

# COVANTA

Powering Today. Protecting Tomorrow.

## PROUD SPONSORS OF THE 18TH ANNUAL LONG ISLAND REGIONAL ENVIROTHON



### LEADERSHIP IN ENERGY-FROM-WASTE

Covanta is a world leader in providing sustainable waste and energy solutions. Annually, Covanta's modern Energy-from-Waste facilities safely convert approximately 20 million tons of waste from municipalities and businesses into clean, renewable electricity to power one million homes and recycle approximately 500,000 tons of metal. Through a vast network of treatment and recycling facilities, Covanta also provides comprehensive industrial material management services to companies seeking solutions to some of today's most complex environmental challenges. For more information, visit [covanta.com](http://covanta.com).

#### Covanta Babylon, Inc.

125 Gleam Street  
West Babylon, NY 11704



The Babylon Resource Recovery Facility began commercial operation in April 1989 and serves the Town of Babylon. With a moratorium on landfilling on Long Island, the Facility processes 750 tons per day of solid waste and generates up to 17 megawatts of renewable energy that is sold to Long Island Power Authority. Enhancing the Facility's positive effect on the environment is a water purification process in which leachate from the adjacent landfill, originally used by the Town, is treated and utilized in EfW operations. It is the first EfW facility in the United States to perform this function. In addition, it is the country's first zero-water discharge EfW facility, meaning that all wastewater from facility operations is treated on-site and recycled through the system.

#### Covanta Hempstead Company

600 Merchants Concourse  
Westbury, NY 11590



The Covanta facility in Hempstead, New York, opened for business in 1989. The Hempstead facility, Long Island's largest Energy-from-Waste (EfW) plant, provides environmentally safe municipal solid waste disposal for the nation's most populous township. The Hempstead facility is the cornerstone of the town's integrated waste service plan that includes an extensive curb side collection system for recyclable materials and a long-term agreement with nearby Brookhaven for disposal of ash residue.

The Hempstead facility processes waste on a 24-hours-a-day, seven days a week basis. Steam created in the combustion process drives a 78-megawatt turbine generator which produces electricity for in-plant use and for sale to the local utility.

#### Covanta Huntington, LLC

99 Town Line Road  
East Northport, NY 11731



The Huntington Resource Recovery Facility began commercial operation in December 1991, servicing the Towns of Huntington and Smithtown. The Facility processes 750 tons per day of solid waste, generating up to 25 megawatts of renewable energy that is sold to Long Island Power Authority. The Huntington Resource Recovery Facility is the cornerstone of an integrated solid waste management system for these communities where landfilling is prohibited by state law.

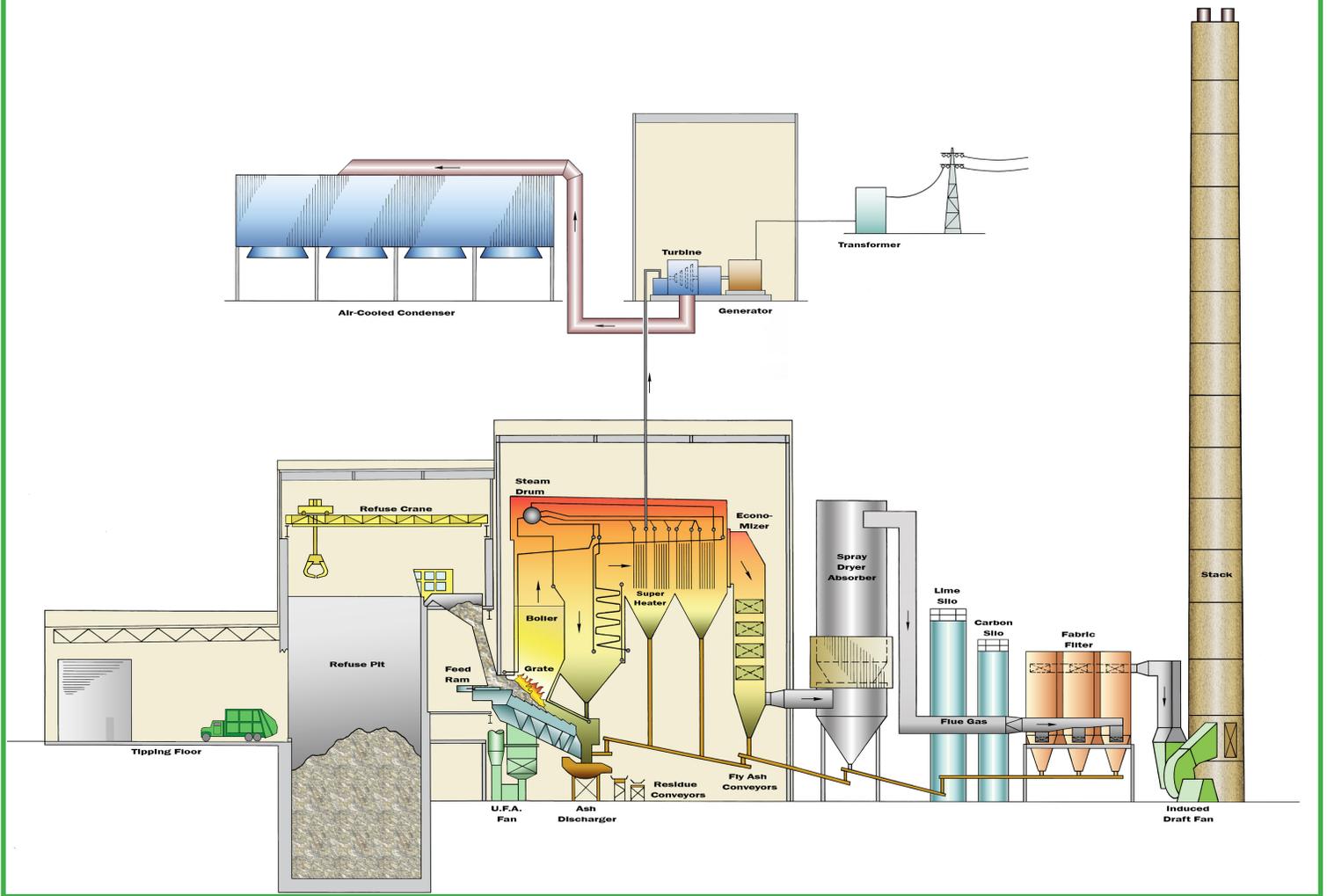
#### Covanta MacArthur Renewable Energy, Inc.

4001 Veterans Memorial Hwy.  
Ronkonkoma, NY 11779



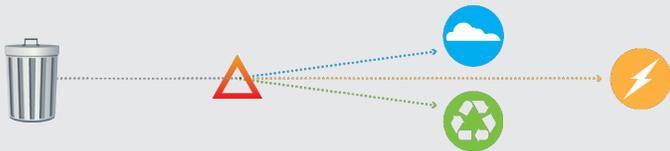
MacArthur Waste-to-Energy facility, operating as Covanta MacArthur, began commercial operations in March 1990 under an agreement with the Islip Resource Recovery Agency. The facility processes 485 tons per day of municipal solid waste, generating up to 12 megawatts (MW) of renewable electricity, or enough to power 12,000 Long Island homes.

# Typical Covanta Energy-from-Waste Facility



## HOW EFW WORKS

Solid waste is delivered to a facility and transferred to a combustion chamber where self sustainable combustion is maintained at extremely high temperatures. The heat from that process boils water to create steam that is either sold as is or, in most cases, used to drive a turbine, generating the electricity we sell. Ash is processed to recover metal for recycling. All gases are collected, filtered and cleaned before being released safely into the atmosphere.



## CONTACT US:

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