

I reviewed Extreme Temperature data for 3 Locales' airports.

They were Newark (EWR), Philadelphia (PHL), and Allentown (ABE).

The lowest recorded temperature in the past 30 years and year of observance for each locale and the record lowest temperature for each locale over the period of the load duration curves and year of record observance are set forth below.

Locale	Lowest Recorded Daily Average Temp Last 30 Yrs	Day of Lowest Temp	Lowest Recorded Temp of Load Duration Curve period	Year and Month of Observation during Load Duration Curve Period
Newark	-2	Jan 19, 1994	0	Feb 2016
Philadelphia	-5	Jan 19, 1994	4	Jan 2018
Allentown ¹	-11	Jan 19, 1994	-8	Feb 2015

Below are the highest demand days for each of the load duration curves and the average Gas Day Temperature for each of the 3 locales.

Highest Demand day of each of the 5 Load duration curves	NJ Scheduled Qty	Newark Avg Temperature	Philadelphia Temperature	Allentown Temperature
Feb 15, 2015	4,869,327	10	10	6
Feb 13, 2016	5,506,327	13	17	12
Dec 15, 2016	5,172,532	21	21	18
Jan 1, 2018	5,359,726	15	16	12
Jan 31, 2019	5,657,207	11	14	5

Below is the NJ Demand on each of the record lowest temperature days during the Load Duration curve period.

Date	Locale	Lowest Load Duration Curve Temperature	NJ Scheduled Qty
Feb 14, 2016	Newark	0	5,472,628
Jan 7, 2018	Philly	4	5,251,314
Feb 24, 2015	Allentown	-8	4,474,410

¹ Allentown's lowest temperature day in the last 30 years was Jan 21, 1994 when the temperature was negative 15 (-15) and was two days later when Newark and Philadelphia temperatures were higher.