

# ENERGY CONSERVATION

**CLIENT:** Rosboro Lumber Company  
**LOCATION:** Springfield, Oregon

The scope of this project was to provide SUB (Springfield Utility Board) with documentation for verification of potential energy conservation and replacement of a 400 horsepower, 480 volt hog. The project consisted of the following:

- ▶ Initial load measurement of existing power consumption
- ▶ Development of an overall project proposal
- ▶ Final verification load measurement of the new equipment

Evergreen, working with mill electricians, provided the services of modification of a 30-year-old medium voltage starter, adding intermediate potential and current transformers to reduce the signal level for connection of Dranetz Demand Analyzer. Readings were taken on one-minute intervals for fifteen minutes, then reset to fifteen-minute intervals for a six working day period. The readings recorded were demand kilowatts, kilo volt-amps, kilo volt-amps reactive, and power factor with a daily summary. A project proposal was provided to SUB identifying project scope costs and potential energy savings followed by verification of load measurements.



## EVERGREEN ENGINEERING

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