

Covanta Fairfax

2020 Facility Performance

Landfill Diversion

145,462 garbage trucks diverted from landfill

551 miles bumper to bumper

Covanta Fairfax



Detroit, MI

Electric Generation

The electricity produced at the plant can:

Power **67 thousand** homes for **1 Year**



Charge **167 thousand** electric vehicles for **1 Year**

Metal Recovery

Ferrous
32,600 tons

Non-Ferrous
4,700 tons

The metal recovered is equivalent to:



27 thousand cars from recovered steel



Energy savings equivalent to **10.4 million** gallons of gasoline



322 million aluminum cans



A paper clip chain that wraps around the Earth **50** times

Net GHG Reduction



1 Ton of waste processed by Waste-to-Energy reduces lifecycle emissions* by **1 ton of net CO2e** compared to landfilling



In 2020, the facility avoided emissions equivalent to **236 thousand** passenger vehicles driven for **1 Year**, or burning **1.2 million** pounds of coal

* Life Cycle calculations are based on specific facility operating data, local electrical grid, and U.S. national average landfill practices

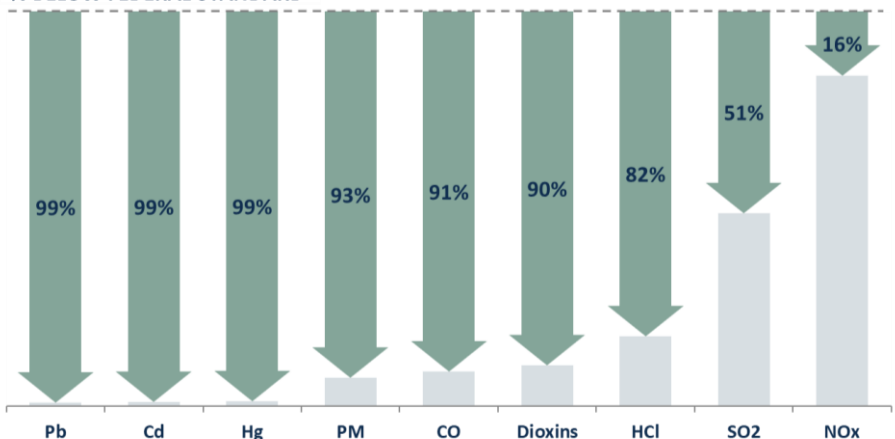
Average Annual Facility Emissions

2018-2020 WTE Emissions Compared to Federal Standards

The facility operates up to **99% below** federal emissions standards

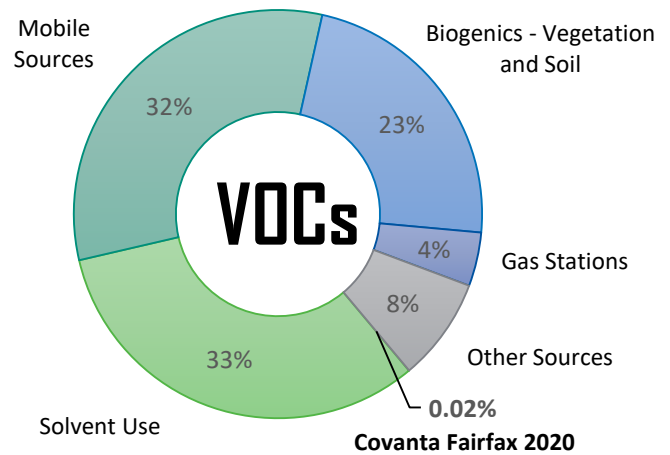
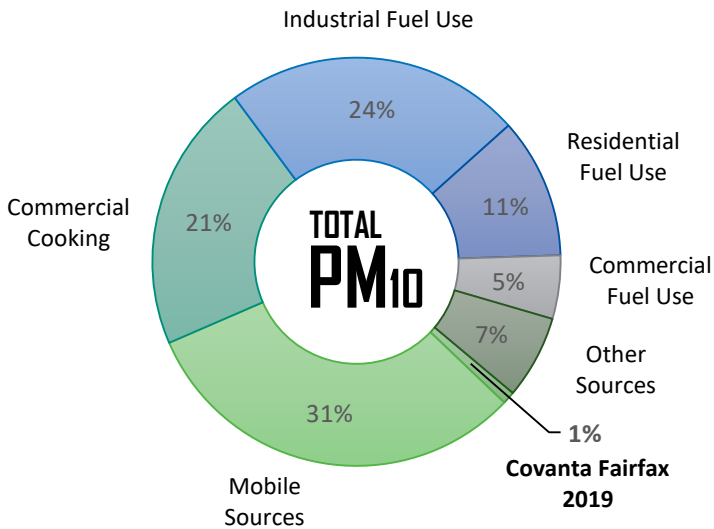
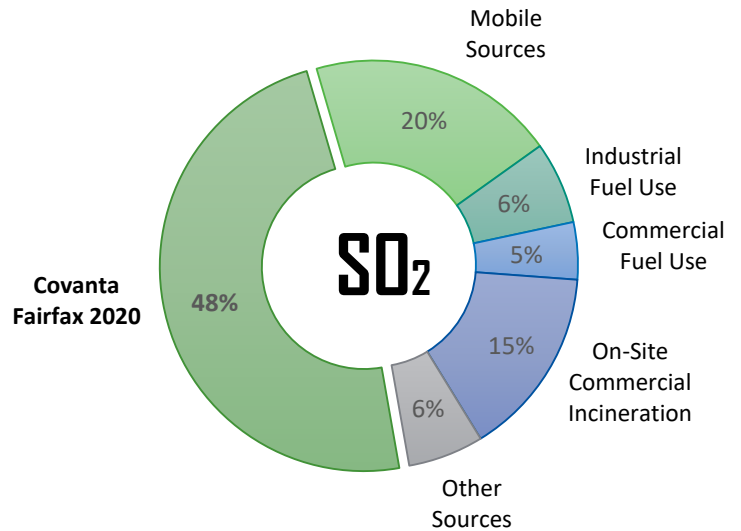
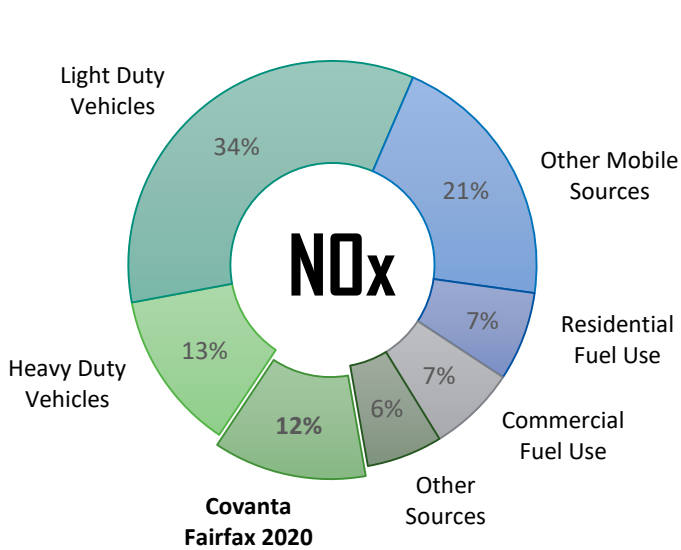
Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb). Facility may be subject to more stringent requirements by permit or in accordance with other federal guidelines.

% BELOW FEDERAL STANDARD



How Do Our Emissions Compare to Other Sources in the County?

Local air emissions* in Fairfax County & Fairfax City, VA



Excluding Dust Sources, which make up 66% of the total inventory.

Continuous Emission Monitoring Compliance

✓ In 2020, the facility was **99.97%** compliant with CEMS emissions standards

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