

# Merrimack, NH

## Facility Information

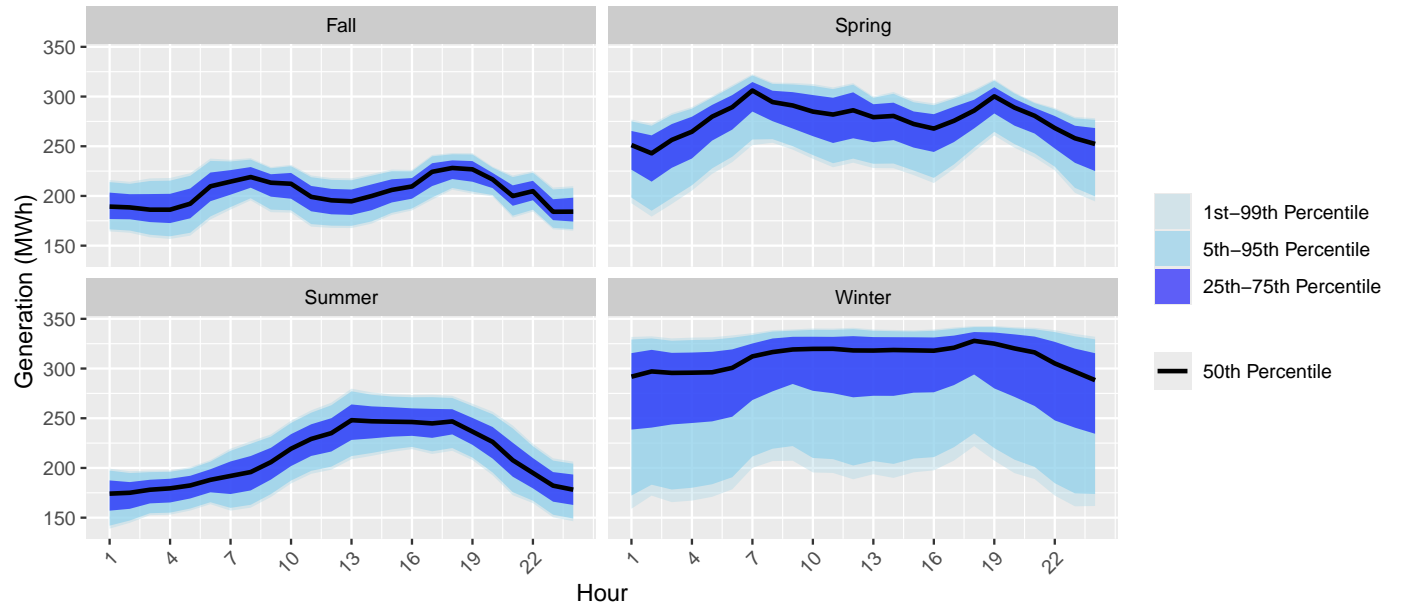
Facility ID: **2364**  
Unit ID: **2**  
State: **New Hampshire**  
County: **Merrimack County**  
Operating Status: **Operating**  
Primary fuel type: **Coal**  
Associated generators - nameplate capacity (MW): **2 (345.6)**  
Historical hourly generation (MWh): **267 [0-361]**  
Historical data availability: **Low**

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

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	1116.96	1156.66	1206.29	1351.35	1516.60	1599.84	1640.31	1653.71	1664.43
CO <sub>2</sub> emissions (thousand tons)	1093.52	1133.70	1185.02	1340.42	1535.03	1641.10	1724.34	1766.43	1800.48
NO <sub>x</sub> emissions (thousand lbs)	2469.48	2578.49	2724.31	3212.59	3961.44	4946.14	6174.69	6701.32	7128.97
SO <sub>2</sub> emissions (thousand lbs)	1198.51	1265.00	1355.51	1664.95	2172.50	2660.26	3032.05	3177.17	3294.50
Heat input (thousand mmBtu)	11269.50	11648.29	12121.78	13489.96	15010.86	15853.76	16370.27	16549.69	16693.22

**Table 2:** Simulated probabilistic estimation of annual emission ratios for Merrimack 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 (%)	19.88	19.58	19.23	19.00	18.89	18.20	17.85	17.39	17.05
NO <sub>x</sub> emissions (%)	38.71	38.71	38.71	39.44	40.33	41.39	41.87	40.93	40.26
SO <sub>2</sub> emissions (%)	23.12	23.36	23.66	24.51	25.29	27.69	28.80	28.89	28.94



**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.