## Metal Recovery

The metal recovered in 2018 is equivalent to:

- **7,200** cars from recovered steel
- Energy savings equivalent to **2.6 million** gallons of gasoline
- **76 million** aluminum cans
- A paper clip chain that wraps around the Earth 13 times

<table>
<thead>
<tr>
<th>Ferrous</th>
<th>Non-Ferrous</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,500 tons</td>
<td>1,100 tons</td>
</tr>
</tbody>
</table>

## Net GHG Reduction

Compared to Landfilling, 1 Ton of MSW processed reduces lifecycle emissions* by **0.87 Tons of Net CO2e**

In 2018, the plant avoided emissions equivalent to:

- **68,000** passenger vehicles driven for 1 Year
- Burning **351 million** pounds of coal

* Life Cycle calculations are based on facility operating data, local electrical grid, and U.S. national average landfill practices

## Average Annual Facility Emissions

Covanta Plymouth operates up to **99.5% below** federal emissions standards

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2016-2018 EFW Emissions Compared to Federal Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pb</td>
<td>99.5%</td>
</tr>
<tr>
<td>Cd</td>
<td>99%</td>
</tr>
<tr>
<td>Hg</td>
<td>98%</td>
</tr>
<tr>
<td>PM</td>
<td>89%</td>
</tr>
<tr>
<td>Dioxins</td>
<td>84%</td>
</tr>
<tr>
<td>SO2</td>
<td>84%</td>
</tr>
<tr>
<td>CO</td>
<td>80%</td>
</tr>
<tr>
<td>HCl</td>
<td>57%</td>
</tr>
<tr>
<td>NOx</td>
<td>36%</td>
</tr>
</tbody>
</table>

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.

## Electricity Generation

The electricity produced at the plant:

- Provides electricity for **18,000** homes for 1 Year
- Can fully charge a Tesla Model S vehicle **1.9 million** times

Learn more through our online sustainability report! [covanta-csr.com]
How Do Our Emissions Compare to Other Sources in the County?
Local air emissions* in Montgomery County, PA

** Percentage of hours in compliance with CEMS emissions standards

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EfW Continuous Emission Monitoring
Compliance Performance

99.63%
2018

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* Based on the 2014 US EPA National Emissions Inventory; the most recently released complete inventory.
Where available, the facility’s 2014 emissions were replaced with the reported 2018 emissions.

** Percentage of hours in compliance with CEMS emissions standards

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UPDATED: 12/13/19