

# Covanta WTE in the United States

## 2022 National WTE Facility Performance

### Landfill Diversion

**MSW Processed**  
**19 million tons**

Enough to fill:

**2,300,000** garbage trucks spanning **8,700 miles**



**3-LANE HIGHWAY FROM NYC TO LA**

### Electric & Steam Generation

**Net Export**  
**9.7 million MWh-eq.**

The electricity produced at the plants can power **840 thousand homes for 1 Year**



The steam exported at select plants can power an additional **60 thousand homes for 1 Year**

### Metal Recovery

**Ferrous**  
**470,000 tons**



**400 thousand cars** from recovered steel



Energy savings equivalent to **112 million gallons of gasoline**



**2.3 billion aluminum cans**



A paper clip chain that wraps around the Earth **724 times**

**Non-Ferrous**  
**30,000 tons**

The metal recovered is equivalent to:

### Net GHG Avoidance



**0.9 tons** of net CO<sub>2</sub>e avoided\* for every ton of waste diverted from landfill



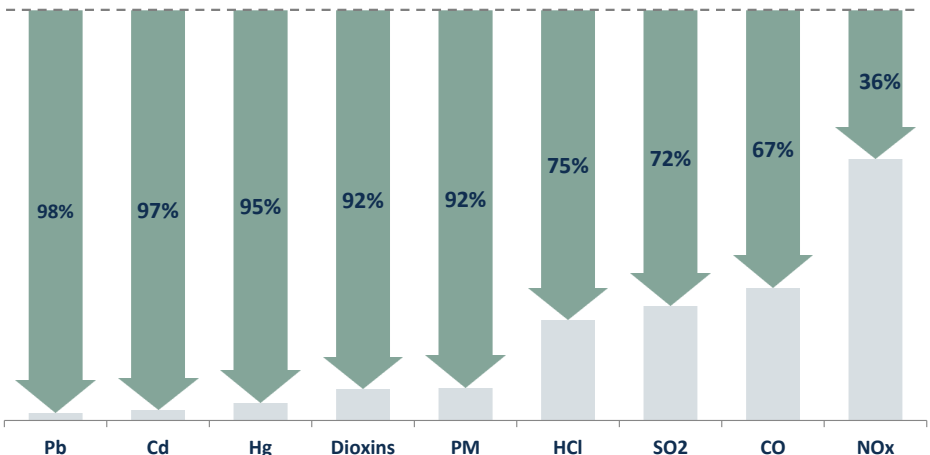
GHG avoidance equivalent to:  
Removing **3.8 million** vehicles for 1 year  
Displacing **18.9 billion** pounds of coal

### Environmental Compliance

✓ **Annual Average Emissions**  
Up to **98%** below federal emissions standards\*\*

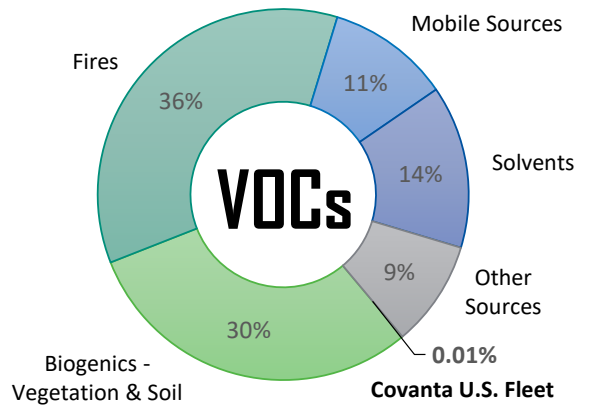
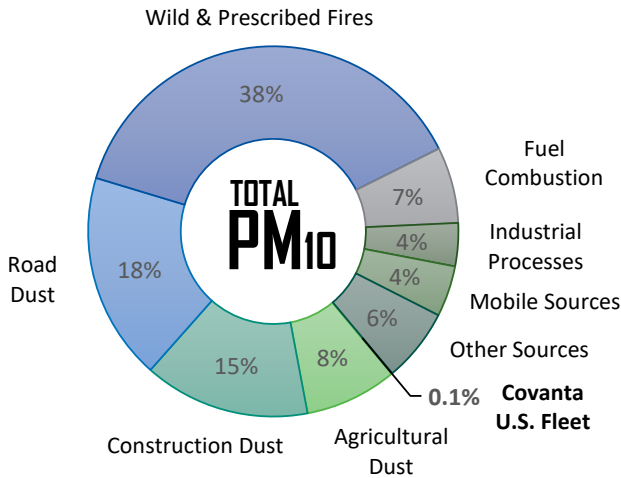
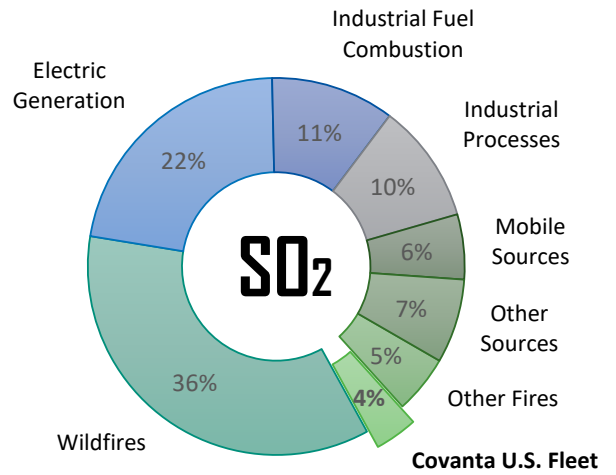
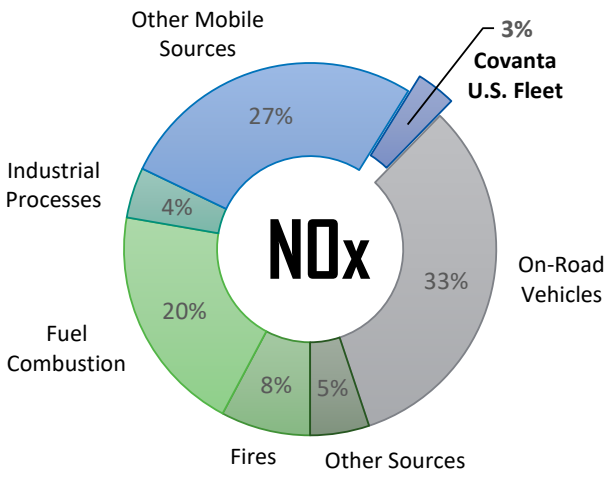
✓ **Continuous Emissions Monitoring**  
**99.97%** compliant with CEMS emissions standards

**% BELOW FEDERAL STANDARD**



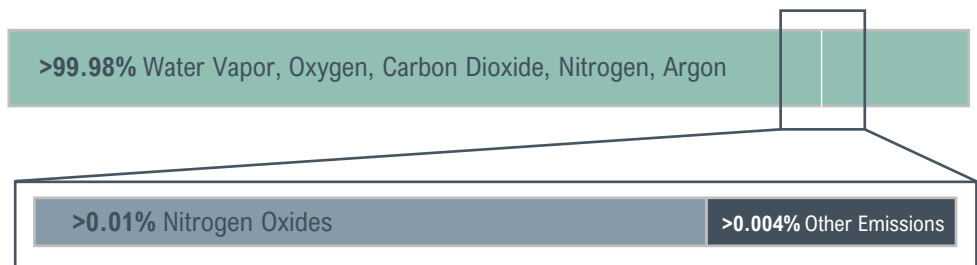
# How Do Our Emissions Compare to Other Sources in their Counties?

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 \*\*\*\*



\* GHGs, or greenhouse gases, are represented in CO2 equivalents using global warming potentials (GWPs) to compare the warming power of different gases. This analysis uses the 100-yr GWP for methane of 28 from the IPCC's 5<sup>th</sup> assessment report. 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 facility-specific operating data and the local electrical grid, which can differ from the national average. More information on the calculation can be found at <https://www.covanta.com/waste-to-energy-vs-landfill>

\*\* 2020-2022 Average Annual Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb). Facility may be subject to more stringent requirements by permit or in accordance with other federal guidelines.

\*\*\* Based on the 2020 US EPA National Emissions Inventory; the most recently released complete inventory.

\*\*\*\*Composition of Stack Emissions by mass (wet basis) calculated using 2020-2022 US fleet emissions averages.

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

