

The Dalles Station Service Improvements

The Dalles Station Service Improvements project involves a system upgrade at the Dalles Dam of two new station service transformers of increased capacity that are adequate for present and future loads. It also relegates the existing hydro station service units to a “base load” standby source in order to minimize maintenance and maximize remaining useful life. Engineering studies indicate the existing demand load is approximately 6.6 MW’s. Under this project, the revised demand load will be reduced to approximately 4.8 MW’s by moving the loads external to the dam structures from the 4.16 kV system and transferring them to the 13.8 kV system that already serves such loads. The creation of two physically separated bus systems to serve load will create system redundancy for delivery of the station service power.

Total project capital cost, including overheads and AFUDC, is estimated to be \$18,043,800 million with expected energization date of September 3, 2011.