



Maryland Bioenergy Center is Maryland’s premier organics recycling facility. Centrally located in the Maryland Food Center in Jessup the facility is less than 30 miles from all of Baltimore and Washington, DC. Within this facility, excess organics produced by the region’s food manufacturers and retailers are transformed into renewable energy and fertile soil amendments.

This remarkable transformation both decarbonizes Maryland’s waste and energy sectors, enabling our businesses and communities to prepare for a healthy and sustainable future.

FACILITY SPECIFICATION

- » **Feedstocks:** 110,000 tons/year of solid and liquid food residuals and packaged food waste
- » **Energy Production:** 340,000 mmBTU/year (RNG)
- » **Digestate Production:** 16,575 tons/year for soil blending

ENERGY DETAILS

This commercial-scale AD facility generates 340,000 MMBtu of energy, the equivalent of:

- » The annual electrical consumption of **7,679** US households
- » **12,574** gasoline powered cars taken off the road for a year
- » **606** times the distance from Earth to the Moon by car (decarbonization impact)



ORGANIC WASTE

- Source separated organics
- Packaged food
- Produce processing culls
- Food processing residuals
- Fats, oils, and greases
- Animal manures

Inlet



Output



Outlet

RENEWABLE ENERGY

- Renewable electricity
- Co-generation /combined heat & power
- Renewable natural gas into pipeline
- Compressed RNG for fleet vehicles
- Green hydrogen

ORGANIC SOIL

- Nutrient-rich amendment, similar to compost for agriculture and horticulture uses
- Options to dewater, dried, palletized nutrient

ANAEROBIC DIGESTER

- Organics are fermented in large cylindrical tanks
- Organics diversion from landfills, incinerators and land application
- Cost-effective and sustainable

INDUSTRIES SERVED

Food manufacturers - Food Distributors - Foodservice companies
Universities and school systems - Institutions with cafeterias
Stadiums - Convention Centers - Commercial Centers

250

Facilities Built

150

Facilities Managed

25

Years of Experience

#1

Market Share in Italy and France