

# Covanta Durham-York

## 2022 Facility Performance

### Landfill Diversion

**MSW Processed**  
140,000 tonnes

Enough to fill: **18,700** garbage trucks spanning **114** kilometers

Covanta Durham-York



Oakville, ON

### Electric Generation

**Net Export**  
100,000 MWh

Enough electricity to: Power **11 thousand** homes for **1 Year**



Charge **23 thousand** electric vehicles for **1 Year**

### Metal Recovery

**Ferrous**  
3,800 tonnes



**4 thousand** cars from recovered steel



Energy savings equivalent to **4.9 million** liters of gasoline



**39 million** aluminum cans



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

**Non-Ferrous**  
500 tonnes

The metal recovered is equivalent to:

### Net GHG Avoidance



**0.4 tonnes** of net CO<sub>2</sub>e avoided\* for every tonne of waste diverted from landfill



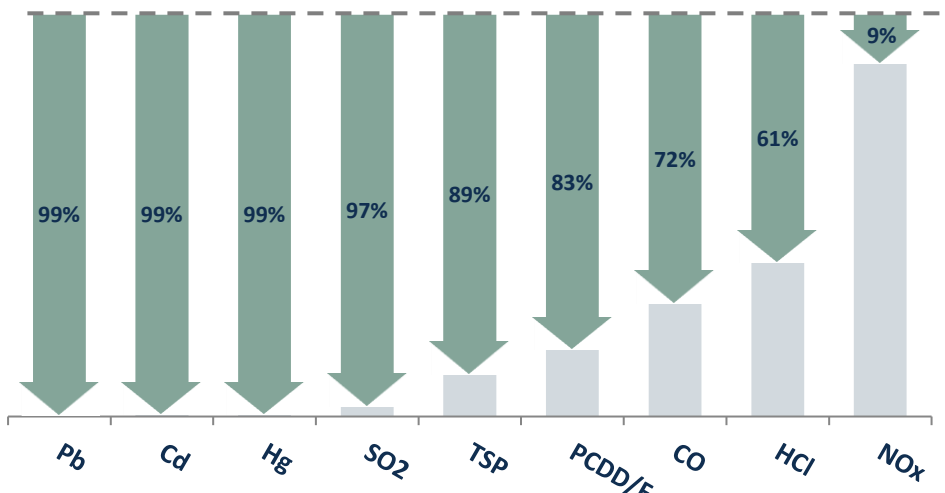
**55,000 tonnes** of GHGs equivalent to:  
Removing **13 thousand** vehicles for 1 year  
Displacing **28 million** m<sup>3</sup> of Natural Gas

### Environmental Compliance

✓ **Annual Average Emissions**  
Up to **99%** below ECA limits\*\*

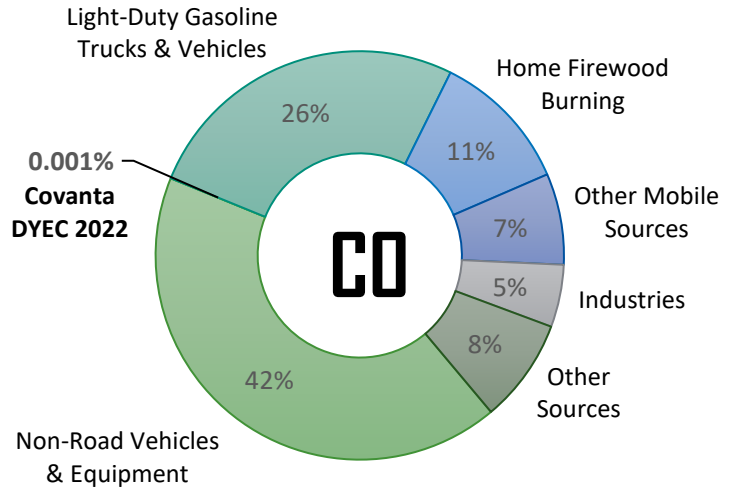
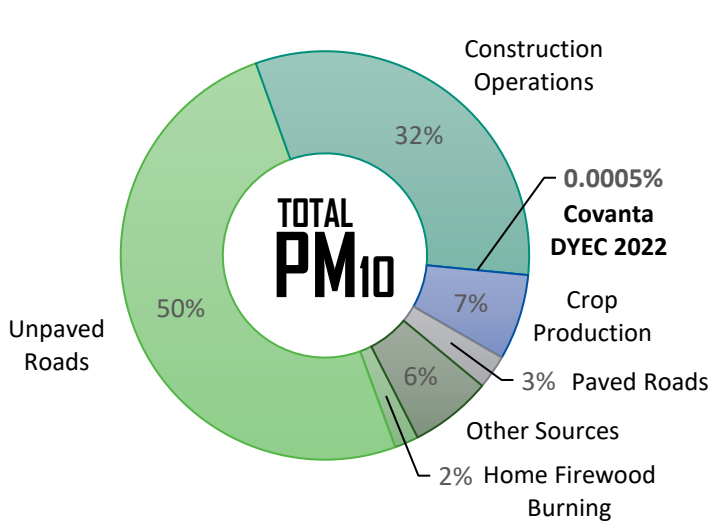
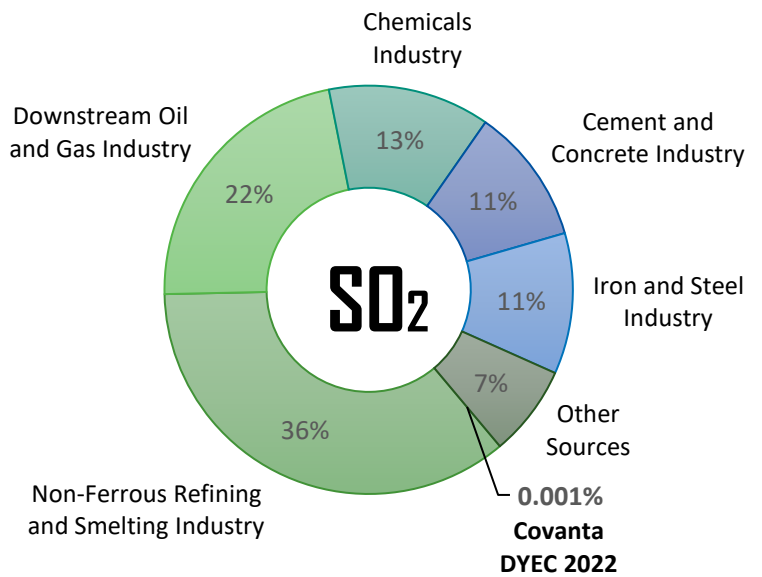
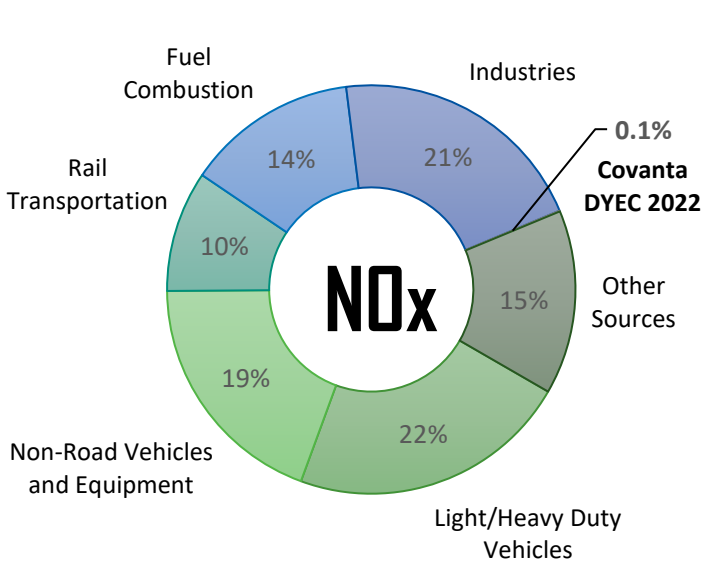
✓ **Continuous Emissions Monitoring**  
**100.000%** compliant with CEMS emissions standards

% BELOW ECA LIMITS



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

Local air emissions\*\*\* in Ontario, Canada



\* GHGs, or greenhouse gases, are represented in CO<sub>2</sub> equivalents using global warming potentials (GWPs) to compare the warming power of different gases. This analysis uses the 100-yr GWP for methane of 28 from the IPCC's 5<sup>th</sup> assessment report. The data presented here are based on 2020-2022 operating data and reported GHGs, natural gas combined cycle CO<sub>2</sub>e grid intensity and 100% Landfill Gas to Energy (LFGTE) alternative. WTE facilities in the U.S. reduce lifecycle emissions by an average of 1 ton of CO<sub>2</sub>e per ton of MSW diverted from landfills. More information on the calculation can be found at <https://www.covanta.com/waste-to-energy-vs-landfill>

\*\* 2020-2022 Average Annual Emissions compared to DYEC's emissions limits as approved by the ECA.

\*\*\* Based on Durham-York's reported 2022 mass emissions and Ontario's 2021 Air Pollutants Emissions Inventory (APEI).