

Merrimack, NH

Facility Information

Facility ID: **2364**
Unit ID: **CT2**
State: **New Hampshire**
County: **Merrimack County**
Operating Status: **Operating**
Primary fuel type: **Other Oil**
Associated generators - nameplate capacity (MW): **GT2 (18.6)**
Historical hourly generation (MWh): **8 [0-22]**
Historical data availability: **Low**

Table 1: Simulated probabilistic estimation of annual generation and emissions for Merrimack power plant, NH (Unit ID: CT2).

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	1.96	1.96	1.96	1.97	1.98	1.99	2.00	2.00	2.00
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)	45.00	45.08	45.20	45.62	46.60	47.91	48.87	49.21	49.50
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)	59.58	59.58	59.58	59.58	59.58	59.58	59.58	59.58	59.58

Table 2: Simulated probabilistic estimation of annual emission ratios for Merrimack power plant, NH (Unit ID: CT2) 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	0.0	0.00	0.0	0.00
NO _x emissions (%)	0.71	0.68	0.64	0.56	0.47	0.4	0.33	0.3	0.28
SO ₂ emissions (%)	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.00

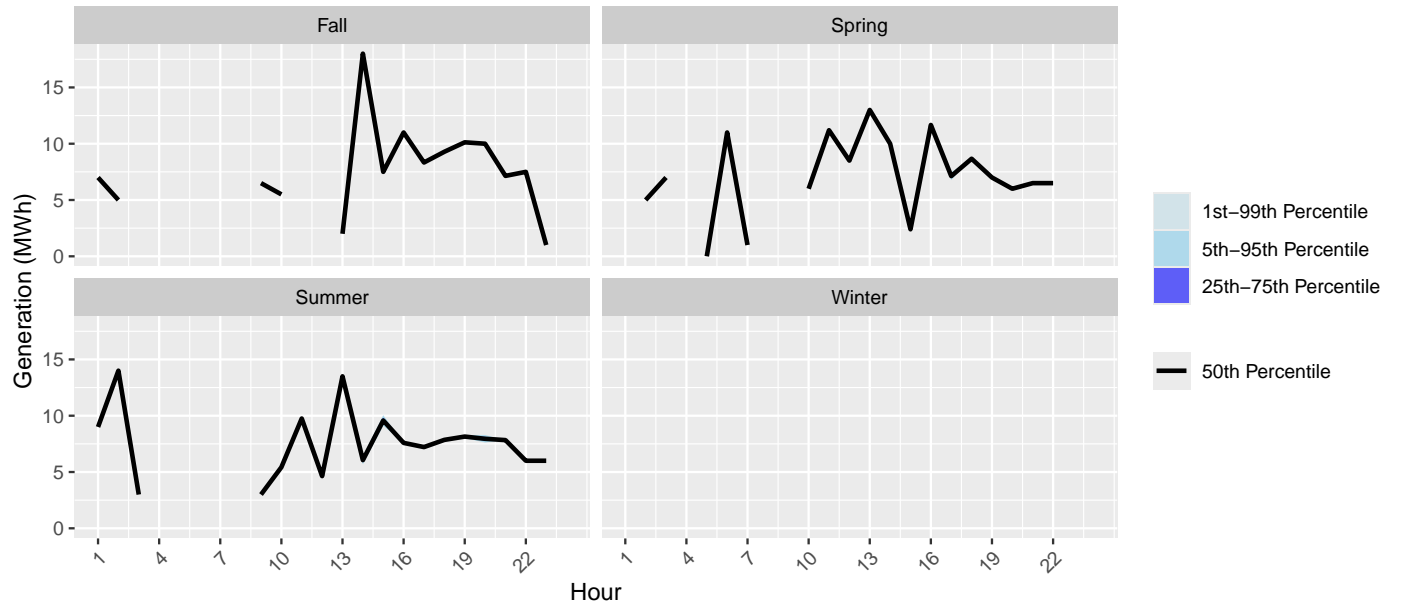


Figure 1: Simulated probabilistic hourly electricity generation distribution across seasons, showing mean percentile ranges per hour for this facility unit.

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.