

Natural Gas Long-Term Capacity Report
Detailed Demand Scenario Assumptions

Incremental Energy Efficiency Assumptions in Demand Scenarios

Scenario	Parameter	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
Low Demand	Cumulative Design Day Gas demand reduction, MDth/day	(1)	(4)	(10)	(19)	(32)	(49)	(72)	(94)	(116)	(139)	(161)	(182)	(202)	(221)	(236)	(249)
Low Demand	Annual cost*, \$M/year	7.3	15.5	27.0	39.4	55.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
High Demand	Cumulative Design Day Gas demand reduction, MDth/day	(1)	(3)	(8)	(15)	(25)	(39)	(57)	(75)	(93)	(111)	(129)	(146)	(162)	(176)	(189)	(199)
High Demand	Annual cost*, \$M/year	7.3	15.5	27.0	39.4	55.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5

* Annual cost is shown for calendar year- e.g., in column 2019/20, the cost is shown for calendar year 2020

Incremental Demand Response Assumptions in Demand Scenarios

Scenario	Parameter	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34	2034/35
Low Demand	Cumulative Design Day Gas demand reduction, MDth/day	(9)	(13)	(20)	(27)	(33)	(36)	(39)	(41)	(43)	(45)	(47)	(48)	(50)	(51)	(52)	(53)
Low Demand	Annual cost*, \$M/year	4.5	4.8	5.8	6.8	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.2
High Demand	Cumulative Design Day Gas demand reduction, MDth/day	(9)	(10)	(13)	(17)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)
High Demand	Annual cost*, \$M/year	3.0	3.3	4.4	5.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7

* Annual cost is shown for the heating season- e.g., in column 2019/20, the cost is shown for 2019/20 heating season

Assumed heat pump annual installations under Electric Utility NENY targets in DNY territory in Demand Scenarios

Scenario	Area	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Low Demand	ConEd/KEDNY	0	150	420	600	909	1,304	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739
Low Demand	PSEGLI/KEDLI	0	300	420	600	909	1,304	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739	1,739
High Demand	ConEd/KEDNY	0	120	336	480	727	1,043	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391
High Demand	PSEGLI/KEDLI	0	240	336	480	727	1,043	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391	1,391

Assumed total incremental* heat pump annual installation in Demand Scenarios

Scenario	Area-Customer	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Low Demand	KEDNY-Residential	0	150	420	600	909	1,304	1,740	1,741	1,745	1,755	1,782	1,857	2,060	2,594	3,906	6,662	10,920
Low Demand	KEDNY-C&I	0	0	0	0	0	1	3	9	25	65	165	372	690	1,000	1,188	1,261	1,275
Low Demand	KEDNY-MF	0	0	0	0	0	0	1	4	10	28	71	165	311	459	557	603	623
Low Demand	KEDLI-Residential	0	300	420	600	909	1,304	1,739	1,740	1,743	1,751	1,771	1,828	1,983	2,390	3,396	5,515	8,803
Low Demand	KEDLI-C&I	0	0	0	0	0	0	0	0	1	4	11	28	75	189	427	791	791
Low Demand	KEDLI-MF	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	14	27
High Demand	KEDNY-Residential	0	120	336	480	727	1,043	1,391	1,392	1,394	1,401	1,417	1,462	1,584	1,906	2,699	4,366	6,956
High Demand	KEDNY-C&I	0	0	0	0	0	0	1	2	6	15	39	99	225	417	608	728	780
High Demand	KEDNY-MF	0	0	0	0	0	0	1	2	6	17	44	101	192	285	347	380	380
High Demand	KEDLI-Residential	0	240	336	480	727	1,043	1,391	1,392	1,394	1,398	1,411	1,445	1,538	1,784	2,392	3,676	5,680
High Demand	KEDLI-C&I	0	0	0	0	0	0	0	0	1	2	6	17	45	113	257	477	477
High Demand	KEDLI-MF	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	9	16

*Over and above current rates of heat pump installations through 2019 which are included in the baseline demand scenario