

# Newington Energy, NH

## Facility Information

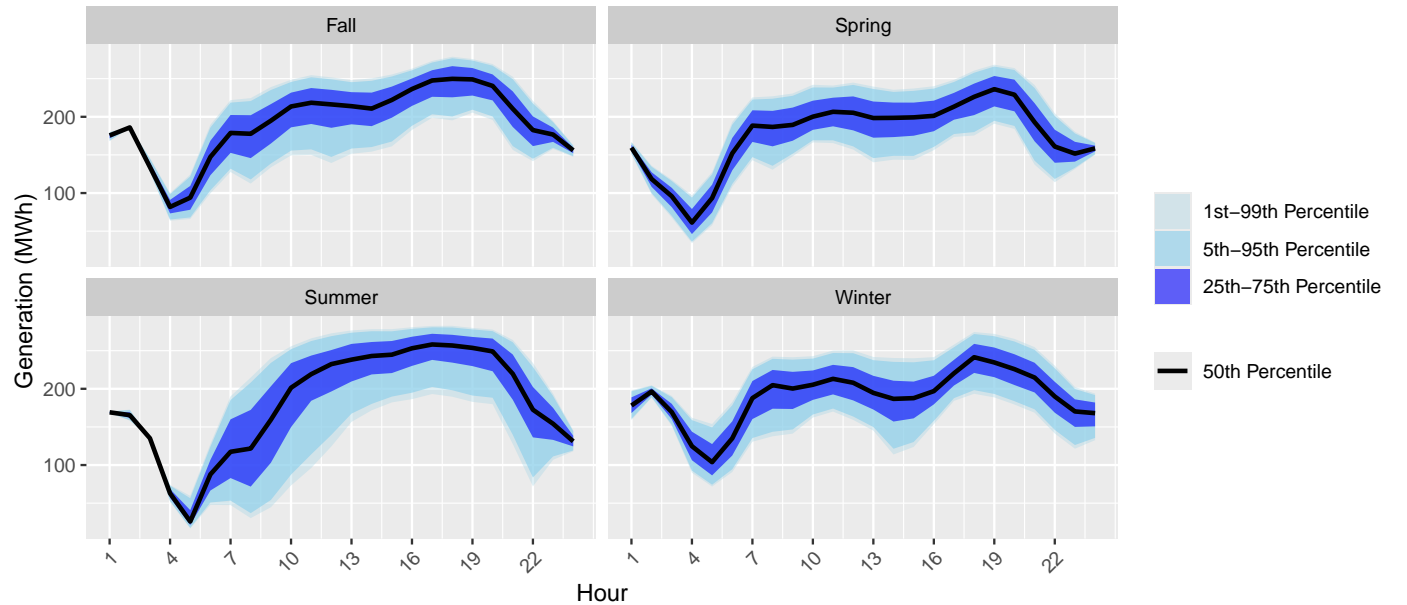
Facility ID: **55661**  
Unit ID: **2**  
State: **New Hampshire**  
County: **Rockingham County**  
Operating Status: **Operating**  
Primary fuel type: **Pipeline Natural Gas**  
Associated generators - nameplate capacity (MW): **ST (234.3), GT-2 (185.6)**  
Historical hourly generation (MWh): **201 [0-386]**  
Historical data availability: **Low**

**Table 1:** Simulated probabilistic estimation of annual generation and emissions for Newington Energy power plant, NH (Unit ID: 2).

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	1044.98	1084.69	1134.34	1269.43	1440.36	1585.16	1669.26	1697.50	1720.10
CO <sub>2</sub> emissions (thousand tons)	433.02	451.72	475.92	546.01	652.74	800.07	943.95	1006.03	1057.38
NO <sub>x</sub> emissions (thousand lbs)	77.62	82.56	89.77	117.39	194.61	473.00	866.16	1042.93	1190.57
SO <sub>2</sub> emissions (thousand lbs)	6.51	6.80	7.19	8.36	10.46	15.14	21.22	23.68	25.72
Heat input (thousand mmBtu)	7942.51	8202.79	8528.14	9414.76	10565.66	11527.95	12080.39	12264.02	12410.93

**Table 2:** Simulated probabilistic estimation of annual emission ratios for Newington Energy power plant, NH (Unit ID: 2) compared to simulated probabilistic estimation of annual emissions in the state.

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
CO <sub>2</sub> emissions (%)	7.87	7.80	7.72	7.74	8.03	8.87	9.77	9.91	10.01
NO <sub>x</sub> emissions (%)	1.22	1.24	1.28	1.44	1.98	3.96	5.87	6.37	6.72
SO <sub>2</sub> emissions (%)	0.13	0.13	0.13	0.12	0.12	0.16	0.20	0.22	0.23



**Figure 1:** Simulated probabilistic hourly electricity generation distribution across seasons, showing mean percentile ranges per hour for this facility unit.

Note: The emissions and generation tables and plot only include hours where EPA CAMD data was available for simulation; hours with missing data are excluded from calculations and plotting.