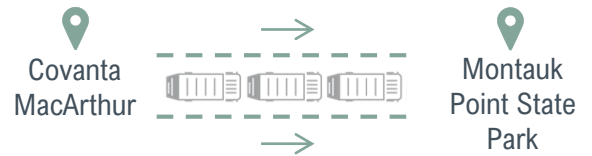


# Covanta MacArthur

## 2019 Facility Performance

### Landfill Diversion

20,396 garbage trucks diverted from landfill = 77 miles of garbage trucks bumper to bumper =



### Electric Generation

The electricity produced at the plant can:

Provide electricity for **5 thousand** homes for **1 Year**



Fully charge a Tesla Model S vehicle **500 thousand** times

### Metal Recovery

**Ferrous**  
5,300 tons

The metal recovered is equivalent to:



**4 thousand** cars from recovered steel



Energy savings equivalent to **900 thousand** gallons of gasoline



A paper clip chain that wraps around the Earth **8** times

### Net GHG Reduction



Compared to Landfilling, **1 Ton** of MSW processed reduces lifecycle emissions\* by **0.9 tons** of net CO<sub>2</sub>e

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



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

Burning **145 million** pounds of coal

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

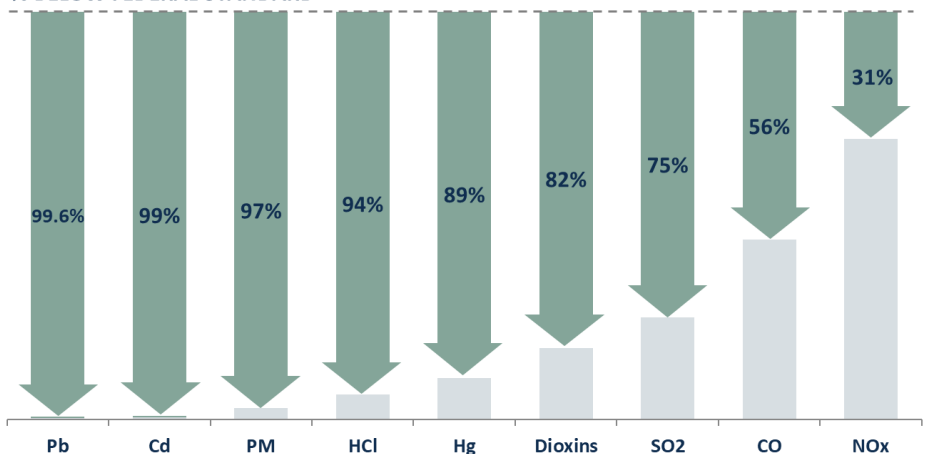
### Average Annual Facility Emissions

2017-2019 WTE Emissions Compared to Federal Standards

The facility operates up to **99.6% below** federal emissions standards

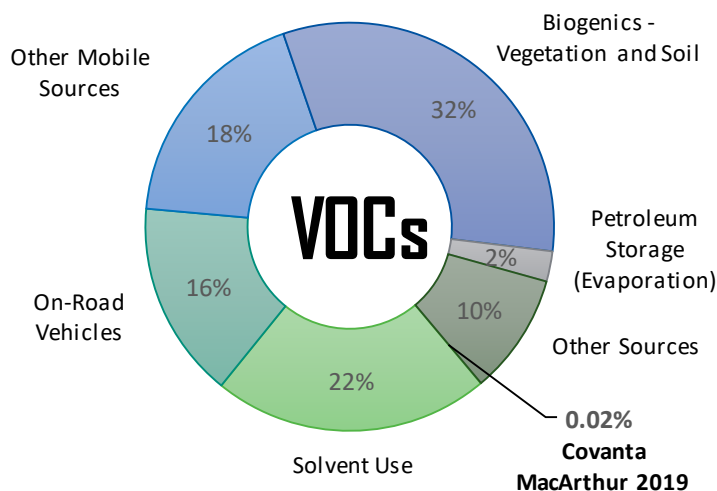
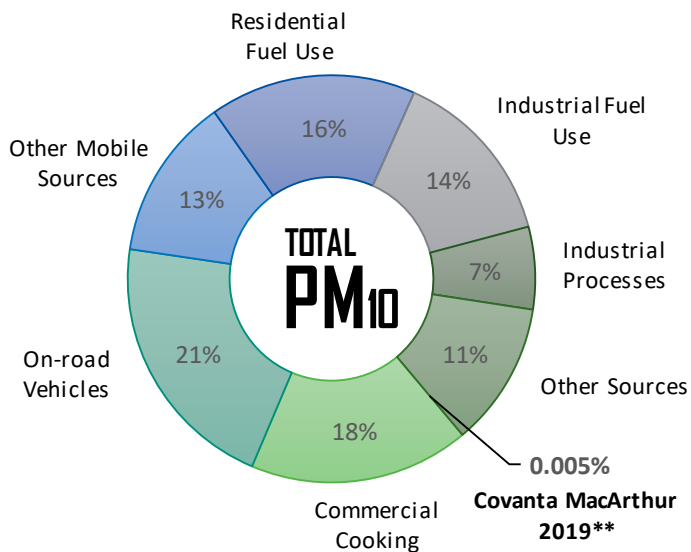
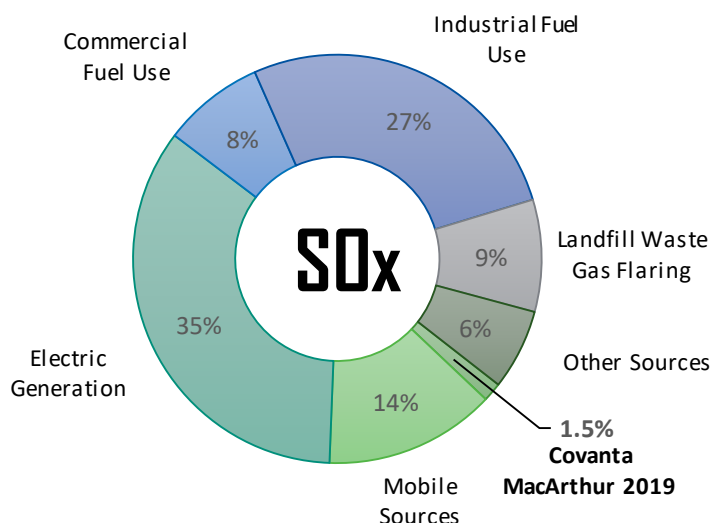
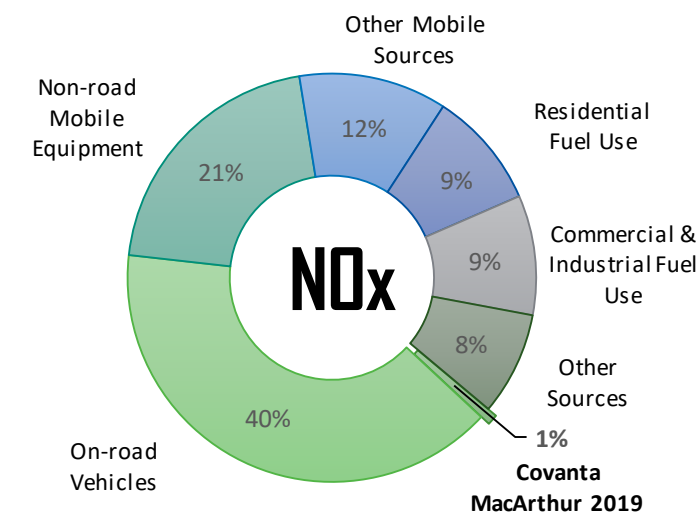
Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb). Facility may be subject to more stringent requirements by permit or in accordance with other federal guidelines.

% BELOW FEDERAL STANDARD



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

Local air emissions\* in Suffolk County, NY



Excluding Dust Sources, which make up 55% of the total inventory.

## Continuous Emission Monitoring Compliance

✓ In 2019, the facility was **100.00%** 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.

\*\* Total PM<sub>10</sub> based on measured filterable PM and NEI emission factors.