

# BIOMASS, BOILER, & POWER GENERATION



## Snowflake White Mountain Power

- Paper mill sludge & wood-fired 200,000 PPH 850 PSIG / 750°F BFB boiler
- Truck dump unloading system
- Hog fuel stack-out & over-pile reclaim system
- Paper mill sludge pressing & conveying
- Boiler feed system
- 25 MW generator
- Cooling towers

## Timber Products

- Feasibility study for plant conversion

## Wood Pellets

- Various feasibility studies for plant conversion
- Detail plant engineering

## Aurora Energy

- Coal-fired power plant evaluation
- New ID fans & baghouse

## Biomass Products LLC

- Developed biomass plant bidding information for 25 MW plant
- Site work design

## Boise Cascade

- Waste wood conveying
- Bark hog installation
- Hog fuel storage & conveying systems
- Under-pile reclaim

## Charcoal Manufacturing

- Bark storage & reclaim
- Truck dumps
- Screening system
- Conveying systems

## Champion International

- Hog fuel storage & conveyors
- Stoker reclaim

## Dow Corning (Globe Metallurgical)

- Hog fuel conveying system

## EW Corporation

- Fuel handling systems

## Georgia-Pacific - Monticello MDF

- Energy systems design

## Green Energy

- 7.5 MW biomass-to-energy plant design

## Trus Joist

- Truck unloading system
- Conveying systems
- Under-pile reclaim system
- Hog fuel boiler feed system

## Simpson Timber

- Hog fuel conveyors
- Bark hog installation

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### **Smurfit (SP Newsprint)**

- Modified hog fuel feed system to 250,000 PPH boiler
- Modifications to truck dump & hopper

### **Timber Management, LLC**

- Biomass plant feasibility study

### **International Paper**

- Complete hog fuel system for bark-fired 120,000 PPH boiler

### **Marubeni Sustainable**

- Power plant permitting

### **Murphy Plywood**

- Hog fuel reclaim system
- Dry / wet fuel mixing system

### **Rosboro Lumber**

- Bark hog metering controls

### **Weyerhaeuser**

- Package boiler fuel systems

### **Southwest Forest Products**

- Hog fuel conveying
- Bark hog installation
- Storage & reclaim design
- Boiler feed system

### **Chow II**

- Assisted general contractor with installation of sizing system for biomass wood processing in power plant woodyard

### **Thompson River**

- 16.5 MW/130,000 PPH steam cogeneration plant design
- Combination coal & wood waste
- Turbine island & cooling tower design

### **El Nido**

- Assisted general contractor with installation of sizing system for biomass wood processing in the woodyard of the power plant

### **Imperial Valley Resource Recovery**

- 18 MW power plant redesign
- Assisted general contractor with details for equipment design
- Provided start-up assistance

