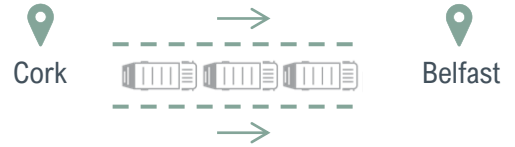


Covanta Dublin

2019 Facility Performance

Landfill Diversion

80,848 waste vehicles diverted from landfill = 493 kilometers of waste vehicles bumper to bumper =



Electric Generation

The electricity produced at the plant can:

Provide electricity for **109 thousand** homes for **1 Year**



Fully charge an electric vehicle **4.6 million** times

Metal Recovery

Ferrous
10,200 tonnes

Non-Ferrous
7,900 tonnes

The metal recovered is equivalent to:



9 thousand cars from recovered steel



Energy savings equivalent to **43.1 million** litres of fuel



595 million aluminium cans



A paper clip chain that wraps around the Earth **17** times

Net GHG Reduction



Compared to Landfilling, **1 tonne** of MSW processed reduces lifecycle emissions* by **0.3 tonnes** of net CO₂e

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



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

Burning **99 million** kg of coal

* Life Cycle calculations are based on facility operating data, natural gas combined cycle CO₂e intensity, and assumed 100% LFGTE.

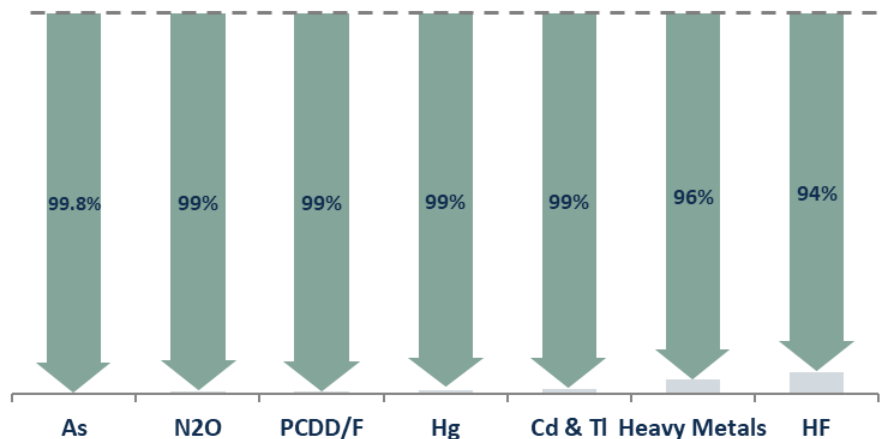
Average Annual Facility Emissions

2017-2019 WTE Emissions Compared to EPA License Limits

The facility operates up to **99.8% below** EPA License Limits

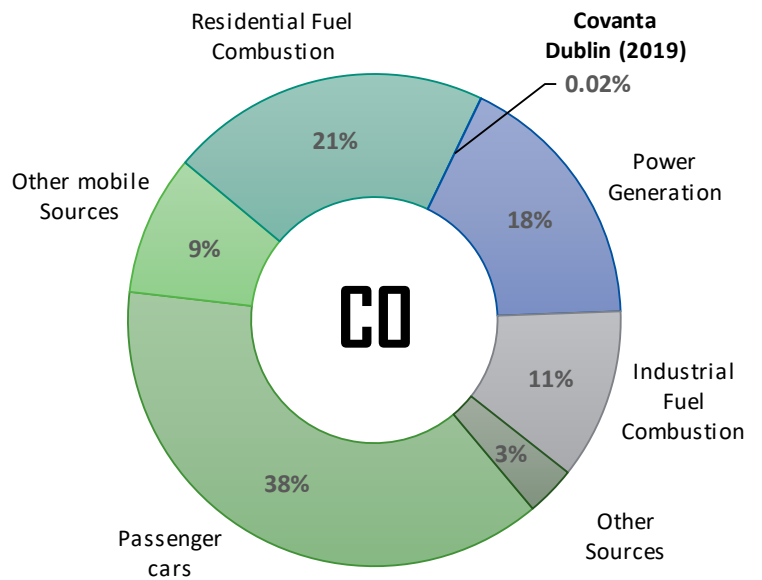
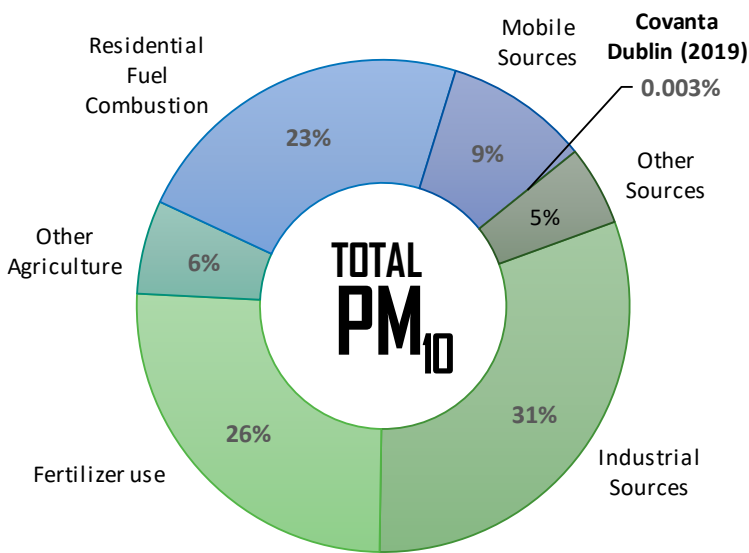
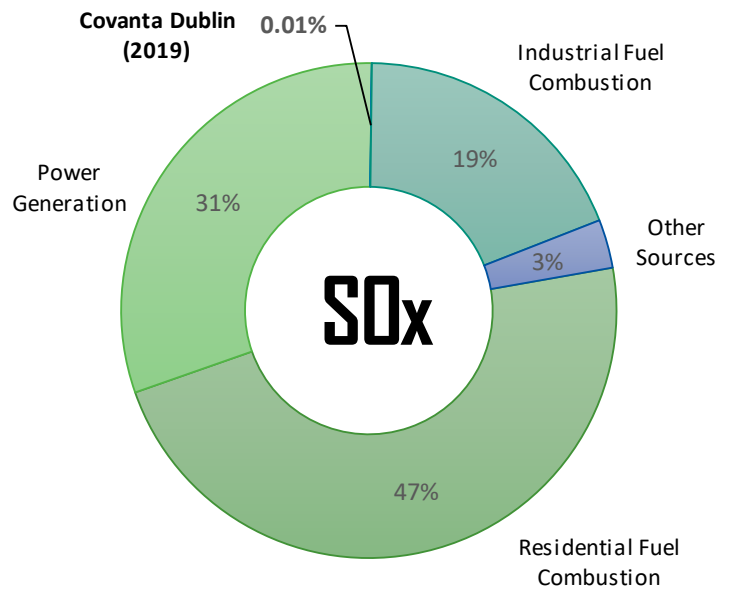
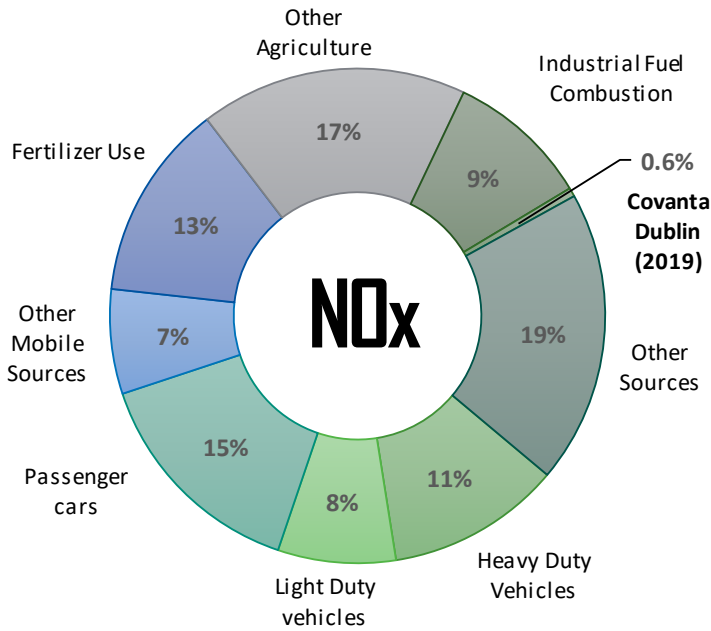
Emissions compared to emission limit values (ELV) as set out in the facility's license that was granted by the Environmental Protection Agency under the Industrial Emissions Directive (IED)

% BELOW EPA LIMITS



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

Local air emissions* in Ireland



Continuous Emission Monitoring Compliance

✓ In 2019, the facility was **99.65%** compliant with CEMS emissions standards

* Based on Ireland's 2019 Informative Inventory Report (IIR) and Nomenclature for Reporting (NFR) tables. The IIR and NFR detail emissions for years 1990-2017. Where available, the facility's 2017 emissions were replaced with the reported 2019 emissions.