

Merrimack, NH

Facility Information

Facility ID: **2364**
Unit ID: **CT1**
State: **New Hampshire**
County: **Merrimack County**
Operating Status: **Operating**
Primary fuel type: **Other Oil**
Associated generators - nameplate capacity (MW): **GT1 (18.6)**
Historical hourly generation (MWh): **8 [0-21]**
Historical data availability: **Low**

Table 1: Simulated probabilistic estimation of annual generation and emissions for Merrimack power plant, NH (Unit ID: CT1).

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	2.34	2.34	2.34	2.35	2.37	2.38	2.38	2.39	2.39
CO ₂ emissions (thousand tons)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO _x emissions (thousand lbs)	51.55	51.65	51.78	52.19	53.01	54.26	55.10	55.39	55.63
SO ₂ emissions (thousand lbs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heat input (thousand mmBtu)	70.17	70.17	70.17	70.17	70.17	70.17	70.17	70.17	70.17

Table 2: Simulated probabilistic estimation of annual emission ratios for Merrimack power plant, NH (Unit ID: CT1) compared to simulated probabilistic estimation of annual emissions in the state.

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
CO ₂ emissions (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NO _x emissions (%)	0.81	0.78	0.74	0.64	0.54	0.45	0.37	0.34	0.31
SO ₂ emissions (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

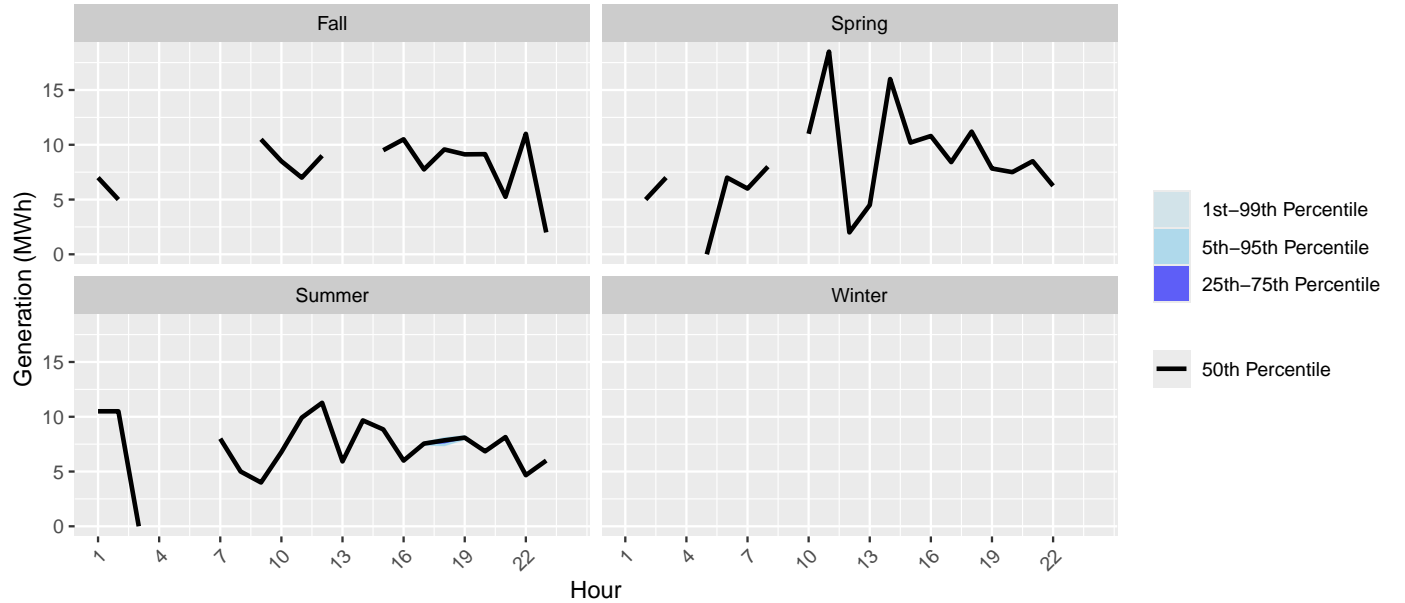


Figure 1: Simulated probabilistic hourly electricity generation distribution across seasons, showing mean percentile ranges per hour for this facility unit.

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.