Power Plant Data Highlights
2020 Data

SO_2
Down ⬇ 19% vs. 2019

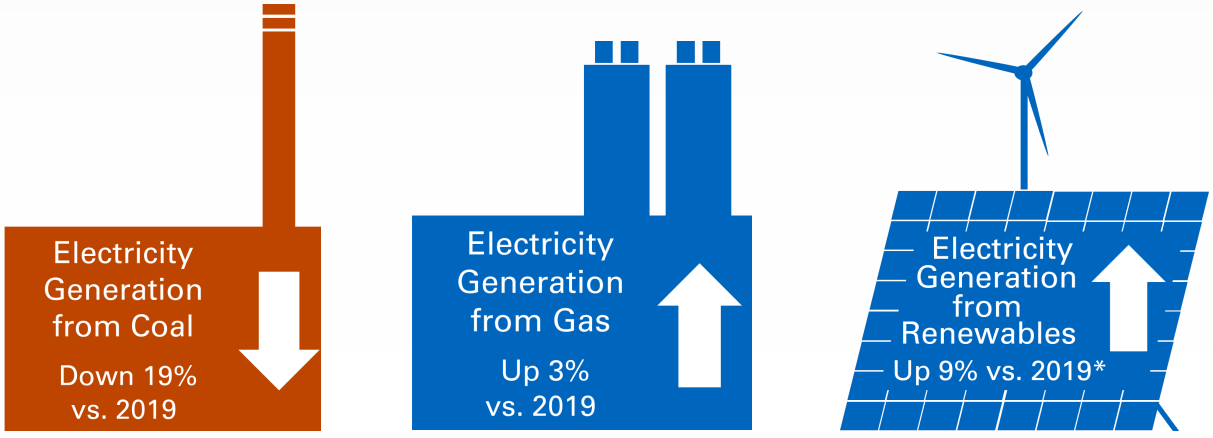
NO_x
Down ⬇ 16% vs. 2019

Ozone Season NO_x
Down ⬇ 10% vs. 2019

Hg
Down ⬇ 17% vs. 2019

CO_2
Down ⬇ 11% vs. 2019

Electricity Generation
Down 3% vs. 2019*



EPA 2020 power plant data show that emissions of nitrogen oxides (NO_x), sulfur dioxide (SO_2), carbon dioxide (CO_2), and mercury (Hg) declined markedly from 2019 levels.

*Based on data available from EIA

epa.gov/airmarkets/power-plant-emission-trends

Emissions and Electricity Generation Data

Emissions	2015	2016	2017	2018	2019	2020	2015 to 2020 Change
Annual SO_2 (million tons)	2.22	1.49	1.34	1.26	0.97	0.79	-64%
Annual NO_X (million tons)	1.38	1.20	1.07	1.03	0.88	0.74	-46%
CSAPR Update Ozone Season NO_X (million tons)	0.40	0.37	0.29	0.29	0.25	0.23	-43%
Annual Hg (tons)	N/A†	N/A†	4.5	4.0	3.5	3.0	-33%†
Annual CO_2 (billion tons)	2.09	1.99	1.92	1.93	1.77	1.58	-24%

†Complete data before 2017 not available

Generation (billion MWh)	2015	2016	2017	2018	2019	2020	2015 to 2020 Change
Coal Generation	1.43	1.32	1.29	1.23	1.03	0.83	-42%
Gas Generation	1.19	1.24	1.18	1.36	1.47	1.52	+27%
Renewable Generation*	0.54	0.61	0.69	0.71	0.73	0.79	+46%
Gross Generation*	4.08	4.08	4.03	4.18	4.13	4.01	-2%

*Based on data available from EIA

EPA's Clean Air Markets Division (CAMD) collects detailed emissions data and other operating information from power plants across the country under the Acid Rain Program (ARP), the Cross-State Air Pollution Rule (CSAPR), the CSAPR update, and the Mercury and Air Toxics Standards (MATS). CAMD updates summary emissions data every quarter and offers interactive tools to provide the public with access to high quality, relevant information.

Data Tools and Resources

Trends in Power Plant Emissions

Power Generation Data

Hourly Power Plant Data

Local Fuel Mix and Emission Rates