Sammamish-Juanita 115 kV transmission line project

Delivering your energy future

Fact sheet
PSE.com

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What is the project?
Peak customer demand at times can strain and/or exceed the capacity of the existing electric grid in northeastern King County, reducing our ability to reliably serve power to our customers in the area.

To increase electric system capacity and improve reliability for our customers, Puget Sound Energy plans to construct approximately 4 miles of 115 kilovolt transmission line from our Sammamish substation (9221 Willows Road NE in Redmond) to or near our existing Juanita substation (10910 NE 132nd Street in Kirkland). PSE is working with Kirkland and Redmond community members to select a preferred route for the project.

Where will PSE build the new transmission line?
At this time, we have not selected a route. Building on past public input on the project, we are convening a stakeholder advisory group to help us develop and evaluate possible routes. We will be holding additional public meetings during the route selection process.

Why does PSE need the new transmission line?
Demand for power is growing – our customers use more electronics and there are more and larger homes and businesses in the communities we serve. With the increased demand for power in the Kirkland, Redmond, Kenmore, Bothell and Woodinville areas, our local transmission lines are approaching their capacity limits. Under certain conditions, including during summer and winter peaks (periods of the heaviest use of electricity for cooling or heating), the existing system can be overloaded, resulting in loss of service to our customers.

We need to accommodate this growing demand for power in order to continue to provide reliable power to our customers. Adding a new 115 kV transmission line will allow PSE to respond to the area's current and future need for power and reduce the possibility of system overloads, while increasing overall reliability to our 57,000 residential, commercial and industrial customers in the area.

How will this benefit you and your community?
The new transmission line will increase our electric capacity and improve reliability for our customers in the Kirkland, Redmond, Kenmore, Bothell and Woodinville areas.

Project schedule
- Initial community meetings: Summer 2008 and spring 2009
- Stakeholder advisory group meetings: Fall 2011 – winter 2012
- Community meetings: Fall 2011
- Route analysis and selection: Winter 2012
- Community meeting: Winter 2012
- Design and permitting: Spring – fall 2012
- Construction: Summer 2013
- Completion: 2013

What will the work entail?
- Trimming and removing vegetation along the route
- Installing new transmission poles and insulators
- Stringing transmission line
- Site restoration, including landscaping

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Construction will be confined to normal daytime working hours during the week, with the possibility of some work on Saturdays. When working in or along roads, signs and flaggers will help direct traffic.

Why are transmission lines necessary?
Transmission lines are key elements in the electrical distribution system. The lines safely transport high voltage electricity from power generation sources like dams and wind farms to substations in local communities. Transmission normally takes place at voltages of 55 kV and higher.

PSE's commitment
PSE's mission is to deliver vital energy to meet the needs of our customers now and in the future. We are committed to keeping everyone informed of scheduled activities in their communities, and to ask for suggestions and opinions as we plan those activities.

For additional information/questions, please visit our project Web page at www.PSE.com/SammJuan115 or contact:

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We also welcome your comments and questions on our Sammamish – Juanita 115 kV transmission line project at info@sammjuan115.com.

Sammamish - Juanita
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