



DIVERT WASTE. GENERATE ENERGY.

BIOENERGY SCALE – RATE – COST – VALUE SUMMARY

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, our systems can be deployed adjacent to organic waste streams or within a tight and valuable urban footprint allowing for the distributed generation of energy from waste.



TECHNOLOGY BRANDS

Our four commercial digesters are described below. They are all Anaerobic Digestion Systems that generate and store onsite renewable energy.



HORSE – Award winning technology! The scale is 25 to 175 tons per year per module



NAUTILUS – Our larger system with low carbon vehicle fueling and indoor farming. Scales up to 1,500 tons per year per module



OX – Capable of digesting commingled paper, wood, landscape and food. Scales at 215 to 1100 tons per year per module



SALT – Macro scale bioenergy alternative to legacy landfilling. Scales from 6,000 to 365,000 tons per year

System Name	Designation	Food Waste in tons per year input	Plant Food out gallons per year	Energy out MMBTU per year	Capital Investment	Operating Cost per year	Operating Value Stream per year
HORSE	AD 25 AD 25-1 AD 25-2	25 to 175	5,700 - 40,000	131 - 920	\$160,000 - \$464,000	\$4,300 - \$21,000	\$16,000 - \$97,000
NAUTILUS	AD 185 AD 185-2 AD 185-3	185 to 1500	42,000 - 342,000	972 - 7,880	\$540,000 - \$1,900,000	\$22,000 - \$147,000	\$102,000 - \$829,000
OX	AD 215 AD 550 AD 1100	215 to 1100	Custom	Custom	\$1,500,000 - \$2,900,000	\$22,000 - \$147,000	\$102,000 - \$829,000
SALT	SALT 6 120 365	6000 to 365000	Custom	Custom	Custom	Custom	Custom

Note: Capital Investment, Operating Cost, and Value Stream illustrations for specific situations - they are intended to be universal - each project will vary

Note: Energy out is the ultimate maximum rate used in design - assuming zero downtime and feedstock with very high energy density.

Note: Plant Food out is without any dehydration, concentration, drying, or other value-add unit operations

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 Mobile: 206.250.3242 Made in Auburn, Washington, USA