

Olympic Peninsula Reinforcement Project

This project replaces an existing 14.5 mile section of 115kV line with a double circuit 230kV line. The double-circuit 230-kV line will be on lattice steel structures that will be taller than the existing 115-kV wood poles. The new line connects with an existing BPA 230-kV line that runs between Olympia Substation and Satsop Substation. The new line will be on existing BPA right-of-way for almost its entire length. New equipment will also be added inside the existing fenced electrical yards at Olympia and Shelton substations in order to integrate the upgraded line into the system.

This project is non-discretionary and is required to mitigate the effects of a single element loss of either the Olympia 500/230kV transformer or Paul-Olympia 500kV line and the effects of multiple common mode contingencies such as the loss of two or more Bulk Electric System (BES). This project also addresses load service planning guidelines to meet all system reliability requirements but may involve some interruption to load service.

The total capital cost for this project, including overheads and AFUDC, is expected to be \$38.2 million and is scheduled to be completed by December 2009.