

PSE on bainbridge island

Transmission Line Routing Community Sounding Board

Meeting 2

Introduction to the Routing Process and Routing Criteria

May 21, 2020



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

An aerial photograph of a coastal town and harbor. The foreground shows a residential area with houses and trees. The middle ground features a harbor filled with numerous sailboats and a few larger boats. In the background, there is a large body of water and distant mountains under a clear sky.

Welcome Community Sounding Board Members



Safety Moment

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



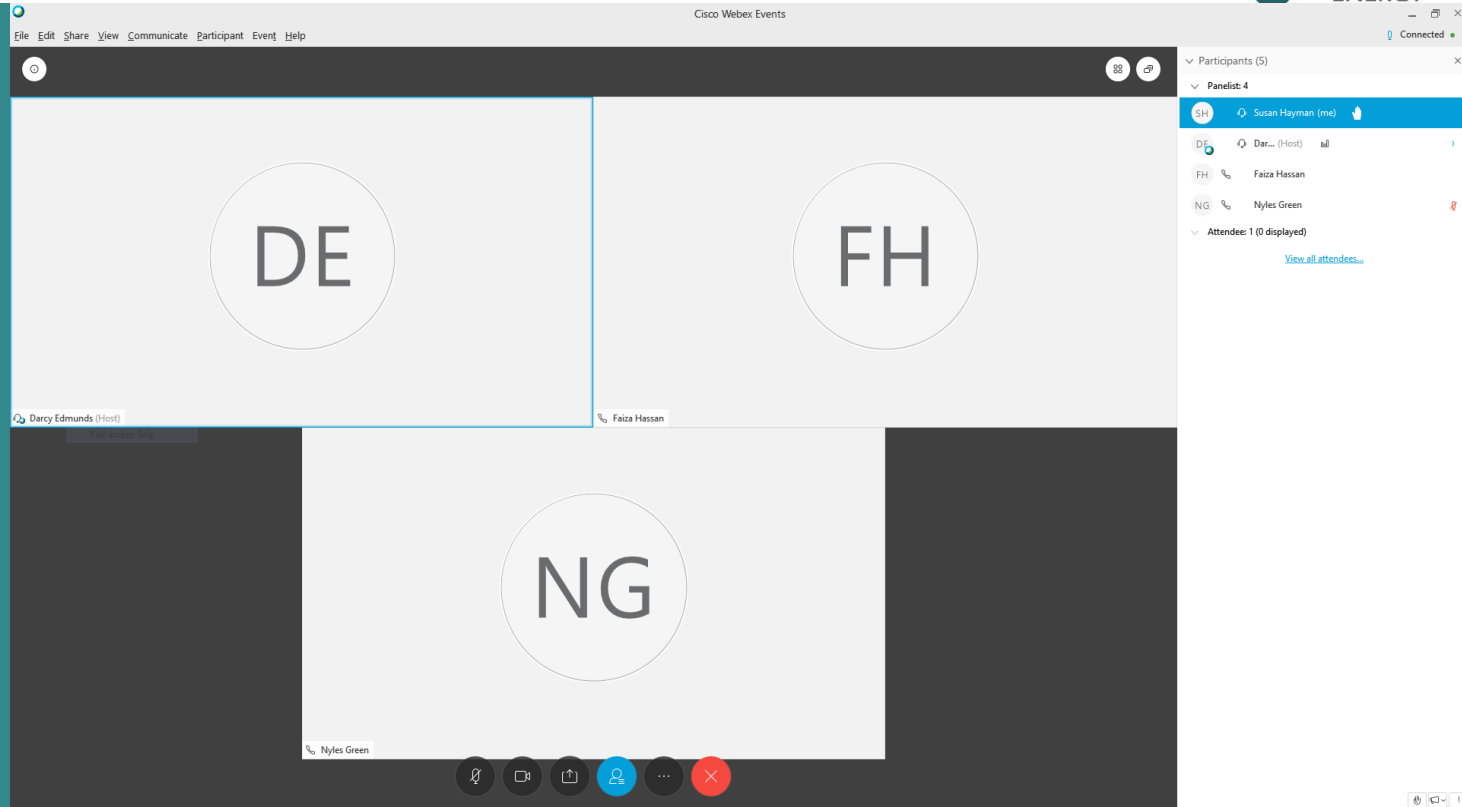
5:30 PM - 8 May 2020

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

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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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	

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



PUGET SOUND ENERGY

2020.05.21

MEETING OVERVIEW

An aerial photograph showing a coastal town with a marina, surrounded by dense green forest and hills. The town is situated along a body of water, with a prominent marina area. The surrounding landscape is rugged and forested, with some cleared areas and roads visible.

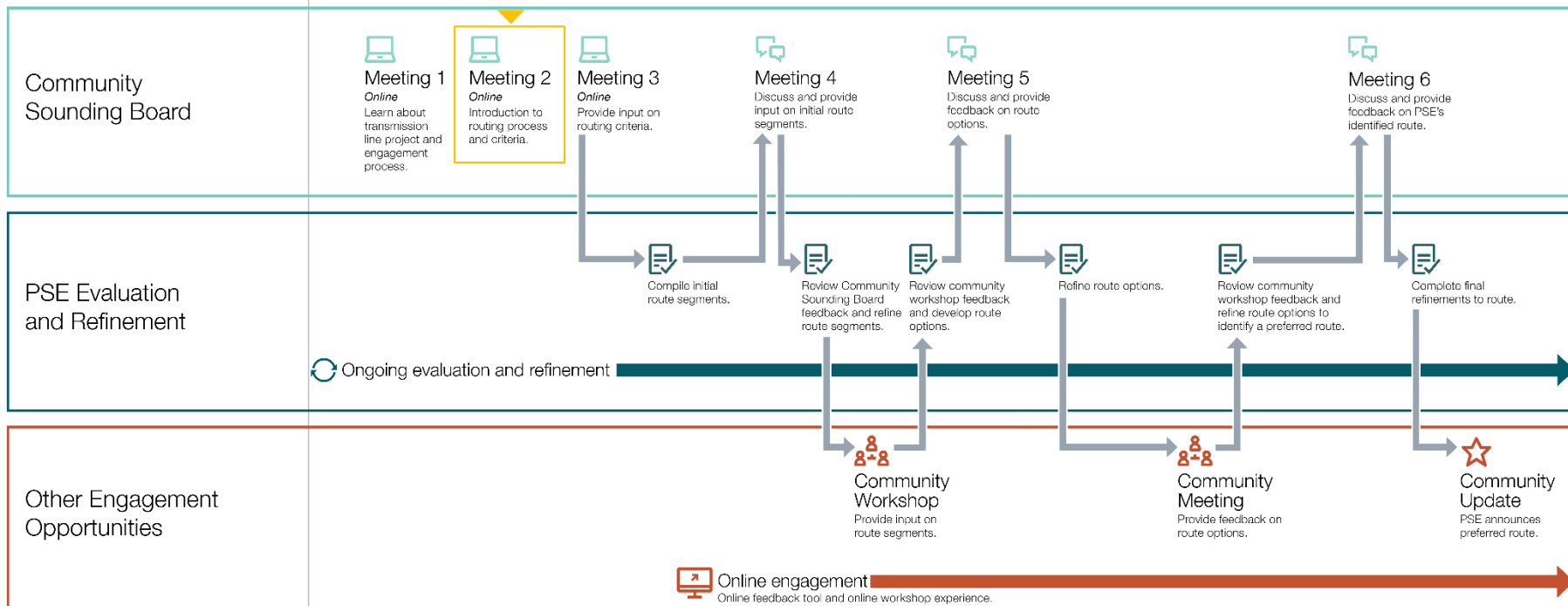
OBJECTIVES FOR TODAY

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

THE ROUTING PROCESS

2020-2021

WE ARE HERE



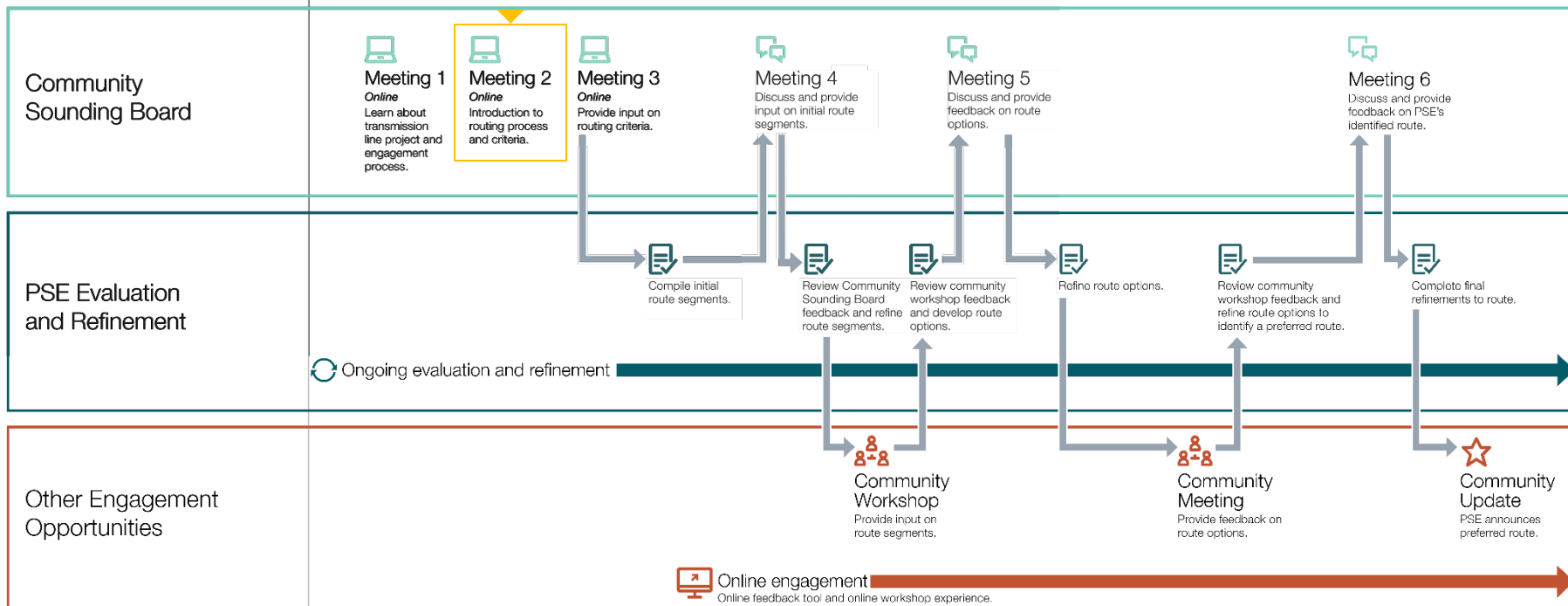
NOTE: Schedule and format are subject to change

Updated May 2020

THE ROUTING PROCESS

2020-2021

WE ARE HERE



NOTE: Schedule and format are subject to change

Updated May 2020

STUDY AREA



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

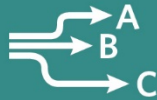
CRITERIA ARE MEASURED WITH METRICS.

METRICS CHANGE AS THE PROJECT DEVELOPS.

WE ARE HERE



Identify
Route
Segments



Identify
Route
Options



Detailed
Engineering



Micrositing

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

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



- 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*

Thank you!