



DIVERT WASTE. GENERATE ENERGY.

Communities and organizations are seeking more sustainable and affordable sources of energy and methods of waste disposal. IMPACT BIOENERGY has pioneered a unique bioenergy solution that generates energy from existing waste streams, directly at their source, and thereby yielding the greatest economic and environmental impact.

IMPACT BIOENERGY systems have the capacity to convert 135 to 30,000 lbs. per day of organic waste into clean renewable energy, providing the ideal waste and energy solution. Our systems are ideally suited to allow small to mid-size communities and commercial generators of food waste, convert energy from their own food waste streams into energy.

REDUCE COSTS

IMPACT BIOENERGY's uniquely engineered and sized bioenergy units allow organizations and communities to practice onsite bioenergy food waste diversion, thus substantially reducing waste disposal and energy costs, generating a fast ROI. IMPACT BIOENERGY customers will benefit from the complementary economics of co-located, onsite renewable energy production and organic waste recycling, rapidly accelerating their return on investment.

GENERATE DISTRIBUTED ENERGY

IMPACT BIOENERGY's solutions offer continuous distributed, base load energy and heat production, reducing reliance on power transmission across the landscape, and providing energy independence and security. In addition to on-site bioenergy diversion our systems can be deployed in small to medium sized cities or at the peripheral areas of large cities, where the distributed generation of electricity and heat provides both cost and supply security. We can also store bioenergy to manage and reduce peak power demand charges.

ACHIEVE REAL SUSTAINABILITY

IMPACT BIOENERGY designs and manufactures solutions that allow for the on-site generation of energy from food waste, thereby reducing the environmental footprint associated with its hauling and disposal at distant landfills while also offsetting less sustainable forms of energy. In addition to reducing the environmental footprint of waste disposal and generating renewable energy, our technology also produces valuable soil co-products.



135 lbs./day Bioenergy System



1,000 - 5,000 lbs./day Bioenergy System

This ensures that local soil resources are conserved, reducing the need for increasingly harmful agrichemicals and engaging communities in the post-consumer food lifecycle. This means the organic matter can return to the soil as sequestered carbon as close to home as possible.

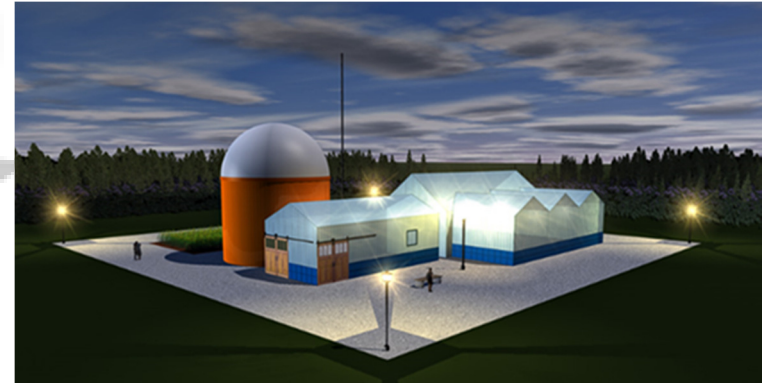
EASY TO DEPLOY

IMPACT BIOENERGY's prefabricated bioenergy units drive down capital costs and allow delivery and installation to be accomplished in under six months. With minimal space requirements, IMPACT BIOENERGY's plants can be deployed adjacent to organic waste streams or within an urban footprint allowing for the distributed generation of energy from waste.

- IMPACT AD 25 – 150 ft.²
- IMPACT AD 185 – 400 ft.²
- IMPACT AD 1000 – 3,000 ft.²
- IMPACT AD 5500 – 15,000 ft.²

The IMPACT Advantage

- + Reduce disposal and recycling costs
- + Minimal space requirements
- + Low capital and operational expenditures
- + Quick deployment
- + Decentralized electric and heat generation



AD 1000 Anaerobic Digester & Composting Finishing Unit

DIGESTIBLE MATERIALS WITH ENERGY POTENTIAL

IMPACT BIOENERGY systems can convert most food and paper products. Acceptable materials include kitchen trim, post-consumer dining room food scraps, meat, grease, oil, all edible liquids, seafood, dairy products, starch, sugar, fruit, vegetable, bones, soiled paper products, napkins, tissue, paper towels, waxed paper, grass clippings, leaves, small sticks, wood tableware (stir sticks, toothpicks, spoons, knives, forks), fats, fryer oil, grease trap waste, beverages, alcohol, soup, condiments, eggshells, glycerin, etc.

Product destruction and depackaging is possible with our thermo-mechanical systems. These systems can accept products in cans, bottles, hard plastic, and soft/film plastic. The packaging can be recovered for recycling. The contents can be recovered for digestion and bioenergy production.

CONTACT

Through our technologies, IMPACT BIOENERGY empowers our customers to achieve energy sovereignty, utilize their energy resources to the fullest potential and reduce their environmental impact. For more information on how you can reduce costs while becoming a leader in sustainability contact Jan Allen at IMPACT BIOENERGY at jan.a@impactbioenergy.com (206.250.3242).