

Newington, NH

Facility Information

Facility ID: 8002
Unit ID: 1
State: New Hampshire
County: Rockingham County
Operating Status: Operating
Primary fuel type: Residual Oil
Associated generators - nameplate capacity (MW): 1 (414)
Historical hourly generation (MWh): 145 [0-431]
Historical data availability: Low

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

Metric	P01	P05	P10	P25	P50	P75	P90	P95	P99
Electricity generation (GWh)	487.66	495.81	505.99	536.55	588.04	643.14	676.01	686.96	695.73
CO ₂ emissions (thousand tons)	437.49	443.36	451.10	476.91	529.75	583.72	631.88	649.28	663.67
NO _x emissions (thousand lbs)	1070.29	1084.10	1102.38	1164.03	1289.89	1414.89	1525.07	1564.69	1597.44
SO ₂ emissions (thousand lbs)	1812.43	1841.41	1880.40	2015.85	2299.76	2673.30	2984.65	3096.70	3189.31
Heat input (thousand mmBtu)	6533.43	6628.69	6747.77	7105.01	7701.67	8338.08	8718.04	8844.69	8946.01

Table 2: Simulated probabilistic estimation of annual emission ratios for Newington 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 (%)	7.95	7.66	7.32	6.76	6.52	6.47	6.54	6.39	6.28
NO _x emissions (%)	16.78	16.27	15.67	14.29	13.13	11.84	10.34	9.56	9.02
SO ₂ emissions (%)	34.97	34.00	32.82	29.68	26.77	27.83	28.35	28.15	28.02

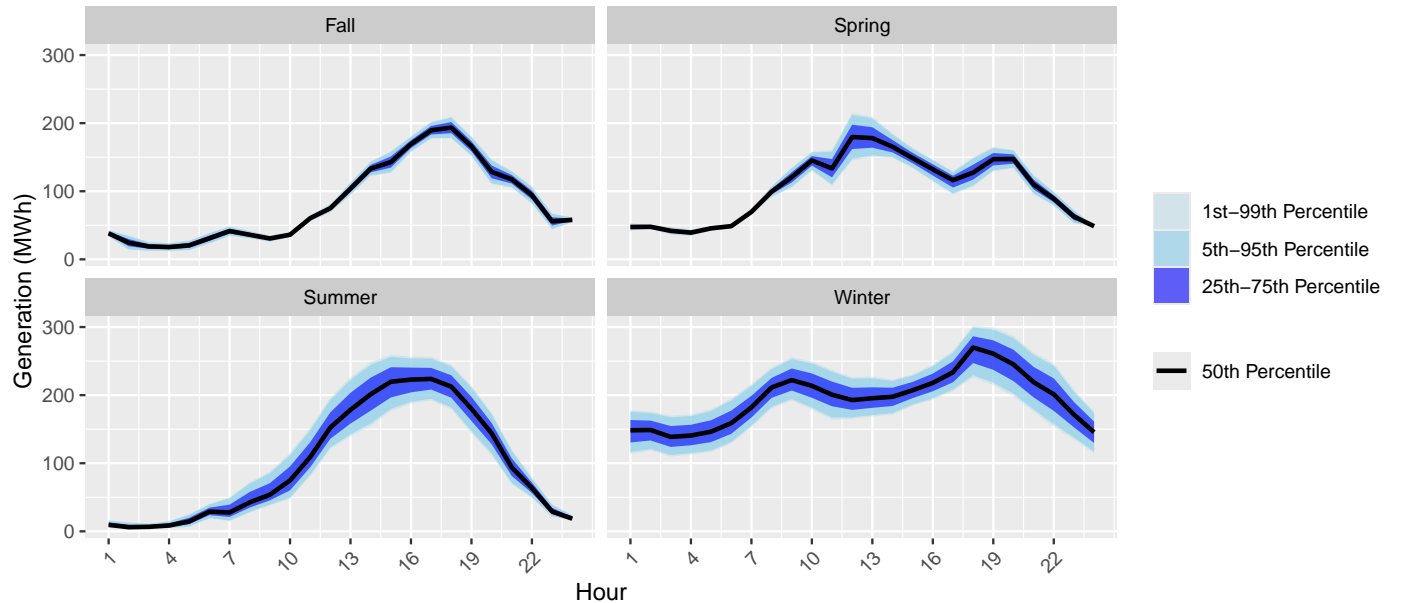


Figure 1: Simulated probabilistic hourly electricity generation distribution across seasons, showing mean percentile ranges per hour for this facility unit.

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.