Benefits of making Energy-from-Waste (EfW)

EfW is a proven, safe and reliable disposal method of MSW at a predictable cost promoting America’s energy security.

After recycling, trash can be wasted in a landfill or turned into renewable energy at an EfW facility

EfW generates more renewable electrical power from one ton of trash than any other waste management option. The average EfW facility generates 550 kwh per ton of MSW which is equal to:

- One barrel of oil
- $\frac{1}{4}$ ton of coal

EfW is an engineered process with an average avoidance of 1 ton of carbon dioxide equivalence per ton MSW combusted due to three processes:

- Avoids CO2 from fossil fuel combustion
- Avoids methane from a landfill
- Recovers metals

Landfilling is considered to be a “waste” of a renewable energy source. As an example, that same ton of trash in a landfill:

- generates GHG emissions and air toxics
- destroys open space

EfW facilities are equipped with air pollution control technology that has reduced emissions by significant amounts according to the USEPA:

EfW and recycling are compatible. There are numerous municipalities that have an integrated waste management system where recycling and EfW co-exist with the goal of reducing the amount of waste landfilled.
Special Waste Processing Waste-To-Energy Facilities

Covanta Alexandria/ Arlington, Inc.
5301 Eisenhower Avenue
Alexandria, VA  22304

Covanta Honolulu Resource Recovery Venture (HPOWER)
91-174 Hanua Street
Kapolei, HI  96707

100 Energy Boulevard @ 56th Street
Niagara Falls, NY  14304

Covanta Delaware Valley, L.P.
10 Highland Avenue
Chester, PA  19013

Covanta Huntington, L.P.
99 Town Line Road
East Northport, NY  11731

Covanta Onondaga, LLC.
5801 Rock Cut Road
Jamesville, NY  13078

Covanta Essex, Co.
183 Raymond Boulevard
Newark, NJ  07105

Covanta Huntsville, Inc.
5251 Triana Boulevard
Huntsville, AL  35805

Covanta Southeastern Connecticut Co.
132 Military Highway
Preston, CT  06365

Covanta Fairfax, Inc.
9898 Furnace Road
Lorton, VA  22079

Covanta Indianapolis, Inc.
2320 South Harding Street
Indianapolis, IN  46221

Covanta SEMASS Partnership
141 Cranberry Highway
West Wareham, MA  02576

Covanta Haverhill, Inc.
100 Recovery Way
Haverhill, MA  01835

Covanta Lake, Inc.
3830 Rogers Industrial Park Road
Okahumpka, FL  34762

Covanta Stanislaus, Inc.
4040 Fink Road
Crows Landing, CA  95313

Covanta Hempstead, Co.
600 Merchants Concourse
Westbury, NY  11590

Covanta Lancaster, Inc.
R.D. 1 Route 441
Marietta, PA  17547

Covanta Union, Inc.
1499 Route 1 North
Rahway, NJ  07065

Covanta Hennepin Energy Resource Company, L.P. (HERC)
505 6th Avenue
Minneapolis, MN  55405

Covanta Lancaster, Inc.
4850 Brooklake Road, NE
Brooks, OR  97305

Covanta Warren Energy Resource Company, L.P.
Mt. Pisgah Avenue & Quarry Road
Oxford, NJ  07863

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