

Landfill Diversion

1,201,000

tons of MSW processed

> Enough to Fill

58

White Houses

Or

146,000

garbage trucks, bumper to bumper

Energy Recovery

707,000

MWh net electricity

> Enough to power

66,000

homes for 1 year

Or, charge

164,000

Electric vehicles for 1 year

Metal Recycling

33,600

tons of ferrous metals

3,700

tons of non-ferrous metals

Equivalent to:

28,000

cars recovered from steel

Paperclip chain wrapped around the earth

51 Times

257M

aluminum cans

Gasoline savings from avoided metal mining:

9.5M

Gallons



Net Greenhouse Gas (GHG) Avoidance

2.4 tons

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

2.66M

metric tons of GHGs avoided

> Equivalent to removing/displacing:

594,000

Vehicles from roads

3B

Pounds of coal

Environmental Compliance

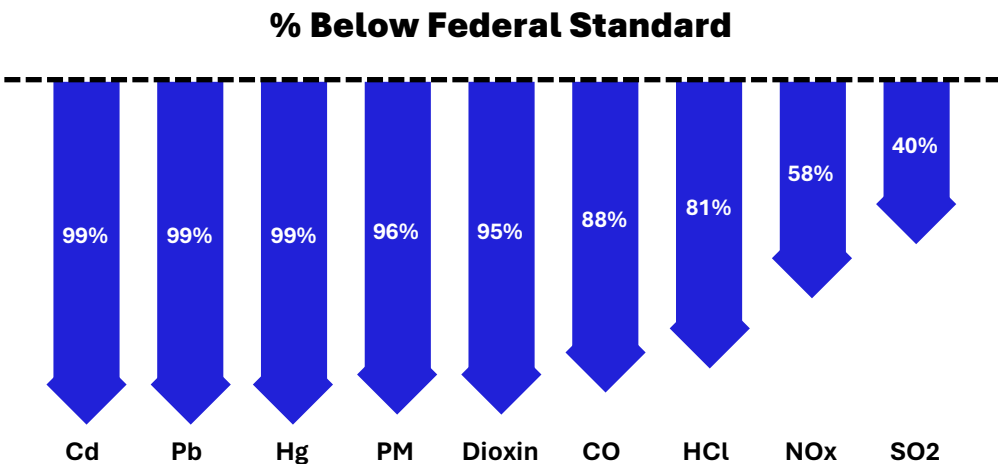
up to

99% below

Federal emissions standards, based on annual averages**

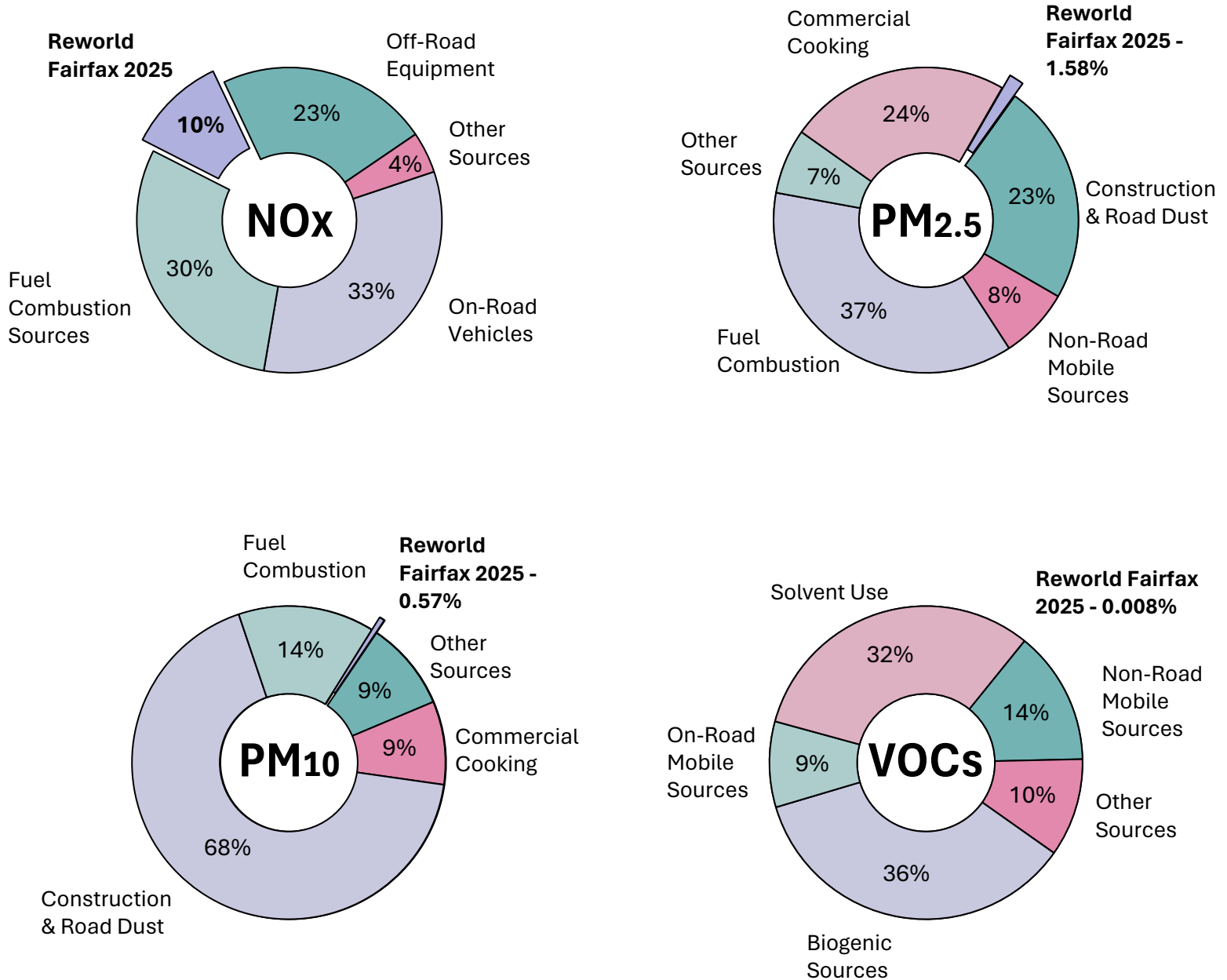
100% compliant

with Continuous Emissions Monitoring (CEMS) standards



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

Local air emissions*** in Fairfax County & Fairfax City, VA



* GHGs are represented in CO₂equivalents (CO₂e) using global warming potentials (GWPs) to compare the warming power of different gases. This analysis uses the 20-yr GWP for methane of 81 from the IPCC's 6th assessment report. TTFs in the U.S. reduce lifecycle emissions by an average of 2.4 tons 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.

** 2023-2025 Average Annual Emissions compared to federal guidelines for existing facilities (40 CFR 60 Subpart Cb). Facility may be subject to more stringent requirements by permit or in accordance with other federal guidelines.

*** Based on the 2020 US EPA National Emissions Inventory; the most recently released complete inventory. Where available, the facility's 2020 emissions were replaced with the most recently reported 2025 emissions.