Welcome to the public open house!

Learn about Grant PUD's Wanapum to Mountain View Transmission Line Project and share your thoughts:

- Visit the informational displays around the room
- Share your input about route alternatives at comment stations
- Speak with project staff

Meeting expectations:

Please wear a mask, be respectful, and maintain appropriate social distancing.

WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Helpful Terms

Mountain View substation

Substations and switchyards

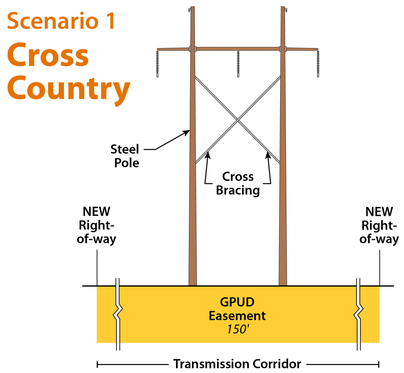
- **Substations** have transformers that **change the voltage** of electricity from transmission lines to deliver to our homes and businesses.
- **Switchyards** do not transform the voltage; instead, they simply **change the path or direction of the electricity.** Some facilities can include both a switchyard and substation.
- From the outside, substations and switchyards look very similar.

Electrical load

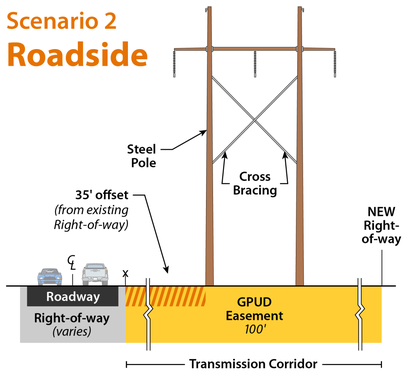
- Load is a measure of the demand for power. For example, load can represent how much electrical output is required to run appliances in your home.
- As homes and businesses consume more energy, the electrical load (or demand) in Quincy grows. The grid needs to supply more energy to meet this growing demand.
- We can increase the grid's capacity to deliver more energy by building more transmission lines that connect to additional sources of power.

Easement Scenarios in Transmission Corridors

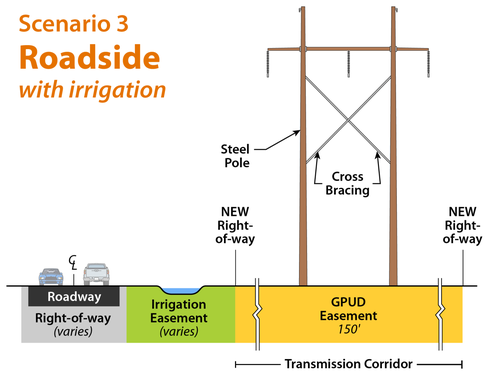
H-Frame



Scenario 1
Cross Country

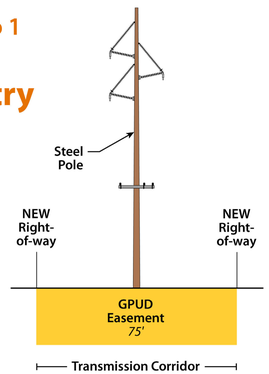


Scenario 2
Roadside

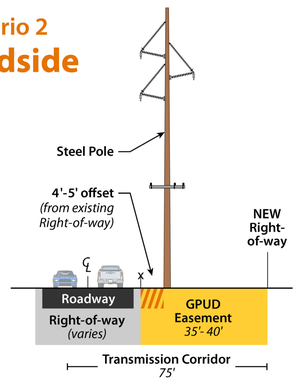


Scenario 3
Roadside
with irrigation

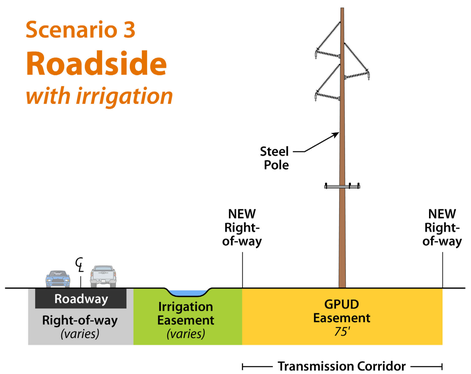
Single Pole



Scenario 1
Cross Country



Scenario 2
Roadside



Scenario 3
Roadside
with irrigation

Transmission lines and corridors

- Transmission lines carry electricity from generation plants to substations, or from substation to substation. There are currently over 200 miles of 230kV transmission lines in Grant County.
- Transmission line poles are typically taller and larger than neighborhood distribution line poles, with several insulators extending outwards to hold the lines.
- The transmission corridor includes the land below and area around the transmission poles and wires. Grant PUD will pursue easements with private property owners for the construction and maintenance of the new transmission lines. Property owners will maintain the rights to their land with any easements.

Quincy Transmission Expansion Plan

Grant PUD's Quincy Transmission Expansion Plan takes a proactive approach to managing the county's power system. The plan includes projects that will increase electrical capacity in the Quincy area to meet future energy needs.

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Need, solution, and benefits

The need:

To keep up with growing demands for electricity, Quincy's power grid needs greater capacity, with more connections to local power sources like the Wanapum Dam.

The solution:

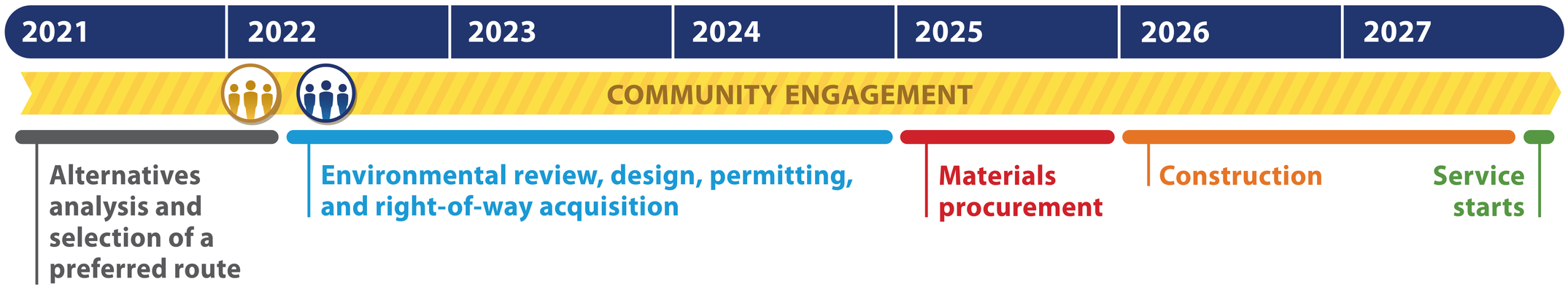
Grant PUD is proposing to build a 32-mile, 230kV transmission line from the Wanapum switchyard to the Mountain View substation in Quincy. This project would bring more electrical capacity to the Quincy area.

Community benefits:

The project will make sure we can continue providing reliable power to homes and businesses, even as demand grows.

WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Schedule



Public Meetings – February and March 2022

Grant PUD: Commission Meeting – Spring 2022

ENVIRONMENTAL REVIEW:

Grant PUD's mission to generate energy coincides with the responsibility to care for the environment. The project team will conduct an Environmental Assessment for the Wanapum–Mountain View Transmission Line Project under the National Environmental Policy Act (NEPA). The project team will also prepare an environmental checklist under Washington's State Environmental Policy Act (SEPA).

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Route Alternative 1

KEY ELEMENTS

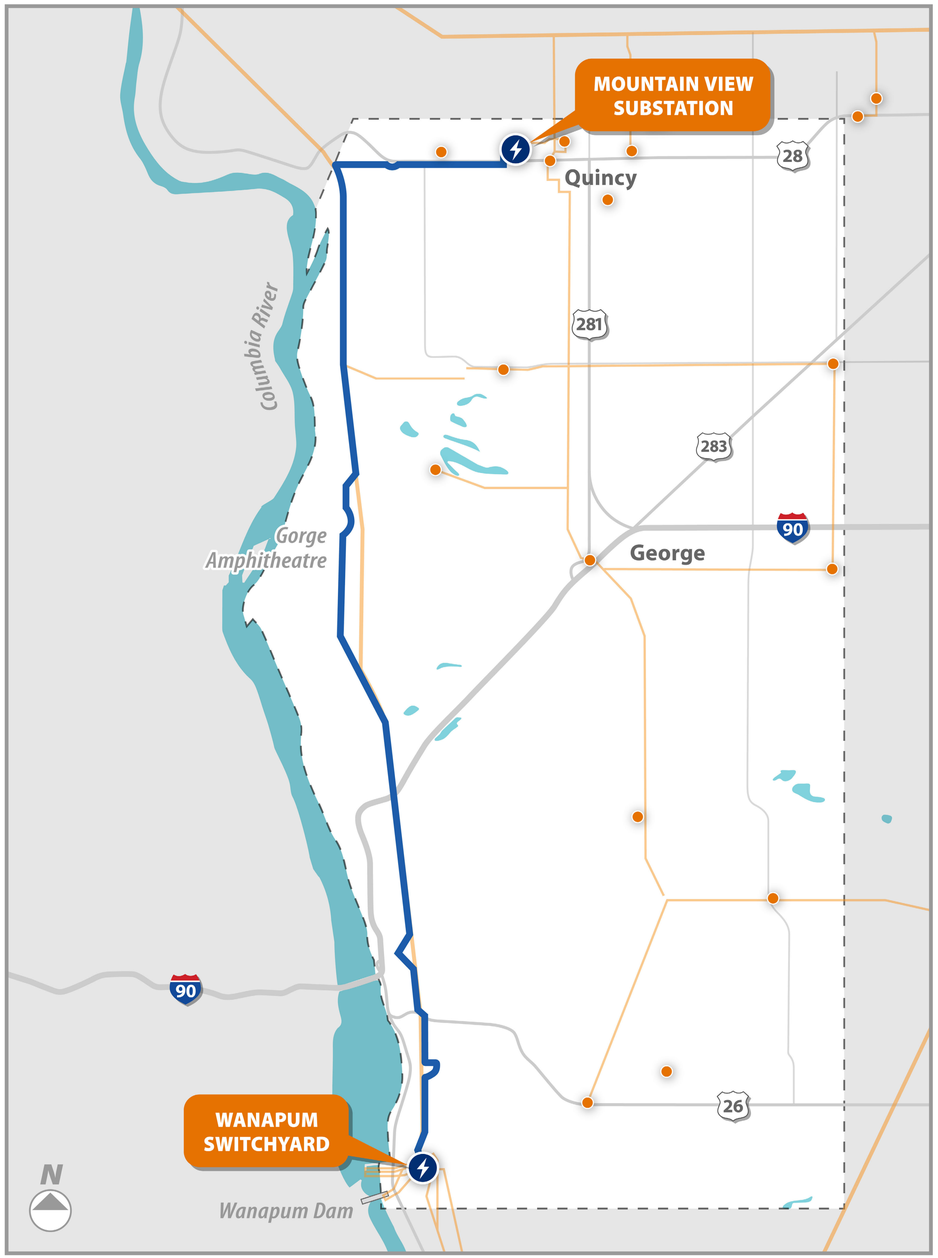
- Follows existing Grant PUD transmission line
- Has only limited access via local roads, so would require construction of new access roads or improvements to existing roads
- Crosses several potentially sensitive natural areas, including wetlands, Washington Department of Fish and Wildlife priority habitats, and the Ancient Lakes area of the Quincy Lakes Unit
- Crosses recreational areas associated with the Ancient Lakes
- Passes near the Gorge Amphitheater campground
- Crosses a greater proportion of undeveloped land than alternatives 3 and 4

ROUTE LENGTH:
30 MILES

APPROXIMATE COST:
$32 MILLION

PARCEL COUNT:
83 PARCELS

 # RESIDENCES ALONG ROUTE:
8 RESIDENCES



WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Route Alternative 2

KEY ELEMENTS

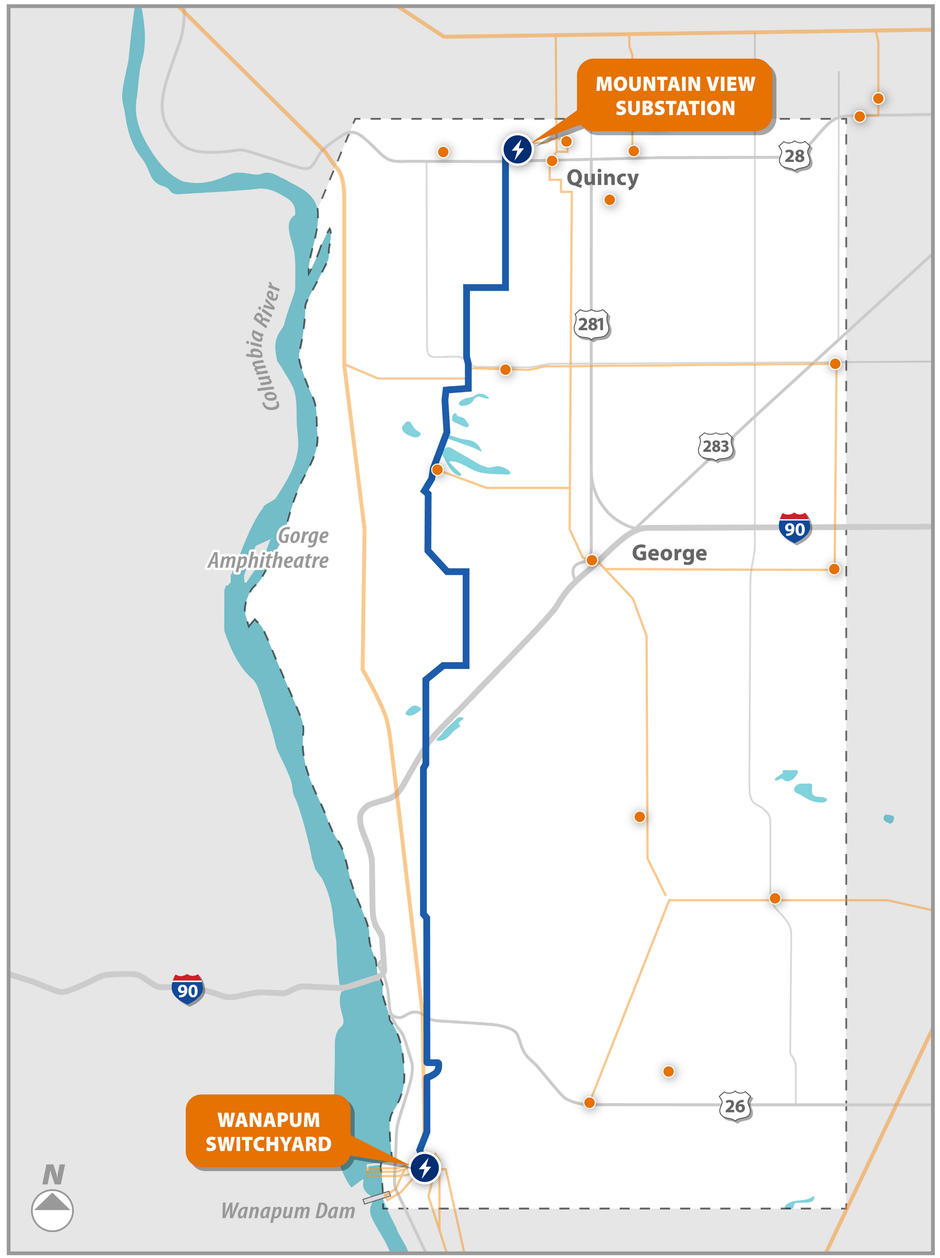
- Follows existing Bonneville Power Administration (BPA) transmission line
- May require construction of new access roads or improvements to existing roads in undeveloped areas
- Crosses several potentially sensitive natural areas, including wetlands, Washington Department of Fish and Wildlife priority habitats, and the Ancient Lakes area of the Quincy Lakes Unit
- Crosses recreational areas associated with the Ancient Lakes
- Crosses a greater proportion of undeveloped land than alternatives 3 and 4

ROUTE LENGTH:
28 MILES

APPROXIMATE COST:
$33 MILLION

PARCEL COUNT:
102 PARCELS

 # RESIDENCES ALONG ROUTE:
9 RESIDENCES



WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Route Alternative 3

KEY ELEMENTS

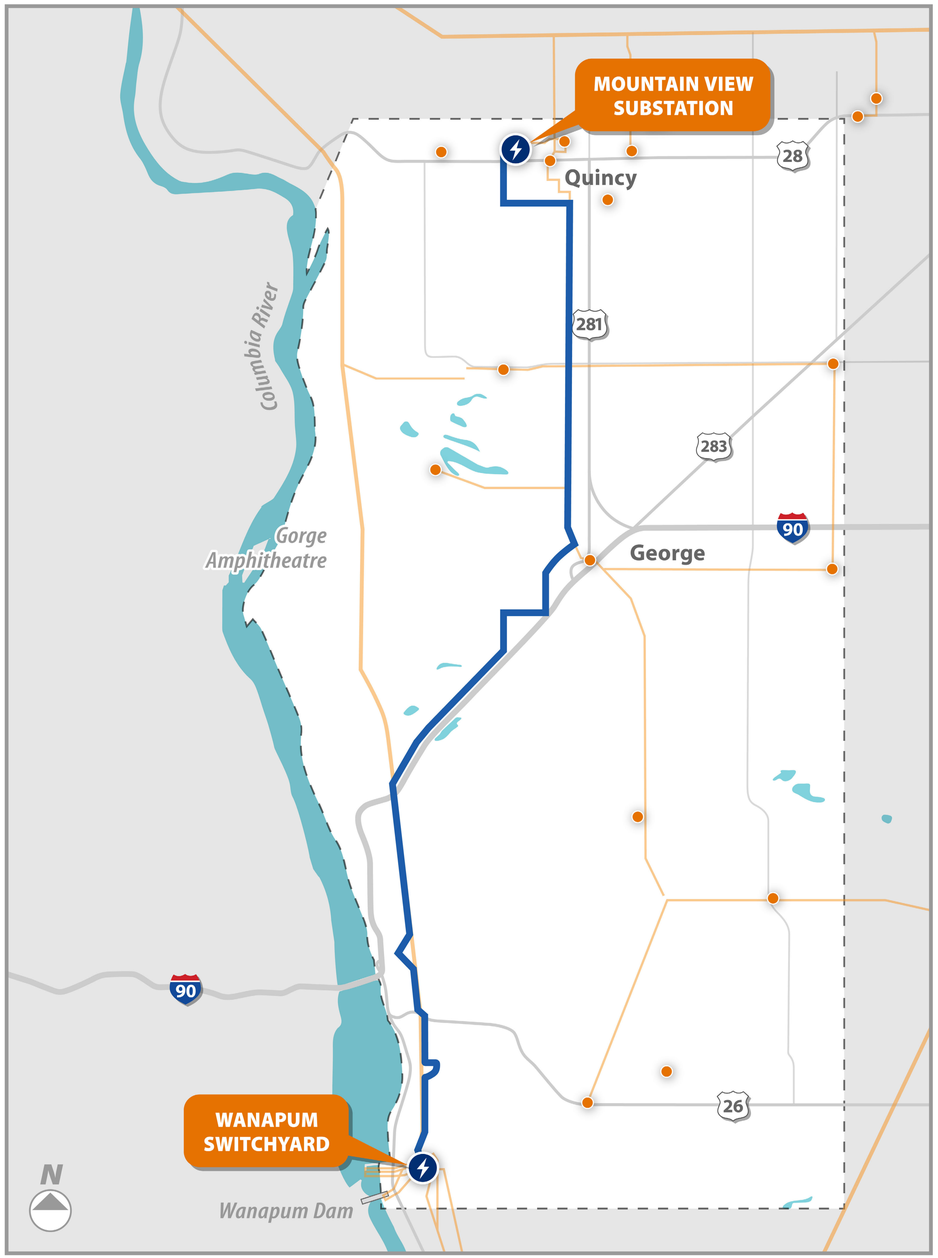
- Runs adjacent to the I-90 corridor
- Includes approximately 6.5 miles of rebuilding the existing 115kV line to a double-circuit 230kV line within the existing corridor
- Crosses a greater proportion of agricultural land and privately owned land than alternatives 1 and 2

ROUTE LENGTH:
29 MILES

APPROXIMATE COST:
$37 MILLION

PARCEL COUNT:
106 PARCELS

 # RESIDENCES ALONG ROUTE:
27 RESIDENCES



WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Route Alternative 4

KEY ELEMENTS

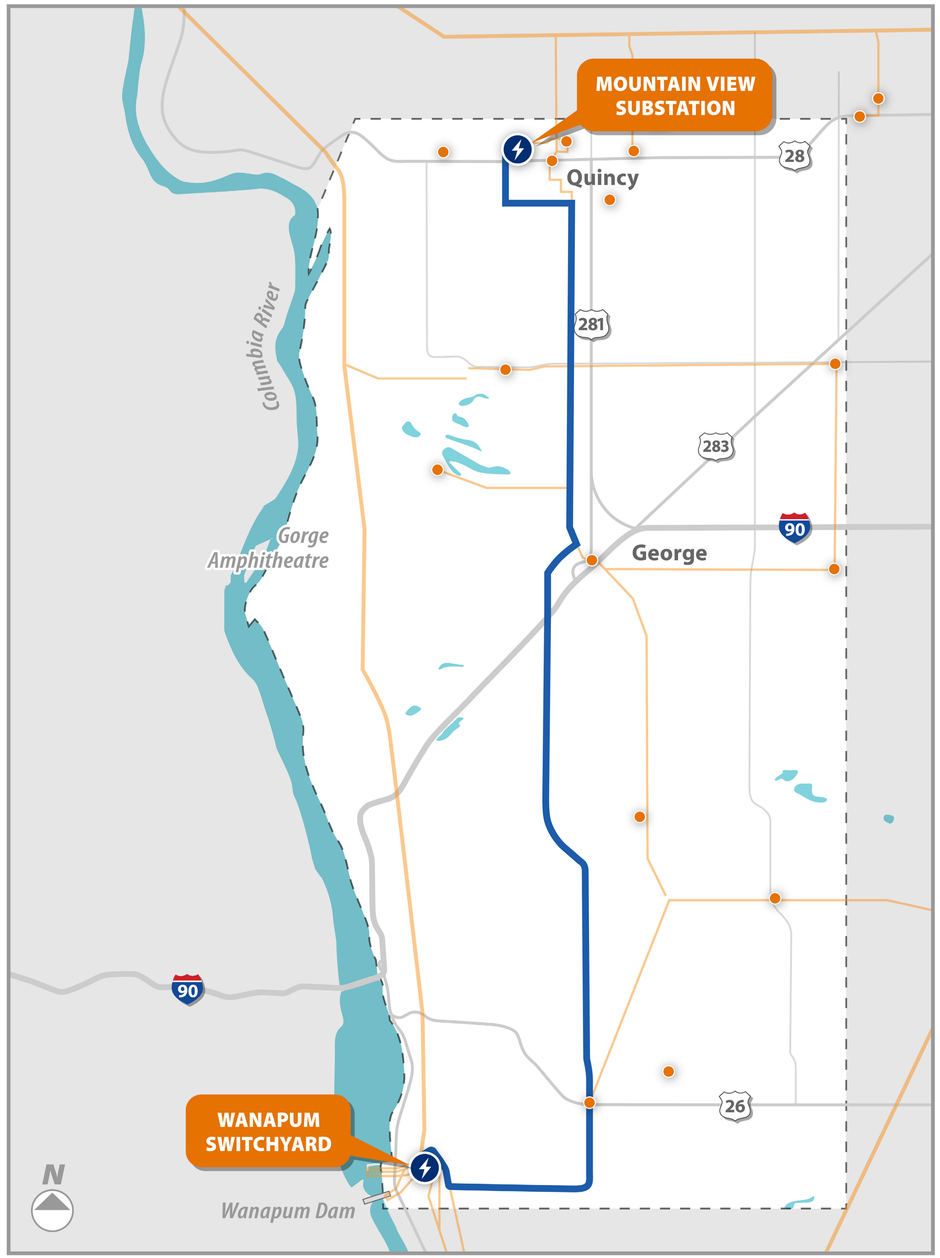
- Includes approximately 6.5 miles of rebuilding the existing 115kV line to a double-circuit 230kV line within the existing corridor
- Crosses a greater proportion of agricultural land and privately owned land than alternatives 1 and 2

ROUTE LENGTH:
32 MILES

APPROXIMATE COST:
$43 MILLION

PARCEL COUNT:
122 PARCELS

 # RESIDENCES ALONG ROUTE:
34 RESIDENCES



How will Grant PUD evaluate the route alternatives?

Grant PUD will consider **technical engineering and design information** and **community feedback** to balance evaluation of each route option.

TECHNICAL ENGINEERING AND DESIGN INFORMATION

Helps Grant PUD understand engineering opportunities and constraints and anticipated environmental and cultural regulatory processes.

COMMUNITY FEEDBACK

Helps Grant PUD understand and address community priorities, questions, and concerns to inform the decision-making process.

WANAPUM – MOUNTAIN VIEW 230KV TRANSMISSION LINE PROJECT

Comment station!

Share your input on the Wanapum to Mountain View Transmission Line Project and route alternatives.

Write your answers to the questions at right on the comment forms.

Place comment forms in the box below.

Are there other factors we should keep in mind as we consider the alternatives?

Are there any areas you are concerned about?

Do you have any questions about the project?

What can community members expect next?

- After the public meetings, Grant PUD will consider community feedback and technical information as they evaluate alternatives and recommend preferred routes to the Grant PUD Board of Commissioners. We expect the preferred routes to be selected in spring 2022.
- We will then move into the environmental review process, advance the design, apply for permits, and move through the right-of-way acquisition process.
- We will continue to share information and engage the community throughout the process. Stay tuned for updates on the project website.

STAY ENGAGED!

- We encourage you to sign up for email updates online at grantpud.org/QTEP.
- You can reach out anytime to ask questions or request a briefing for your community organization:

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