

BIOMASS

Heat Energy System Installation



NORBORD
Heat Energy System Installation
Jefferson, Texas USA

Start Date: March 2004
Completion: October 2005
TIC: \$30 Million
HGA: 22,660 Man-hours

Description

Hunt, Guillot & Associates, LLC (HGA) was contracted by Norbord to provide detailed engineering services for the installation of a new heat energy system at their Jefferson, TX Oriented Strand Board mill. This project was done as a strategic effort to better utilize biomass fuel and increase overall capital gains by reducing the mill's dependency on natural gas. The nearly \$30 million investment reduced the mill's gas consumption by approximately 70 percent and reduced the company's global natural gas consumption by nearly 25 percent.

HGA Scope

The project included the complete replacement of an existing natural gas/wood waste fired heat energy system that supplied heat to two existing OSB flake dryers and thermal oil to the press. HGA was responsible for the overall project plant layout and coordination. This task included designing foundations, electrical grounding, structural steel equipment supports, ductwork, new fuel and flake conveyors, and an MCC building. To minimize production downtime during construction, HGA designed the layout around existing equipment and met the challenge of routing ductwork at elevations of 60 feet or higher.



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