

Central Ferry Generation Interconnection

This project was proposed in response to an interconnection request under Attachment L of the Bonneville Power Administration Open Access Transmission Tariff. Renewable Energy Systems America, Inc. (RES) submitted five requests for generator interconnection. Puget Sound Energy has since acquired the rights to those requests and refers to the projects as the Lower Snake Wind Projects. The projects include 1250 MW of wind generation in three phases.

The interconnection plan-of-service is for BPA to build a new Central Ferry 500/230 kV substation. The interconnection plan-of-service also includes the installation of associated control and communications at various sites, fiber additions and BPA control, RAS and communications equipment at customer owned collector substations. The project also includes replacement of the Lower Snake RAS system with a new, automated RAS system. This replacement is required to accommodate the wind generation projects in the area as the existing RAS scheme has become too complicated. This requires control and communications equipment replacements at 14 sites plus control center additions, revision to the RAS A and RAS B controllers and fiber additions from Franklin to Hatwai. These costs are all included in the network upgrades that Puget will fund.

As part of this project, BPA will fund a set of fiber replacements. Planning has determined that high-capacity digital communications are required to support the new automated RAS system. The final communications plan had already identified the need for replacement of the existing Lower Snake communications system with a fiber system at some point in the future. The addition of wind generation in the area accelerates the need for the fiber project and will support other wind generation being proposed in the area.