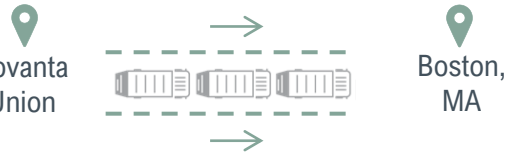
Covanta Union

2019 Facility Performance

Landfill Diversion

65,484 garbage trucks diverted from landfill = **248** miles of garbage trucks bumper to bumper =



Electric Generation

The electricity produced at the plant can:

Provide electricity for **27 thousand** homes for **1 Year**

OR

Fully charge a Tesla Model S vehicle **2.9 million** times

Metal Recovery

Ferrous
15,000 tons

Non-Ferrous
1,500 tons

The metal recovered is equivalent to:

13 thousand cars from recovered steel

Energy savings equivalent to **4.0 million** gallons of gasoline

101 million aluminum cans

A paper clip chain that wraps around the Earth **23** times

Net GHG Reduction

Compared to Landfilling, **1** Ton of MSW processed reduces lifecycle emissions* by **0.9** tons of net CO2e

In **2019**, the plant **avoided emissions** equivalent to:

98 thousand passenger vehicles driven for **1 Year**

Burning **504 million** pounds of coal

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

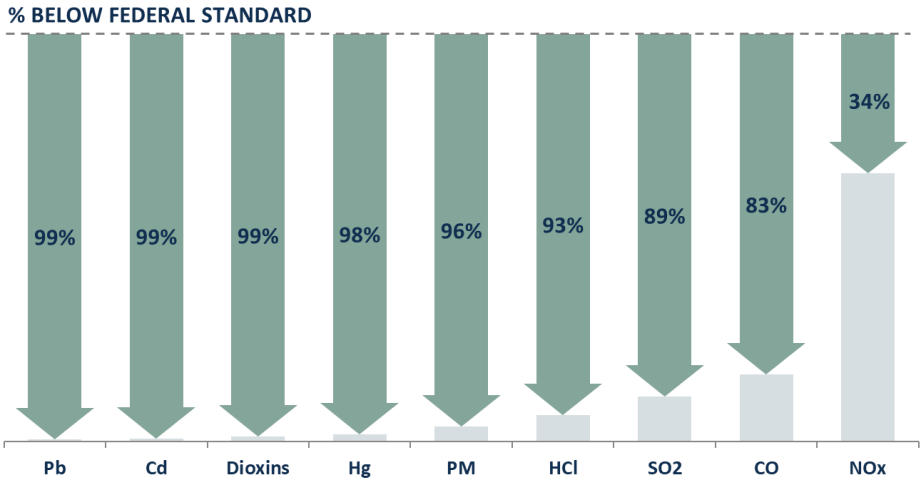
Average Annual Facility Emissions

2017-2019 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.

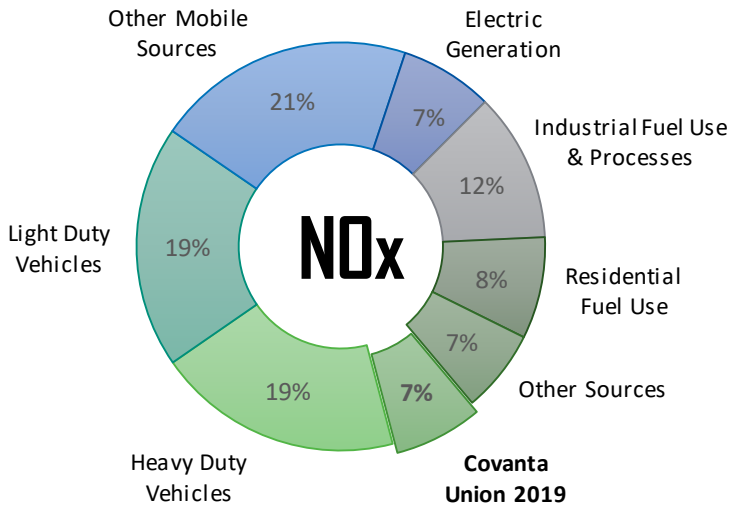


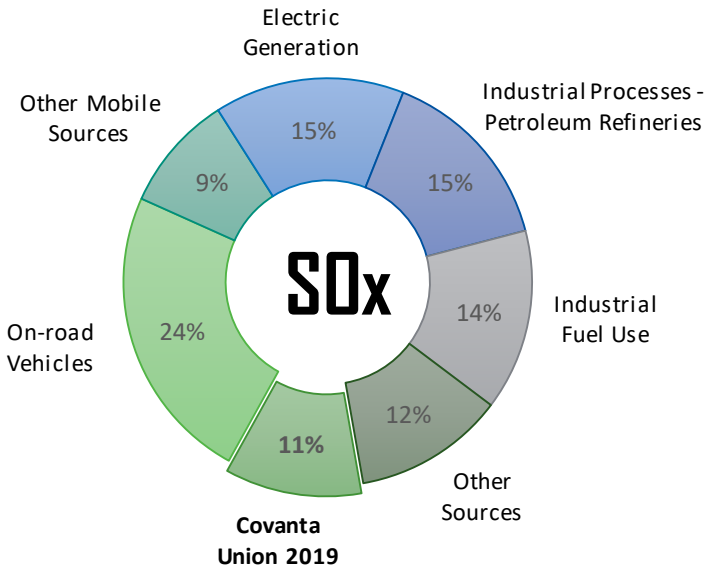
UPDATED: 3/19/2021

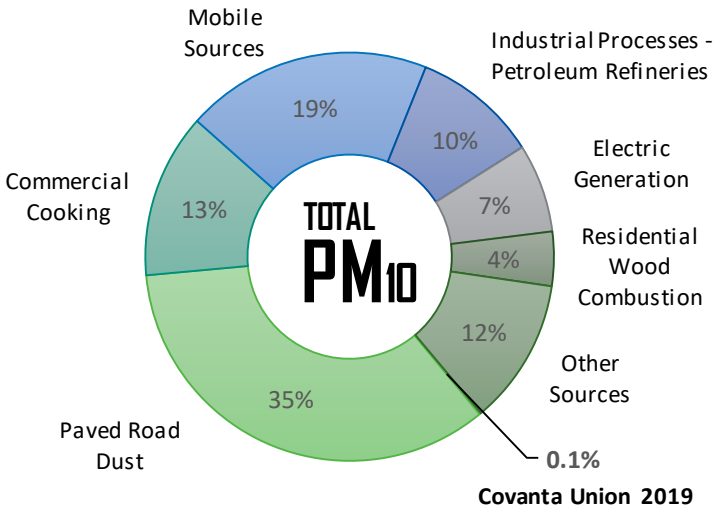
Learn more through our online sustainability report! [covanta-csr.com]

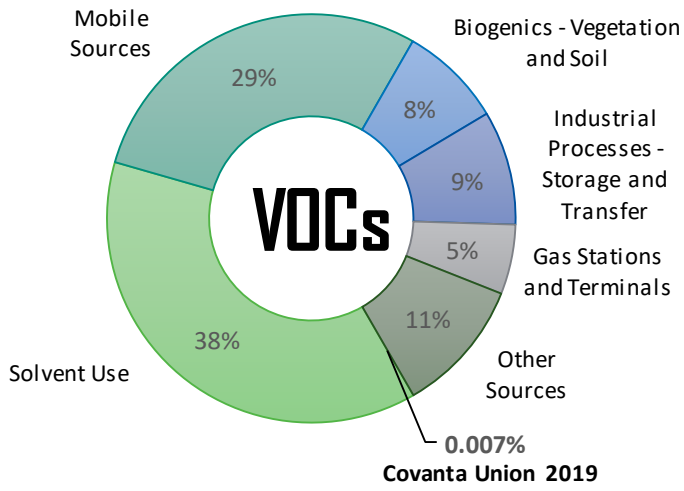
How Do Our Emissions Compare to Other Sources in the County?

Local air emissions* in Union County, NJ









Continuous Emission Monitoring Compliance

✓ In 2019, the facility was **99.83%** 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 2019 emissions.

COVANTA
Powering Today. Protecting Tomorrow.

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