

Covanta Durham-York

2020 Facility Performance

Landfill Diversion

19,347 garbage trucks diverted from landfill

118 kilometers bumper to bumper

Covanta Durham-York



Mississauga

Electric Generation

The electricity produced at the plant can:

Power **12 thousand** homes for **1 Year**



Charge **25 thousand** electric vehicles for **1 Year**

Metal Recovery

Ferrous
3,700 tonnes

Non-Ferrous
440 tonnes

The metal recovered is equivalent to:



3 thousand cars from recovered steel



Energy savings equivalent to **4.5 million** liters of gasoline



33 million aluminum cans



A paper clip chain that wraps around the Earth **6** times

Net GHG Reduction



1 tonne of waste processed by the facility reduces lifecycle emissions* by **0.8 tonnes of net CO₂e**** compared to landfilling



In 2020, the facility avoided emissions equivalent to **55 thousand** passenger vehicles driven for **1 Year**, or burning **59 million m³** of Natural Gas

* Life Cycle calculations are based on specific facility operating data, natural gas combined cycle CO₂e intensity, and U.S. national average landfill practices

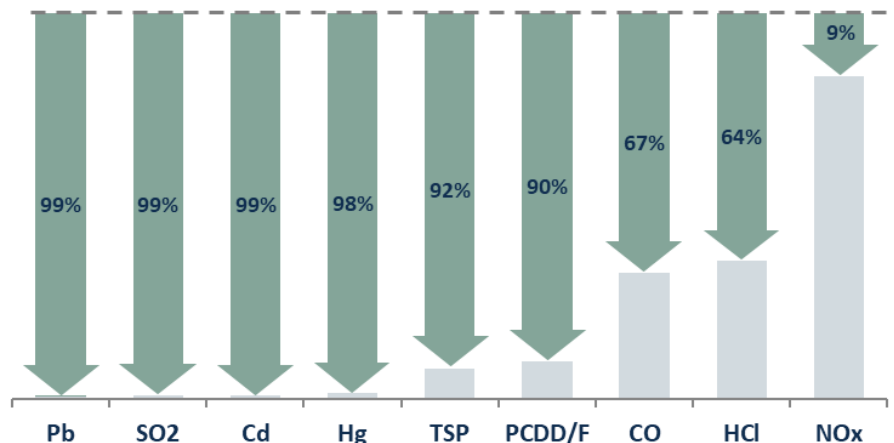
Average Annual Facility Emissions

2018-2020 WTE Emissions Compared to ECA Emission Limits

The facility operates up to **97% below** ECA Emission Limits

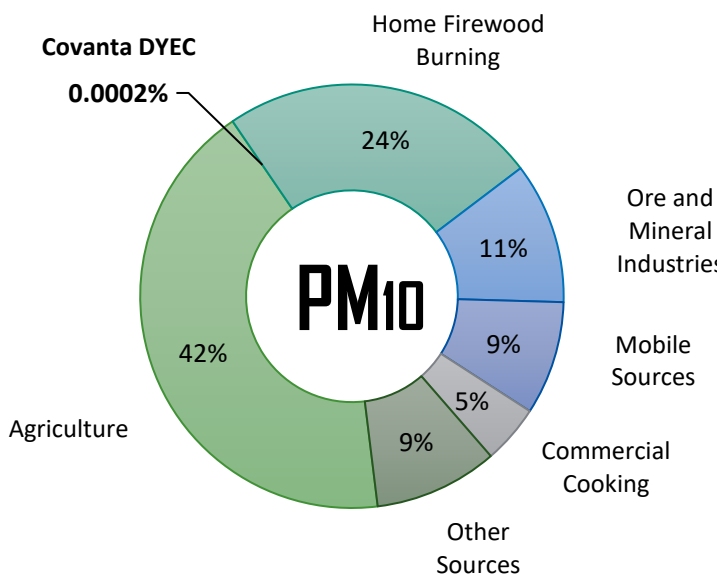
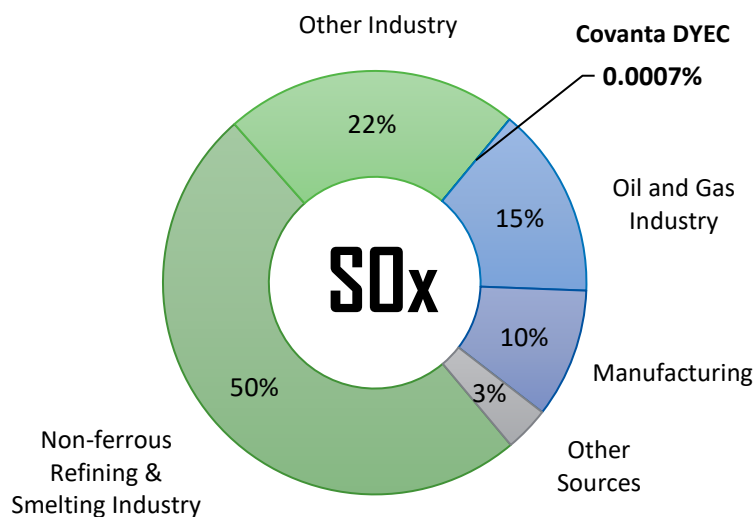
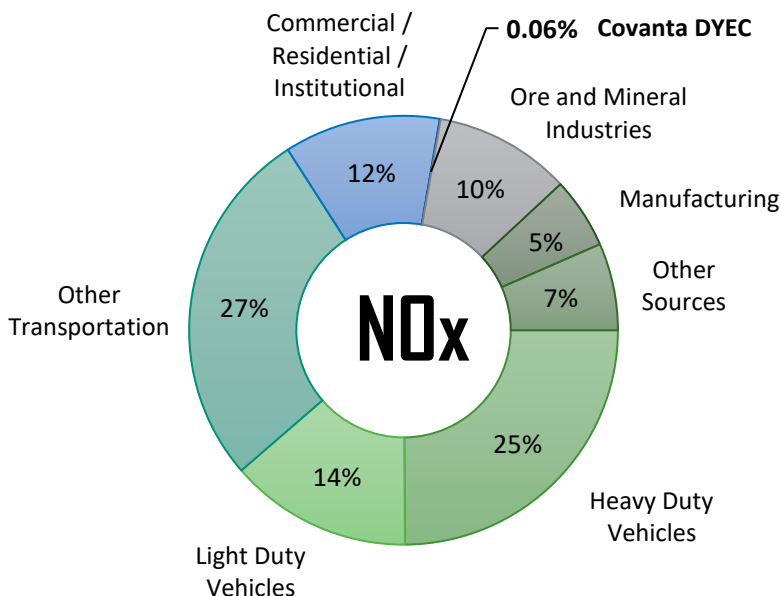
Average emissions compared to DYEC's emissions limits as approved by the ECA

% BELOW ECA LIMITS

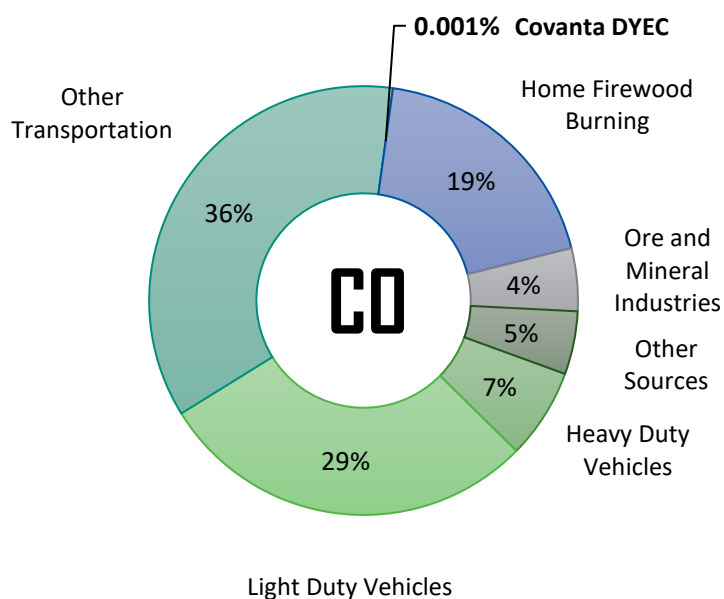


How Do Our Emissions Compare to Other Sources in the Province?

Local air emissions*** in Ontario, Canada



Excluding Dust Sources, which make up 83% of the total inventory.



Continuous Emission Monitoring Compliance

✓ In 2020, the facility was **100.000%** 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 <http://covanta-csr.com/wte-vs-landfill/>

*** Based on Durham-York's reported 2020 mass emissions and Canada's 2018 Air Pollutants Emissions Inventory (APEI).