

Grand Coulee Transformer Replacements G11 – G18

This investment will replace all the transformers in the Right Powerplant – 24 single-phase units. There is currently a separate project underway to replace the transformers in the Left Powerplant. The existing transformers range in age from 56 to 66 years. The existing transformers are under-rated for their generators. They also contain a significant amount of oil (containing PCBs in some cases) that poses an environmental threat, should they fail or leak.

This investment is part of a set of investments (including exciters, governors and windings) that represents a systematic replacement and upgrade of the electrical equipment in the Left and Right Powerhouses. The work will be scheduled in a series of six-month outages where the units are taken out of service one-by-one to perform this capital work as well as scheduled maintenance work. This approach is far more efficient and less costly than taking outages for individual component replacement contracts.