

BIOMASS

Bagasse Fueled Power Generating Facility



Rio Grande Valley Sugar Growers Association
Bagasse Fueled Power Generating Facility
Harlingen, Texas USA

Start Date: August 2006
Completion: December 2008
TIC: \$30 Million
HGA: 11,133 Man-hours

Project Description

The Rio Grande Valley Sugar Growers Association built a 16MW power generating facility that utilized sugar cane bagasse. Bagasse is the fibrous residue remaining after sugarcane or sorghum stalks are crushed to extract their juice. The project included the installation of storage facilities, material handling & process equipment, boiler, turbine-generator, electrical distribution system, and plant control system.

HGA Scope

HGA was hired by Factory Sales – the project EPC firm – to handle detailed engineering design for the project including the following items:

- High pressure steam piping design
- Turbine exhaust piping design
- Electrical system design
- Interconnect coordination
- Substation re-work
- Control system integration
- Turbine building & structural design (critical due to hurricane zoning)
- Foundation designs

PROJECT CONTACT

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