

Cedar Avenue Recycling & Transfer Station Fresno, CA, USA

filius 206
Biogas

Fast Facts:

Location: Fresno, CA, USA

Generating Capacity: 220 kW

Configuration: Container Module

Extras: Biogas Treatment System



About the Site:

This facility represents the latest generation of transfer station facilities. Unlike a traditional garbage dump, the CARTS facility is a fully integrated materials recovery facility, processing mixed recyclables from a variety of sources, including construction/demolition materials, trash and recycling from commercial, government, industrial, and residential customers. When a customer orders a trash or recycling dumpster or a trash or recycling roll off bin for home, business, or construction clean-up, it is taken to CARTS for recovery. CARTS recycles over 70% of trash and recycling collected, repurposing it into raw materials for transformation into new products for consumers.

Application

2G Energy Inc. was selected to supply the biogas/LFG energy conversion and CHP equipment because of reputation and experience. The scope of supply consists of a containerized 2G agenitor 206 with MAN engine, optimized for most efficient operation in LFG biogas configuration generating Electrical Power of up to 1,826 MW p.a., and approx. 244 kWh/th of Thermal Power. 2G also supplied the complete control and switchgear package, including utility interconnection. 2G Energy Inc. also received the order to supply a complete LFG biogas treatment system together with its CHP system. A special hot ambient temperature package is also included.



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