Transmission Line Routing Community Sounding Board

Meeting Agenda

Thursday, May 21, 2020 from 5 to 6:30 p.m.

Online Webex Event: CSB members—please refer to your individual links sent via email

Meeting objectives:

- Provide an overview of the transmission line routing process.
- Introduce routing criteria.

Time	Item	Presenter(s)
4:45 p.m.	***CSB members are invited to join early to test audio/video before the meeting begins.***	
5:00 p.m.	**Opening** • Welcome and safety moment • Agenda overview • Meeting conduct • Action items from May 14 meeting	**Renee Zimmerman**, PSE Community Projects Manager **Susan Hayman**, Facilitator
5:15 p.m.	**Presentation:** Overview of the routing process • Study area • Technical routing process and criteria • Routing criteria discussion activity	**Kirk Moughamer**, HDR Project Manager
5:40 p.m.	**Break**	**All**
5:45 p.m.	**Discussion:** Routing process and criteria • Questions/clarification	**Kirk Moughamer**, HDR Project Manager
6:15 p.m.	**Observer comment**	**Susan Hayman**, Facilitator
6:20 p.m.	**Wrap up, next steps**	**Susan Hayman**, Facilitator
6:30 p.m.	**Adjourn**	

PSE on bainbridge island

Transmission Line Routing Community Sounding Board

Meeting 2

Introduction to the Routing Process and Routing Criteria

May 21, 2020

PUGET SOUND ENERGY

We'll begin at 5pm—all participants will be muted.
Technical difficulties? Please call or text Darcy Edmunds,

Welcome

Community Sounding Board Members

PSE PUGET SOUND ENERGY

Safety Moment

PUGET SOUND ENERGY

STOP IDENTITY THEFT

Washington State ESD
@ESDwaWorks

Follow

Reports of fraud are on the rise. If someone is using your personal information to claim unemployment benefits, you should report it to us right away through email, phone or fax
ow.ly/3BOO50zBf8E

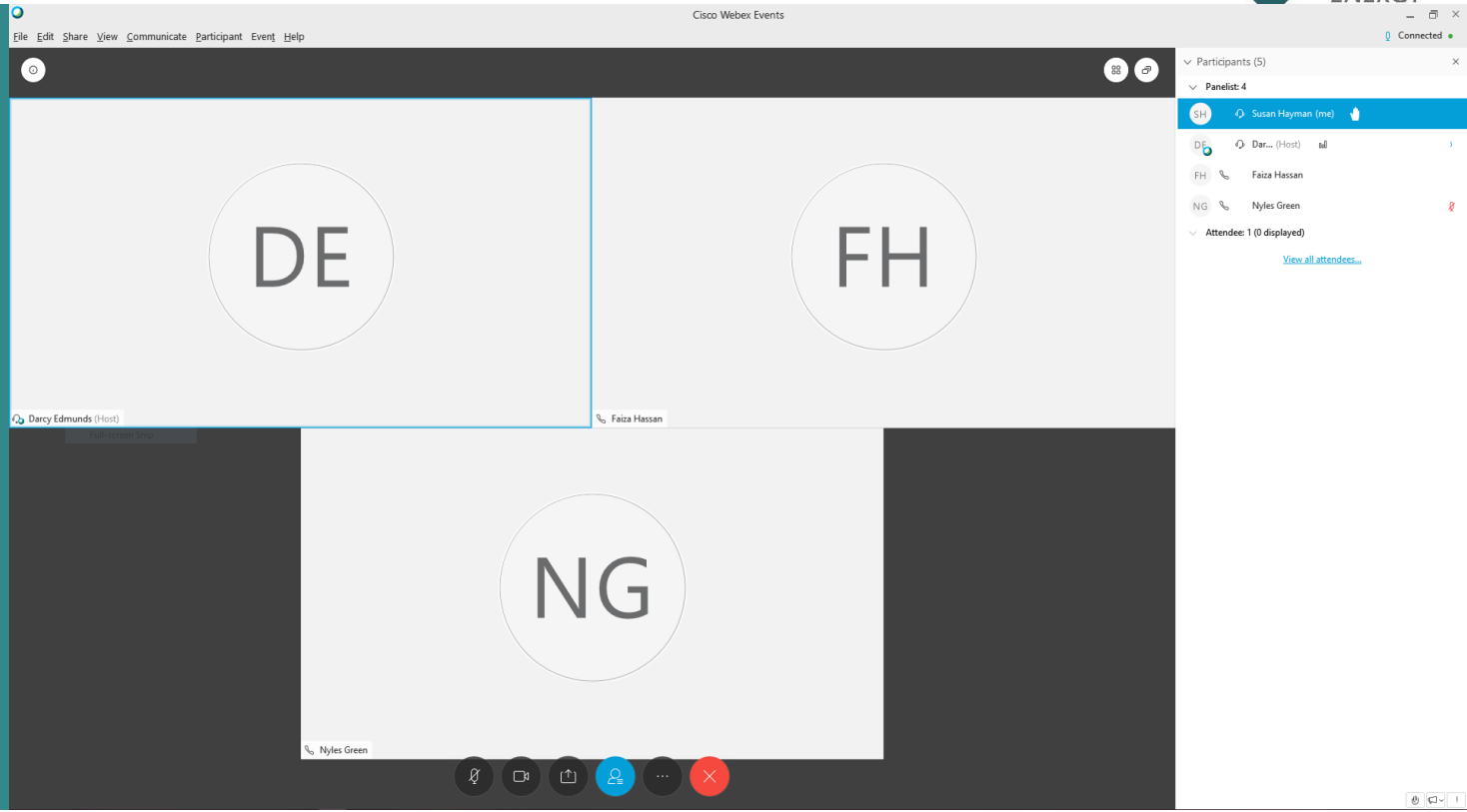
5:30 PM - 8 May 2020

Panelist Screen Controls

Please use headphones or earbuds to reduce background noise.

We will keep everyone muted during the meeting. When called on, please unmute yourself by clicking on the “unmute” microphone at the bottom left.

We’ll help you with controls,
if needed.



Your screen should look like this. At the bottom control bar you will be able to click on the microphone icon to mute/unmute, the camera icon to enable/disable video, and the person icon to manage other settings. The meeting slides will appear in the main window.

For today

Darcy Edmunds is our meeting host.

Please text/call Darcy if you have technical difficulties

- Attendees are in listen-only mode.
- A brief public comment opportunity will be available at the end of the meeting.
- CSB members:
  - Listen to and appreciate the diversity of views and opinions.
  - Actively participate in the group.
  - Behave constructively and courteously towards all participants.
  - Respect the role of the facilitator to guide the group process.

Meeting Agenda

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Overview of the Routing Process

Kirk Moughamer, HDR

FINDING BALANCE DURING THE ROUTING PROCESS

ROUTING PROCESS OVERVIEW

Winslow-Murden Cove Transmission Line

Presenter: Kirk Moughamer

HDR

PSE PUGET SOUND ENERGY

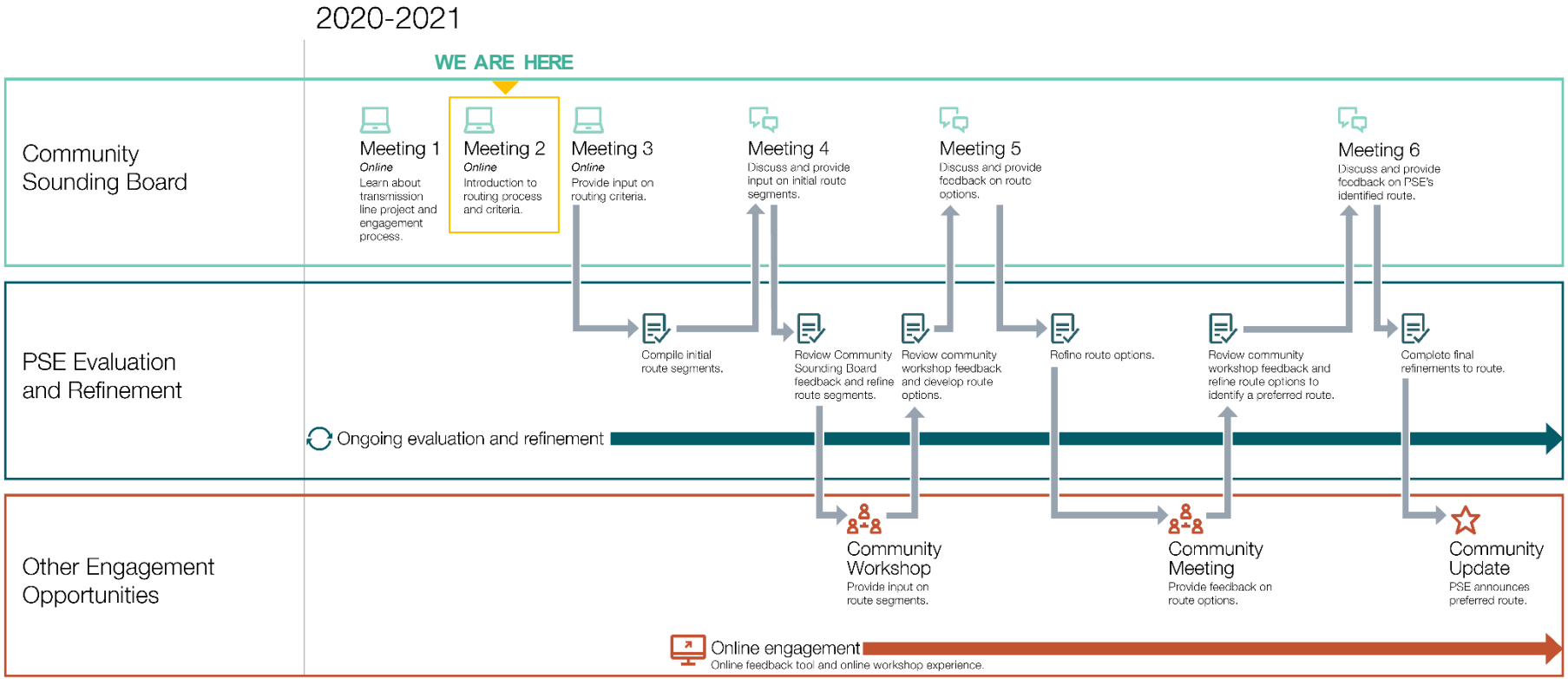
2020.05.21

MEETING OVERVIEW

OBJECTIVES FOR TODAY

1. Review the Routing Process
2. Define Study Area and Key Terms
3. Discuss Routing Criteria

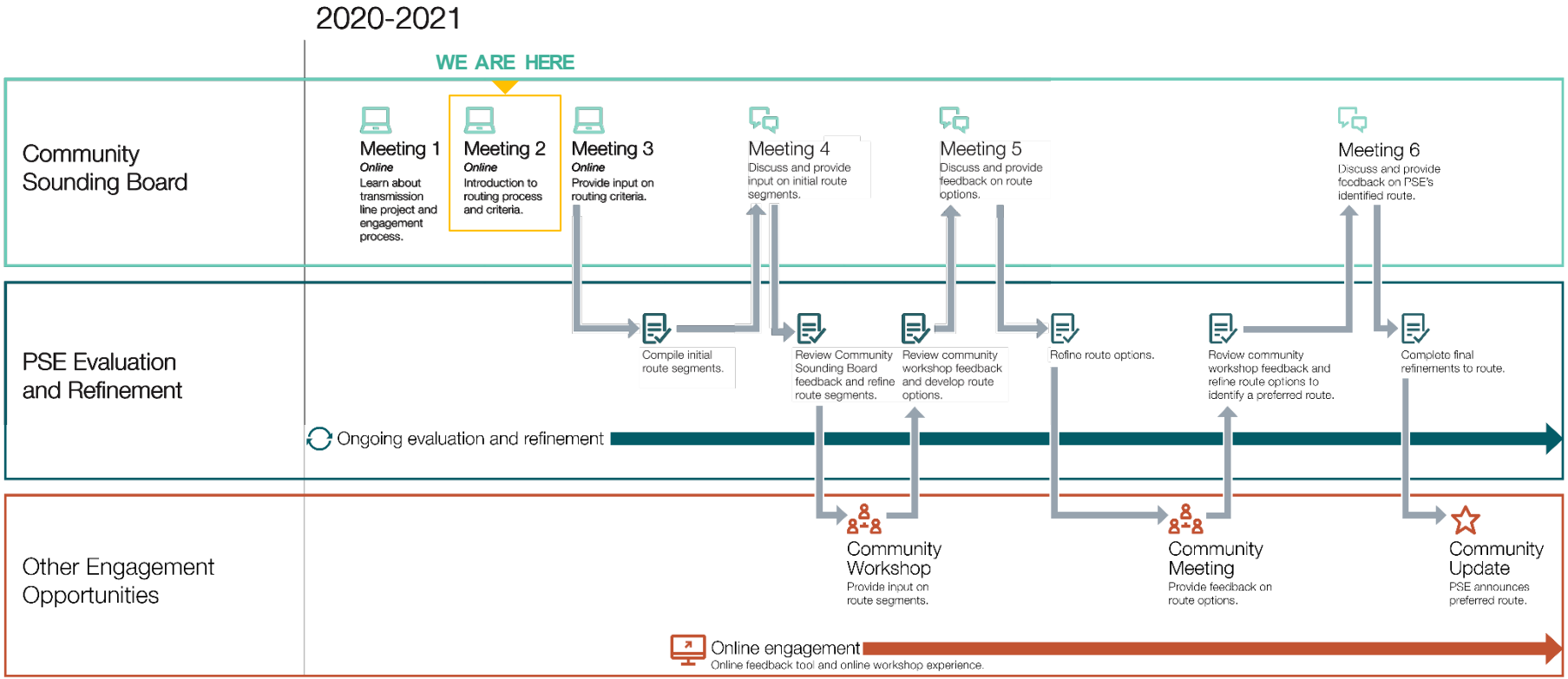
THE ROUTING PROCESS



NOTE: Schedule and format are subject to change

Updated May 2020

THE ROUTING PROCESS



NOTE: Schedule and format are subject to change

Updated May 2020

STUDY AREA


Port Madison substation
Murden Cove substation
Winslow substation
NE Day Rd
305
NE Koura Rd
Madison Dr NE
Battle Point Dr NE
Miller Rd NE
NE Tolo Rd
NE Wardwell Rd
305
Sportsman Club Rd
NE New Brooklyn Rd
Fletcher Bay Rd NE
NE High School Rd
Finch Rd
Madison Ave NE
Wyatt Way NW
Pleasant Beach Dr NE
NE Bucklin Hill Rd
Blakely Ave NE
Eagle Harbor Dr NE
NE Baker Hill Rd
N
STUDY AREA
Bainbridge Island
Legend
Preliminary transmission line study area
Existing transmission substation
Existing 115 kV transmission line

KEY TERMS

ROUTE SEGMENT

A discrete section of a potential future transmission line. Route Segments will follow existing road rights-of-way and generally travel in the direction of the designated terminal points.

ROUTE OPTION

A pathway between two identified terminal points that links together Route Segments.

CRITERIA

A set of factors by which Route Segments and Route Options will be assessed and compared.

METRICS

CRITERIA ARE MEASURED WITH METRICS.
METRICS CHANGE AS THE PROJECT DEVELOPS.

BUILT ENVIRONMENT

ROUTING CRITERIA

- Parks and recreation
- Community gathering spaces
- Shoreline jurisdiction, zoning and land use
- Land ownership / Right-of-way
- Conservation properties
- Historical / Cultural

BUILT ENVIRONMENT

ROUTING CRITERIA

- **PARKS AND RECREATION**
- COMMUNITY GATHERING SPACES
- SHORELINE JURISDICTION, ZONING AND LAND USE
- LAND OWNERSHIP/ RIGHT-OF-WAY
- CONSERVATION PROPERTIES
- HISTORICAL/CULTURAL

METRIC

#

WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of BI Metro Parks and Recreation Facilities

BUILT ENVIRONMENT

ROUTING CRITERIA

PARKS AND RECREATION

COMMUNITY GATHERING SPACES

SHORELINE JURISDICTION, ZONING AND LAND USE

LAND OWNERSHIP/ RIGHT-OF-WAY

CONSERVATION PROPERTIES

HISTORICAL/CULTURAL

METRIC

#

WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of community spaces, such as:

- *schools (public & private)*
- *religious facilities*
- *libraries*
- *museums*
- *granges*

BUILT ENVIRONMENT

ROUTING CRITERIA

PARKS AND RECREATION

COMMUNITY GATHERING SPACES

SHORELINE JURISDICTION, ZONING AND LAND USE

LAND OWNERSHIP/ RIGHT-OF-WAY

CONSERVATION PROPERTIES

HISTORICAL/CULTURAL

METRIC

WITHIN ANALYSIS AREA

SIGNIFICANCE

- Identification of zoning designations and current land uses
- Utility uses are restricted in some shoreline designations

BUILT ENVIRONMENT

ROUTING CRITERIA

PARKS AND RECREATION

COMMUNITY GATHERING SPACES

SHORELINE JURISDICTION, ZONING AND LAND USE

LAND OWNERSHIP/ RIGHT-OF-WAY

CONSERVATION PROPERTIES

HISTORICAL/CULTURAL

METRIC

#

WITHIN ANALYSIS AREA

SIGNIFICANCE

Land Ownership identifies lands owned by public agencies (e.g. COBI) and private parties

The parcel count identifies the potential number of easements to acquire right-of-way

BUILT ENVIRONMENT

ROUTING CRITERIA

PARKS AND RECREATION

COMMUNITY GATHERING SPACES

SHORELINE JURISDICTION, ZONING AND LAND USE

LAND OWNERSHIP/ RIGHT-OF-WAY

CONSERVATION PROPERTIES

HISTORICAL/CULTURAL

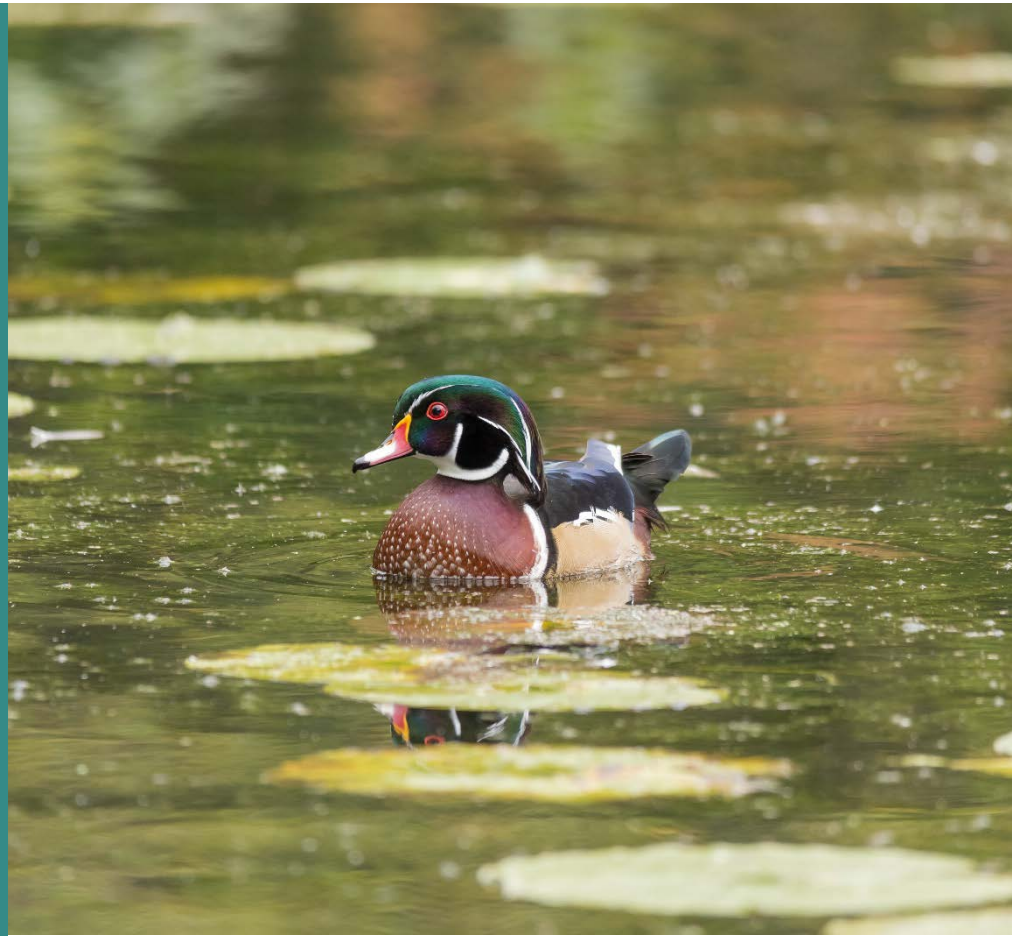
METRIC

#

WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of properties that are known to be encumbered with conservation agreements



BUILT ENVIRONMENT

ROUTING CRITERIA

PARKS AND RECREATION

COMMUNITY GATHERING SPACES

SHORELINE JURISDICTION, ZONING AND LAND USE

LAND OWNERSHIP/ RIGHT-OF-WAY

CONSERVATION PROPERTIES

HISTORICAL/CULTURAL

METRIC

#

WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of registered historic properties containing above-ground historic (architectural) resources

Identification of known cultural resource areas. CONFIDENTIAL: This information is confidential and cannot be publicly shared.

NATURAL ENVIRONMENT

ROUTING CRITERIA

- Wetlands
- Streams
- Designated habitats
- Canopy
- Critical areas

NATURAL ENVIRONMENT

ROUTING CRITERIA

- CATEGORY I WETLANDS
- CATEGORY II WETLANDS
- CATEGORY III WETLANDS
- CATEGORY IV WETLANDS

TYPE S STREAMS
TYPE F STREAMS
TYPE N STREAMS

DESIGNATED HABITATS
CANOPY

HAZARD AREAS

METRIC

WETLANDS PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

Category I wetlands are the highest functioning wetlands pursuant to the COBI critical areas code and Category IV are the lowest functioning wetlands

NATURAL ENVIRONMENT

ROUTING CRITERIA

CATEGORY I WETLANDS
CATEGORY II WETLANDS
CATEGORY III WETLANDS
CATEGORY IV WETLANDS

TYPE S STREAMS
TYPE F STREAMS
TYPE N STREAMS

DESIGNATED HABITATS
CANOPY

HAZARD AREAS

METRIC

STREAMS PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

S
F

Stream types S and F either support or have the potential to support salmon and or other fish species.

N

Type N streams do not contain fish.

NATURAL ENVIRONMENT

ROUTING CRITERIA

CATEGORY I WETLANDS
CATEGORY II WETLANDS
CATEGORY III WETLANDS
CATEGORY IV WETLANDS

TYPE S STREAMS
TYPE F STREAMS
TYPE N STREAMS

DESIGNATED HABITATS
CANOPY

HAZARD AREAS

METRIC

DESIGNATED HABITATS PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

Washington Department of Fish and Wildlife maintains a data base of habitats of conservation priority

NATURAL ENVIRONMENT

ROUTING CRITERIA

CATEGORY I WETLANDS
CATEGORY II WETLANDS
CATEGORY III WETLANDS
CATEGORY IV WETLANDS

TYPE S STREAMS
TYPE F STREAMS
TYPE N STREAMS

DESIGNATED HABITATS
CANOPY

HAZARD AREAS

METRIC

FOREST CANOPY PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of forest canopy. Publicly available LiDAR data provides information on the presence and height of tree canopy.

NATURAL ENVIRONMENT

ROUTING CRITERIA

CATEGORY I WETLANDS
CATEGORY II WETLANDS
CATEGORY III WETLANDS
CATEGORY IV WETLANDS

TYPE S STREAMS
TYPE F STREAMS
TYPE N STREAMS

DESIGNATED HABITATS
CANOPY

HAZARD AREAS

METRIC

HAZARDS PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of steep slopes, floodplains, and liquifaction hazards that may be affected

ENGINEERING

ROUTING CRITERIA

- Buildings
- Collocated with distribution

ENGINEERING

ROUTING CRITERIA

- **BUILDINGS**

  COLLOCATED
  WITH DISTRIBUTION

METRIC

BUILDINGS PRESENT
WITHIN ANALYSIS AREA

SIGNIFICANCE

Identify the presence of buildings based on Kitsap County Assessor data

ENGINEERING

ROUTING CRITERIA

BUILDINGS

COLLOCATED WITH DISTRIBUTION

METRIC

DISTRIBUTION LINES PRESENT

WITHIN ANALYSIS AREA

SIGNIFICANCE

Identification of areas where existing overhead distribution lines are present

Next steps

- Review routing criteria and be prepared to respond to the following:
  - ✓ Are there community values you believe are not reflected in the current list of criteria? If so, what are they and how would you measure them?
  - ✓ Within the criteria, where would you see opportunities for tradeoffs? Where would you not?
- CSB Meeting 3: Monday, June 8: *Routing Criteria Feedback*

Adjourn

PUGET SOUND ENERGY

Thank you!

Transmission Line Routing Community Sounding Board

Meeting 2 Summary

May 21, 2020

Overview

Puget Sound Energy (PSE) hosted an online meeting for Community Sounding Board (CSB) members on May 21, 2020. The meeting introduced CSB members to transmission line routing criteria for the Murden Cove – Winslow Transmission Line Project.

The meeting was held online via Webex due to PSE and public health requirements restricting in-person gatherings at this time. Attachment 1 contains the list of meeting participants.

Opening remarks

- Renee Zimmerman, PSE, welcomed the CSB and provided the safety moment. Renee provided a brief recap of what was discussed at CSB meeting 1.
- Safety moment.
- Introduction of Mark Fisher to the CSB group. Mark Fisher will represent the Suquamish Tribe on the CSB.

Routing process overview

Kirk Moughamer, HDR gave a presentation on PSE/ HDR's proposed transmission line routing criteria for the Murden Cove – Winslow Transmission line. The presentation began with a look at the routing process and how it is designed to set up feedback loops between PSE and the community to enable a two-way conversation on the development of the "missing link" transmission line. The study area that PSE considering for the "missing link" will be looked at through a variety of lenses and perspectives as PSE begins gaining feedback on the transmission line routing. Kirk briefly went over key terms which include:

- Route segment: A discrete section of a potential future transmission line. Route segments will follow existing road right-of-way and generally travel in the direction of the designated terminal points (e.g., Murden Cove and Winslow substations).
- Route option: A pathway between two identified terminal points that link together route segments.
- Criteria: A set of factors by with route segments and route options will be assessed and compared.
- Metrics: Criteria are measured in metrics. Metrics change as the project develops.

Kirk described the three categories (Built Environment, Natural Environment, Engineering) that are used to group different criteria together. During his explanation of each category, Kirk outlined each set of criteria's metric and significance for the development of route segments and route options.

After the presentation on the routing criteria, Kirk, Renee, and Andy Swayne, PSE, addressed questions from CSB members. Key discussion points are noted below:

- **Parks and recreation:** HDR is using data on designated parks and trails that are maintained by Bainbridge Island Metro Parks & Recreation. Some CSB members suggested including the informal trails and green spaces that people have created over time. HDR acknowledged those spaces and trails are important, but hard to find and track since informal spaces and trails are not in official databases.

- **Zoning on Bainbridge Island:** The City of Bainbridge Island does not specifically zone for transmission lines. The transmission lines that PSE builds go through a permitting process that involves applying for conditional use permits based on the zone the transmission line goes through. There is no "one-size fits all" option for the permitting process since different areas and spaces on Bainbridge Island have different criteria for conditional use zoning under the authority of various departments and jurisdictions.

- **Property acquisition:** As the design phases progress, PSE will begin to identify parcels that may be impacted. Once PSE knows a property will be impacted, they will reach out to the property owner to coordinate on various design options like pole location. If PSE needs operating rights on a property for line construction, PSE will obtain an easement agreement with the property owner and provide fair market value compensation for the easement. If PSE already has an easement on or over private property, PSE will look at options to use the existing easement in coordination with the property owner.

- **Identification of cultural resources:** PSE will hire a cultural resources consultant for identification of potential cultural resource sites that may be impacted by route segments. The cultural resource consultant will use archeological data and field visits to locate cultural artifacts. Investigations of cultural artifacts are coordinated with the Suquamish Tribe. If a cultural artifact is found, its whereabouts will be confidential and any information gathered will not result in public disclosure.

- **Past community feedback:** Between 2008 and 2010, PSE and the Bainbridge Island community were in conversation about building an additional substation between Winslow Substation and Murden Cove Substation with the consideration of linking all three substations with a new transmission line. PSE adapted to the community's desire to address the need for capacity through increased energy efficiency measures. PSE will review their records of past discussions with the Bainbridge Island community to report back on the themes heard from the community at that time regarding route options.

- **Designated migratory flight data:** HDR will investigate data on the migratory flight pattern of birds in their development of route segments and route options.

- **Trees:** There is no regulation on tree canopy coverage on Bainbridge Island. PSE is aware of the importance of trees in the environment and community and to property owners and works to reduce the number of trees that need to be removed. Impact to tree cover will be an important consideration during routing and property owner coordination.

- **State Route 305:** SR 305 is designated as a scenic corridor--PSE should be mindful of its zoning.

- **WSDOT Ferry electrification:** PSE is aware of WSDOT plans to install ferry electric charging capability at the Eagle Harbor ferry terminal and is working with WSDOT on building a new distribution line to serve their ferry electrification needs. The "missing link" transmission line isn't related to serving the ferry's needs; rather, we'll install a distribution line to serve their electrification needs. PSE's consultant, Navigant, considered the ferry's need as part of the non-wires analysis.

- **Future proofing the transmission line:** With successful implementation of a utility-scale battery combined with energy efficiency and demand response programs, PSE anticipates it can defer building a new distribution substation on the island for about 10 years or more**.** PSE is being mindful of the route the Murden Cove – Winslow transmission line takes and its ability to serve a new substation when the need arises.

- **Building heights:** When determining route segments and route options, PSE will be using both building code and electrical code to ensure there is a safe distance between buildings and the transmission line.

- **Study area boundary and Ferncliff Avenue NE:** HDR did not believe Ferncliff Ave NE is included in the study area boundary but will verify.

- **Collocating with other utilities:** HDR explained that they will review the data they have on other existing utility easements, like water, wastewater, and stormwater rights of way. PSE does consider collocating with other utilities. For example, PSE looks for opportunities to 'overbuild' new transmission lines over existing distribution lines (using taller poles), which uses existing corridors and can reduce the overall impact of new transmission lines to properties and trees. When it comes to sewer, they are often in a road right of way, which does not lend itself to collocation with an overhead line. If there is a cross-country utility right of way, then it could be considered.

Public Comment

There were no members of the public in attendance at this meeting.

Next steps: upcoming meetings

- CSB Meeting 3: Routing Criteria Feedback (June 8, 5-6:30 p.m.)

Closing remarks

Susan and Renee thanked CSB members for participating. The meeting concluded just after 6:30 p.m.

Attachment 1: Meeting Participants

Community Sounding Board

Individual Interests

Bill Lemon
Carl Siegrist
Elizabeth Doll
Erik Fong
Keith Bass
Matt Kowalski
Norm Jones
Stephen Hellriegel
Ted Jones
Winifred Perkins

Organizational Interests

Glen Tyrrell, Bainbridge Island School District
Hank Teran, Bainbridge Island Fire Department
Maradel Gale, Sustainable Bainbridge
Maria Metzler, Helpline House
Mark Epstein, City of Bainbridge Island
Mark Fisher, Suquamish Tribe
Perry Barrett, Bainbridge Island Metro Parks & Recreation District
Walt Hannon, Walt's Market

PSE Staff

Andy Swayne, PSE CSB Technical Liaison
Barry Lombard, PSE Project Manager
Renee Zimmerman, PSE Community Projects Manager

EnviroIssues Staff

Darcy Edmunds, EnviroIssues, Webex host and technical support
Nyles Green, EnviroIssues, Notetaker
Susan Hayman, EnviroIssues, Facilitator

HDR Staff

Bridget Brown, HDR
Kirk Moughamer, HDR

Observers

Diann Strom, PSE
Gretchen Aliabadi, PSE
Kierra Phifer, PSE
Kerry Kriner, PSE
Shelby Naten, PSE