

STEAM TURBINE INSPECTION & REPAIR

TRANSALTA CENTRALIA GENERATION
CENTRALIA, WASHINGTON



DESCRIPTION:

TransAlta owns and operates the Centralia Power Plant located in Centralia, Washington. The 1,500 MW coal fired plant contains two Westinghouse steam turbines nominally rated at 750 MW each. NAES performed a valve inspection and repair on Unit 1 and exciter and ancillary work on Unit 2 during the 2005 spring outage cycle.

SERVICES PROVIDED:

- Complete removal and disassembly of the governor and throttle valves
- Removal of the intercept valves to remove screens
- Complete rebuild of the governor valve sealing surfaces, including preheat, automated welding, machining, and stress relief
- Shop inspection and repair of eight governor valves
- Replacement of exciter and realignment
- Wash and soak of both units

NAES also provided the technical direction on each shift during the outage, including pre-outage planning.

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