58.32
K	Long Island	\$98.37	-\$40.15	\$0.14	-\$0.42	-\$4.02	\$0.25	\$12.63	-\$4.88	-\$0.48	\$21.06	\$0.13	-\$0.03	\$0.00	\$0.07	\$82.68	\$86.78

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	\$100.43	-\$48.55	\$0.68	-\$0.30	-\$7.33	\$0.24	\$15.41	-\$6.60	-\$1.64	\$24.63	\$0.00	-\$0.12	-\$0.01	\$0.05	\$76.88	\$80.98
F	Capital	\$154.78	-\$83.18	\$2.56	-\$2.27	-\$9.62	\$0.39	\$41.28	-\$21.32	-\$5.17	\$30.48	\$0.23	-\$0.07	\$0.00	\$0.13	\$108.22	\$112.32
G	Hudson Valley (Dutchess)	\$159.46	-\$81.03	\$0.20	-\$0.60	-\$13.54	\$0.14	\$16.32	-\$8.32	-\$1.41	\$35.59	\$0.00	\$0.00	\$0.00	\$0.05	\$106.86	\$110.96
G	Hudson Valley (Rockland)	\$159.31	-\$80.99	\$0.20	-\$0.60	-\$13.55	\$0.14	\$16.28	-\$8.31	-\$1.40	\$35.62	\$0.00	\$0.00	\$0.00	\$0.05	\$106.75	\$110.85
J	NYC	\$154.44	-\$79.79	\$0.45	-\$0.43	-\$12.98	\$0.17	\$18.71	-\$9.62	-\$1.85	\$37.39	\$0.00	-\$0.26	\$0.00	\$0.06	\$106.29	\$110.39
K	Long Island	\$200.00	-\$90.86	\$0.75	-\$1.23	-\$13.19	\$0.32	\$33.31	-\$13.68	-\$3.83	\$32.73	\$0.05	-\$0.12	-\$0.10	\$0.07	\$144.21	\$148.31

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	\$56.00	-\$23.28	\$0.74	-\$0.04	-\$3.47	\$0.22	\$8.79	-\$2.23	-\$0.67	\$26.26	\$0.00	-\$0.05	\$0.00	\$0.06	\$62.34	\$66.44
F	Capital	\$115.99	-\$53.17	\$1.60	-\$1.52	-\$6.10	\$0.29	\$21.88	-\$10.84	-\$2.43	\$30.12	\$0.17	\$0.00	-\$0.11	\$0.02	\$95.90	\$100.00
G	Hudson Valley (Dutchess)	\$96.76	-\$43.27	\$0.60	-\$0.25	-\$6.72	\$0.22	\$13.12	-\$6.70	\$0.33	\$36.12	\$0.05	\$0.00	-\$0.04	\$0.01	\$90.22	\$94.32
G	Hudson Valley (Rockland)	\$96.51	-\$43.16	\$0.60	-\$0.25	-\$6.65	\$0.22	\$13.20	-\$6.75	\$0.31	\$36.10	\$0.05	\$0.00	-\$0.04	\$0.01	\$90.15	\$94.25
J	NYC	\$89.85	-\$41.43	\$0.61	-\$0.23	-\$6.31	\$0.27	\$13.01	-\$6.19	\$0.38	\$39.27	\$0.00	\$0.00	\$0.00	\$0.01	\$89.25	\$93.35
K	Long Island	\$121.29	-\$51.51	\$3.63	-\$1.09	-\$7.56	\$0.31	\$27.65	-\$10.08	-\$0.60	\$32.66	\$0.25	-\$0.18	-\$0.06	\$0.01	\$114.74	\$118.84

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 \$4.10/kW-year VSS revenue adder.

**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	Total
C	Central	1,704	1,706	0	2	408	25	0	50	48	41	4,703	0	0	0	0	5	68	8,760
F	Capital	1,609	1,611	4	5	333	63	1	171	170	119	4,601	4	1	1	0	14	53	8,760
G	Hudson Valley (Dutchess)	1,696	1,698	4	2	402	26	0	67	69	48	4,707	0	0	0	0	11	30	8,760
G	Hudson Valley (Rockland)	1,693	1,695	4	2	400	26	0	67	69	48	4,714	0	0	0	0	11	31	8,760
J	NYC	1,689	1,691	3	2	405	24	0	68	69	45	4,722	0	0	0	0	12	30	8,760
K	Long Island	1,852	1,853	10	15	384	70	0	203	197	149	3,998	1	1	2	0	13	12	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	Total
C	Central	1,876	1,876	9	14	386	78	0	208	202	155	3,862	1	1	2	3	9	78	8,760
F	Capital	1,744	1,744	16	38	302	89	0	328	309	219	3,913	6	6	3	0	21	22	8,760
G	Hudson Valley (Dutchess)	1,856	1,856	3	8	433	32	0	148	142	79	4,173	3	0	1	0	5	21	8,760
G	Hudson Valley (Rockland)	1,855	1,855	3	8	433	32	0	147	141	79	4,177	3	0	1	0	5	21	8,760
J	NYC	1,835	1,835	2	12	411	46	0	152	140	94	4,204	2	0	2	0	9	16	8,760
K	Long Island	1,990	1,990	11	31	384	90	1	294	271	208	3,439	5	2	5	2	7	30	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	Total
C	Central	1,685	1,685	3	5	386	32	0	113	108	64	4,613	0	0	3	1	13	49	8,760
F	Capital	1,808	1,808	9	19	375	52	0	192	180	111	4,191	1	0	2	1	4	7	8,760
G	Hudson Valley (Dutchess)	1,730	1,730	5	8	397	24	0	93	90	60	4,608	10	0	0	0	1	4	8,760
G	Hudson Valley (Rockland)	1,729	1,729	5	8	396	24	0	93	90	60	4,611	10	0	0	0	1	4	8,760
J	NYC	1,660	1,660	7	4	377	24	0	93	96	58	4,776	0	0	0	0	1	4	8,760
K	Long Island	1,873	1,873	12	18	388	61	0	207	201	147	3,959	12	2	2	0	3	2	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 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.

**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	Total	Total with VSS Adder
C	Central	\$42.76	-\$17.71	\$0.00	-\$0.03	-\$2.79	\$0.16	\$2.15	-\$0.18	\$0.04	\$17.82	\$0.00	\$0.00	\$0.00	\$0.02	\$42.24	\$46.34
F	Capital	\$63.52	-\$35.88	\$0.27	-\$0.19	-\$4.34	\$0.36	\$13.45	-\$5.61	\$0.07	\$18.78	\$0.03	-\$0.08	\$0.00	\$0.07	\$50.45	\$54.55
G	Hudson Valley (Dutchess)	\$68.96	-\$34.01	\$0.42	-\$0.10	-\$5.07	\$0.20	\$4.84	-\$2.42	\$2.04	\$20.65	\$0.00	\$0.00	\$0.00	\$0.06	\$55.56	\$59.66
G	Hudson Valley (Rockland)	\$68.76	-\$33.95	\$0.42	-\$0.10	-\$5.06	\$0.20	\$4.84	-\$2.42	\$2.04	\$20.68	\$0.00	\$0.00	\$0.00	\$0.06	\$55.46	\$59.56
J	NYC	\$69.30	-\$34.79	\$0.31	-\$0.15	-\$5.31	\$0.15	\$4.91	-\$2.25	\$1.85	\$20.81	\$0.00	\$0.00	\$0.00	\$0.07	\$54.90	\$59.00
K	Long Island	\$116.36	-\$48.95	\$0.71	\$0.87	-\$5.66	\$0.33	\$18.78	-\$7.80	\$1.67	\$17.08	\$0.13	-\$0.13	\$0.00	\$0.07	\$93.45	\$97.55

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	Total	Total with VSS Adder
C	Central	\$116.85	-\$58.69	\$1.44	-\$0.56	-\$8.31	\$0.38	\$18.84	-\$8.62	-\$2.41	\$19.91	\$0.11	-\$0.06	-\$0.04	\$0.04	\$78.87	\$82.97
F	Capital	\$182.69	-\$101.08	\$3.87	-\$2.94	-\$10.90	\$0.50	\$45.30	-\$23.93	-\$6.87	\$24.70	\$0.42	-\$0.11	\$0.00	\$0.15	\$111.79	\$115.89
G	Hudson Valley (Dutchess)	\$186.82	-\$97.04	\$0.39	-\$0.70	-\$15.51	\$0.28	\$22.57	-\$11.81	-\$1.81	\$28.96	\$0.00	-\$0.02	\$0.00	\$0.03	\$112.16	\$116.26
G	Hudson Valley (Rockland)	\$186.66	-\$97.00	\$0.39	-\$0.70	-\$15.50	\$0.28	\$22.50	-\$11.79	-\$1.80	\$28.99	\$0.00	-\$0.02	\$0.00	\$0.03	\$112.03	\$116.13
J	NYC	\$183.04	-\$97.10	\$0.32	-\$0.90	-\$15.09	\$0.25	\$22.77	-\$11.35	-\$2.88	\$30.40	\$0.00	-\$0.26	\$0.00	\$0.05	\$109.25	\$113.35
K	Long Island	\$236.59	-\$110.83	\$1.73	-\$2.17	-\$14.61	\$0.56	\$45.78	-\$19.74	-\$6.26	\$24.20	\$0.14	-\$0.34	-\$0.10	\$0.04	\$154.98	\$159.08

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	Total	Total with VSS Adder
C	Central	\$64.32	-\$27.93	\$0.77	-\$0.14	-\$3.89	\$0.24	\$9.94	-\$2.96	-\$0.84	\$22.85	\$0.00	-\$0.13	\$0.00	\$0.06	\$62.28	\$66.38
F	Capital	\$131.67	-\$62.06	\$4.26	-\$1.91	-\$7.49	\$0.38	\$27.31	-\$13.46	-\$2.61	\$25.40	\$0.00	-\$0.11	-\$0.05	\$0.02	\$101.34	\$105.44
G	Hudson Valley (Dutchess)	\$110.14	-\$50.20	\$0.98	-\$0.48	-\$7.61	\$0.23	\$15.58	-\$8.60	-\$0.24	\$31.27	\$0.00	\$0.00	\$0.00	\$0.01	\$91.07	\$95.17
G	Hudson Valley (Rockland)	\$110.02	-\$50.19	\$0.98	-\$0.48	-\$7.61	\$0.23	\$15.57	-\$8.60	-\$0.24	\$31.28	\$0.00	\$0.00	\$0.00	\$0.01	\$90.97	\$95.07
J	NYC	\$103.97	-\$48.99	\$1.90	-\$0.23	-\$7.50	\$0.36	\$15.98	-\$8.30	\$0.12	\$33.50	\$0.00	\$0.00	\$0.00	\$0.01	\$90.81	\$94.91
K	Long Island	\$139.09	-\$60.60	\$4.66	-\$1.59	-\$8.28	\$0.35	\$36.36	-\$13.75	-\$2.03	\$26.67	\$0.25	-\$0.10	\$0.00	\$0.02	\$121.07	\$125.17

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 \$4.10/kW-year VSS revenue adder.