

2025 Preliminary Baseline Forecast

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Topics

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Long-Term Forecast Methodology

Base Load Forecast: Statistically Adjusted End-Use (SAE) models account for:

- Economic and demographic trends
- Weather trends
- Appliance saturation and efficiency trends
- Recent load growth trends

Load reducing modifiers:

- Additional energy efficiency savings
- BTM solar impacts
- BTM Distributed Generation impacts
- BTM storage peak reductions

Load increasing modifiers:

- Electric Vehicle (EV) impacts
- Heating, cooling, and base load electrification
- Large load projects
- Storage net energy consumption

Final Peak and Energy Forecasts - Itron Metrix LT software:

- Compilation of 8,760 hourly load shapes for base load and all technologies/load modifiers
- Dynamic calculation of peak load forecast based on the 8,760 shapes
- Additional information is considered, including forecasts from Transmission Owners

Forecast Assumptions – Prior Presentations

- Baseline Economic forecast (derived from Moody's Analytics data) (2025) - [presentation](#)
- Energy Efficiency, Behind-the-Meter Distributed Generation, and Battery Energy Storage forecasts (2025) - [presentation](#)
- Electric Vehicle forecast (2025) - [presentation](#)
- Building Electrification forecast assumptions (2025) - [presentation](#)

Electrification Forecasts

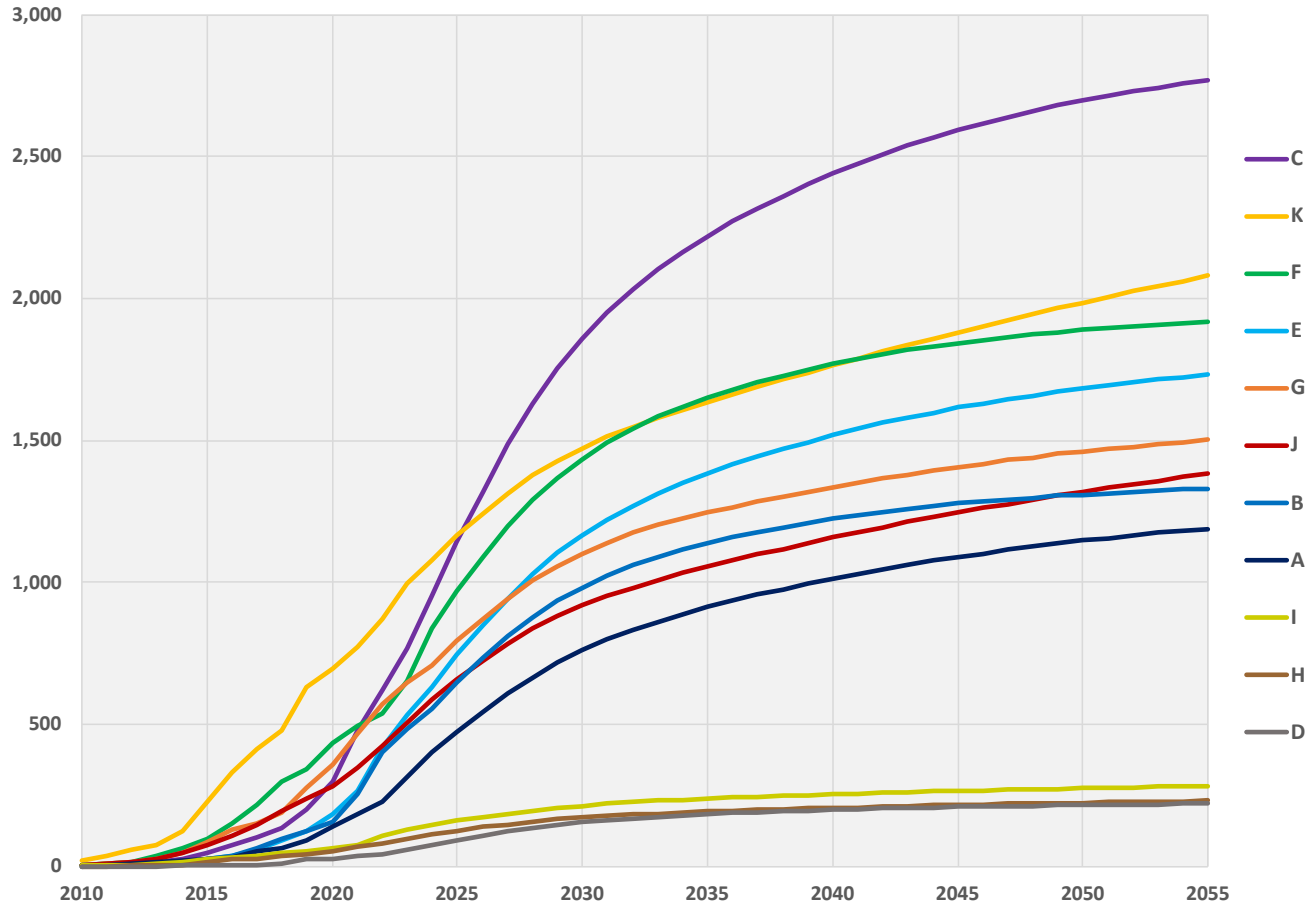
Summary of NYCA Baseline Electrification Forecasts

Year	Annual Energy - GWh			Summer Peak - MW			Winter	Winter Peak - MW		
	EV	Building	Total	EV	Building	Total		EV	Building	Total
2025	1,353	411	1,764	190	33	223	2025-26	405	121	526
2026	1,796	1,177	2,973	270	78	348	2026-27	508	360	868
2027	2,383	1,979	4,362	354	131	485	2027-28	635	665	1,300
2028	3,133	2,971	6,104	489	187	676	2028-29	823	1,014	1,837
2029	4,067	3,998	8,065	629	252	881	2029-30	1,043	1,385	2,428
2030	5,208	5,038	10,246	822	323	1,145	2030-31	1,328	1,772	3,100
2031	6,579	6,097	12,676	1,000	404	1,404	2031-32	1,708	2,177	3,885
2032	8,209	7,235	15,444	1,247	492	1,739	2032-33	2,099	2,623	4,722
2033	10,128	8,447	18,575	1,522	589	2,111	2033-34	2,510	3,109	5,619
2034	12,373	9,844	22,217	1,875	697	2,572	2034-35	2,918	3,678	6,596
2035	14,984	11,352	26,336	2,264	811	3,075	2035-36	3,404	4,306	7,710
2036	17,663	13,623	31,286	2,642	935	3,577	2036-37	3,911	5,231	9,142
2037	20,392	16,245	36,637	3,042	1,064	4,106	2037-38	4,422	6,313	10,735
2038	23,142	19,123	42,265	3,387	1,185	4,572	2038-39	4,926	7,522	12,448
2039	25,889	21,874	47,763	3,725	1,319	5,044	2039-40	5,437	8,709	14,146
2040	28,607	24,647	53,254	4,079	1,438	5,517	2040-41	5,958	9,932	15,890
2041	31,277	27,103	58,380	4,457	1,564	6,021	2041-42	6,424	11,055	17,479
2042	33,891	29,404	63,295	4,752	1,662	6,414	2042-43	6,907	12,139	19,046
2043	36,433	31,573	68,006	5,111	1,763	6,874	2043-44	7,404	13,192	20,596
2044	38,883	33,657	72,540	5,429	1,845	7,274	2044-45	7,784	14,234	22,018
2045	41,213	35,407	76,620	5,750	1,934	7,684	2045-46	8,194	15,156	23,350
2046	43,328	36,990	80,318	5,970	1,997	7,967	2046-47	8,573	16,026	24,599
2047	45,215	38,438	83,653	6,226	2,064	8,290	2047-48	8,946	16,856	25,802
2048	46,873	39,974	86,847	6,374	2,124	8,498	2048-49	9,190	17,742	26,932
2049	48,311	41,230	89,541	6,507	2,177	8,684	2049-50	9,327	18,522	27,849
2050	49,535	42,855	92,390	6,599	2,239	8,838	2050-51	9,468	19,252	28,720
2051	50,351	43,889	94,240	6,668	2,280	8,948	2051-52	9,587	19,967	29,554
2052	50,907	44,931	95,838	6,724	2,314	9,038	2052-53	9,667	20,668	30,335
2053	51,378	45,766	97,144	6,757	2,374	9,131	2053-54	9,705	21,254	30,959
2054	51,742	46,577	98,319	6,778	2,430	9,208	2054-55	9,753	21,658	31,411
2055	51,978	47,333	99,311	6,793	2,463	9,256	2055-56	9,780	21,850	31,630

BTM Solar Forecast

BTM Solar Nameplate Capacity, Historical & Forecast (MW DC)

MW DC
3,000

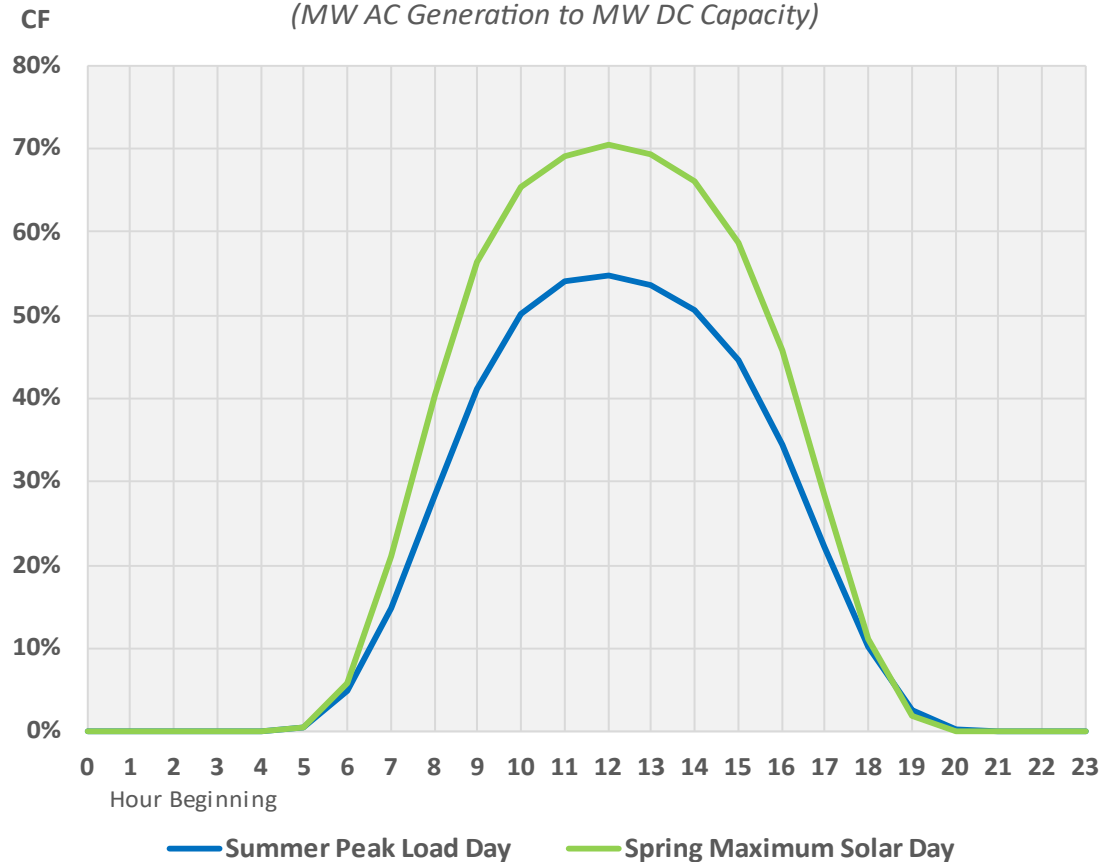


NYCA BTM Solar Forecast

	I-9a	I-9b
Year	EOY Nameplate Capacity (MW DC)	Annual Energy Reductions (GWh)
2025	6,976	7,489
2026	7,798	8,583
2027	8,546	9,606
2028	9,201	10,517
2029	9,769	11,317
2030	10,237	11,987
2031	10,657	12,580
2032	11,023	13,107
2033	11,340	13,569
2034	11,606	13,959
2035	11,856	14,265
2036	12,090	14,595
2037	12,309	14,895
2038	12,517	15,185
2039	12,707	15,467
2040	12,889	15,716
2041	13,061	15,958
2042	13,220	16,186
2043	13,371	16,396
2044	13,514	16,594
2045	13,647	16,789
2046	13,772	16,965
2047	13,893	17,130
2048	14,004	17,298
2049	14,110	17,450
2050	14,211	17,581
2051	14,306	17,726
2052	14,397	17,858
2053	14,480	17,979
2054	14,559	18,091
2055	14,639	18,195

NYCA BTM Solar Hourly Capacity Factors

(MW AC Generation to MW DC Capacity)

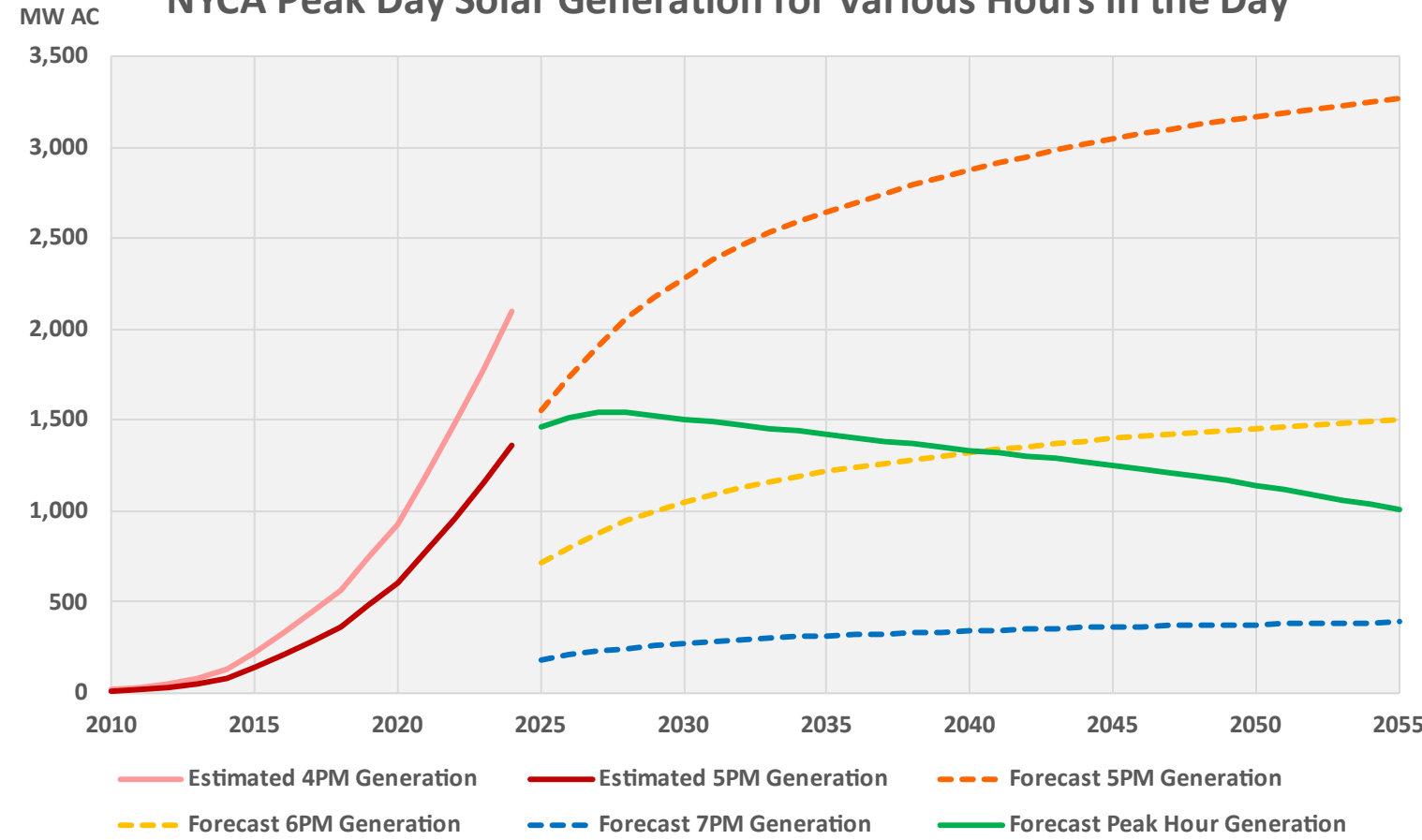


Note: Based on samples of near-peak load and near-maximum BTM solar days over the last few years.

NYCA BTM Solar Forecast

1-9d	
Maximum Hourly BTM Solar Generation (MW AC)	
Year	
2025	4,437
2026	5,044
2027	5,606
2028	6,113
2029	6,557
2030	6,936
2031	7,254
2032	7,537
2033	7,785
2034	7,998
2035	8,181
2036	8,354
2037	8,515
2038	8,666
2039	8,808
2040	8,942
2041	9,067
2042	9,185
2043	9,296
2044	9,400
2045	9,498
2046	9,591
2047	9,678
2048	9,761
2049	9,838
2050	9,912
2051	9,982
2052	10,048
2053	10,110
2054	10,169
2055	10,225

NYCA Peak Day Solar Generation for Various Hours in the Day



Note: The NYCA peak is expected to shift out later into the evening over the forecast horizon.

NYCA BTM Solar Forecast

	I-9c
	Coincident Peak Hour Load Reductions (MW AC)
Year	
2025	1,465
2026	1,518
2027	1,544
2028	1,542
2029	1,525
2030	1,508
2031	1,492
2032	1,475
2033	1,456
2034	1,439
2035	1,421
2036	1,403
2037	1,385
2038	1,367
2039	1,349
2040	1,334
2041	1,319
2042	1,303
2043	1,288
2044	1,270
2045	1,254
2046	1,234
2047	1,213
2048	1,190
2049	1,166
2050	1,141
2051	1,117
2052	1,090
2053	1,062
2054	1,035
2055	1,007

Large Loads Forecast

Table I-14: Large Loads Forecast

Includes Existing and Future Impacts of Large Load Projects

Annual Energy by Zone - GWh

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	1,930	40	0	1,330	90	0	320	0	0	0	0	3,710
2026	2,520	80	510	3,980	110	0	600	0	0	0	0	7,800
2027	2,620	80	1,180	4,970	190	320	750	0	0	0	10	10,120
2028	2,620	80	2,020	5,000	290	320	830	0	0	0	130	11,290
2029	2,620	80	3,100	5,000	380	320	850	0	0	0	540	12,890
2030	2,620	80	4,580	5,000	500	320	870	0	0	0	1,120	15,090
2031	2,620	80	5,380	5,000	550	320	890	0	0	0	1,540	16,380
2032	2,620	80	6,190	5,000	550	320	930	0	0	0	1,870	17,560
2033	2,620	80	6,990	5,000	550	320	950	0	0	0	2,090	18,600
2034	2,620	80	7,200	5,000	550	320	990	0	0	0	2,170	18,930
2035	2,620	80	7,400	5,000	550	320	1,030	0	0	0	2,200	19,200
2036	2,620	80	7,400	5,000	550	320	1,040	0	0	0	2,210	19,220
2037	2,620	80	7,400	5,000	550	320	1,070	0	0	0	2,220	19,260
2038	2,620	80	7,400	5,000	550	320	1,090	0	0	0	2,220	19,280
2039	2,620	80	7,400	5,000	550	320	1,110	0	0	0	2,220	19,300
2040	2,620	80	7,400	5,000	550	320	1,110	0	0	0	2,220	19,300

Table I-14: Large Loads Forecast

Includes Existing and Future Impacts of Large Load Projects

Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	250	5	0	166	13	0	32	0	0	0	0	466
2026	335	11	72	518	15	0	72	0	0	0	0	1,023
2027	335	11	168	647	30	40	93	0	0	0	5	1,329
2028	335	11	288	647	41	40	104	0	0	0	34	1,500
2029	335	11	442	651	54	40	107	0	0	0	78	1,718
2030	335	11	653	651	70	40	110	0	0	0	135	2,005
2031	335	11	768	651	70	40	113	0	0	0	185	2,173
2032	335	11	883	651	70	40	117	0	0	0	229	2,336
2033	335	11	998	651	70	40	120	0	0	0	259	2,484
2034	335	11	1,027	651	70	40	124	0	0	0	271	2,529
2035	335	11	1,056	651	70	40	129	0	0	0	275	2,567
2036	335	11	1,056	651	70	40	132	0	0	0	277	2,572
2037	335	11	1,056	651	70	40	135	0	0	0	278	2,576
2038	335	11	1,056	651	70	40	138	0	0	0	279	2,580
2039	335	11	1,056	651	70	40	141	0	0	0	280	2,584
2040	335	11	1,056	651	70	40	142	0	0	0	280	2,585

Table I-14: Large Loads Forecast

Includes Existing and Future Impacts of Large Load Projects

Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	250	5	0	177	14	0	32	0	0	0	0	478
2026-27	335	11	72	582	23	0	72	0	0	0	0	1,095
2027-28	335	11	168	647	36	40	93	0	0	0	17	1,347
2028-29	335	11	288	651	48	40	104	0	0	0	90	1,567
2029-30	335	11	442	651	62	40	107	0	0	0	174	1,822
2030-31	335	11	653	651	70	40	110	0	0	0	236	2,106
2031-32	335	11	768	651	70	40	113	0	0	0	281	2,269
2032-33	335	11	883	651	70	40	117	0	0	0	315	2,422
2033-34	335	11	998	651	70	40	120	0	0	0	334	2,559
2034-35	335	11	1,027	651	70	40	124	0	0	0	342	2,600
2035-36	335	11	1,056	651	70	40	129	0	0	0	344	2,636
2036-37	335	11	1,056	651	70	40	132	0	0	0	345	2,640
2037-38	335	11	1,056	651	70	40	135	0	0	0	346	2,644
2038-39	335	11	1,056	651	70	40	138	0	0	0	346	2,647
2039-40	335	11	1,056	651	70	40	141	0	0	0	346	2,650
2040-41	335	11	1,056	651	70	40	142	0	0	0	346	2,651

Table I-14: Large Loads Forecast

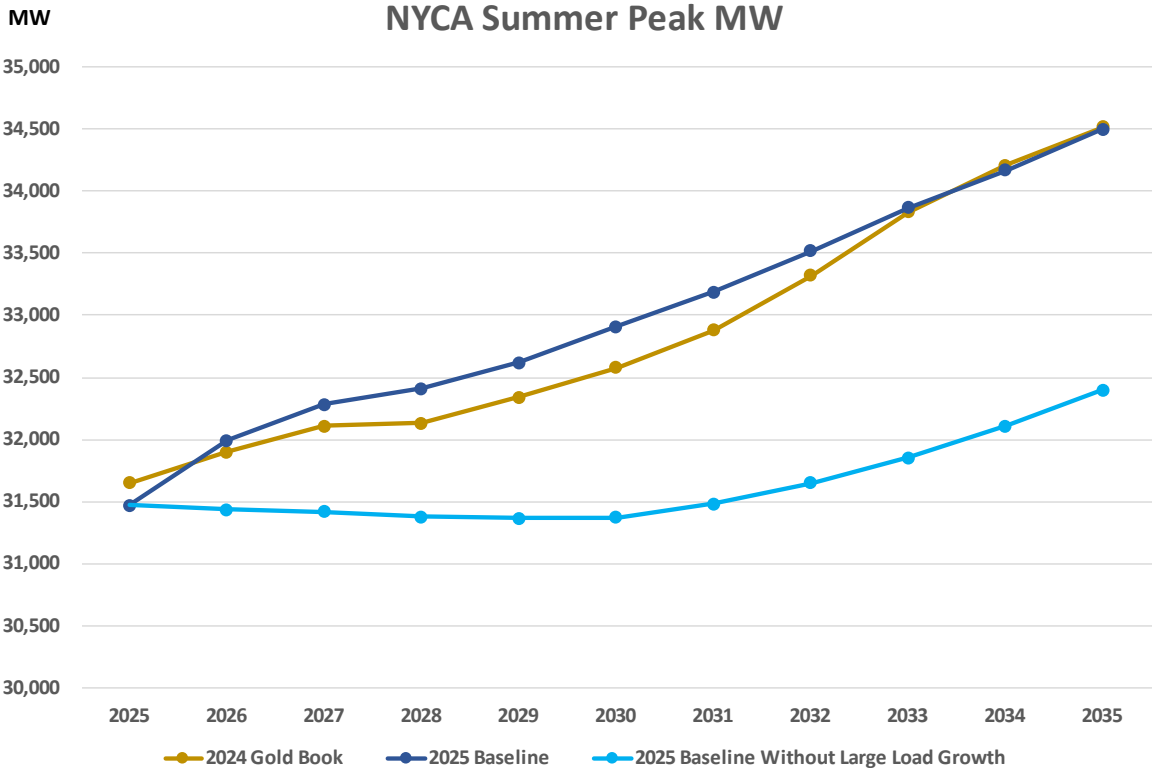
Includes Existing and Future Impacts of Large Load Projects

Flexible Load by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	250	0	0	166	0	0	0	0	0	0	0	416
2026	250	0	0	435	0	0	0	0	0	0	0	685
2027	250	0	0	435	0	0	0	0	0	0	0	685
2028	250	0	0	435	0	0	0	0	0	0	0	685
2029	250	0	0	435	0	0	0	0	0	0	0	685
2030	250	0	0	435	0	0	0	0	0	0	0	685
2031	250	0	0	435	0	0	0	0	0	0	0	685
2032	250	0	0	435	0	0	0	0	0	0	0	685
2033	250	0	0	435	0	0	0	0	0	0	0	685
2034	250	0	0	435	0	0	0	0	0	0	0	685
2035	250	0	0	435	0	0	0	0	0	0	0	685
2036	250	0	0	435	0	0	0	0	0	0	0	685
2037	250	0	0	435	0	0	0	0	0	0	0	685
2038	250	0	0	435	0	0	0	0	0	0	0	685
2039	250	0	0	435	0	0	0	0	0	0	0	685
2040	250	0	0	435	0	0	0	0	0	0	0	685

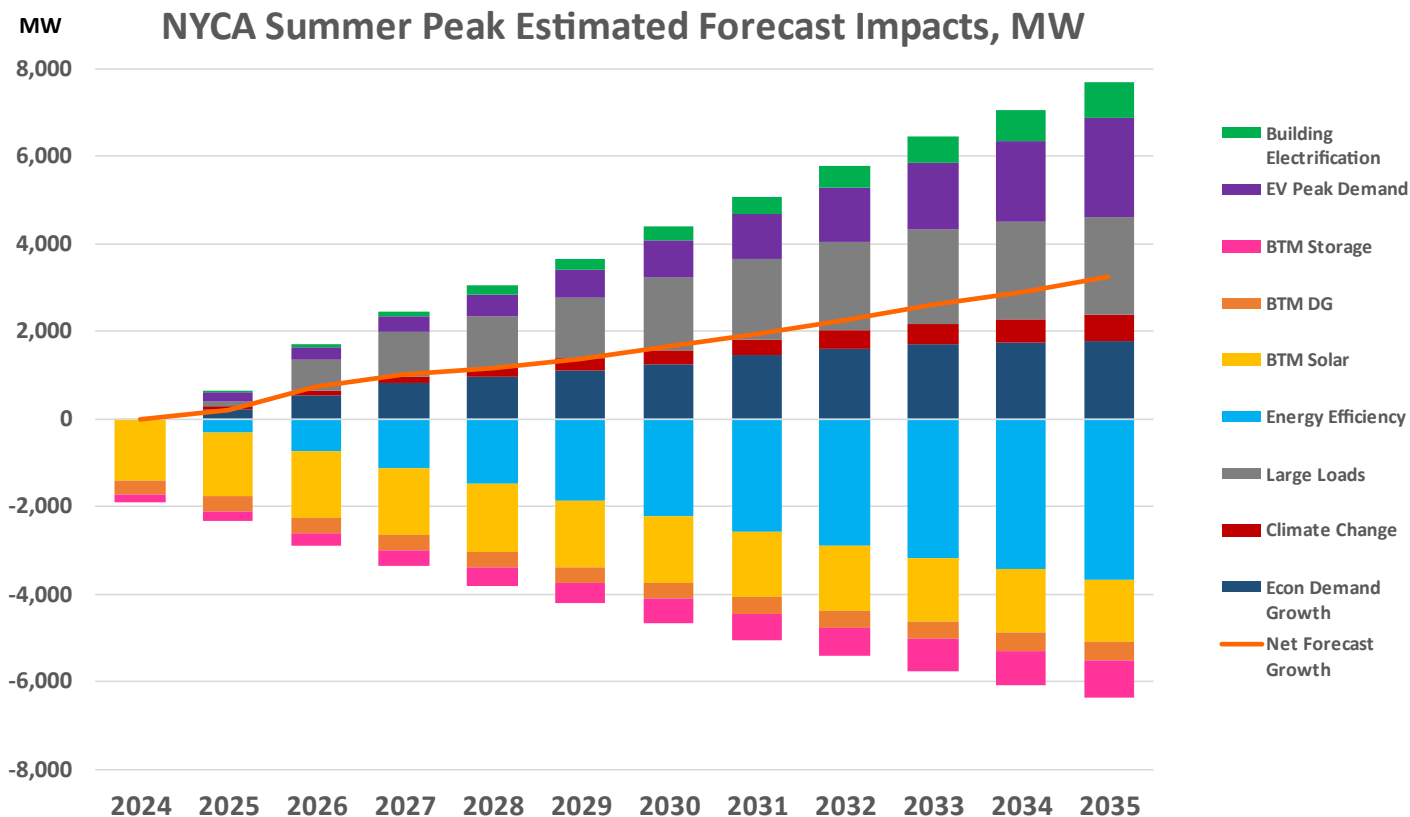
10-Year Summer Peak Forecast

NYCA Baseline Summer Peak Forecast



(No additional large load growth beyond 2025)

Summer	24 GB	25 Baseline	25 w/o LLs
2025	31,650	31,471	31,471
2026	31,900	31,990	31,433
2027	32,110	32,280	31,417
2028	32,130	32,410	31,376
2029	32,340	32,620	31,368
2030	32,580	32,910	31,371
2031	32,880	33,190	31,483
2032	33,320	33,520	31,650
2033	33,830	33,870	31,852
2034	34,210	34,170	32,107
2035	34,520	34,500	32,399



	Economy	Large Loads	Climate	EE	BTM Solar	BTM DG	BTM Storage	EV	Electrification	Net Impact	Forecast Growth
Annual Impact:	0.5%	0.7%	0.2%	-1.1%	-0.4%	-0.1%	-0.2%	0.7%	0.2%	0.4%	0.9%

Final 2025 Gold Book Forecast

Table I-3a: Baseline Summer Coincident Peak Demand Forecast

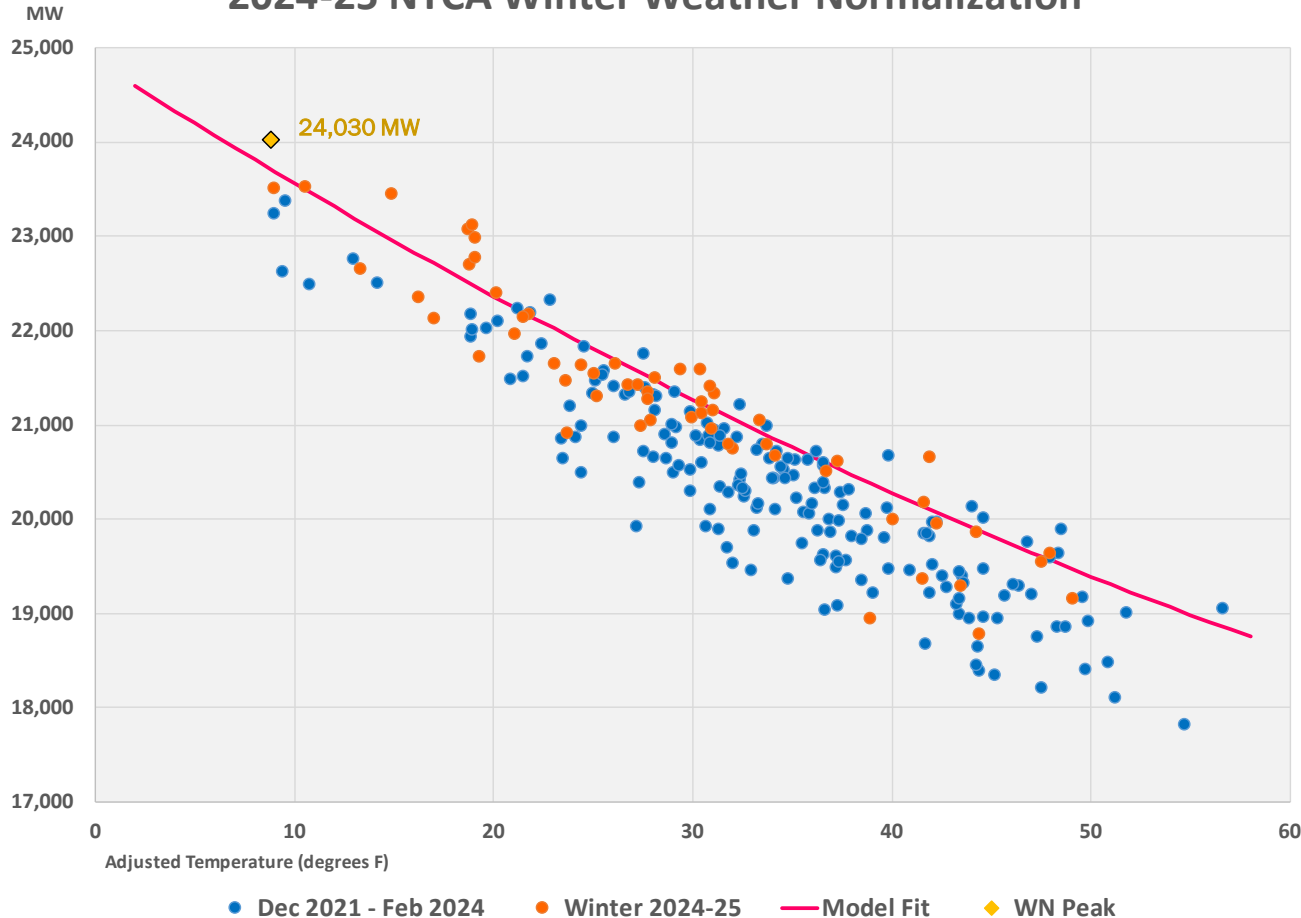
Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	2,864	1,855	2,516	691	1,310	2,269	2,264	619	1,316	10,764	5,003	31,471
2026	2,943	1,854	2,568	1,042	1,298	2,255	2,304	620	1,320	10,790	4,996	31,990
2027	2,936	1,846	2,639	1,171	1,293	2,275	2,331	625	1,327	10,820	5,017	32,280
2028	2,925	1,834	2,737	1,173	1,293	2,265	2,344	625	1,336	10,840	5,038	32,410
2029	2,920	1,826	2,876	1,179	1,296	2,264	2,346	627	1,343	10,860	5,083	32,620
2030	2,917	1,821	3,062	1,180	1,307	2,267	2,347	627	1,351	10,880	5,151	32,910
2031	2,924	1,822	3,176	1,182	1,307	2,277	2,361	630	1,359	10,930	5,222	33,190
2032	2,932	1,826	3,291	1,185	1,314	2,290	2,388	635	1,368	11,010	5,281	33,520
2033	2,947	1,832	3,415	1,189	1,326	2,302	2,418	640	1,377	11,080	5,344	33,870
2034	2,961	1,839	3,465	1,192	1,343	2,322	2,451	646	1,385	11,170	5,396	34,170
2035	2,986	1,851	3,505	1,194	1,363	2,348	2,486	651	1,401	11,250	5,465	34,500

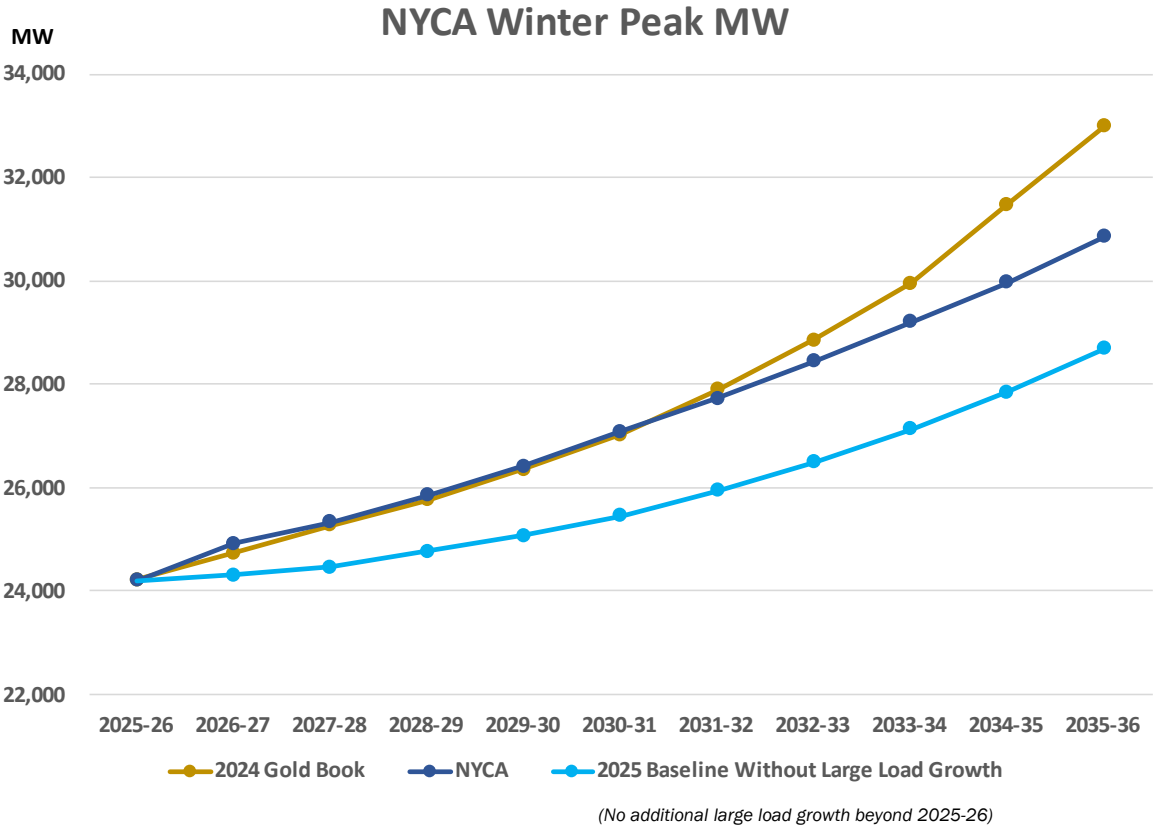
10-Year Winter Peak Forecast

2024-25 NYCA Winter Weather Normalization

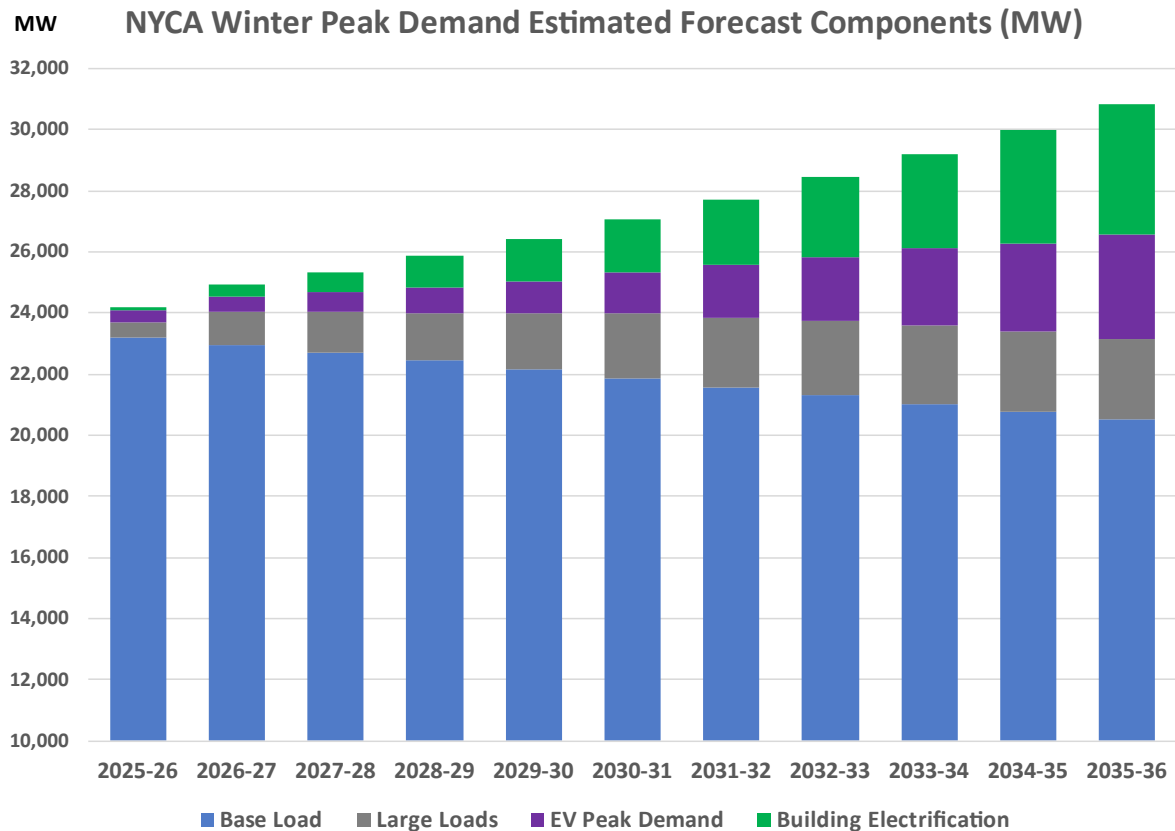


- NYCA-level regression model
- Regress winter weekday peak MW against adjusted temperature
- Adjusted temperature accounts for dry bulb and wind chill, with values similar to daily average temperature
- December through February data for the 2021-22, 2022-23, 2023-24, and 2024-25 winters
- Binaries for February and the 21-22, 22-23, and 23-24 winters
- Estimated impacts of demand response and other load responsive behavior during the peak and near-peak days & hours considered and added-back to the NYCA weather normalized winter peak
- The NYCA weather normalized winter peak load for 2024-25 is **24,030 MW**

Baseline Winter Peak Forecast



Winter	24 GB	25 Baseline	25 w/o LLs
2025-26	24,210	24,200	24,200
2026-27	24,730	24,920	24,303
2027-28	25,270	25,330	24,461
2028-29	25,760	25,850	24,761
2029-30	26,350	26,410	25,066
2030-31	27,020	27,080	25,452
2031-32	27,900	27,730	25,939
2032-33	28,850	28,440	26,496
2033-34	29,950	29,210	27,129
2034-35	31,480	29,970	27,848
2035-36	32,990	30,850	28,692



Note – base load includes impacts of economic growth, climate trends, energy efficiency, and BTM distributed energy resources.

	Base Load	EV	Electrification	Large Loads	Net Growth
Annual Impact:	-1.1%	1.3%	1.6%	0.9%	2.5%

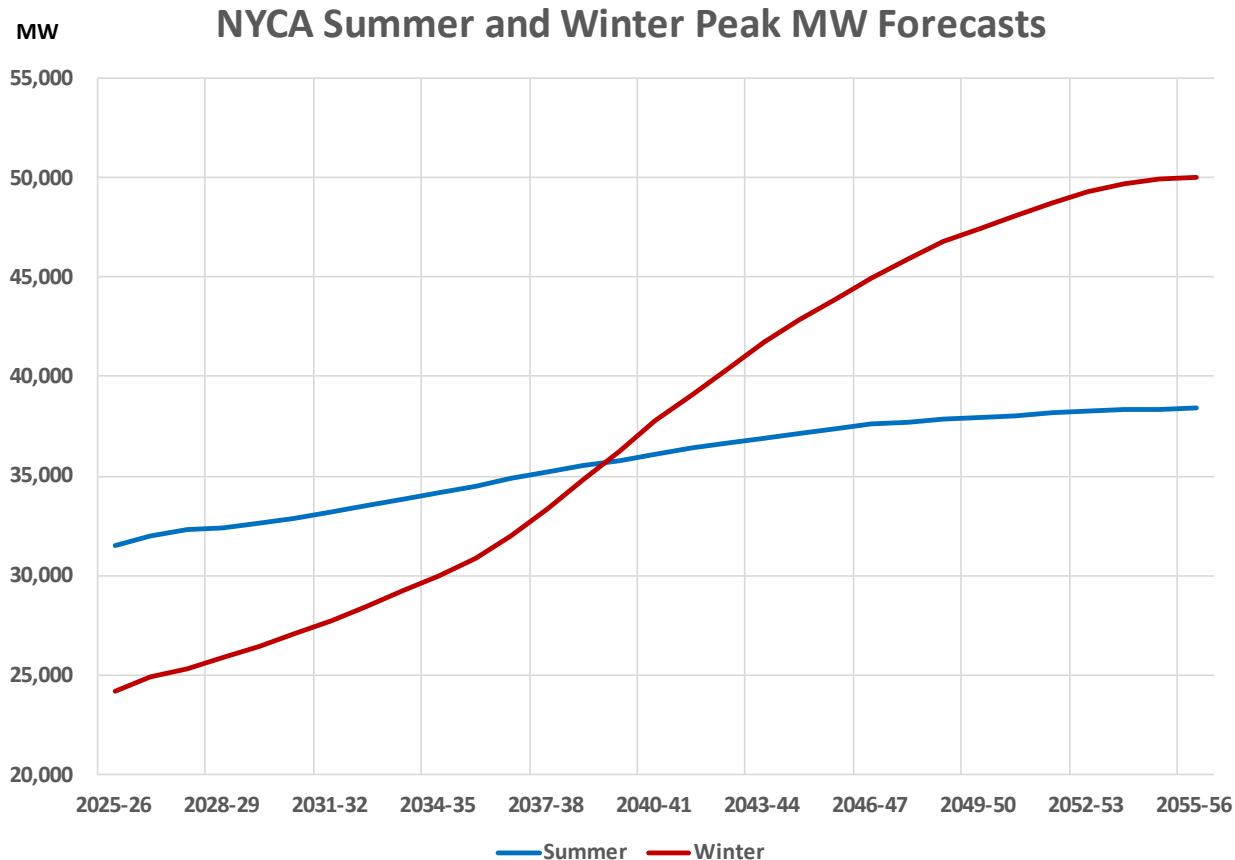
Final 2025 Gold Book Forecast

Table I-3b: Baseline Winter Coincident Peak Demand Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	2,235	1,513	2,510	843	1,331	1,912	1,611	522	941	7,530	3,252	24,200
2026-27	2,323	1,525	2,583	1,249	1,333	1,917	1,662	525	947	7,580	3,276	24,920
2027-28	2,329	1,531	2,688	1,316	1,343	1,939	1,701	528	956	7,650	3,349	25,330
2028-29	2,346	1,537	2,812	1,321	1,351	1,961	1,738	533	973	7,800	3,478	25,850
2029-30	2,361	1,540	2,966	1,322	1,374	1,988	1,771	539	989	7,930	3,630	26,410
2030-31	2,386	1,556	3,189	1,324	1,398	2,020	1,814	546	1,007	8,070	3,770	27,080
2031-32	2,421	1,575	3,323	1,328	1,422	2,060	1,862	554	1,026	8,240	3,919	27,730
2032-33	2,473	1,607	3,469	1,333	1,449	2,108	1,921	564	1,049	8,410	4,057	28,440
2033-34	2,533	1,639	3,618	1,337	1,482	2,175	1,988	574	1,076	8,610	4,178	29,210
2034-35	2,602	1,678	3,701	1,342	1,527	2,246	2,061	587	1,110	8,830	4,286	29,970
2035-36	2,670	1,720	3,781	1,347	1,592	2,325	2,141	602	1,144	9,120	4,408	30,850

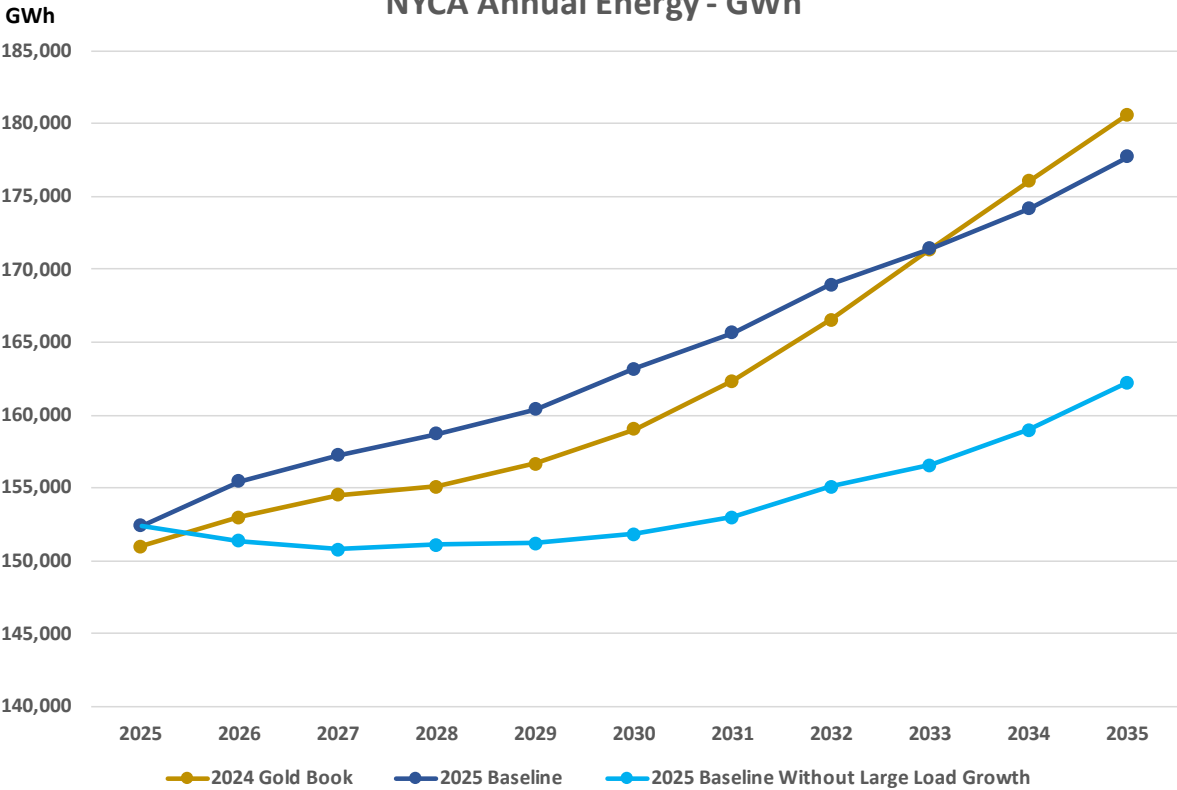


Due primarily to updates in heating electrification assumptions, the crossover to a winter annual peak is now projected to occur around 2040. However, there is a large degree of uncertainty as to the potential timing of a switch to a dual-peaking or winter-peaking system.

10-Year Annual Energy Forecast

Baseline Annual Energy Forecast

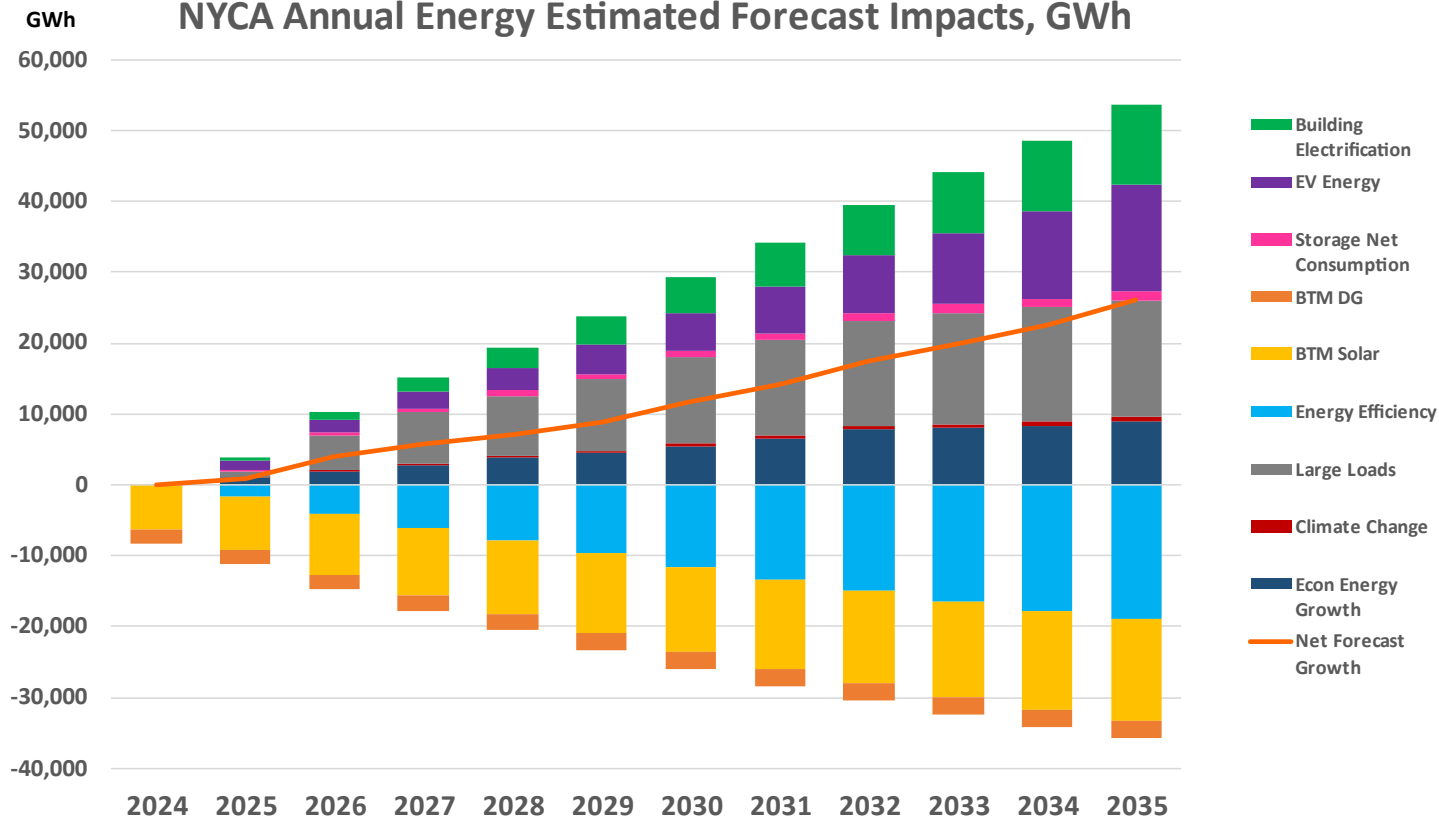
NYCA Annual Energy - GWh



(No additional large load growth beyond 2025)

Year	24 GB	25 Baseline	25 w/o LLs
2025	151,020	152,400	152,400
2026	152,990	155,460	151,370
2027	154,530	157,220	150,810
2028	155,100	158,700	151,120
2029	156,660	160,370	151,190
2030	159,050	163,200	151,820
2031	162,360	165,640	152,970
2032	166,530	168,950	155,100
2033	171,380	171,430	156,540
2034	176,040	174,180	158,960
2035	180,640	177,740	162,250

NYCA Annual Energy Estimated Forecast Impacts, GWh



	<i>Large</i> <i>Economy</i>	<i>Large</i> <i>Loads</i>	<i>Climate</i>	<i>EE</i>	<i>BTM</i> <i>Solar</i>	<i>BTM</i> <i>DG</i>	<i>BTM</i> <i>Storage</i>	<i>EV</i>	<i>Electrific</i> <i>ation</i>	<i>Net</i> <i>Impact</i>	<i>Forecast</i> <i>Growth</i>
Annual Impact:	0.5%	1.0%	0.04%	-1.1%	-0.9%	-0.2%	0.1%	0.9%	0.7%	1.1%	1.6%

Table I-2: Baseline Annual Energy Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Annual Energy by Zone - GWh

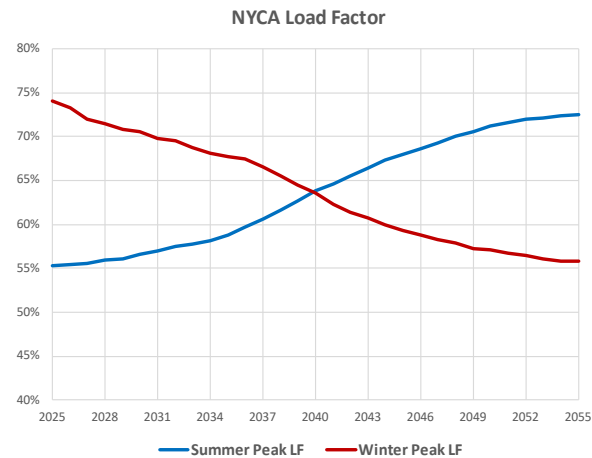
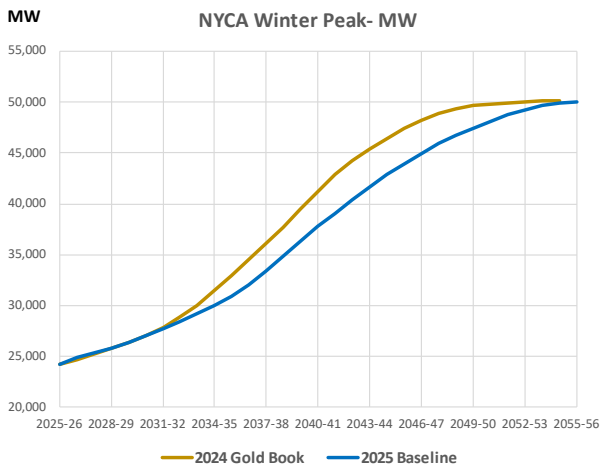
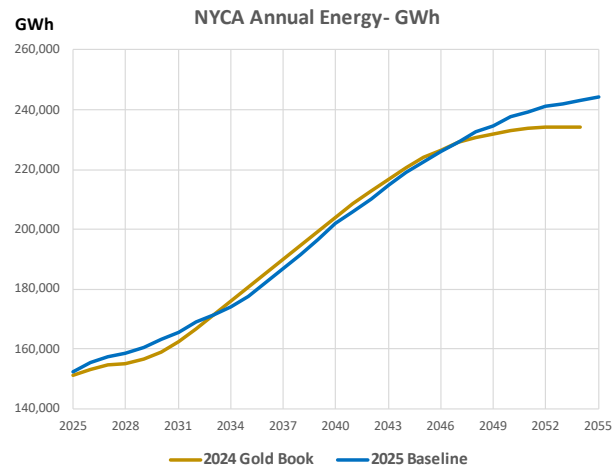
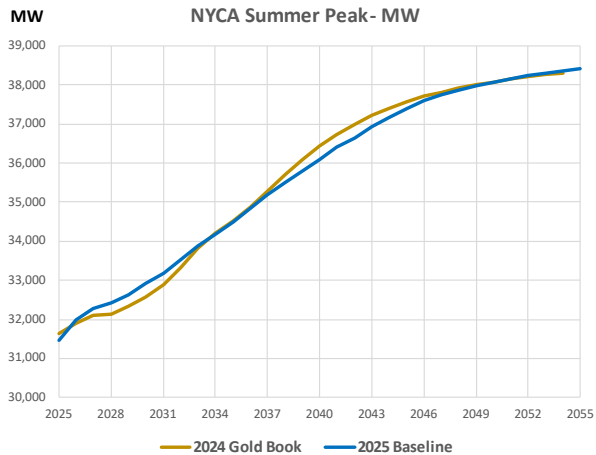
Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	15,690	9,420	14,620	5,670	7,380	11,580	9,480	2,770	5,890	49,900	20,000	152,400
2026	16,170	9,280	14,790	8,310	7,190	11,240	9,640	2,790	5,910	50,100	20,040	155,460
2027	16,160	9,150	15,200	9,280	7,130	11,410	9,830	2,800	5,950	50,260	20,050	157,220
2028	16,150	9,080	15,860	9,300	7,150	11,380	10,000	2,810	6,030	50,530	20,410	158,700
2029	16,120	9,000	16,750	9,270	7,160	11,360	10,060	2,820	6,080	50,730	21,020	160,370
2030	16,150	8,980	18,140	9,260	7,250	11,410	10,150	2,840	6,150	51,110	21,760	163,200
2031	16,210	8,990	18,890	9,250	7,310	11,500	10,280	2,880	6,240	51,540	22,550	165,640
2032	16,380	9,070	19,770	9,250	7,390	11,680	10,510	2,930	6,360	52,230	23,380	168,950
2033	16,480	9,120	20,580	9,250	7,450	11,820	10,700	2,960	6,450	52,610	24,010	171,430
2034	16,700	9,230	20,920	9,260	7,580	12,060	11,000	3,020	6,580	53,290	24,540	174,180
2035	16,990	9,400	21,330	9,270	7,770	12,380	11,370	3,090	6,740	54,110	25,290	177,740

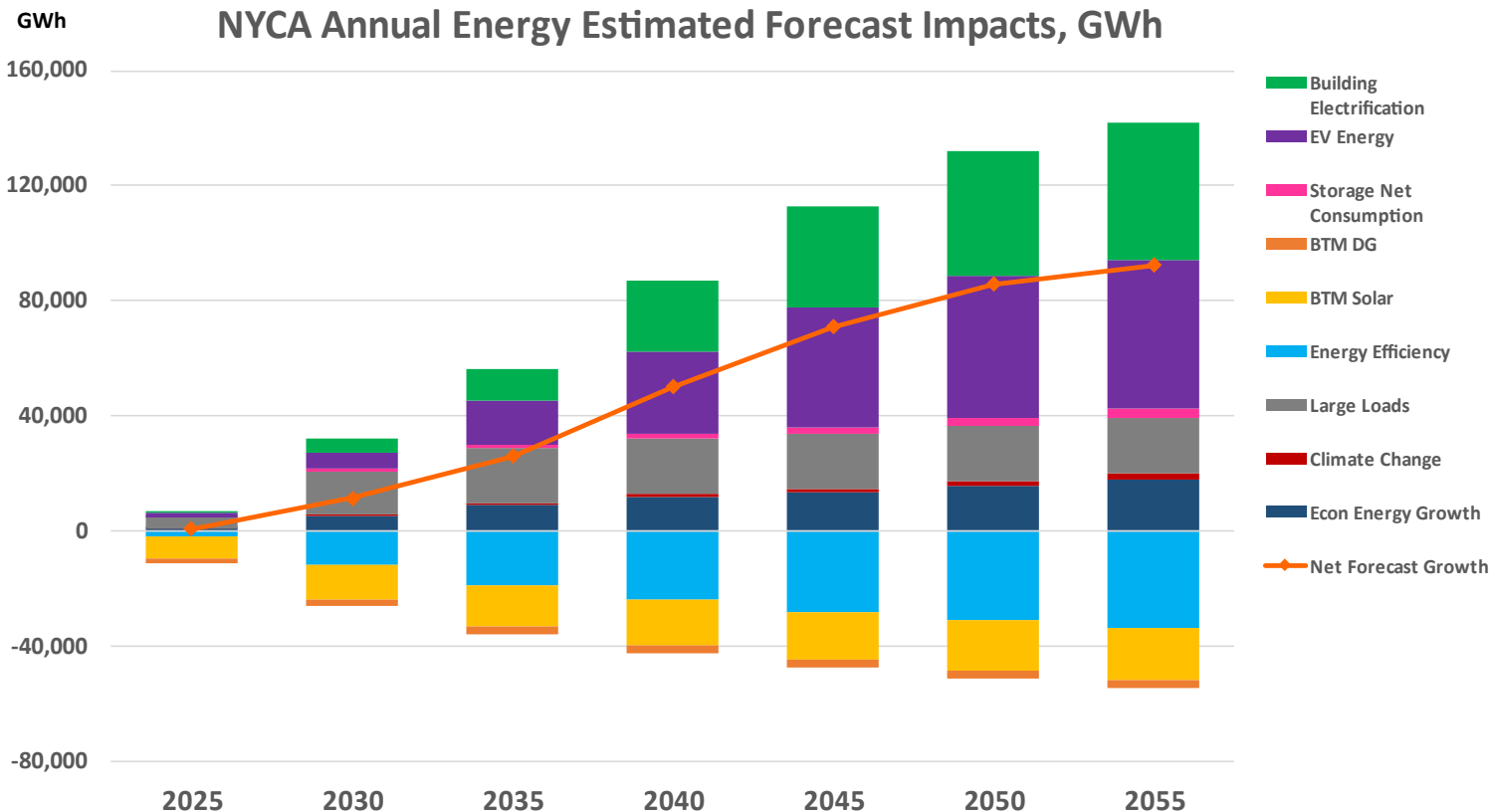
30-Year Forecast Summary

NYCA Summary of 2036 to 2056 Forecasts

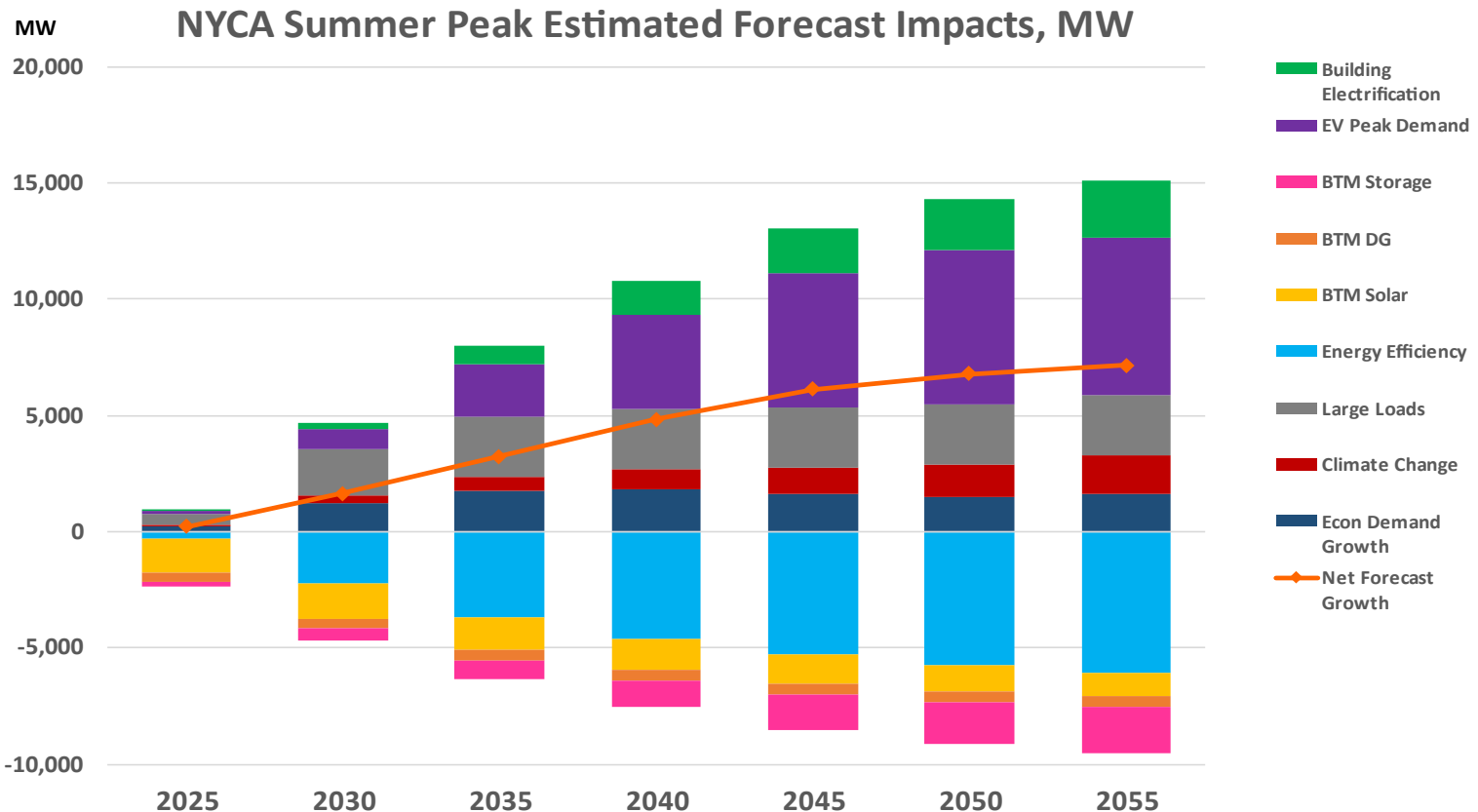
Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation,
Electrification, & Large Loads

Year	Energy (GWh)	Summer Peak (MW)	Winter	Winter Peak (MW)
2036	182,350	34,850	2036-37	32,020
2037	186,730	35,180	2037-38	33,370
2038	191,670	35,510	2038-39	34,830
2039	196,660	35,810	2039-40	36,280
2040	201,870	36,100	2040-41	37,760
2041	206,040	36,400	2041-42	39,080
2042	210,190	36,650	2042-43	40,370
2043	214,610	36,920	2043-44	41,690
2044	219,160	37,170	2044-45	42,840
2045	222,550	37,400	2045-46	43,930
2046	226,100	37,590	2046-47	44,930
2047	229,180	37,740	2047-48	45,890
2048	232,470	37,870	2048-49	46,770
2049	234,680	37,980	2049-50	47,450
2050	237,510	38,060	2050-51	48,110
2051	239,310	38,150	2051-52	48,720
2052	241,220	38,240	2052-53	49,270
2053	242,090	38,310	2053-54	49,700
2054	243,180	38,370	2054-55	49,940
2055	244,100	38,430	2055-56	50,000



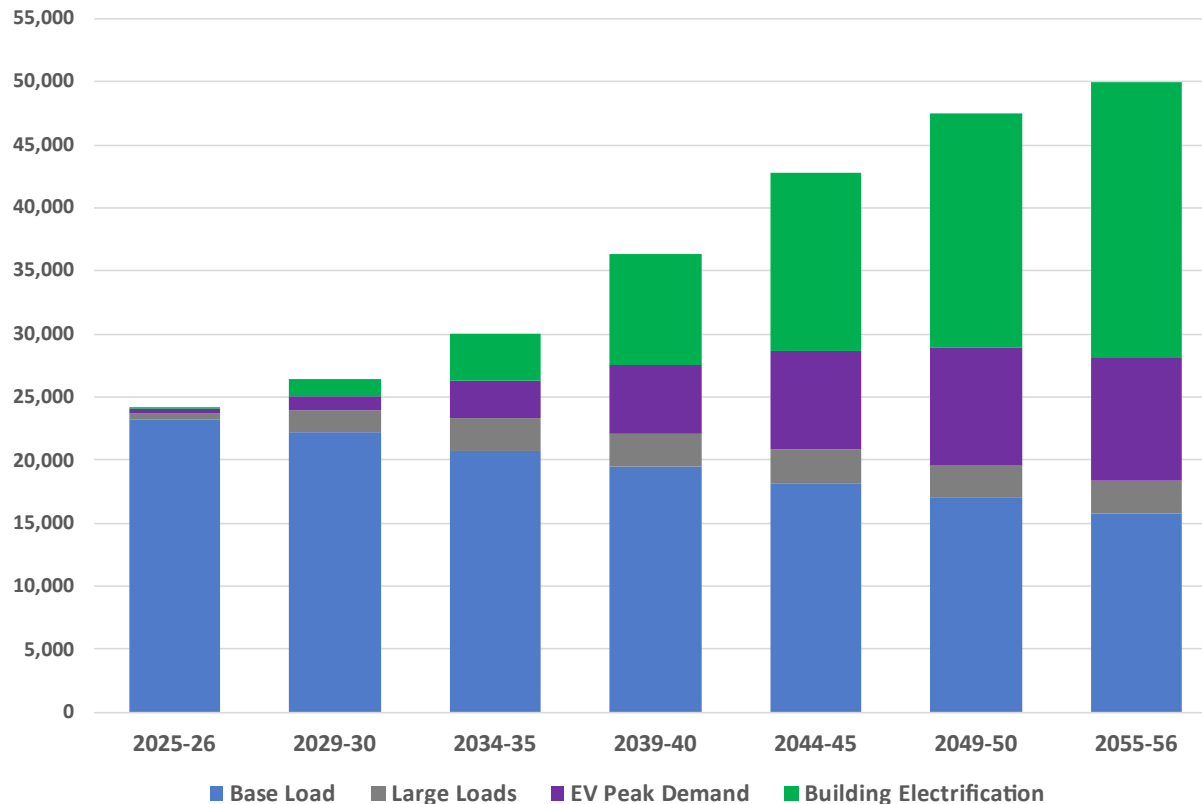


	Large Economy	Large Loads	Climate	EE	BTM Solar	BTM DG	BTM Storage	EV	Electrification	Net Impact	Forecast Growth
Annual Impact:	0.4%	0.4%	0.04%	-0.7%	-0.4%	-0.1%	0.1%	1.1%	1.0%	1.9%	2.0%



	Economy	Large Loads	Climate	EE	BTM Solar	BTM DG	BTM Storage	EV	Electrification	Net Impact	Forecast Growth
Annual Impact:	0.2%	0.3%	0.2%	-0.6%	-0.1%	0.0%	-0.2%	0.7%	0.3%	0.6%	0.7%

MW NYCA Winter Peak Demand Estimated Forecast Components (MW)



Note – base load includes impacts of economic growth, climate trends, energy efficiency, and BTM distributed energy resources.

	Base Load	EV	Electrification	Large Loads	Net Growth
Annual Impact:	-1.0%	1.3%	3.0%	0.4%	3.6%

2025 Forecast Scenarios

Planned 2025 Gold Book Scenarios

■ Lower Demand Scenario

- *Slower economic growth than the baseline forecast. Population and household forecasts match the baseline*
- *Slower EV adoption rate than the baseline forecast, with a greater share of managed charging (flexible load)*
- *Lower saturation and rate of electric heating adoption compared to the baseline forecast*
- *Reduced large load impacts relative to the baseline forecast*
- *Energy efficiency, BTM solar, distributed generation, and battery storage forecasts are same as the baseline*

■ Higher Demand Scenario

- *Faster economic growth than the baseline forecast, with population and household increases across the forecast horizon*
- *Broadly reflective of New York State electrification and decarbonization policy targets*
- *100% Light Duty Vehicle (LDV) and Medium & Heavy Duty Vehicle (MHDV) EV sales shares in 2035 & 2045 respectively. Lower share of managed charging than in the baseline*
- *85+% penetration of primary residential electric heating by 2050*
- *Additional large load growth beyond that included in the baseline forecast*
- *Annual energy forecast includes electrolysis impacts (clean hydrogen production)*
- *Energy efficiency, BTM solar, distributed generation, and battery storage forecasts are same as the baseline*

Additional Forecast Tables

Final 2025 Gold Book Forecast

Table I-4a: Baseline Summer Non-Coincident Peak Demand Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Non-Coincident Summer Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K
2025	3,010	1,901	2,595	713	1,345	2,324	2,315	633	1,346	11,005	5,079
2026	3,106	1,899	2,648	1,085	1,333	2,310	2,356	634	1,350	11,030	5,072
2027	3,099	1,891	2,722	1,219	1,328	2,331	2,384	639	1,357	11,060	5,094
2028	3,087	1,879	2,823	1,221	1,328	2,320	2,397	639	1,366	11,080	5,115
2029	3,082	1,871	2,966	1,227	1,331	2,319	2,399	641	1,373	11,100	5,161
2030	3,079	1,865	3,158	1,228	1,342	2,322	2,400	641	1,381	11,120	5,230
2031	3,086	1,866	3,275	1,230	1,342	2,333	2,415	644	1,389	11,170	5,302
2032	3,095	1,871	3,394	1,233	1,350	2,346	2,442	649	1,399	11,260	5,362
2033	3,111	1,877	3,522	1,238	1,362	2,358	2,473	654	1,408	11,330	5,426
2034	3,125	1,884	3,573	1,241	1,379	2,379	2,507	660	1,416	11,420	5,479
2035	3,152	1,896	3,615	1,243	1,400	2,405	2,542	665	1,432	11,500	5,549

Note: Uses non-coincident to coincident peak (NCP/CP) ratios from the 2025 Installed Capacity (ICAP) forecast.

Table I-4b: Baseline Winter Non-Coincident Peak Demand Forecast

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

Non-Coincident Winter Peak Demand by Zone - MW

Year	A	B	C	D	E	F	G	H	I	J	K
2025-26	2,262	1,524	2,520	860	1,356	1,925	1,616	533	947	7,580	3,265
2026-27	2,351	1,536	2,593	1,274	1,358	1,930	1,667	536	953	7,630	3,289
2027-28	2,357	1,542	2,699	1,342	1,369	1,953	1,706	539	962	7,700	3,362
2028-29	2,374	1,548	2,823	1,347	1,377	1,975	1,743	544	979	7,850	3,492
2029-30	2,389	1,551	2,978	1,348	1,400	2,002	1,776	550	995	7,990	3,645
2030-31	2,415	1,567	3,202	1,350	1,425	2,034	1,819	557	1,013	8,130	3,785
2031-32	2,450	1,586	3,336	1,355	1,449	2,074	1,868	566	1,032	8,300	3,935
2032-33	2,503	1,618	3,483	1,360	1,477	2,123	1,927	576	1,055	8,470	4,073
2033-34	2,563	1,650	3,632	1,364	1,510	2,190	1,994	586	1,082	8,670	4,195
2034-35	2,633	1,690	3,716	1,369	1,556	2,262	2,067	599	1,117	8,890	4,303
2035-36	2,702	1,732	3,796	1,374	1,622	2,341	2,147	615	1,151	9,180	4,426

Table I-5: Forecast of Baseline Peak Demand in G-to-J Locality

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

G-to-J Locality Summer Peak Demand by Zone - MW

Year	G	H	I	J	G-J
2025	2,300	629	1,338	10,939	15,206
2026	2,342	630	1,342	10,966	15,280
2027	2,369	635	1,349	10,996	15,349
2028	2,382	635	1,358	11,017	15,392
2029	2,384	637	1,365	11,037	15,423
2030	2,385	637	1,373	11,057	15,452
2031	2,399	640	1,381	11,108	15,528
2032	2,427	645	1,390	11,189	15,651
2033	2,457	650	1,399	11,261	15,767
2034	2,491	657	1,408	11,352	15,908
2035	2,527	662	1,424	11,433	16,046

G-to-J Locality Winter Peak Demand by Zone - MW

Year	G	H	I	J	G-J
2025-26	1,606	520	937	7,575	10,638
2026-27	1,657	523	943	7,625	10,748
2027-28	1,696	526	952	7,696	10,870
2028-29	1,733	531	969	7,847	11,080
2029-30	1,766	537	985	7,978	11,266
2030-31	1,809	544	1,003	8,118	11,474
2031-32	1,856	552	1,022	8,289	11,719
2032-33	1,915	562	1,045	8,460	11,982
2033-34	1,982	572	1,072	8,662	12,288
2034-35	2,055	585	1,106	8,883	12,629
2035-36	2,135	600	1,139	9,175	13,049

Note: Summer NCP/CP ratio from the 2025 ICAP forecast.

Table I-7a: 90th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

90th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	3,063	1,984	2,691	739	1,401	2,401	2,396	651	1,383	11,122	5,402	33,233
2026	3,147	1,983	2,746	1,114	1,388	2,386	2,438	652	1,387	11,149	5,394	33,784
2027	3,140	1,974	2,822	1,252	1,383	2,407	2,467	657	1,395	11,180	5,417	34,094
2028	3,128	1,961	2,927	1,254	1,383	2,397	2,481	657	1,404	11,201	5,439	34,232
2029	3,123	1,953	3,076	1,261	1,386	2,396	2,483	659	1,412	11,221	5,488	34,458
2030	3,120	1,948	3,275	1,262	1,398	2,399	2,484	659	1,420	11,242	5,561	34,768
2031	3,127	1,949	3,397	1,264	1,398	2,410	2,498	662	1,428	11,293	5,638	35,064
2032	3,136	1,953	3,520	1,267	1,405	2,423	2,527	667	1,438	11,376	5,702	35,414
2033	3,152	1,959	3,652	1,272	1,418	2,436	2,559	673	1,447	11,448	5,770	35,786
2034	3,167	1,967	3,706	1,275	1,436	2,457	2,594	679	1,456	11,541	5,826	36,104
2035	3,193	1,980	3,748	1,277	1,458	2,485	2,631	684	1,473	11,624	5,900	36,453

Note: Ratios based on Load Forecast Uncertainty distributions reviewed by Load Forecasting Task Force (LFTF) and New York State Reliability Council (NYSRC) Installed Capacity Subcommittee (ICS) in spring 2023 & retained in spring 2024.

Table I-7b: 10th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

10th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	2,657	1,721	2,334	641	1,215	2,084	2,080	550	1,169	9,807	4,605	28,863
2026	2,730	1,720	2,382	967	1,204	2,071	2,116	551	1,172	9,830	4,599	29,342
2027	2,724	1,713	2,448	1,086	1,200	2,090	2,141	555	1,178	9,858	4,618	29,611
2028	2,714	1,701	2,539	1,088	1,200	2,080	2,153	555	1,186	9,876	4,637	29,729
2029	2,709	1,694	2,668	1,094	1,202	2,080	2,155	557	1,193	9,894	4,679	29,925
2030	2,706	1,689	2,841	1,095	1,213	2,082	2,156	557	1,200	9,912	4,741	30,192
2031	2,713	1,690	2,946	1,097	1,213	2,091	2,169	559	1,207	9,958	4,807	30,450
2032	2,720	1,694	3,053	1,099	1,219	2,103	2,193	564	1,215	10,031	4,861	30,752
2033	2,734	1,700	3,168	1,103	1,230	2,114	2,221	568	1,223	10,094	4,919	31,074
2034	2,747	1,706	3,215	1,106	1,246	2,133	2,251	574	1,230	10,176	4,967	31,351
2035	2,770	1,717	3,252	1,108	1,264	2,157	2,283	578	1,244	10,249	5,030	31,652

Note: Ratios based on Load Forecast Uncertainty distributions reviewed by LFTF and NYSRC ICS in spring 2023 & retained in spring 2024.

Table I-7c: 90th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

90th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	2,331	1,578	2,618	879	1,388	1,994	1,680	544	981	7,854	3,392	25,239
2026-27	2,423	1,591	2,694	1,303	1,390	1,999	1,733	548	988	7,906	3,417	25,992
2027-28	2,431	1,598	2,806	1,374	1,402	2,024	1,776	551	998	7,987	3,496	26,443
2028-29	2,452	1,606	2,939	1,380	1,412	2,049	1,816	557	1,017	8,151	3,635	27,014
2029-30	2,472	1,612	3,105	1,384	1,439	2,081	1,854	564	1,035	8,303	3,801	27,650
2030-31	2,503	1,632	3,345	1,389	1,467	2,119	1,903	573	1,056	8,465	3,955	28,407
2031-32	2,547	1,657	3,496	1,397	1,496	2,167	1,959	583	1,079	8,668	4,123	29,172
2032-33	2,609	1,695	3,660	1,406	1,529	2,224	2,027	595	1,107	8,873	4,280	30,005
2033-34	2,677	1,732	3,824	1,413	1,566	2,299	2,101	607	1,137	9,101	4,416	30,873
2034-35	2,758	1,779	3,923	1,423	1,619	2,381	2,185	622	1,177	9,360	4,543	31,770
2035-36	2,838	1,828	4,019	1,432	1,692	2,471	2,276	640	1,216	9,695	4,686	32,793

Note: Values reflect Dynamic Winter Load Forecast Uncertainty (LFU) distributions used in the 2024 Reliability Needs Assessment (RNA).

Table I-7d: 10th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

10th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	2,123	1,437	2,385	801	1,264	1,816	1,530	496	894	7,154	3,089	22,989
2026-27	2,205	1,447	2,451	1,185	1,265	1,819	1,577	498	899	7,193	3,109	23,648
2027-28	2,208	1,451	2,548	1,248	1,273	1,838	1,613	501	906	7,252	3,175	24,013
2028-29	2,219	1,454	2,660	1,250	1,278	1,855	1,644	504	920	7,379	3,290	24,453
2029-30	2,229	1,454	2,800	1,248	1,297	1,877	1,672	509	934	7,486	3,427	24,933
2030-31	2,245	1,464	3,001	1,246	1,316	1,901	1,707	514	948	7,594	3,548	25,484
2031-32	2,266	1,474	3,110	1,243	1,331	1,928	1,743	519	960	7,713	3,668	25,955
2032-33	2,305	1,498	3,233	1,242	1,350	1,965	1,790	526	978	7,838	3,781	26,506
2033-34	2,351	1,521	3,358	1,241	1,375	2,018	1,845	533	999	7,990	3,877	27,108
2034-35	2,404	1,550	3,420	1,240	1,411	2,075	1,904	542	1,026	8,159	3,960	27,691
2035-36	2,456	1,582	3,479	1,239	1,465	2,139	1,970	554	1,052	8,390	4,055	28,381

Note: Values reflect Dynamic Winter LFU distributions used in the 2024 RNA.

Table I-7e: 99th Percentile Forecast of Baseline Summer Coincident Peak Demand due to Weather

Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

99th Percentile of Summer Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025	3,210	2,079	2,820	775	1,468	2,487	2,482	676	1,437	11,566	5,717	34,717
2026	3,299	2,078	2,879	1,168	1,455	2,472	2,526	677	1,441	11,594	5,709	35,298
2027	3,291	2,069	2,958	1,313	1,449	2,494	2,555	682	1,449	11,626	5,733	35,619
2028	3,279	2,056	3,068	1,315	1,449	2,483	2,570	682	1,458	11,647	5,757	35,764
2029	3,273	2,047	3,224	1,322	1,453	2,482	2,572	684	1,466	11,669	5,808	36,000
2030	3,270	2,041	3,432	1,323	1,465	2,485	2,573	684	1,475	11,690	5,886	36,324
2031	3,278	2,042	3,560	1,325	1,465	2,496	2,588	688	1,484	11,744	5,967	36,637
2032	3,287	2,047	3,689	1,328	1,473	2,510	2,618	693	1,493	11,830	6,035	37,003
2033	3,303	2,054	3,828	1,333	1,486	2,524	2,651	699	1,503	11,905	6,107	37,393
2034	3,319	2,061	3,884	1,336	1,505	2,545	2,687	705	1,512	12,002	6,166	37,722
2035	3,347	2,075	3,929	1,338	1,528	2,574	2,725	711	1,529	12,088	6,245	38,089

Note: Ratios based on Load Forecast Uncertainty distributions reviewed by LFTF and NYSRC ICS in spring 2023 & retained in spring 2024.

Table I-7f: 99th Percentile Forecast of Baseline Winter Coincident Peak Demand due to Weather

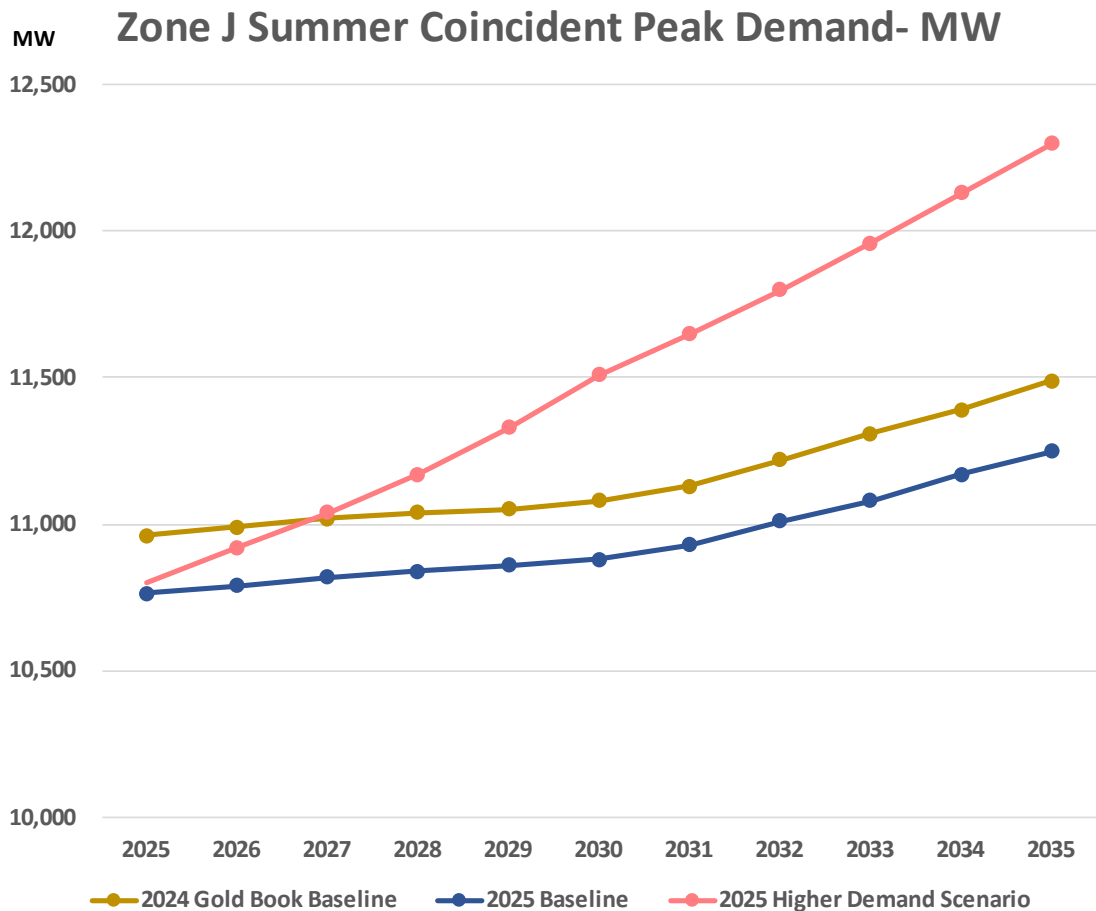
Includes Impacts of Energy Saving Programs, Behind-the-Meter Generation, Electrification, & Large Loads

99th Percentile of Winter Coincident Peak Demand due to Weather - MW

Year	A	B	C	D	E	F	G	H	I	J	K	NYCA
2025-26	2,427	1,643	2,726	915	1,445	2,076	1,750	567	1,022	8,178	3,532	26,281
2026-27	2,523	1,656	2,805	1,356	1,448	2,082	1,805	570	1,028	8,232	3,558	27,063
2027-28	2,534	1,666	2,925	1,432	1,461	2,110	1,851	574	1,040	8,323	3,644	27,560
2028-29	2,557	1,675	3,065	1,440	1,473	2,137	1,894	581	1,061	8,502	3,791	28,176
2029-30	2,581	1,683	3,242	1,445	1,502	2,173	1,936	589	1,081	8,667	3,968	28,867
2030-31	2,617	1,707	3,498	1,452	1,534	2,216	1,990	599	1,105	8,853	4,136	29,707
2031-32	2,670	1,737	3,665	1,465	1,568	2,272	2,054	611	1,132	9,089	4,323	30,586
2032-33	2,740	1,781	3,844	1,477	1,605	2,336	2,128	625	1,162	9,318	4,495	31,511
2033-34	2,819	1,824	4,027	1,488	1,649	2,421	2,213	639	1,198	9,583	4,650	32,511
2034-35	2,909	1,876	4,138	1,500	1,707	2,511	2,304	656	1,241	9,872	4,792	33,506
2035-36	2,998	1,932	4,246	1,513	1,788	2,611	2,404	676	1,285	10,242	4,950	34,645

Note: Values reflect Dynamic Winter LFU distributions used in the 2024 RNA.

Zone J Summer Peak Forecast



Final 2025 Gold Book Forecast

Zone J Summer Coincident Peak Demand Forecasts - MW

Year	2025 Gold Book Baseline	Higher Demand Scenario	2024 Gold Book Baseline
2025	10,764	10,800	10,960
2026	10,790	10,920	10,990
2027	10,810	11,040	11,020
2028	10,830	11,170	11,040
2029	10,860	11,330	11,050
2030	10,890	11,510	11,080
2031	10,940	11,650	11,130
2032	11,000	11,800	11,220
2033	11,080	11,960	11,310
2034	11,170	12,130	11,390
2035	11,250	12,300	11,490

Questions?

Our Mission and Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

