Covanta SEMASS

2021 Facility Performance

Landfill Diversion

128,400 garbage trucks diverted from landfill | **468** miles bumper to bumper | Covanta SEMASS  Buffalo, NY

Electric Generation

The electricity produced at the plant can:

Power **55 thousand** homes for **1 Year**

OR

Charge **137 thousand** electric vehicles for **1 Year**

Metal Recovery

Ferrous
35,700 tons

Non-Ferrous
6,400 tons

The metal recovered is equivalent to:

30 thousand cars from recovered steel

Energy savings equivalent to **13 million** gallons of gasoline

437 million aluminum cans

A paper clip chain that wraps around the Earth **55** times

Net GHG Reduction

1 Ton of waste processed by the facility reduces lifecycle emissions* by **1 ton of net CO_2e**** compared to landfilling

In 2021, the facility avoided emissions equivalent to **205 thousand** passenger vehicles driven for **1 Year**, or burning **1 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 facility-specific operating data and the local electrical grid, which can differ from the national average.

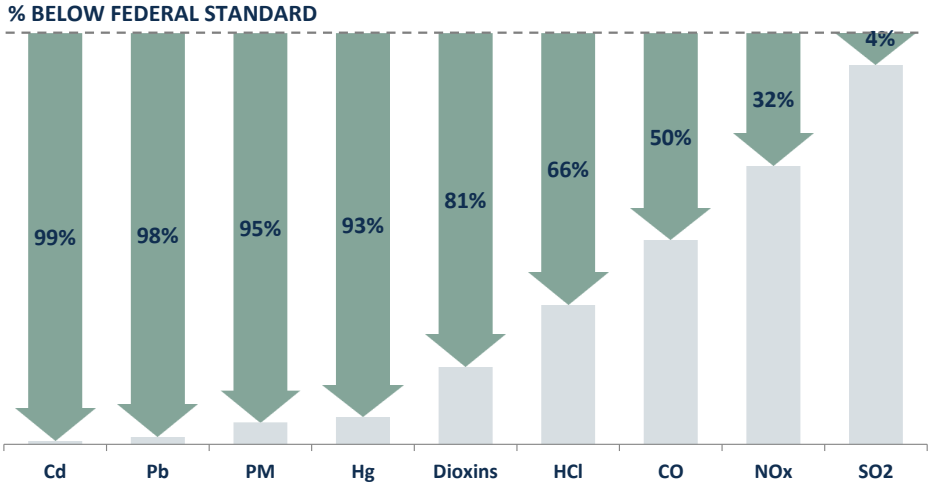
Average Annual Facility Emissions

2019-2021 WTE Emissions Compared to Federal Standards

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

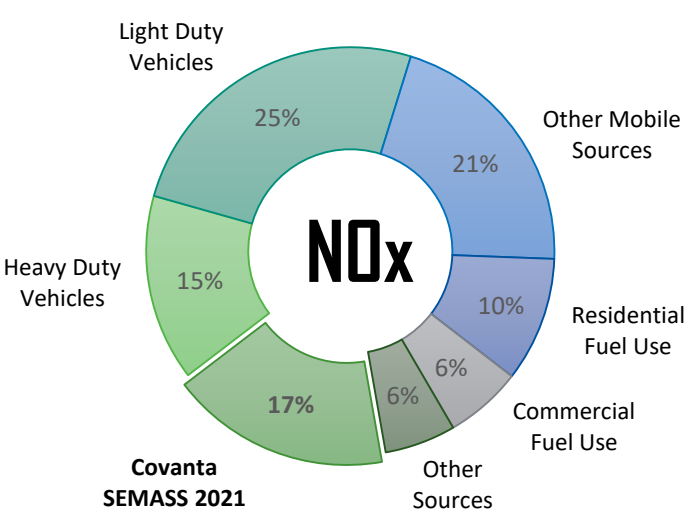
Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb).

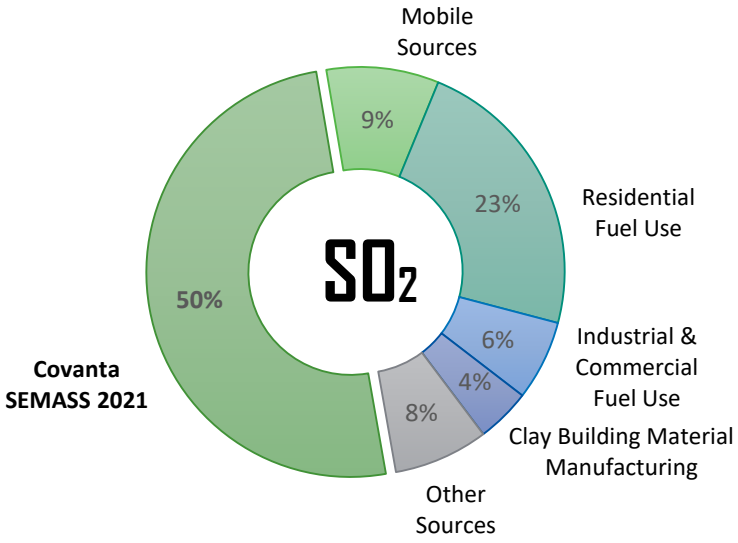
Facility may be subject to more stringent requirements by permit or in accordance with other federal guidelines.

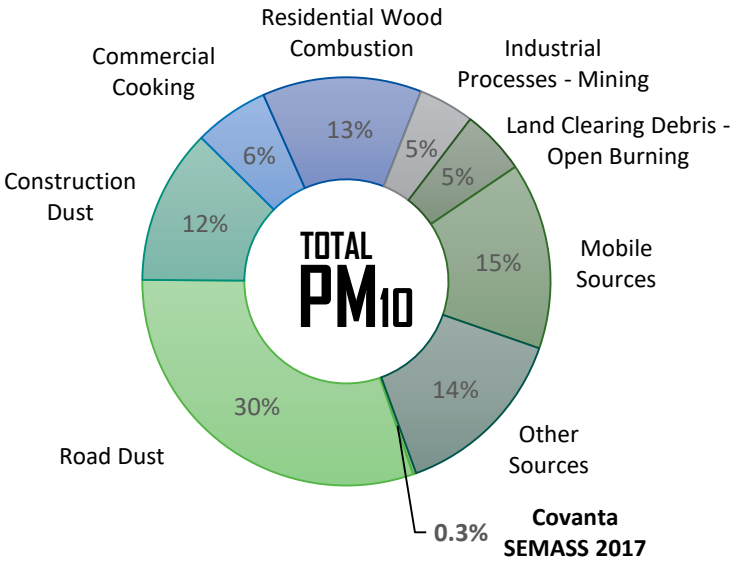


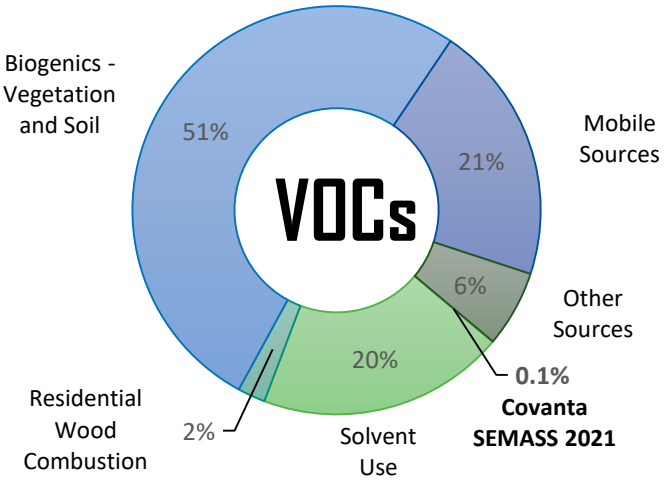
How Do Our Emissions Compare to Other Sources in the County?

Local air emissions*** in Plymouth County, MA









Continuous Emission Monitoring Compliance

✓ In 2021, the facility was **100.00%** compliant with CEMS emissions standards

** 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 https://www.covanta.com/waste-to-energy-vs-landfill

*** 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 most recently reported emissions.

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UPDATED: 6/1/2022