Covanta in the United States

2020 National Facility Performance

Electric & Steam Generation

The electricity produced at the plants can power **861 thousand** homes for **1 Year**

&

The steam exported at select plants can power an additional **66 thousand** homes for **1 Year**

Metal Recycling

Ferrous
557,000 tons

Non-Ferrous
52,000 tons

The metal recovered is equivalent to:

470 thousand cars from recovered steel

Energy savings equivalent to **147 million** gallons of gasoline

3.6 billion aluminum cans

A paper clip chain that wraps around the Earth **853** times

Net GHG Reduction

1 Ton of waste processed by the facilities reduces lifecycle emissions* by **0.9 tons of net CO_2e**** compared to landfilling

In 2020, our facilities avoided emissions equivalent to **3.5 million** passenger vehicles driven for **1 Year**, or burning **18 billion** pounds of coal

* WTE facilities in the U.S. reduce lifecycle emissions by an average of 1 ton of CO2e per ton of MSW diverted from landfills. The data presented here reflects recent U.S. operating data and the national electrical grid, which can differ from year to year.

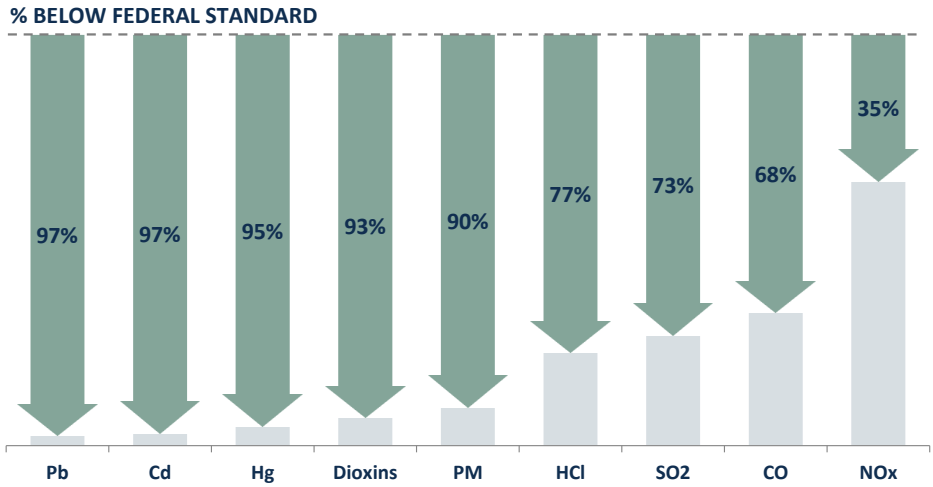
Average Annual Facility Emissions

2018-2020 WTE Emissions Compared to Federal Standards

The facilities operate up to **97% below** federal emissions standards

Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb).

Facilities may be subject to more stringent requirements by permit or in accordance with other federal guidelines.



Continuous Emission Monitoring Compliance

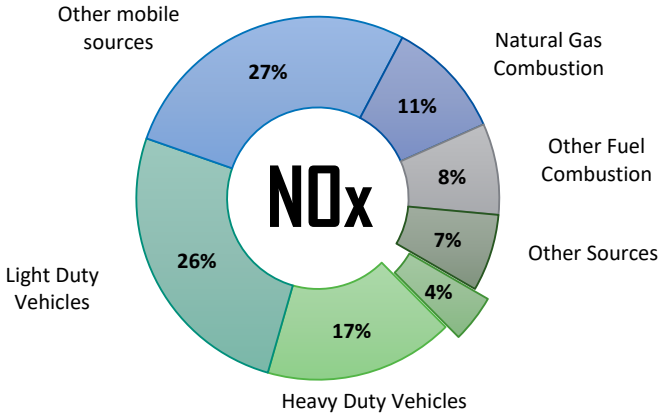
✓ In 2020, the facilities were **99.993%** compliant with CEMS emissions standards

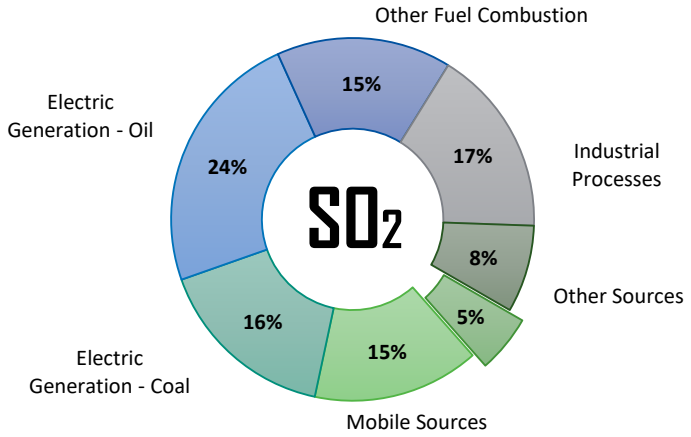
UPDATED: 10/13/2021

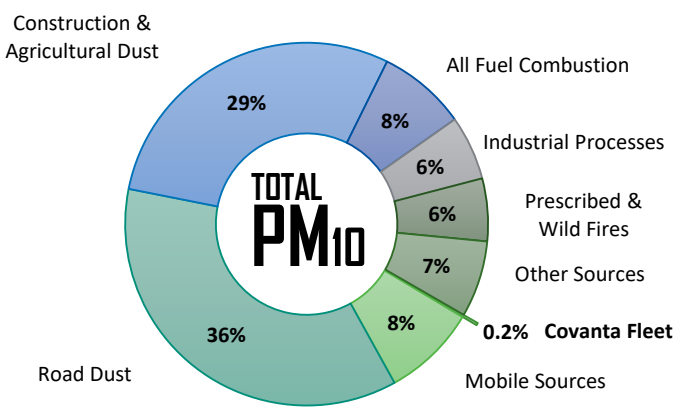
Learn more through our online sustainability report! [covanta-csr.com]

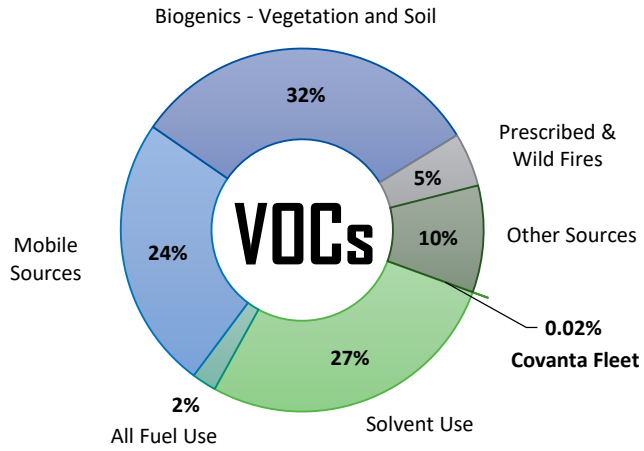
How Do Our Emissions Compare to Other Sources in their Counties?

Average air emissions*** in the counties in which we operate







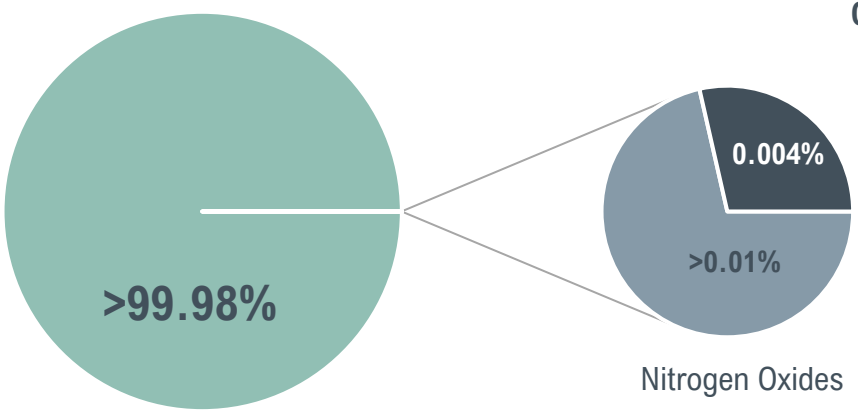


Stack Emissions Composition

Did you know?

>99.98% of our stack emissions are normal components of air

Composition of Stack Emissions by mass (wet basis) calculated using 2018-2020 US fleet emissions averages



Water Vapor, Oxygen, Carbon Dioxide, Nitrogen, Argon

Nitrogen Oxides

Other Emissions: CO, SO2, HCl, NH3, N2O, PM, metals, PCDD/F, VOC, CH4, HF

** To allow for a comparison of different greenhouse gases, emissions are converted into CO2 equivalents, or CO2e, using global warming potentials (GWPs). This analysis uses the 100-yr GWP for methane of 28 from the IPCC's 5th assessment report. More information on the calculation can be found at http://covanta-csr.com/wte-vs-landfill/

*** Based on the 2017 US EPA National Emissions Inventory; the most recently released complete inventory. Where available, the fleet's 2017 emissions were replaced with the reported 2020 emissions.

UPDATED: 10/13/2021

COVANTA
Powering Today. Protecting Tomorrow.