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**IMPACT BIOENERGY ANNOUNCES A BREAKTHROUGH DESIGN FOR  
ON-SITE BIOENERGY GENERATION FROM FOODWASTE**

*Seattle, WA – February 28, 2015* – Seattle-based Impact Bioenergy has just completed commercial delivery of its first micro-bioenergy system call the HORSE<sup>1</sup>. This is the first time any company has successfully manufactured an –off-grid, prefabricated, and portable biomethane system for small businesses. It looks good too. This small foodwaste digester is a complete system to convert food, paper products, grass and leaves into electricity, heat, hot water, and light. It has energy storage both as biogas and as battery electrical power. The system is completely sealed to eliminated odor, insects, and leakage. The system is so compact it fits into a 7' x 12' and is designed so it can fit onto a liftable skid or towable trailer. It can accept 135 lbs. per day of organic waste materials – equal to about 50 people.

Impact Bioenergy has successfully driven the price for this complete system to under \$30,000. This is a breakthrough technology in terms of scale and cost. It also enables individual businesses and organizations to eliminate disposal, make energy onsite, and make new soil and fertilizer for local food cultivation. The entire value proposition of the HORSE is based on local empowerment and sustainability. This is a triple-win technology.

- 40% of the food supply is wasted in the United States – enough to feed 128 million people (NRDC)
- 1000 lbs. of foodwaste can generate 770 kilowatt-hours of energy using microbes
- 1000 lbs. of foodwaste can generate 800 lbs. of water & 35 lbs. of soil & 0.3 lbs. fertilizer (WRAP)

There is no reason to waste and dispose of uneaten food anymore! The HORSE enables complete recovery of the food and converts it to useful resources. Impact Bioenergy has designed and built this small two-stage anaerobic digester and packaged it with heating, mixing, and a variety of renewable energy generation options. The system comes with a 120 volt AC generator, a 12 volt DC power storage system, radiant heat, hot water, and gas lighting.

The HORSE is manufactured in the Pacific Northwest and was intentionally designed to include demonstrating various renewable energy forms from biomethane. The HORSE is pre-fabricated and can be installed in a single day. It can operated completely independently from utility connections. It comes with a 120 volt power circuit so machines, appliances and tools can easily be connected. The microbial systems works continuously and biomethane is stored for daytime or nighttime use as it is needed.

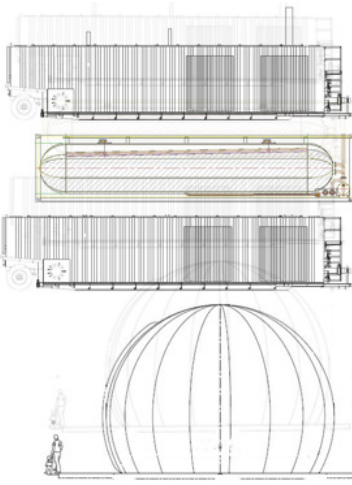
Impact Bioenergy has offices in British Columbia, Washington, and Oregon selling localized bioenergy technology, representing a paradigm shift in both waste management and renewable energy production. Impact's systems eliminate the costs and environmental impacts associated with the disposal and hauling of organic (carbon-based) wastes to distant facilities by converting them into heat, electricity, vehicle fuel, and soil amendments on-site at their point of generation.

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For more information on Impact Bioenergy's products and services: [www.impactbioenergy.com](http://www.impactbioenergy.com)

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<sup>1</sup> High-solids Organic-waste Recycling System with Electrical-output



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