Covanta Essex
2018 Facility Performance

Metal Recovery

The metal recovered in 2018 is equivalent to:

- 21 cars from recovered steel
- 237 million aluminum cans
- A paper clip chain that wraps around the Earth 38 times
- Energy savings equivalent to 7.8 million gallons of gasoline

Net GHG Reduction

Compared to Landfilling, 1 Ton of MSW processed
Reduces lifecycle emissions* by 0.93 Tons of Net CO2e

In 2018, the plant avoided emissions equivalent to:
- 108 thousand passenger vehicles driven for 1 Year
- Burning 557 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

2016-2018 EfW Emissions Compared to Federal Standards

Covanta Essex operates up to 99% below federal emissions standards

Average annual facility emissions compared to federal standards (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 46 thousand homes for 1 Year
- Can fully charge a Tesla Model S vehicle 4.9 million times

Learn more through our online sustainability report! [covanta-csr.com]

UPDATED: 12/13/19
How Do Our Emissions Compare to Other Sources in the County?
Local air emissions* in Essex County, NJ

EfW Continuous Emission Monitoring Compliance Performance**
99.99%
2018

* 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