

# Bio Junction City

**avus 1550**  
Biogas

## Fast Facts:

**Location:** Junction City , OR, USA

**Generating Capacity:** 1550 kW

**EXTRAS:** Biogas Treatment System

**Gas Type:** Biogas



## About the Site:

The facility is designed to take in food processing and grease trap waste along with grass, straw and render heat, biomethane, and a liquid/fiber fertilizer. The biogas will be used on-site to produce enough electricity to power at least 1500 homes (1.55 MW). The site was chosen both for the availability and proximity of feedstock to supply the plant and also the proximity of customers for the fertilizer produced by the process. The electricity is sold to the regional grid and the heat is used both on-site and for a future co-located compatible facility.



## Application

The 2G Cogeneration System is a 2G avus 1550 with fully integrated MWM engine rated 1,550 kW/h or 12,865 MW p.a. Electrical Power and 1,801 kWh/th of Thermal Power. The module consists of a 50' sound attenuated CHP container. 2G Energy Inc. also supplied the complete gas treatment, including dehumidification with reheating and the H<sub>2</sub>S removal system.

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