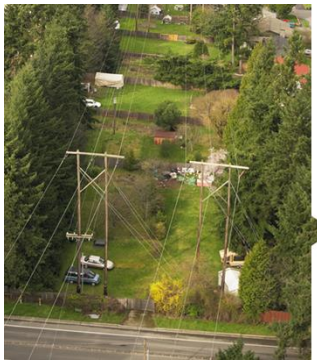

PUGET SOUND ENERGY

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corridor safety

September 2018

Safety is PSE's top priority

As the largest natural gas utility in Washington, PSE understands pipeline safety concerns and employs safe procedures when working near pipelines. We approach every project — from the smallest natural gas service installation to the largest transmission line — with the same priority: the safety of our customers, the communities we work in, and our fellow co-workers.

Through the years, we've heard residents and businesses emphasize the need for the Energize Eastside project to be built safely. We agree, so we wanted to provide additional details.

Have PSE's transmission lines shared a corridor with underground pipelines?

Yes! The backbone of our transmission system on the Eastside has shared a utility corridor with Olympic Pipe Line Company's (Olympic) underground petroleum pipelines for more than 40 years.

Our close coordination with Olympic has ensured the mutual safety of our infrastructure and neighbors along the existing corridor. This coordination continues with the Energize Eastside project.

How is PSE designing Energize Eastside to safely co-exist with Olympic's pipelines?

We're working with national experts and Olympic to refine our design in accordance with industry and engineering best practices for the safe construction and operation of both facilities.

Energize Eastside's design uses new technology and meets strict safety requirements. Specifically, the design:

- Uses new, longer-lasting equipment and fewer poles that will typically be farther away from the pipelines than the poles are today.
- Maintains at least 13 feet of distance between the pipelines and the pole grounding system.

In 2016, we coordinated with Olympic on the work plan and safe construction practices to replace two pole structures in Newcastle.

- Meets or exceeds industry standards to address seismic, high winds and ice loads.
- Operates both transmission lines at the same voltage to reduce the potential for pipeline interaction.

What steps is PSE taking to help ensure safe construction along the shared corridor?

Safety is our top priority. We're working with Olympic to plan and implement construction practices that protect the pipelines and nearby neighborhoods.

Our construction safety plan includes:

- A third-party safety inspector who independently monitors construction activities in collaboration with our safety staff.
- Engineering survey work, including the use of advanced ground-penetrating radar to locate subsurface utilities.
- Site preparations, including confirmation of utility locations, prior to any ground-disturbing activity to ensure there is no interaction with existing facilities.
- Use of specialized excavation techniques (e.g., air or water vacuum excavation and hand digging).

- Use of Olympic-approved equipment and vehicles for construction and facilities access.
- Use of temporary coverings, such as steel plates, to distribute the weight of equipment and protect existing utilities.

After construction ends, PSE will continue to coordinate with Olympic to ensure the safety of day-to-day operations.

Was pipeline safety considered in the Partner Cities' Environmental Impact Statement process?

Yes, the Partner Cities' Environmental Impact Statement (EIS) included a pipeline safety risk analysis, along with details about Olympic's safety practices.

As described in the Final EIS, new construction will entail close coordination between PSE and Olympic, and no significant adverse impacts related to work near pipelines are expected.

To review the EIS analysis, visit **EnergizeEastsideEIS.org/library**

How have Olympic and PSE worked together in the past?

Both PSE and Olympic have a strong, mutual interest in the continued protection and safe operations of facilities in the existing utility corridor. We have a long history of working closely together.

Examples of work in the corridor include:

- In 2007 and 2008, PSE worked with Olympic to replace more than 130 poles and reframe more than 200 poles in the existing corridor.
- In 2015, PSE successfully completed more than 50 geotechnical investigation borings within the existing corridor. Half of these geotechnical borings took place in the vicinity of the Olympic pipeline.
- In 2016, we replaced two pole structures adjacent to the pipelines to address an imminent safety concern created by the construction of new apartments in Newcastle. We met onsite with Olympic's Damage Prevention Team to review construction activities and coordinate safe construction practices.

What safety practices does Olympic employ?

Here are a few of the operating practices Olympic uses:

- Regular pipeline inspections and 24/7 monitoring of the pipeline.
- Utilization of a cathodic protection system that passes a low-level electrical current through the pipeline, which suppresses corrosion.
- Clear requirements regarding work near the pipeline, including that an Olympic Damage Prevention Team member must be on-site for excavations within 25 feet of the pipeline.

Who regulates PSE and Olympic's safety practices?

Interstate pipelines, both fuel and natural gas, are subject to state and federal safety regulations administered by:

- Federal Energy Regulatory Commission
- US Department of Transportation's Pipeline and Hazardous Materials Safety Administration
- Washington State Department of Transportation
- Washington Utilities and Transportation Commission

Interested in learning more?

For comments and/or questions about safety:

- Email **energizeeastside@pse.com**
- Call **1-800-548-2614**