

## **Hills Creek Main Unit Breakers**

This project seeks to upgrade the Main Unit Breakers and Electrical Reliability at Hills Creek Dam, replacing the following equipment: the Powerhouse medium voltage switchgear lineup, LV 480V station service distribution system, and 125VDC/120VAC (preferred) distribution system; the Intake Structure LV 480V station service distribution system; the Duct Bank electrical and communications cables; and the Diesel Generator Building diesel generator and fuel tank.

The Hills Creek Lake Project is located approximately 45 miles southeast of Eugene, Oregon on the Middle Fork of the Willamette River. Hills Creek and Lookout Point Lake are operated as a unit for control of floods and generation of power. Hills Creek powerhouse has two generating units capable of producing 15 MW each. These Francis type units were placed into service in 1962. Hills Creek is operated remotely from Lookout Point. Since most of the equipment in the facility is original equipment, most of the electrical equipment in the Hills Creek facility should be considered for replacement.