

Clean World Partner

patruus 190
Biogas

Fast Facts:

Location: Sacramento, CA, USA

Generating Capacity: 190 kW

Extras: Biogas Treatment System, SCR System

Gas Type: Biogas



About the Site:

The CWP site is an organic waste to energy plant facility. The anaerobic digester has the capability of digesting material containing up to 50 percent solids. The facility is designed to process 7.5 tons of commercial and retail food waste daily, along with ½ ton of non-recyclable corrugated cardboard. In addition to the CHP unit, 2G also supplied the complete gas treatment, including cooler, dryer/dehumidification, and the H₂S removal system. This advanced CHP system is equipped with BACT (Best Available Control Technology) for emissions control, coupled with an SCR (Selective Catalytic Reduction) technology package to achieve ultra-low emissions required in California.



Application

CWP utilizes proprietary high solids anaerobic digester technology to convert separated organics into energy and soil amendments.

The CHP system consists of a containerized 2G patruus 190 with an electrical load capacity of 190 kW/h or 1,577 MW/h per year. The thermal capacity is 235 kWh/th.

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