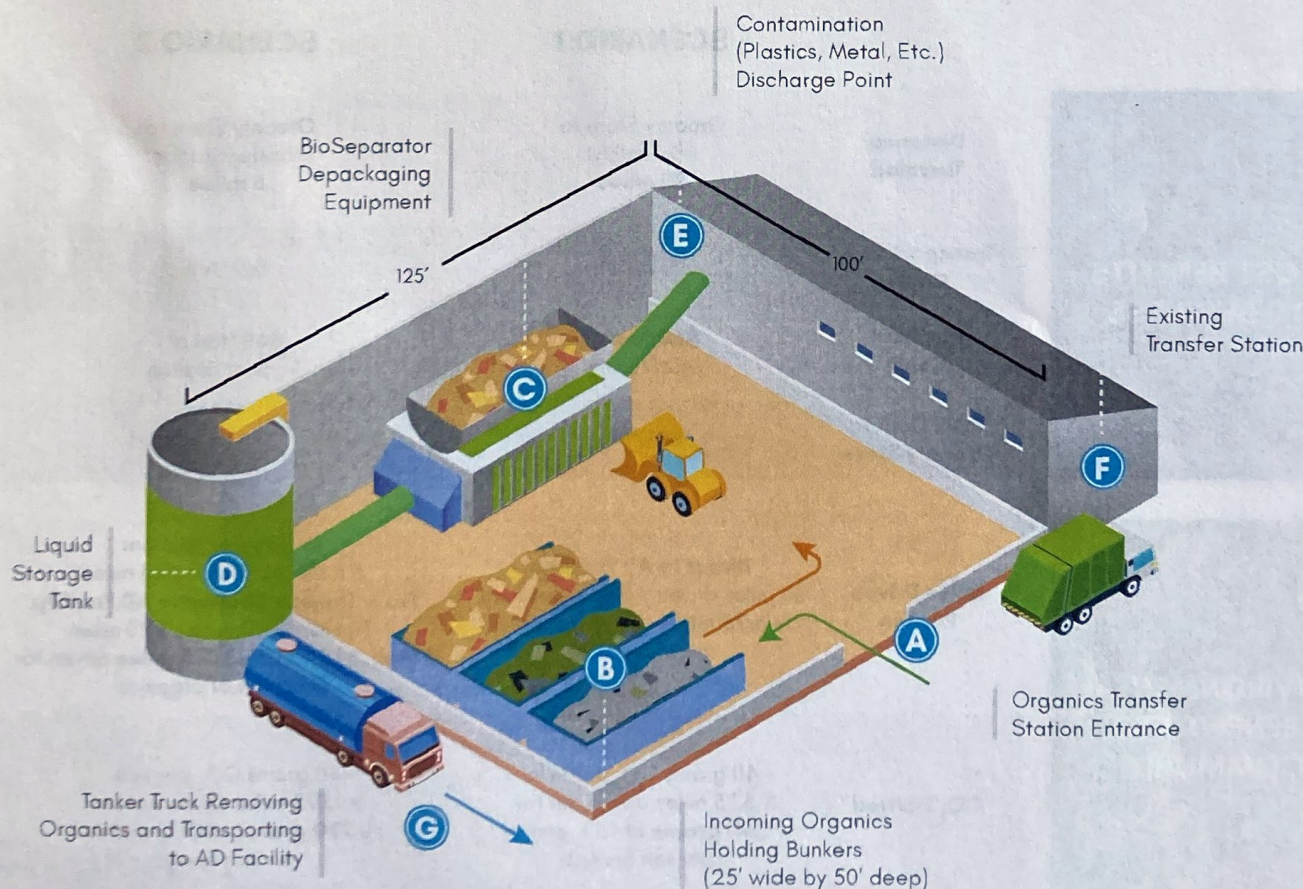


ORGANICS TRANSFER STATIONS

BioEnergy DevCo is interested in investing in and partnering with counties or cities to add organic waste collection and pre-processing to existing transfer stations. These organics transfer stations would accept and depackage pre- and post-consumer food waste and co-mingle the clean food waste slurry into a tank truck that would then be transported to a nearby anaerobic digestion facility.

Organics transfer stations allow for jurisdiction to offer food waste collection and disposal in their jurisdiction on a small footprint and minimal upfront cost. If, over time, the demand for food waste disposal expands past certain thresholds, BioEnergy DevCo would further invest to construct and operate a new anaerobic digestion facility in that jurisdiction.

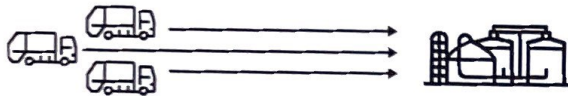
LAYOUT AND OPERATIONS



ORGANICS TRANSFER STATIONS

COST AND BENEFITS

SCENARIO 1



**Waste Hauled Directly to AD Facility
Without Transfer Station**

Example: A grocery store has 8 tons of food scraps picked up per week, collected in a compactor, picked up and hauled with a roll-off truck. The truck travels directly from the grocery store to the AD facility, and then returns with the empty compactor.

SCENARIO 2



**Waste Consolidated and Transferred
to AD Facility**

Example: The same grocery store has their organic waste picked up in the same compactor, but goes a shorter distance to a transfer station. Once there, it is depackaged and commingled with other organic waste, where it travels in a tractor trailer with a 20 ton capacity directly to the AD facility.

COST BENEFITS TO BUSINESS

	SCENARIO 1	SCENARIO 2
Distance Traveled	Grocery Store to AD Facility: 30 miles	Grocery Store to Transfer Station: 5 miles
Transportation Costs	\$25/ton	\$10/ton
Disposal Costs	\$60/ton at AD Facility	\$60/ton at Transfer Station
Total Cost to Grocery Store	\$85/ton	\$70/ton

ENVIRONMENTAL BENEFITS TO COMMUNITY

Miles Driven Per Ton	Direct to AD Facility: 30 miles driven / 8 tons per truck = 3.75 miles driven for every ton of organics	To transfer station: 5 miles / 8 tons = .625 miles From Transfer Station to AD Facility: 25 miles / 20 tons = 1.25 miles Total: .625 + 1.25 = 1.875 miles driven for every ton of organics
CO ₂ Emitted	411 grams CO ₂ per mile X 3.75 miles driven per ton = 1,541 grams of CO ₂ emitted per ton hauled	411 grams CO ₂ per mile X 1.875 miles driven per ton = 770 grams of CO ₂ emitted per ton hauled

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RENEWABLE ENERGY, HEALTHY SOILS



bioenergydevco.com



bts-biogas.com

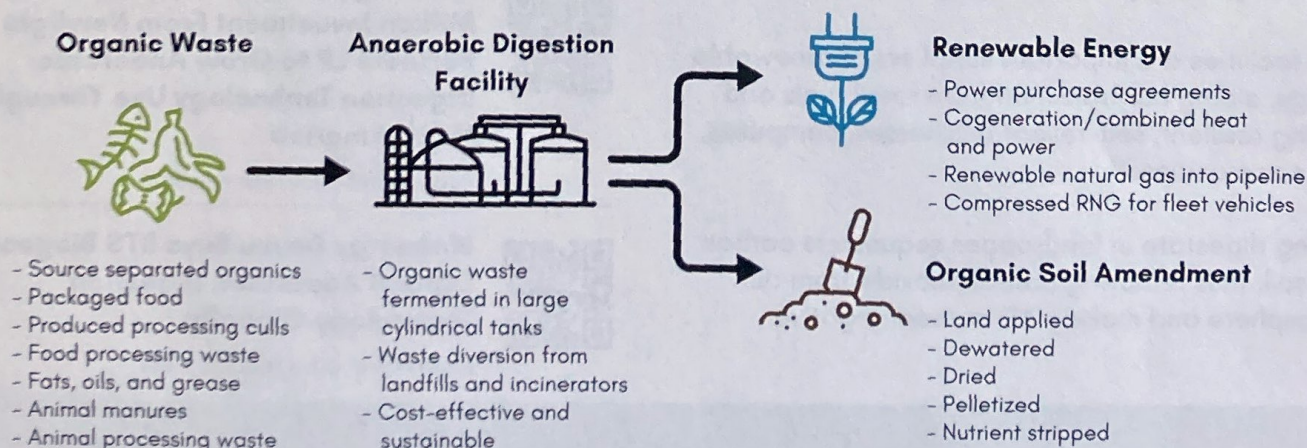
WHO WE ARE

Bioenergy Devco is a world leader in the finance, design, construction, engineering, and operation of anaerobic digestion facilities. Through its wholly owned subsidiary BTS Biogas, BDC can insure and guarantee facility performance of its more than 220 facilities worldwide. By seeing challenges as opportunities, BDC uses anaerobic digestion as an environmentally sound means of creating a true source of renewable energy while processing organic wastes and reducing air, water, and soil pollution in local communities. Based in Howard County, MD, BDC is currently developing four facilities in the United States.

Together, BTS Biogas and BDC lead the development, finance, design, construction and operation of anaerobic digestion facilities throughout the world.

ABOUT ANAEROBIC DIGESTION

Anaerobic digestion is a powerful technology that breaks down excess organic waste materials into renewable natural gas (RNG) and an organic soil amendment. BDC is focused on developing digesters for the emerging markets of processing and recycling food waste, fats and oils, and agricultural wastes.



OUR FACILITIES

MARYLAND FOOD CENTER AUTHORITY JESSUP, MD



Feedstocks: 110,000 tons/year of food waste, FOG, and dairy DAF

CI Score: (46.07)

Gas Production: 295,000 mmBTU/year

Target Operation Date: Q3 2021

About: Owned and operated anaerobic digester in the heart of Maryland's food processing with tenants that include Del Monte, Nestle, Coastal Sunbelt, and MFCA.

BIOENERGY INNOVATION CENTER SEAFORD, DE



Feedstocks: 200,000 tons/year of poultry DAF, waste activated sludge, and hatchery waste

CI Score: ~(40)

Gas Production: 415,000 mmBTU/year

Target Operation Date: Q2 2021

About: Owned and operated anaerobic digester in the center of the poultry industry on the Delmarva that facilitates the transportation of chicken process (DAF waste).

WHY ANAEROBIC DIGESTION?

- AD is a sustainable means of managing a variety of organic wastes by recycling it into valuable products instead of landfilling or incinerating.
- AD facilities produce digestate, an organic soil amendment with multiple horticultural beneficial uses. Soils amended with digestate absorb and retain more water, reducing the effects of drought and stormwater.
- The biomethane, or RNG, that is generated at an AD facility can replace natural gas.
- AD facilities are important suppliers of renewable energy, aiding our transition from fossil fuels and making resilient, self-reliant businesses, campuses, and communities.
- Using digestate in landscapes sequesters carbon into soil, thus removing carbon dioxide from our atmosphere and making AD carbon negative.

BDC IN THE NEWS



Bioenergy Devco and Chesapeake Utilities Corporation Partner To Bring Renewable Natural Gas to Customers on the Delmarva Peninsula

Read More: bit.ly/bdccucpartnership



Bioenergy Devco to Purchase Perdue AgriRecycle Organic Soil Composting Facility in Delaware

Read More: bit.ly/bdcperdue



Bioenergy Devco Announces \$106 Million Investment From Newlight Partners LP to Grow Anaerobic Digestion Technology Use Throughout North America

Read More: bit.ly/bdcnewlight



Bioenergy Devco Buys BTS Biogas to Expand Anaerobic Digestion Technology Globally

Read More: bit.ly/bdcbtspress

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