

# Covanta Burnaby

## 2022 Facility Performance

### Landfill Diversion

**MSW Processed**  
**230,000 tonnes**

Enough  
to fill:

**30,900** garbage trucks  
spanning **188 kilometers**

Covanta  
Burnaby



Seattle, WA

### Electric Generation

**Net Export**  
**160,000 MWh**

Enough  
electricity to:

Power **18 thousand**  
homes for **1 Year**



Charge **37 thousand** electric  
vehicles for **1 Year**

### Metal Recovery

**Ferrous**  
**5,100 tonnes**

**Non-Ferrous**  
**300 tonnes**

The metal recovered  
is equivalent to:



**5 thousand** cars  
from recovered  
steel



Energy savings  
equivalent to **4.8  
million** liters of  
gasoline



**23 million**  
aluminum  
cans



A paper clip chain  
that wraps around  
the Earth **9** times

### Net GHG Avoidance



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



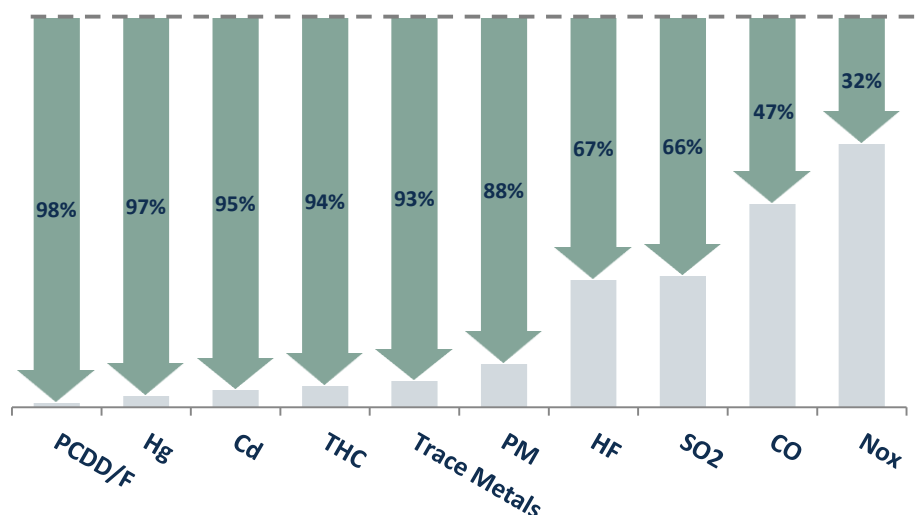
**102,000 tonnes of GHGs** equivalent to:  
Removing **25 thousand** vehicles for 1 year  
Displacing **53 million m<sup>3</sup>** of Natural Gas

### Environmental Compliance

✓ **Annual Average Emissions**  
Up to **98%** below Operational  
Certificate limits\*\*

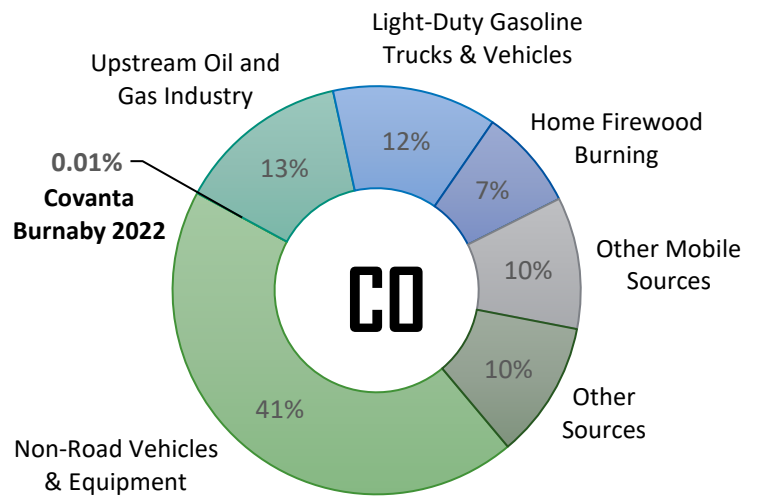
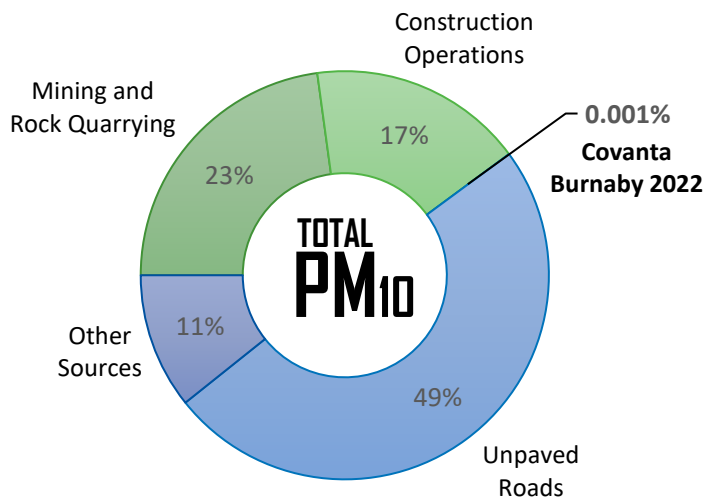
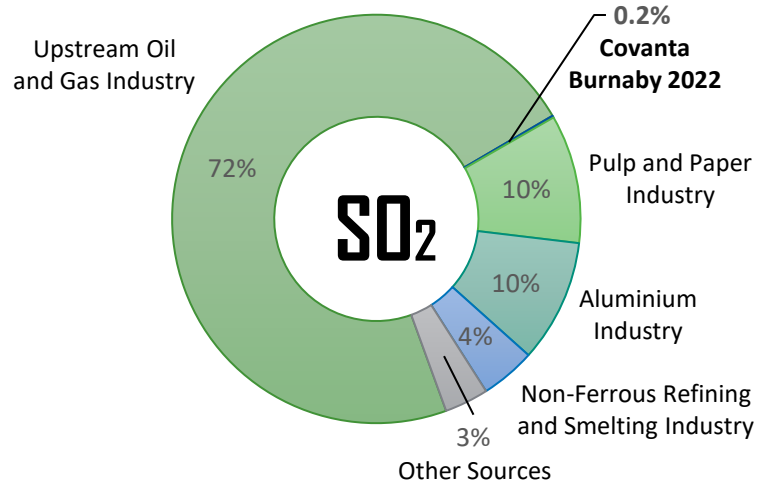
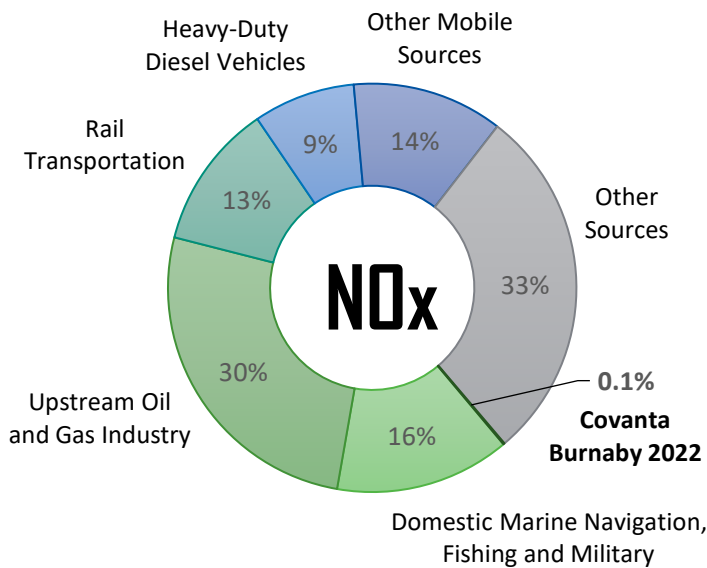
✓ **Continuous Emissions  
Monitoring**  
**100.000%** compliant  
with CEMS emissions  
standards

% BELOW OPERATIONAL CERTIFICATE LIMITS



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

Local air emissions\*\*\* in British Columbia, 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 reflects facility-specific operating data and reported GHGs, natural gas combined cycle CO<sub>2</sub>e intensity, and U.S. national average landfill practices. 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 Emissions compared to current emission limits as defined by the Operational Certificate (OC) issued by BC Ministry of Environment & Climate Change Strategy

\*\*\* Based on Burnaby's reported 2021 mass emissions and British Columbia's 2021 Air Pollutants Emissions Inventory (APEI).