

John Day Dam Generator Cooling Water System

The purpose of this project is to prevent or reduce water infiltration into the main unit generator windings to eliminate future failures at John Day Dam. The project involves replacing generator cooling equipment regarding modulating control valves and controls, air cooler vent piping, header and drain piping, piping directly over the air coolers, and existing flow gauges for the generator air coolers and thrust-bearing coolers. Replacement of the Cooling Water System will address the following issues:

- Eliminate water leaks in the generator barrel
- Improve water drainage in the generator barrel
- Reduce condensation within the generator barrel