

# Fraser Richmond Soil & Fibre Richmond, British Columbia, Canada

**avus 1060**  
Biogas

## Fast Facts:

**Location:** Richmond, British Columbia

**Generating Capacity:** 1060 kW

**Configuration:** Container Module

**Extras:** Biogas Treatment System



## About the Site:

Harvest Power owns and operates one of the largest permitted food scrap and yard debris composting facilities in North America, known as Fraser Richmond Soil & Fibre, located in Richmond, BC near Vancouver, Canada. They use proprietary Covered Aerated Static Pile (CASP) composting and odor control technologies with specially designed bio-filters to produce hundreds of thousands of cubic yards of high-value compost-based products annually.

## Application

With this modern facility, Harvest plans to demonstrate a new and better way for communities to manage organic materials by empowering it through the production of renewable energy at the Richmond site. High Solids Anaerobic Digestion (HSAD) on a commercial scale allows this facility to be at the leading edge of harnessing energy from municipal food scraps and yard debris. During the first phase Harvest processes 30,000 tons of organic materials per year. By using anaerobic digestion combined with the composting operations, they are ushering in the next generation of organic management. An advanced 2G avus biogas CHP plant rated 1,060 kW/h is producing enough electrical energy to serve more than 1,500 homes in Vancouver. Thermal energy is fully utilized throughout the entire facility. The fully containerized and modular CHP plant is monitored 24/7.



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