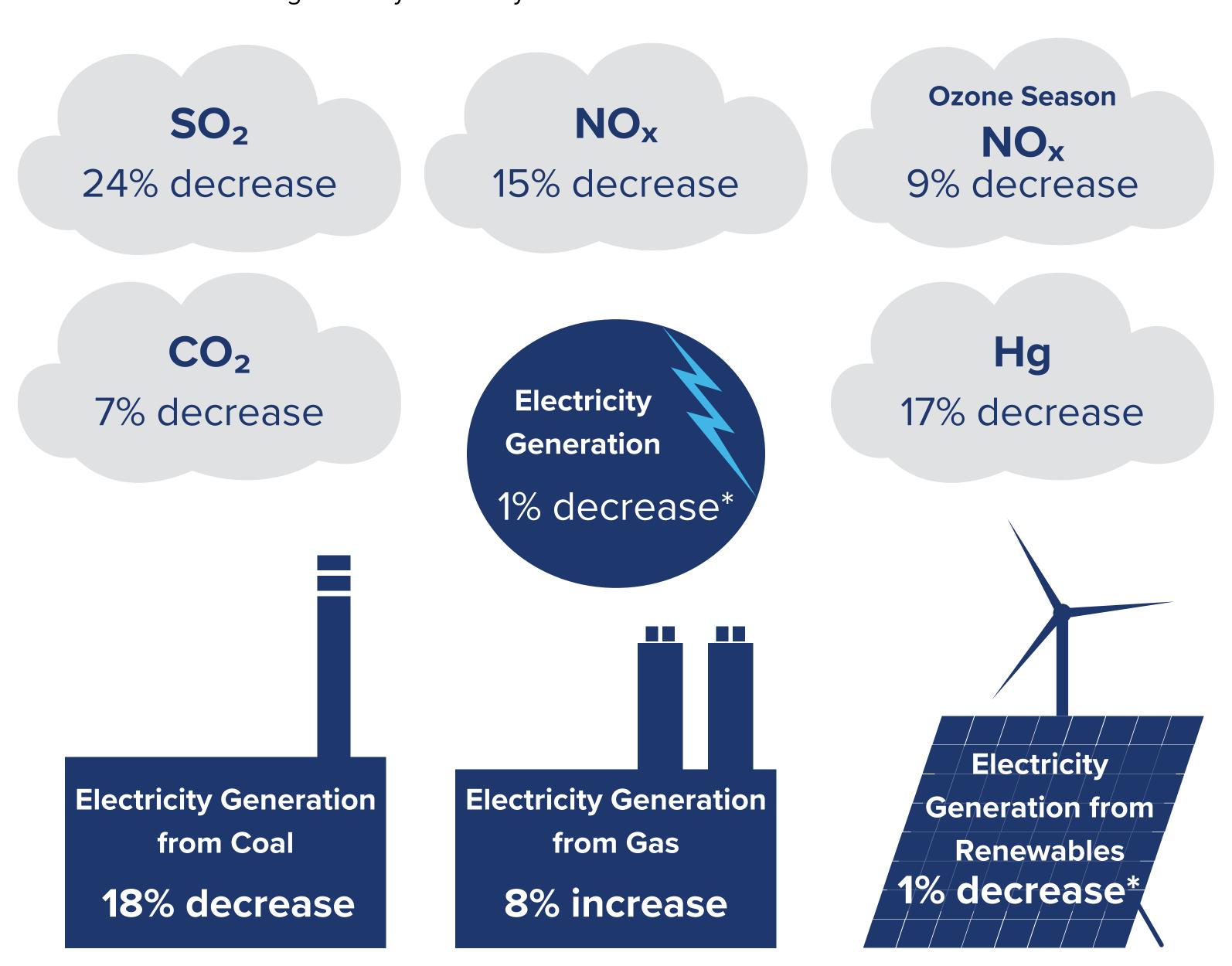
## **ÇEPA**Power Plant Data Highlights 2023

2023 power plant emissions data show reductions in all measured pollutants. Emissions reductions in 2023 **versus 2022 levels** are listed below. These are the most significant year-over-year emissions reductions since 2020.



<sup>\*</sup> Based on EIA data for the first 11 months of 2023 and 2022. Data for December 2023 are not yet available.
2023's decrease in renewable generation is driven by a reduction of generation in conventional hydroelectricity despite growth in other renewable electricity sources.

## **Emissions and Electricity Generation Data**

Emissions	2017	2018	2019	2020	2021	2022	2023	2017 to 2023 Change
Annual SO <sub>2</sub> (million tons)	1.34	1.26	0.97	0.79	0.94	0.85	0.65	-51%
Annual NO <sub>x</sub> (million tons)	1.07	1.03	0.88	0.74	0.78	0.75	0.64	-40%
Ozone Season NO <sub>x</sub> (million tons)	0.47	0.44	0.39	0.34	0.36	0.32	0.29	-37%
Annual Hg (tons)	4.2	3.7	3.2	2.6	3.0	2.9	2.4	-43%
Annual CO <sub>2</sub> (billion tons)	1.92	1.93	1.77	1.59	1.70	1.70	1.56	-19%

Generation (billion MWh)	2017	2018	2019	2020	2021	2022	2023	2017 to 2023 Change
Coal Generation	1.29	1.23	1.03	0.83	0.96	0.91	0.74	-43%
Gas Generation	1.18	1.36	1.48	1.52	1.47	1.57	1.69	20%
Renewable Generation	0.69	0.71	0.73	0.79	0.82	0.90	*	30%*
Gross Generation	4.03	4.18	4.13	4.01	4.11	4.23	*	4%*

<sup>\*</sup> Based on EIA data for the first 11 months of 2023 and 2017.

Data for December 2023 are not yet available.

EPA collects detailed emissions data and other operating information from power plants across the country under the Acid Rain Program, the Cross-State Air Pollution Rule (CSAPR), CSAPR update, Revised CSAPR Update, Good Neighbor Plan, and the Mercury and Air Toxics Standards. EPA 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**