

Merrimack, NH

Facility Information

Facility ID: **2364**
Unit ID: **1**
State: **New Hampshire**
County: **Merrimack County**
Operating Status: **Operating**
Primary fuel type: **Coal**
Associated generators - nameplate capacity (MW): **1 (113.6)**
Historical hourly generation (MWh): **99 [0-128]**
Historical data availability: **Low**

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

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	469.53	486.11	506.84	562.10	616.17	647.52	663.51	668.86	673.13
CO ₂ emissions (thousand tons)	452.11	469.07	490.85	552.55	622.72	651.48	665.78	685.37	701.32
NO _x emissions (thousand lbs)	1113.95	1165.11	1232.84	1448.43	1755.27	2054.12	2341.93	2516.12	2657.94
SO ₂ emissions (thousand lbs)	344.14	371.78	409.23	534.54	754.31	945.50	1102.23	1171.06	1226.70
Heat input (thousand mmBtu)	4740.78	4897.00	5092.27	5607.01	6130.36	6532.39	6824.74	6932.14	7018.06

Table 2: Simulated probabilistic estimation of annual emission ratios for Merrimack power plant, NH (Unit ID: 1) compared to simulated probabilistic estimation of annual emissions in the state.

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
CO ₂ emissions (%)	8.22	8.10	7.96	7.83	7.66	7.22	6.89	6.75	6.64
NO _x emissions (%)	17.46	17.49	17.52	17.78	17.87	17.19	15.88	15.37	15.01
SO ₂ emissions (%)	6.64	6.86	7.14	7.87	8.78	9.84	10.47	10.65	10.78

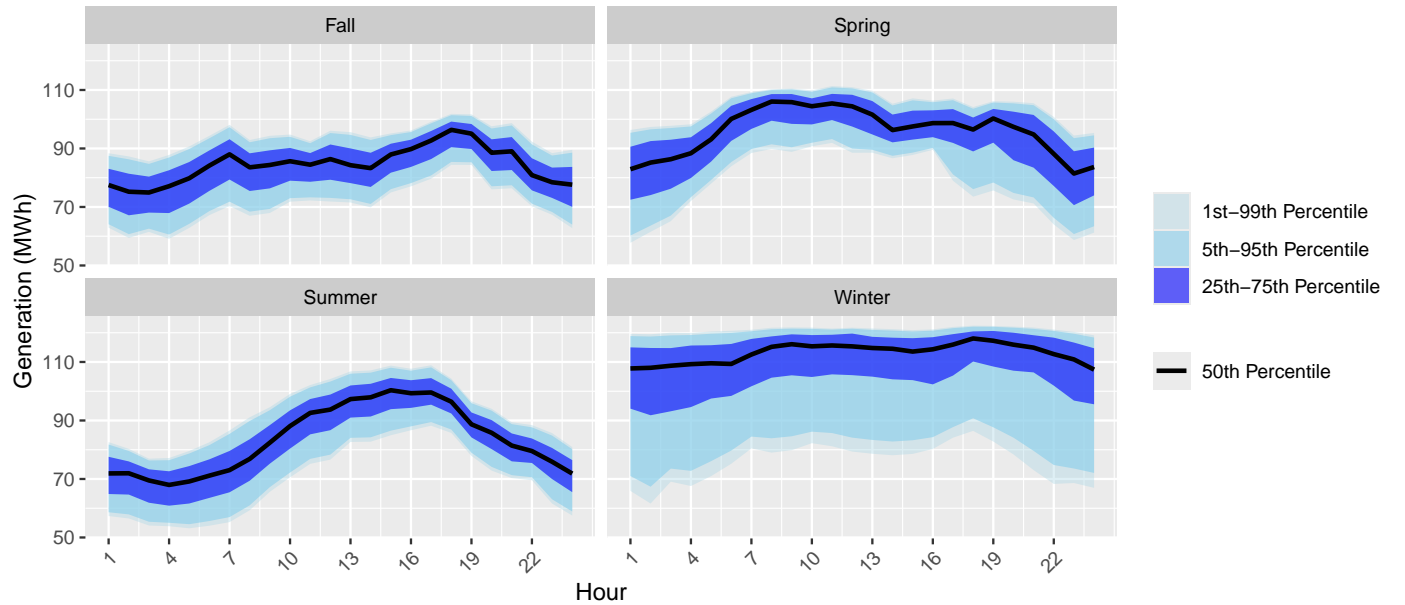


Figure 1: Simulated probabilistic hourly electricity generation distribution across seasons, showing mean percentile ranges per hour for this facility unit.

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.