



About The BIC

The Bioenergy Innovation Center (BIC) takes in organic residuals from the region's poultry industry, virtually eliminating the need for landfill application, ensuring that pollutants do not contaminate local waterways. These excess organics are naturally recycled and repurposed instead of being left in a landfill, where they would decompose and release harmful greenhouse gasses.

Currently, organics entering the BIC are placed in a secure, clean and efficient composting facility that can turn 30,000 tons of poultry byproduct per year into clean, organic compost that can be used to enrich soils and grow natural, healthy foods at farms across the country. The BIC, based on local and state permits, will also be the showcase for Delaware's first utility scale anaerobic digester site where we transform poultry organics into renewable natural gas and sustainable energy products for energy, heating and transport.

About Bioenergy Devco

Bioenergy Devco is a global leader in the design, engineering, construction, financing and operation of advanced anaerobic digestion facilities. With a 20-year track record of using precision technology to insure and guarantee performance at the more than 220 facilities it has developed worldwide and the 150+ plant it continues to operate, BDC creates a true source of renewable, carbon-negative energy for pipeline and vehicle use.

In recycling organic material into natural gas, BDC creates circular economies in local communities, helping cities and companies achieve decarbonization, zero waste and renewable energy goals, while reducing air and water pollution, and creating healthier soils.

WHAT IS ANAEROBIC DIGESTION?



- Source separated organics
- Packaged food
- Produced processing culls
- Food processing residuals
- Fats, oils, and grease
- Animal manures
- Protein wastewater sludge
- Organics are fermented in large cylindrical tanks

Facility

- Waste diversion from landfills and incinerators
- Cost-effective and sustainable



Renewable Energy

- Power purchase agreements
- Cogeneration/combined heat and power
- Renewable natural gas into pipeline Compressed RNG for fleet vehicles

Organic Soil Amendment

- Land applied
- Dewatered
- Dried
- Pelletized
- Nutrient stripped