



CT DEEP Solid Waste Management Advisory Committee



Turning Earth Business Model – The Triple Play™



We convert organic waste we are paid to manage into a number of valuable resources

Taking every penny off the organic waste while at the same time creating revenue diversification

The Triple Play[™] is truly closing the loop in a cradle to cradle manner

...the expansion of the biogas industry... hinges on innovative applications and business models rather than breakthrough technologies"

"Worldwide Power Generation Capacity from Biogas Will Double by 2022." Pike Research 5 November 2012 Organic "waste" in... food and compost out... and renewable energy in between!

Organic Waste

Food waste, yard waste, industrial organic waste streams and agricultural waste are diverted from landfills and incinerators and brought to our facilities.

Food
Utilizing heat produced from our biogas conversion activities, we create ideal conditions for the production of sustainably and locally grown foods.

Renewable Energy
Using a biological process called anaerobic digestion, we produce biogas which can be converted into many energy end products, including electricity, vehicular fuels and pipeline quality natural gas.

2 Compost

Following the biogas extraction process, the material is converted into compost and further refined into a variety of engineered soil products with a myriad of industrial, residential and agricultural uses and environmental benefits.

Proven Integrated
Organics Recycling Technology

Aikan: Unique 3-Step Integrated Process



Turning Earth holds the exclusive license to the Aikan Technology in North America

U.S. patents:

Apparatus Patent secured: U.S. Patent No. 8,329,455 issued December 11, 2012

Method Patent secured: U.S. Patent No. 8,492,134 issued July 23, 2013

International patent strategy:

Secure option to pursue international patents

Patent Cooperation Treaty ("PCT") Application filed July 2012

- Unique 3-step integrated high-solid anaerobic digestion ("HSAD" and invessel composting process
- Organic waste is introduced into the process modules
- 3 weeks of biogas production during HSAD phase
- 2 weeks of intensive invessel composting during composting phase
- Both the HSAD and composting phase take place in the same process module providing significant odor and environmental control



Aikan - Proven Process With 10 Year Track Record



No technology risk – Aikan is proven having operated very successfully for the past decade in Denmark

Straight-forward Process:
Organic waste is loaded into
a sealed process module

Liquid percolate containing methane-producing microbes is continuously recirculated through the organic waste and into the percolate tank for biogas generation

After the conclusion of the methane production process, the organic waste is composted within the same module

The Aikan advantage: Integrated anaerobic digestion and in-vessel composting

Organic waste is never exposed to the environment



Organic waste received



Mixing



Material is further converted into a rich compost



Emptied in receiving building



Loading process modules



Sorting and screening final product



Sorting and screening



Biogas production optimized in percolate tank



Sale of engineered soils



Covanta / Turning Earth Partnership



The partnership announced between Covanta and TE has two key components:

10 year agreement for TE Central CT project

- Collaboration on other similar projects in CT / MA

CT DEEP highly supportive of TE Central CT Project

Bristol, CT, October 28, 2013 – Covanta Energy Corporation (NYSE: CVA), a world leader in sustainable waste management and renewable energy, and Turning Earth, LLC an integrated organics recycling company, today announced a new partnership to provide organics recycling to Connecticut municipalities and businesses. The 10-year agreement calls for Turning Earth to build, own and operate an integrated organics recycling facility in central Connecticut to which Covanta will divert organic waste for beneficial reuse in partnership with municipalities and commercial customers. Covanta and Turning Earth will explore future opportunities in the Connecticut and Massachusetts region.

DEEP Comment on Announcement from Covanta Energy and Turning Earth on Plans for an Organics Recycling Facility

Deputy Commissioner Macky McCleary of Connecticut's Department of Energy and Environmental Protection today issued the following comment on news of plans from Covanta Energy and Turning Earth to build and operate an organics recycling facility:

"The Connecticut Department of Energy and Environmental Protection has been actively encouraging projects aimed at diverting food wastes and other organic material from the waste stream," said Deputy Commissioner Macky McCleary. "This is exactly the approach needed to drive down solid waste disposal costs and make more appropriate use of resources. It is also an approach supported by the state's Solid Waste Management Plan and the Governor's Modernizing Recycling Working Group."

Covanta Bundled Services



Comprehensive set of recycling and waste management services

Organics are a critical component given large % of MSW stream

- Covanta's Bundled Services Offering:
 - Organics Recycling
 - Single Stream Recycling
 - E-waste
 - Secure Medication
 - Bulky Waste
 - MSW
- Provides Customers:
 - One-stop shop
 - Reduced costs
 - Streamlined vendor management
 - High quality service offering

Our Strategic Partner - Covanta Energy Corporation



Strategic partnership with the largest waste-to-energy player

10 year partnership with Covanta and 16 municipalities for TE Central CT Project

Collaboration with TE enables Covanta to deliver a compelling organics recycling solution to its municipal and commercial customers

- Largest waste to energy ("WtE") infrastructure company in the world
 - \$2.3BN Equity Market Cap
 - \$480-495MM EBITDA
- 46 WtE facilities in North America
- Manages over 20 million tons of MSW
- Produces 8% of renewable energy in the U.S.

Note: (1) Q3 CVA management financial guidance aside from market cap.



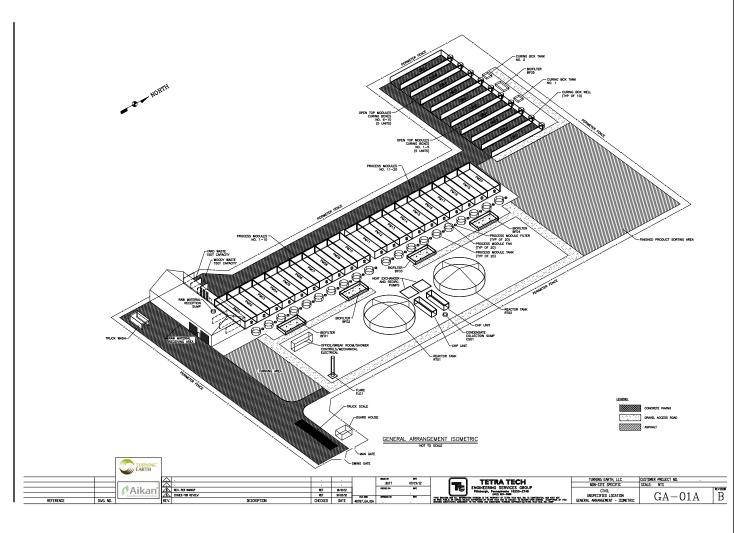
Facility Design & Construction



Turning Earth has partnered with Tetra Tech, one of the largest engineering and construction companies, to construct the Central CT Project

In addition to a strong balance sheet, Tetra Tech has designed and / or constructed over 100 similar anaerobic digestion facilities

The Central CT Project design is shown here





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