

# POWER PLANT CONTROLS

## Pacific Corporation

Chehalis, Washington

- I/O's and wiring for controls
- Piping and structural for high pressure package boiler installation
- Equipment foundation design drawings
- Structural steel plan and detail drawings
- Electrical duct bank, cable tray, conduit layout, grounding and lighting drawings
- Electrical load lists
- Electrical cable and raceway lists
- Electrical panel schedules
- DCS cabinet termination diagrams
- DCS logic diagrams
- DCS graphic sketches
- Instrument installation details for gas flow meter
- Instrument location plans for gas flow meter



## Thompson River Co-Gen, LLC

Thompson Falls, Montana

- 13.2kV distribution for station, boiler, and sawmill power
- 480V distribution
- EDSA power system analysis
- 13.2-115kV step-up substation and tie-in to utility 115kV transmission line
- Coordination of power system protection relays

## Snowflake White Mountain Power

Snowflake, Arizona

- Addition and modification to protect scheme for 13.kV substation
- Power system analysis
- Specification and integration of turbine generator controls including governor, static exciter, protection relay, hydrogen cooling system and vibration system
- Operator interface, CCTV monitoring and communication network design
- Utility control compliance interface
- Installation and maintenance documentation



**EVERGREEN ENGINEERING**

Eugene, Oregon (541) 484-4771 • Atlanta, Georgia (404) 267-1471

[www.evergreenengineering.com](http://www.evergreenengineering.com)