Chapter 1: Review results of alternatives feasibility study

Chapter 2: Next steps
Chapter 1: Alternatives Review

Background

- How we got here
- Where we left things in February
- What we’ve been hearing
Route Feasibility Study

- List of considerations looked at:
  - Seattle City Light (SCL) lines
  - Wetlands and other protected areas
  - Constructability
  - Easements and access
  - Unanticipated factors
  - Property restrictions
Route Feasibility Study

What has PSE done

- Team field trips
- Code research
- Engineering investigations
- Records research
- Initial survey work
- Environmental research
- Meetings or communication with:
  - SCL
  - Aerojet
  - WSDOT
  - Metro
  - City of Redmond
  - City of Kirkland
  - Neighborhood meetings
  - Other property owners
General Results

- Siting a new transmission line in a urban area is challenging

Challenges include:
- SCL crossing
- Interstate 405 (I-405) crossing
- Environmental impacts
- Property restrictions
Chapter 1: Alternatives Review

Results – Alternative 1

- NE 124th Street
- NE 90th Street vs NE 95th Street
Chapter 1: Alternatives Review

Alternative 1: NE 124\textsuperscript{th} Street

Challenges

- Impacts to wetlands
- Access
Chapter 1: Alternatives Review

Alternative 1: NE 124th Street
Chapter 1: Alternatives Review

Alternative 1: NE 90th Street vs NE 95th Street

Challenges
- Crossing SCL lines
- Have to double-circuit lines on NE 90th Street
- Tree removal, maintenance and risks issues on NE 90th Street
- Impacts to wetlands
Chapter 1: Alternatives Review

Alternative 1: NE 90th Street vs NE 95th Street
Chapter 1: Alternatives Review

Alternative 1: NE 90th Street and Double-Circuit 115 kV Lines

- Examples of double-circuit 115 kV lines

Side-by-side configuration

Vertical configuration
Result – Alternative 1
Results – Alternative 2

Challenges

- Crossing SCL lines
- Crossing I-405
Alternative 2 – Challenges

- Crossing SCL lines
- Crossing I-405
Chapter 1: Alternatives Review

Alternative 2 - Modified
Chapter 1: Alternatives Review

Results – Alternative 3

Challenges

- Building setbacks and restrictions
- Transfer of Development Rights (TDR) easements
- Native Growth Protection Easements (NGPE)
- Critical areas
- Tree removal
- Other issues
Chapter 1: Alternatives Review

Alternative 3 – Challenges

Original SAG Recommended Route
Chapter 1: Alternatives Review

Alternative 3 – Challenges
Chapter 1: Alternatives Review

Alternative 3 – Challenges

- Building setbacks and restrictions
- NGPEs
- TDRs
- Tree removal
Chapter 1: Alternatives Review

Alternative 3 – Challenges

- Building setbacks and restrictions
- NGPEs
- TDRs
- Tree removal
Alternative 3 – Challenges

- Building setbacks and restrictions
- NGPEs
- TDRs
- Tree removal
Chapter 1: Alternatives Review

Alternative 3 - Modified
Chapter 1: Alternatives Review

Revised Route Alternatives
Chapter 1: Review results of alternatives feasibility study

Chapter 2: Next steps
Chapter 2: Next Steps

Identifying a Preferred Route

- Preferred route advisory group meeting
  - Timing
  - Decision process
  - Meeting recommendations
  - Other notification methods
Preparing for Community Meetings

- Late June community meetings
  - Conveying advisory group feedback on the alternatives
  - Meeting recommendations
Chapter 2: Next Steps

Preparing for Community Meetings

- Sharing advisory group feedback on the alternatives

### Pierce 230 kV Project

#### Advisory group conceptual route comments and concerns

<table>
<thead>
<tr>
<th>WEST ROUTE</th>
<th>CENTRAL ROUTE</th>
<th>EAST ROUTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Comments and concerns identified by advisory group:</strong></td>
<td><strong>Comments and concerns identified by advisory group:</strong></td>
<td><strong>Comments and concerns identified by advisory group:</strong></td>
</tr>
<tr>
<td>- Providing enough room for the fire lane behind the warehouses (in the warehouse district in the northern portion of the corridor)</td>
<td>- High impact to people</td>
<td>- Significant vegetation removal has already occurred on the hillside, impacting views</td>
</tr>
<tr>
<td>- Preserving the railroad; consider railroad growth potential (especially for southern portion of corridor)</td>
<td>- Limited space in downtown Sumner</td>
<td>- Private and commercial development (near Urban Growth Area expansion)</td>
</tr>
<tr>
<td>- Proximity to Pierce County Foothills Trail</td>
<td>- Effects to businesses</td>
<td>- Possible conflict with commercial signage</td>
</tr>
<tr>
<td>- Alignment over the river – the triangle / cannery district, etc.</td>
<td>- Expensive</td>
<td>- Section where PSE’s other project and land acquisition is proposed (in southern portion of corridor, near Bonneville Power Administration lines)</td>
</tr>
<tr>
<td>- Adjacent to potentially sensitive waterway near warehouse district</td>
<td>- “Terrible”</td>
<td>- Challenges with constructability due to terrain (steep hillside on northern half of the corridor)</td>
</tr>
</tbody>
</table>

**X** Preliminarily recommended for further study  
**X** Not recommended for further study  
**X** Not recommended for further study

**TELL US WHAT YOU THINK**  
Use the comment form provided to share your thoughts and concerns related to each potential route. Puget Sound Energy will review all comments and provide an update to the advisory group during their next meeting.
Preparing for Community Meetings

- Gathering feedback from the community

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**Pierce 230 kV Project**

**Open house comment form**

Thanks for attending tonight’s Puget Sound Energy open house to learn more about plans to fulfill energy needs in the region. After visiting each of the open house stations please take a few minutes to complete this comment form. In particular, PSE would appreciate comments that supplement the comments and concerns already identified by the advisory group. Space is also provided on the back of this form for comments that may not be related to a specific route.

Please indicate which of the three potential routes is closest to your residence and/or business (circle one): West | Central | East

In the space below please tell us if you have additional comments or concerns related to the potential routes.

- WEST ROUTE
- CENTRAL ROUTE
- EAST ROUTE

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**SAMPLE**
Next Steps

- June community meetings
- July advisory group meeting(s)
Public comment from audience
Questions?

- **Sammamish-Juanita Project Contacts:**
  
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Thank You!