



energizeEASTSIDE

other solutions studied


December 2016

We've looked at many ways to solve the Eastside's electrical problem

Early in the planning process, we studied whether the Eastside's electrical needs could be addressed with other alternatives rather than building new infrastructure. These other solutions were eventually eliminated because they didn't solve the problem, didn't meet federal planning standards, would be difficult to permit, or rely on voluntary participation.

Below are alternatives that were also studied in the Phase 1 Draft Environmental Impact Statement (EIS). Visit EnergizeEastsideEIS.org to learn more.


Batteries

 We considered using **batteries** to store energy, but this technology has not been used and won't work for the type and scale of problem facing the Eastside. New transmission lines would still be required to distribute electricity from the battery site to our customers.




Up to 300 shipping-container sized batteries would be needed just to meet the Eastside's initial power needs.


Alternative technology

 Increased use of renewable power was also investigated as a possible solution. However, **solar panels** don't generate electricity during the peak hours of electricity use, which typically occurs on cold winter mornings and evenings.

Conservation

 While **conservation** is an important component for addressing Eastside demand, conservation alone is not enough. PSE works hard to encourage our customers to conserve electricity. However, our conservation programs are voluntary – it's the customer's choice to make a change.

Generation

 Siting a new **local power plant** in a dense urban area would be extremely difficult to permit, and would still require new transmission lines to deliver the power to customers.



PSE's Goldendale generating station, a natural gas power plant in Klickitat County.

Energize Eastside solves the Eastside's electrical problem

The Energize Eastside project will build a **new substation** and upgrade approximately 18 miles of **existing transmission lines** from Redmond to Renton. Combined with **continued aggressive electric conservation**, Energize Eastside will keep the lights on in our Eastside communities for years to come.



Thank you for your interest in Energize Eastside.

 pse.com/energizeeastside

 1-800-548-2614

 energizeeastside@pse.com