The Role of EfW in Sustainable Waste Management

Wheelabrator Technologies

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Julia Watsford, Vice President, Corporate Strategy & Market Planning

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Wheelabrator Technologies

Company Profile

Key Stats

Second largest energy-from-waste player in the U.S.

Operating Performance:

• ~7.5m annual waste processing capacity
• 853MW combined electric generating capacity – enough to power 805,000 homes in addition to our operations
• 92.3% availability
• 17 certified VPP Star Worksites

Assets:

Fleet of 20 operating assets

• 16 operating EfW in U.S. & U.K.
• 2 biomass facilities
• 1 waste coal facility
• 4 ash monofills
• 2 advanced metals recovery in addition to in-plant systems
• 3 development projects in U.K.

Operating Assets

(1) Saugus and South Broward also operate ash monofills.
(2) WTI manages Lisbon, Dutchess County, and McKay Bay and receives O&M fees.
(3) Putnam and Shrewsbury ash monofills include a metals recovery installation through a 50/50 JV with Inashco — Eco Recovery Solutions.
Energy-from-Waste Worldwide

What is sustainable waste management?

**United States:** Connecticut, Maine, Massachusetts, Minnesota & New Hampshire

**Europe:** Austria, Germany, Netherlands, Belgium & Switzerland

**Australia:** Sydney & Melbourne
Energy-from-Waste Plays A Key Role

Integrated sustainable waste management system

Wastewater Treatment
EW plants provide electricity and compressed air. Excess biosolids can be sent back to the EW plant for processing/disposal.

Composting
Organics can be turned into fertilizer, mulch, fertilizer, mulch, and other materials.

Fuel CNG

Anaerobic Digestion
Produces biogas, which can be converted into electricity or renewable natural gas.

Recycling

Energy-from-Waste

Steam for Industry
EW plants provide industrial facilities with steam for heating/cooling.

Landfill

Ash Reuse
Inert bottom ash can be reused as construction aggregate and in building products.

MRF
Recyclables are sorted into separate commodities for sale and reprocessing. Unusable residuals can be converted to energy.
Energy-from-Waste Drives Sustainability
Serving society’s changing and diverse needs

Sustainable Waste Management
- Disposes of MSW Sustainably
- Complements Recycling including metal recovery and ash reuse
- Avoids Landfill Use
- Creates Quality Jobs
- Infuses New Capital into Local Economy
- Improvements/Upgrades

Clean Renewable Energy
- Combined Heat & Power For commercial & industrial facilities
- Baseload, Renewable Electricity For homes and businesses
- Reduces Greenhouse Gases
- Displaces Oil Use
- Avoids Fossil Fuel Use

Local Economic Benefits

Environmental Sustainability
- GHGs

Wheelabrator’s Vision & Values

Part of the solution

“To Develop, Deliver and Realize The Potential of Clean Energy”