PUGET SOUND ENERGY

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fact sheet

The Project

The Energize Eastside project will build a new electric substation and higher capacity transmission lines to serve homes and businesses on the Eastside. This effort will upgrade our existing transmission system and provide more dependable power for all Eastside communities for many years to come.
These aren't the electric distribution lines that you see serving the homes in your neighborhood. These will be electric transmission lines, which have a larger capacity than distribution lines and transmit enough electricity to serve entire cities.

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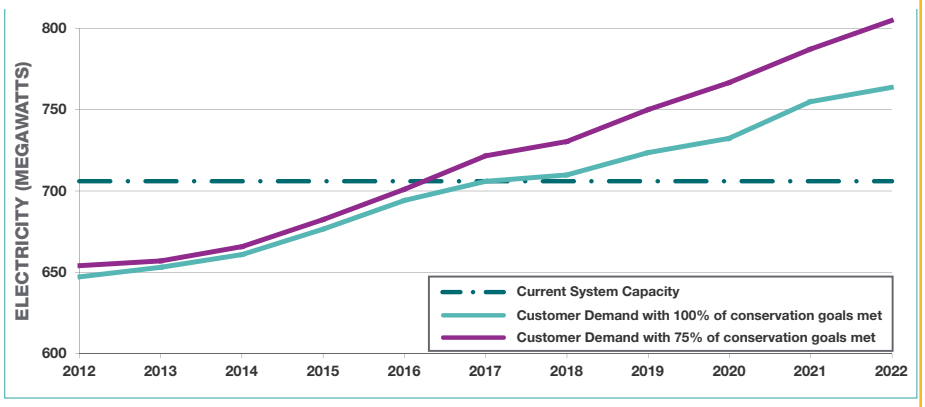
- Will construct a new electric substation and approximately 18 miles of transmission lines from Redmond to Renton
- Will ensure the Eastside's power system can continue to support the area's dramatic growth
- Route identification occurring now; construction to begin in 2017
- We want to hear from you: find us at pse.com/energizeeastside

Growth is straining our region's existing transmission system

You can see it everywhere – from Renton to Redmond, cranes are up and traffic congestion is increasing. The Eastside is growing faster than any other region in Washington. World-class businesses are moving in and job growth is on the upswing. At the same time, this good fortune is straining our region's existing electric system. Growth studies project that demand for reliable power will exceed capacity as early as 2017. This doesn't mean the lights will go out, but without substantial electrical infrastructure upgrades and aggressive conservation efforts, the Eastside's power system will lose redundancy, increasing the possibility of outages for as many as 60,000 customers.

Eastside customer demand forecast

This chart shows customer demand with 100% and 75% conservation goals met compared to our current electric transmission system's capacity. Even with PSE customers meeting 100% of conservation goals, growth studies project that by 2017-2018, demand will exceed our ability to provide dependable power.



Conservation alone is not enough to meet the challenge

Over the last 30 years, PSE has taken significant steps to get the most out of the existing electric system. Since 1979, PSE has spent millions on energy efficiency and renewable power programs. In fact, through upgraded lighting, appliances and equipment, increased weatherization, and energy-efficient building technologies, PSE customers helped us save enough electricity to power 30,000 homes in 2012. However, conservation alone is not enough. We have approached the limit of what we can do and have outgrown the electric system that serves our Eastside communities.

Our Eastside economy and population are growing far faster than our conservation efforts can keep up. Without substantial electrical infrastructure upgrades, tens of thousands of residents and businesses will be at risk of more frequent and longer power outages.

PSE's Energize Eastside will power the Eastside's growth into the future

PSE and independent experts conducted multiple independent analyses of the existing system and a variety of options to address the growing need on the Eastside. You can read these reports on the project website at pse.com/energizeeastside.

In addition to looking at building a local generation facility, PSE also examined options like underground transmission lines and emerging technologies like battery storage and demand response. However, PSE determined that underground transmission would be cost-prohibitive (unless funded by those requesting it) and very difficult to construct in the Eastside environment, while new technologies either wouldn't address the need or haven't been tested at the scale necessary for the Eastside.

After a comprehensive review, PSE determined that a combination of continued conservation and infrastructure upgrades – a new substation

and higher capacity transmission lines – is the only way to reliably meet the Eastside's growing energy needs. The new substation will provide additional capacity to ensure the local electric system can accommodate our customers' growing energy usage, while the transmission lines will ensure we can deliver that additional capacity to the Eastside communities that need it the most.

Working with the community to determine a route

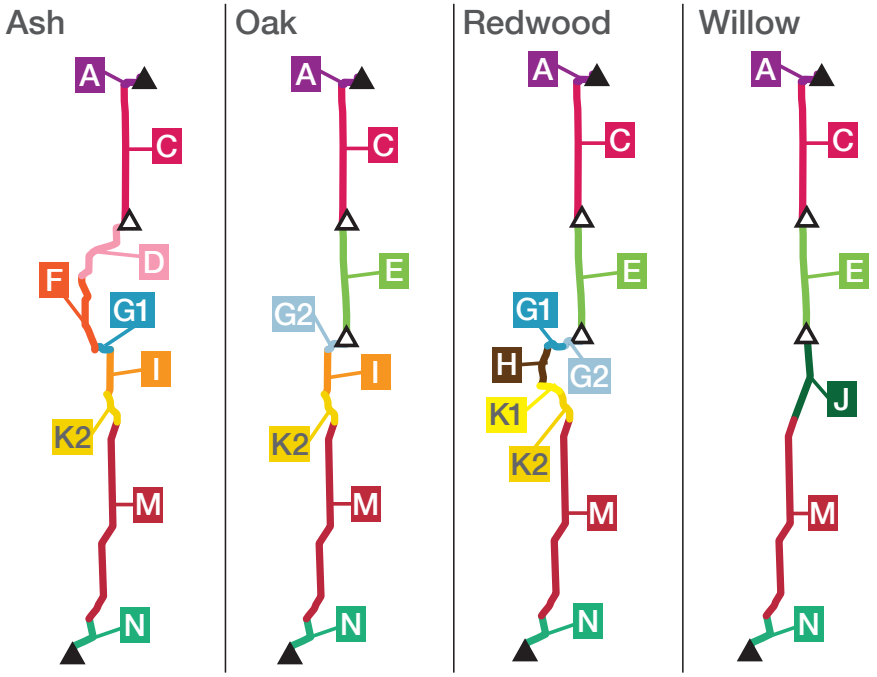
Since launching the project in December 2013, PSE has met with Eastside residents, businesses and community leaders to share more information about the project and to review potential route segments that can be combined to create a route for the new 230 kV transmission lines.

PSE has also collaborated with a Community Advisory Group, a group of representatives from various interests, including neighborhood organizations, cities, schools, economic development groups, social service organizations, major commercial users, an environmental organization and a property developer.

In October, the Community Advisory Group selected routes Ash, Oak, Redwood and Willow as their preliminary route recommendation. PSE is asking the community to provide feedback on this preliminary recommendation. In December, the advisory group will consider the community's feedback again before finalizing their recommendation.

Preliminary route recommendation

The Community Advisory Group* selected the following four routes as their preliminary route recommendation:



*Fifteen advisory group members supported the recommendation, two abstained and one had a dissenting opinion to include only three routes.

Route options removed from consideration

The Community Advisory Group evaluated and removed from consideration the following 14 potential route options:

Aspen*	A C E G2 I K1 L N
Cedar*	A C E G1 G2 H L N
Cherry	A B F G1 I K1 L N
Cottonwood*	A C D F G1 G2 J M N
Dogwood	A C D F G1 G2 J K1 K2 L N
Elm*	A C D F G1 G2 J K1 K2 L N
Fir	A C E J K1 K2 L N
Laurel*	A C D F H L N
Magnolia	A C D F H L N
Maple	A B F H L N
Pine*	A B F G1 I K2 M N
Poplar	A B F G1 G2 J K1 K2 L N
Spruce	A B F H K1 K2 M N
Sycamore*	A B F G1 G2 J M N

*These were evaluated in the Multi-Objective Decision Analysis (MODA) evaluation

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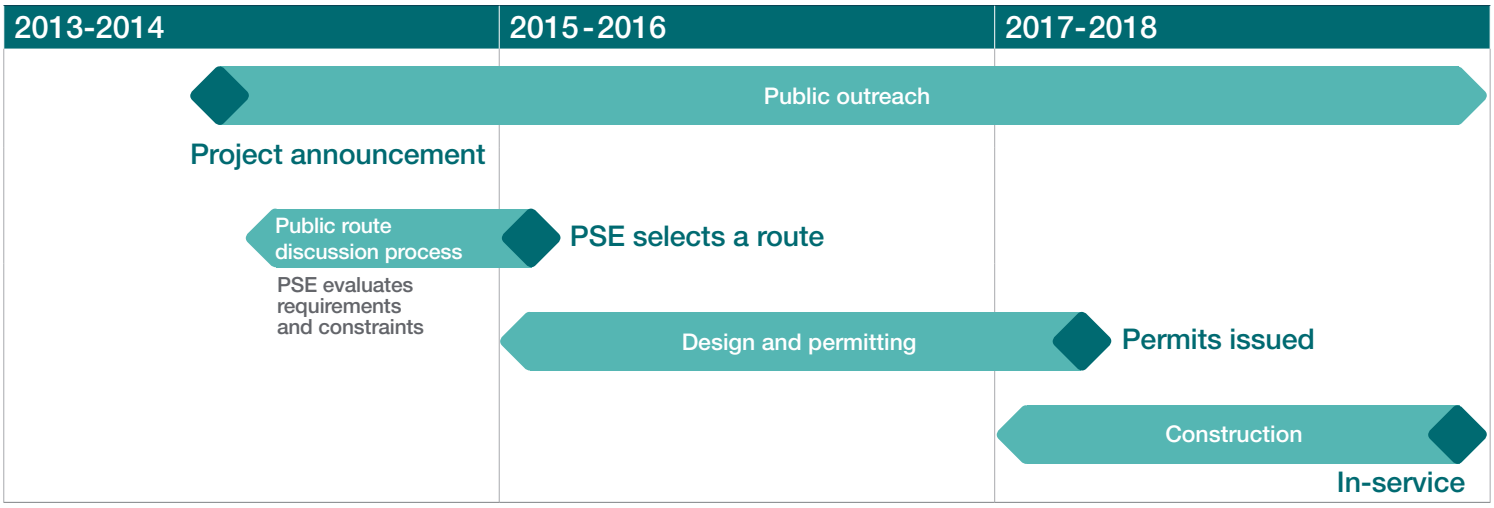
Project Schedule



We need to act now

Continued economic development and job growth on the Eastside depend on a robust electric transmission system. The strong economic and job growth we've seen on the Eastside is expected to continue into the coming decades. The Puget Sound Regional Council recently estimated Eastside employment will grow more than 70 percent between 2010 and 2040, while population will grow more than a third.

We want to hear from you

Your input will help us identify a route option and substation location that work best for the Eastside. Keep an eye on our website for more information on how you can get involved in the route discussion process.

A Bellevue resident discusses Energize Eastside with Community Projects Manager Jackson Taylor at the Bellevue Strawberry Festival.

For additional information/questions please visit our project website at pse.com/energizeeastside or contact:

- **Leann Kostek**, Senior Project Manager
- **Jackson Taylor,** Community Projects Manager
- **Keri Pravitz,** Community Projects Manager

We also welcome your comments and questions on the Energize Eastside project at energizeeastside@pse.com, or you can call the project voicemail at 1-800-548-2614.