

## Landfill Diversion

**350,000**  
tons of MSW  
processed

Enough to fill  
**17**  
White  
Houses

Or  
**42,400**  
garbage trucks,  
bumper to bumper

## Energy Recovery

**148,000**  
MWh net  
electricity export

Enough to power  
**14,000**  
homes for 1  
year

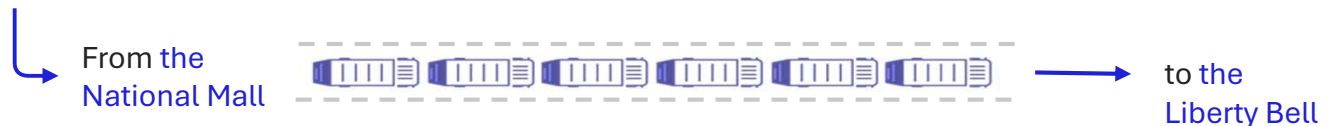
Or, charge  
**34,000**  
Electric vehicles  
for 1 year

## Metal Recycling

**11,800**  
tons of ferrous  
metals

Equivalent to:  
**10,000**  
cars recovered  
from steel

Paperclip chain  
wrapped around  
the earth  
**18 times**



## Net Greenhouse Gas (GHG) Avoidance

**2.4 tons**  
of net CO<sub>2</sub>e avoided\*  
for every ton of waste  
diverted from landfill

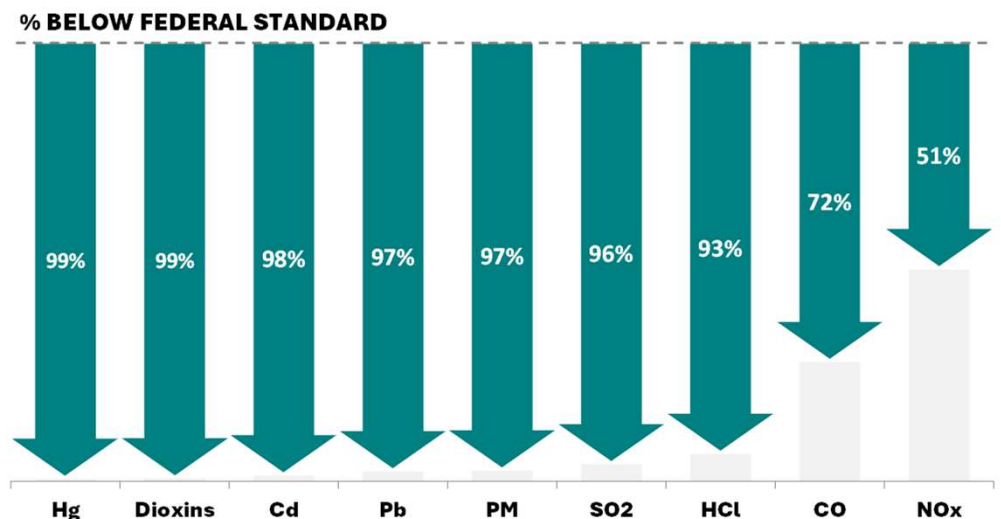
**756,000**  
metric tons of  
GHGs avoided

Equivalent to removing/displacing:  
**186,000** Vehicles  
from roads  
**933M** Pounds of  
coal

## Environmental Compliance

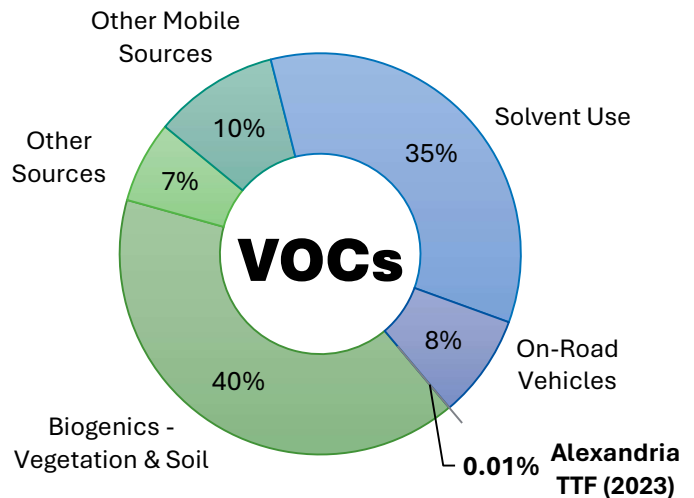
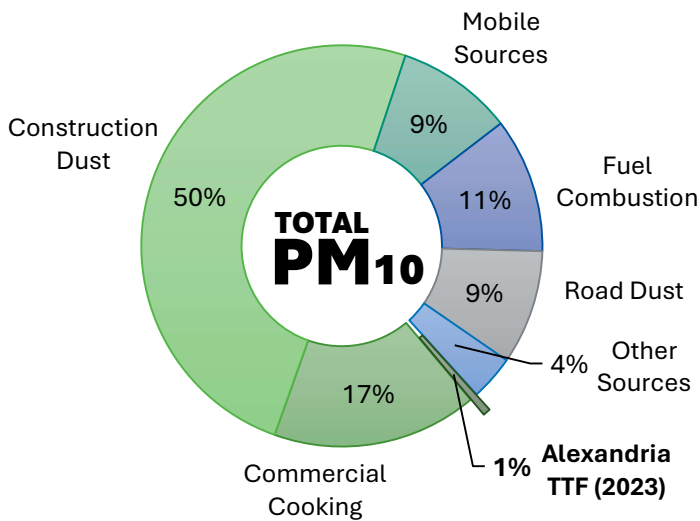
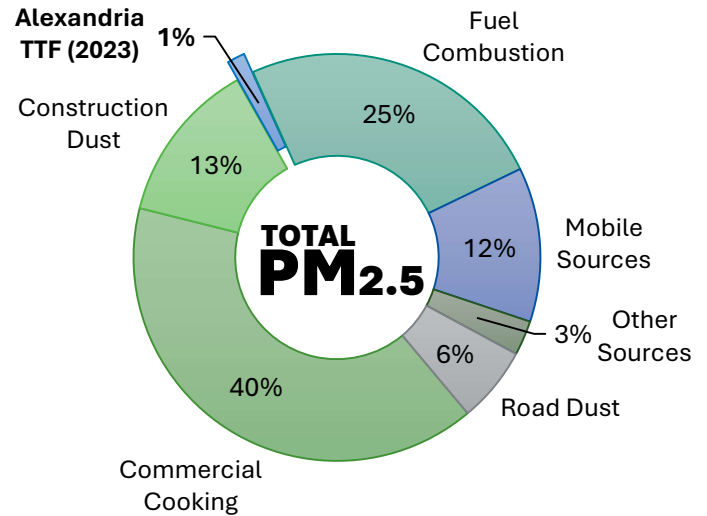
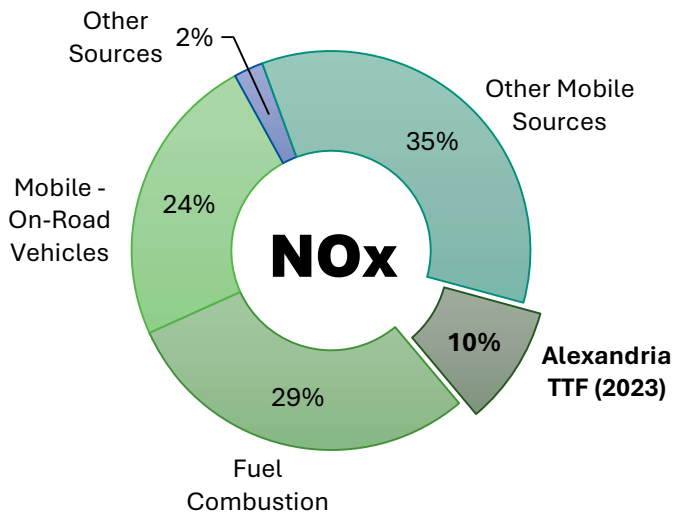
up to  
**99% below**  
Federal emissions  
standards, based on  
annual averages\*\*

**100%**  
**compliant**  
with Continuous Emissions  
Monitoring (CEMS) standards



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

Local air emissions<sup>\*\*\*</sup> in Alexandria City & Arlington County, VA



\* GHGs are represented in CO<sub>2</sub> equivalents (CO<sub>2</sub>e) 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 6<sup>th</sup> assessment report. TTFs in the U.S. reduce lifecycle emissions by an average of 2.4 tons of CO<sub>2</sub>e 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.

\*\* 2021-2023 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 2023 emissions.