

E.E. CLOUSE SUBSTATION

KLICKITAT COUNTY PUBLIC UTILITY DISTRICT
GOLDENDALE, WA
MR. JIM SMITH, P.E.

COMPLETION DATE: 2002
PHONE: (509) 493-9551

PROJECT DESCRIPTION

ECI provided engineering services for construction of the E.E. Clouse Substation located in Goldendale, Washington. The project consisted of interconnecting to the Goldendale Energy Project Generation Plant 250 MVA generator step-up transformer with an ultimate six 230 kV breaker ring stepping down to a six breaker 115 kV breaker ring and four 12.47 kV feeders. ECI was responsible for complete physical and electrical design including ultimate/general arrangement, grading plan, grounding, foundations, cable, conduit and cable trench system, oil containment, control building arrangement, material lists, relay and control panels, wiring and assistance with startup and testing.

Alarm and instrumentation functions were provided through local touch screen displays and on HMI.



E.E. Clouse Substation

KEY FACTS & HIGHLIGHTS

- ◆ 230-115-12.47 kV SUBSTATION
- ◆ COORDINATION WITH GENERATION FACILITIES
- ◆ PREPARED MATERIAL & CONSTRUCTION SPECIFICATIONS
- ◆ INCLUDED TRANSMISSION LINE RE-ROUTE



E.E. Clouse Substation

◆ *Engineering With Distinction* ◆

