Anaergia

WHERE SOME SEE **WASTE**, WE SEE **RESOURCES**

Proprietary solutions to make wastewater treatment assets net producers of electricity while recovering energy, fertilizer and clean water from waste organics

Anaergia

www.anaergia.com

Source Separated Organics

- Residential & Multi-Unit Residential
- Commercial & Industrial Food Waste

Mixed Solid Waste

- Unsorted Municipal Solid Waste
- Heavily Contaminated Organic Wastes

Wastewater Biosolids

- Primary Sludge
- Waste Activated Sludge

Food Processing Waste

- High Strength Wastewater
- Waste Organic Solids

Redefining Recovery
using proprietary processes

Organics Pre-Treatment for Co-Digestion

Pre-treat organics and extract contaminants from mixed organics streams like grocer waste, restaurant waste and residential source separated organics.

- Over 95% of organics recovered
- Extracted packaging is sent for recycling

Greenfield Anaerobic Digestion Systems

Digesti multiple high strength waste streams using proprietary anaerobic digestion systems

- Digestion of primary and waste activated sludge
- Co-digest food waste, fats, oils, greases and SSO

Retrofit Existing Anaerobic Digestion Systems

Double the capacity of an existing digester and enable co-digestion by retrofitting an Omnivore (TM)

- Increase biogas and renewable energy production
- Utilize new capacity for co-digestion or expansion

Biogas Utilization - CHP using IC Engines

Utilize digester biogas as fuel to generate renewable electricity and heat for use in plant operations

- Reduce dependency on electrical grid
- Utilize waste heat for digester heating and drying

Biogas Utilization - CHP using Fuel Cells

Utilize digester biogas for generating renewable energy using fuel cells

- Increase net electrical efficiency and outuput
- Ultra-low emissions using a non-combustive process

Biosolids Drying and Pasteurization

Dry and pasteurize biosolids using waste heat from the CHP in a safe and efficient in-direct drying system

- Reduce energy consumption for drying
- Create Class A biosolids for beneficial reuse purposes

Our Approach to Recovery

Our fully integrated solutions are comprised of proprietary technologies that maximize the conversion of waste streams into useful products including renewable energy, renewable fuel, fertilizer and clean water.

- **20 years in the industry**
- **1,600 biogas projects**
- **200 turnkey biogas projects**

We relentlessly innovate to ensure our solutions advance sustainability, improve the quality of life for communities globally and provide long term economic returns for our customers.

Stronger Communities
through sustainable solutions

Anaergia has extensive experience delivering renewable energy solutions from municipal organic waste, wastewater biosolids , commercial food waste and industrial organic waste.

Municipal Wastewater Biosolids and Biogas Utilization

Food Waste and Source Separated Organics

Our Solutions are Defined by Your Needs

Process Engineering & Equipment Supply	Proprietary process engineering and equipment packages that allow clients to build, own and operate their own facility
Design-Build-Own-Operate-Finance	DBOOF and PPA solutions that provide long-term financial returns with no upfront capital investment or operating risk
Aftermarket Service	Supporting reliable long term operations through operations and maintenance contracts to process support

RENEWABLE ENERGY

Providing renewable energy from the world's organic waste streams:

- Renewable electricity
- Renewable heat
- Renewable natural gas
- Renewable CNG

NATURAL FERTILIZER

Recovering nutrients from food processing waste and source separated organics for:

- Organic fertilizer
- Soil Amendment

CLEAN WATER

Recovering and treating water from the waste streams for reuse

- Crop irrigation
- Industrial process water
- Cooling tower water
- Surface water discharge