

Covanta WTE in North America

2022 U.S. and Canada Performance

Landfill Diversion

MSW Processed
19.4 million tons

Enough to fill:

2,350,000 garbage trucks spanning **8,900** miles



3-LANE HIGHWAY FROM NYC TO LA

Electric & Steam Generation

Net Export
10 million MWh-eq.

The electricity produced at the plants can power **900 thousand** homes for **1 Year**

&

The steam exported at select plants can power an additional **100 thousand** homes for **1 Year**

Metal Recovery

Ferrous
480,000 tons

The metal recovered is equivalent to:

400 thousand cars from recovered steel

Energy savings equivalent to **115 million** gallons of gasoline

2.4 billion aluminum cans

A paper clip chain that wraps around the Earth **738** times

Non-Ferrous
30,000 tons

Net GHG Avoidance



0.9 tons of net CO₂e avoided* for every ton of waste diverted from landfill



GHG avoidance equivalent to:
Removing **3.9 million** vehicles for 1 year
Displacing **19.5 billion** pounds of coal

Environmental Compliance

✓ **Continuous Emissions Monitoring 99.97%** compliant with CEMS emissions standards

Stack Emissions Composition

Did you know?

>99.98% of our stack emissions are normal components of air **

>99.98% Water Vapor, Oxygen, Carbon Dioxide, Nitrogen, Argon

>0.01% Nitrogen Oxides

>0.004% Other Emissions

* GHGs, or greenhouse gases, are represented in CO₂ 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 5th assessment report. 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. More information on the calculation can be found at <https://www.covanta.com/waste-to-energy-vs-landfill>

**Composition of Stack Emissions by mass (wet basis) calculated using 2020-2022 fleet emissions averages. Other Emissions include CO, SO₂, HCl, NH₃, N₂O, PM, metals, PCDD/F, VOC, CH₄, HF