

## **Ostrander 500 kV Transformer Bank Addition**

This project will install a new transformer bank at the Ostrander substation, while removing a leaking transformer bank at the McLoughlin substation. The new transformers at Ostrander will assume the function of the McLoughlin transformers that are removed. The project will also include a full environmental clean up at the McLoughlin substation.

The McLoughlin transformer bank was installed in 1969 on a BPA easement on PGE property within PGE's McLoughlin substation. The transformer bank has been leaking oil and is currently out of compliance with the Clean Water Act. It is also located within a residential area and has been noisy enough to violate BPA's noise policy. A sound wall was erected around the transformer bank 1978. In 1981, an enclosure was built around each transformer to further reduce the sound level. However, the sound barriers have created an impediment for maintenance crews attempting to stop oil leaks on the transformers.

The outage window required to replace the transformers and perform the clean up at their existing location (PGE's McLoughlin substation) was determined to be unacceptable. The transformer bank installation at Ostrander will bring BPA into environmental compliance at McLoughlin, improve maintenance practices and eliminate the possibility of violating noise ordinances at McLoughlin.

The proposed project's capital cost, including AFUDC and overheads, is estimated to be \$26.9 million. The project is expected to be completed by August 30, 2012.