

# Bainbridge Island HORSE biodigester finds new pasture

*PSE biodigester finds new home on Bainbridge Island, continues pilot test*

**BELLEVUE, Wash.** (Jan. 10, 2018) – The HORSE biodigester is now nestled into its new home at Pleasant Beach Village on Woodson Lane NE on Bainbridge Island.

The HORSE (High-solids Organic-waste Recycling System with Electrical output) recently moved to Pleasant Beach Village from Harbor Public House and began operation on Dec. 1. PSE is partnering with Impact Bioenergy and the four restaurants at Pleasant Beach Village to continue the pilot project on Bainbridge Island for one more year.

“The HORSE demonstrated the viability of using food waste to generate energy and fertilizer that supports the island economy during its stay at the Pub,” said Karen Brubeck, PSE’s outreach manager on Bainbridge. “This new opportunity at Pleasant Beach Village allows us to further test the technology and continue our work with the city to discuss a larger community-based project.”

Impact Bioenergy, based near Seattle, developed the self-contained, portable biodigester. The HORSE is designed to generate at least 5,000 kilowatt hours of energy per year. This innovative technology can generate the energy equivalent of one barrel of crude oil from about 3,000 pounds of food scraps. It also generates 5,400 gallons of nutrient-rich fertilizer per year, which can be returned to the soil to help grow more food.

Pleasant Beach Village, located on Bainbridge Island’s south end, is a walkable village with four restaurants, a 12-room inn, a pool club, retail shops and services, and residential living.

“We are partnering with Butler Green Farms to use the liquid fertilizer created from HORSE to grow organic produce here on Bainbridge Island,” said Carolyn Zipeto, operations manager for Pleasant Beach Village. “Additionally, we plan on capturing the electricity generated from HORSE and transfer it to portable renewable/rechargeable power banks. These banks will be used to power ebikes, electric vehicles and a variety of electrical equipment used in the Village’s daily operation.”

This pilot project is a natural extension of PSE’s ongoing interest in developing alternative sources of renewable energy. In 2004, PSE began partnering with dairy digesters as part of its Green Power program. Those digesters turn manure into methane that fuels an electric generator. PSE also has partnerships with two landfill gas digesters and are involved in digester discussions in other

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communities. The Green Power program has been recognized by the U.S. Department of Energy and the Environmental Protection Agency (EPA) as a leader in renewable energy development.

“PSE knows how important renewable energy is to Bainbridge Island residents,” Brubeck continued. “We thank Pleasant Beach Village for taking the reins into their hands and stepping up to host the HORSE. With one more year on Bainbridge Island, we will be able to learn much more about its energy capabilities. We are also grateful to Bainbridge Disposal for storing the HORSE before it made its way to the new host.”

We are inviting members of the media visit the digester at its new home on Thursday, Jan. 11. Here are the details:

Jan. 11, 2018 from 10 to 11 a.m.  
The Manor House/Beach House  
4611 Woodson Lane NE  
Bainbridge Island, WA 98110

Media will have the opportunity to tour the new digester and watch a demonstration of how the power generated from food scraps will charge a portable power pack and an ebike.

#### **About Pleasant Beach Village**

Pleasant Beach Village is a walkable village located in the Lynwood Center neighborhood on the south end of Bainbridge Island.

Pleasant Beach Village amenities include four restaurants, a 12-room inn, a pool club, retail shops and services, and residential living. Pleasant Beach Village also offers a premier wedding and events venue complete with a year-round, climate controlled event facility, wrap-around terrace featuring dramatic views of Rich Passage, an outdoor fireplace pavilion and lush landscaping.

Established in 2011, the Pleasant Beach Village development is one of the largest of its kind completed on Bainbridge Island, making it one of three neighborhood service centers on the island. For more information, please visit [PleasantBeachVillage.com](http://PleasantBeachVillage.com).

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