

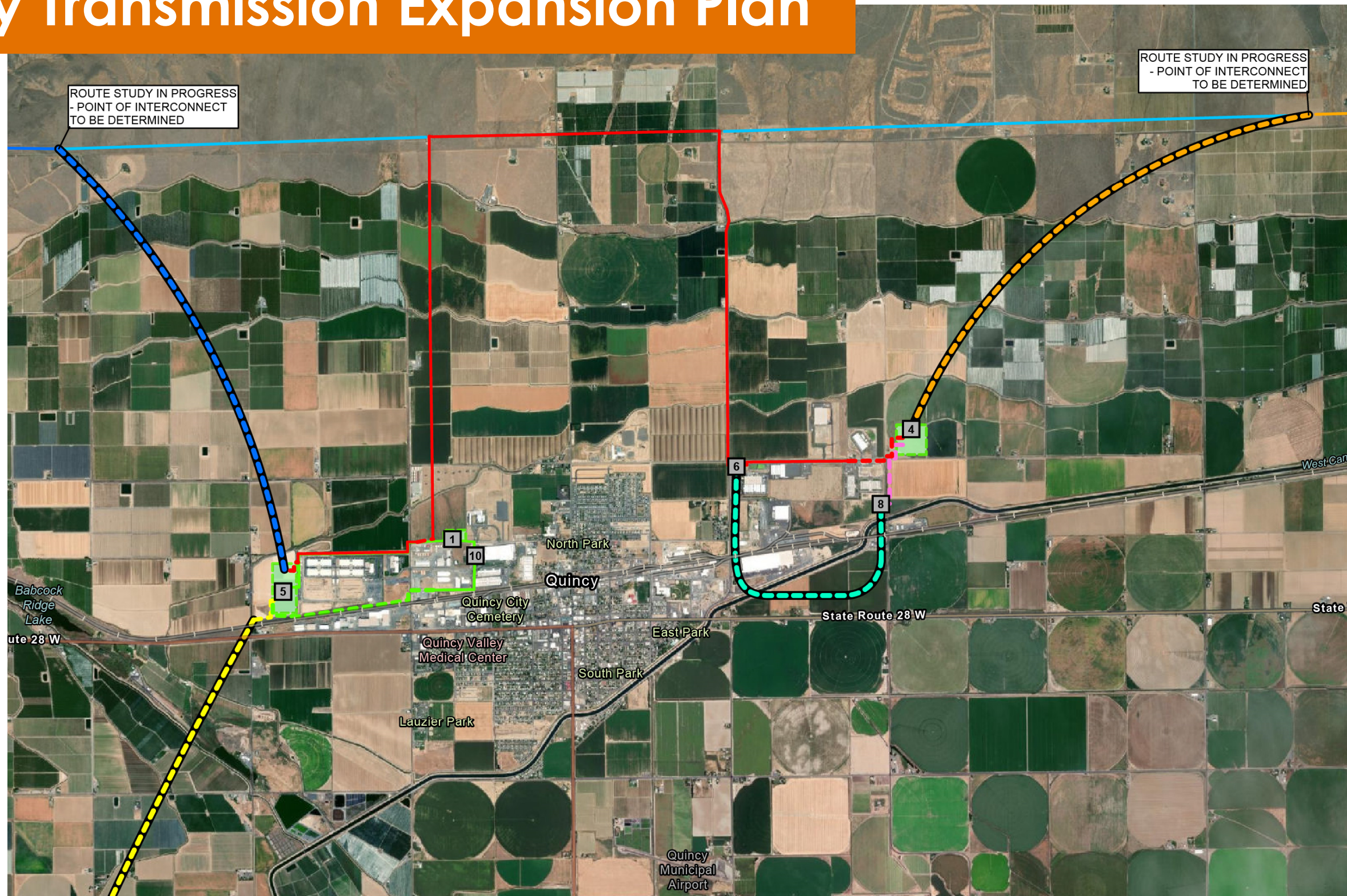
Meeting Overview

OBJECTIVES FOR TODAY

- 1 QTEP Overview
- 2 Routing Process
- 3 Community Engagement
- 4 Stakeholder Engagement
- 5 Quincy Transmission Improvements -
Feedback and Selected Alternatives
- 6 Wanapum to Mountain View Update



Quincy Transmission Expansion Plan





QUINCY TRANSMISSION EXPANSION PLAN TRANSMISSION ROUTING STUDIES

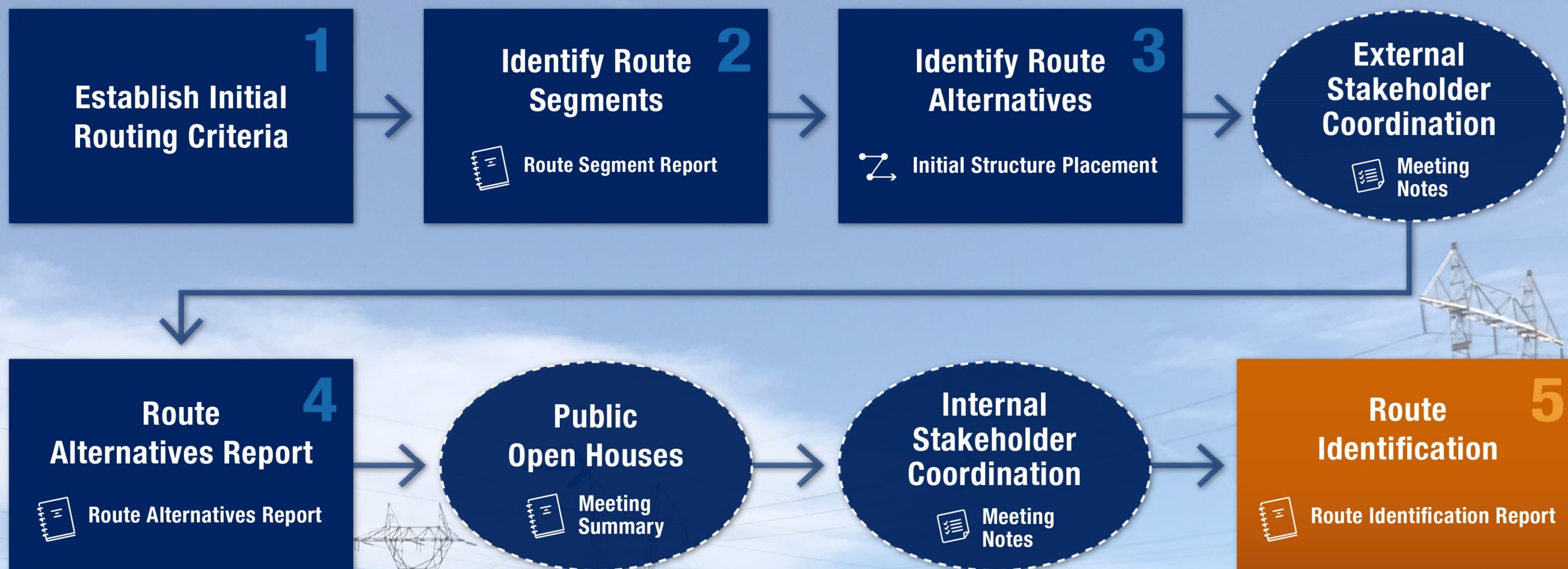
Quincy 230kV Transmission Improvement Projects

- Columbia to Mountain View transmission line
- Monument Hill to Rocky Ford transmission line
- Monument Hill Loop #1 transmission line

Wanapum–Mountain View 230kV Transmission Line Project

- 32-mile transmission line from the Wanapum switchyard to the Mountain View substation in Quincy

The Routing Process



WE ARE HERE

Routing Process

❖ Community Engagement

Quincy Transmission Improvements

- Port of Quincy Business and Event Center
February 8 and 16, 2022
- Virtual Meeting
February 17, 2022

Wanapum-Mountain View

- George Community Hall
February 22, 2022
- Port of Quincy Business and Event Center
March 2, 2022
- Virtual Meeting
March 3, 2022

Routing Process

❖ Stakeholder Outreach

GCPUD Stakeholder Meetings

- Quincy Transmission Improvements
Feb 15 March 7 and 8, 2022
- Wanapum-Mountain View
Feb 14 and 28 March 10, 2022

External Stakeholder Outreach

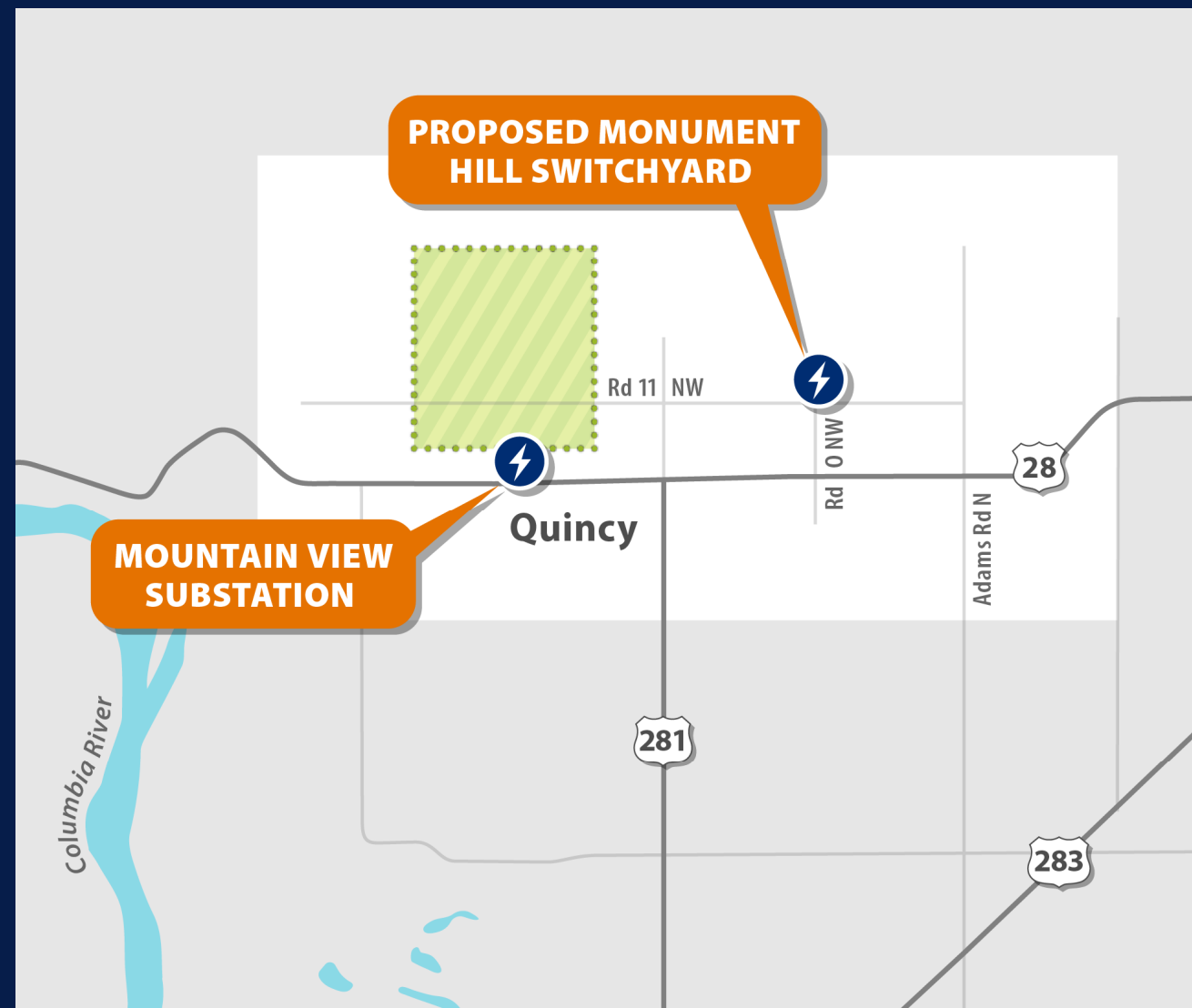
- Grant County
- City of Quincy
- Port of Quincy
- Bureau of Reclamation
(Wanapum to Mountain View)
- Washington Department
of Fish and Wildlife
(Wanapum to Mountain View)

Routing Process

❖ Community Feedback

Quincy Transmission Improvements

- Preference for the shortest and most direct routes
- Locating along or within existing public rights-of-way
- Support for locating the Monument Hill Loop #1 south of the West Canal to support development of Grant County Industrial Zoned property

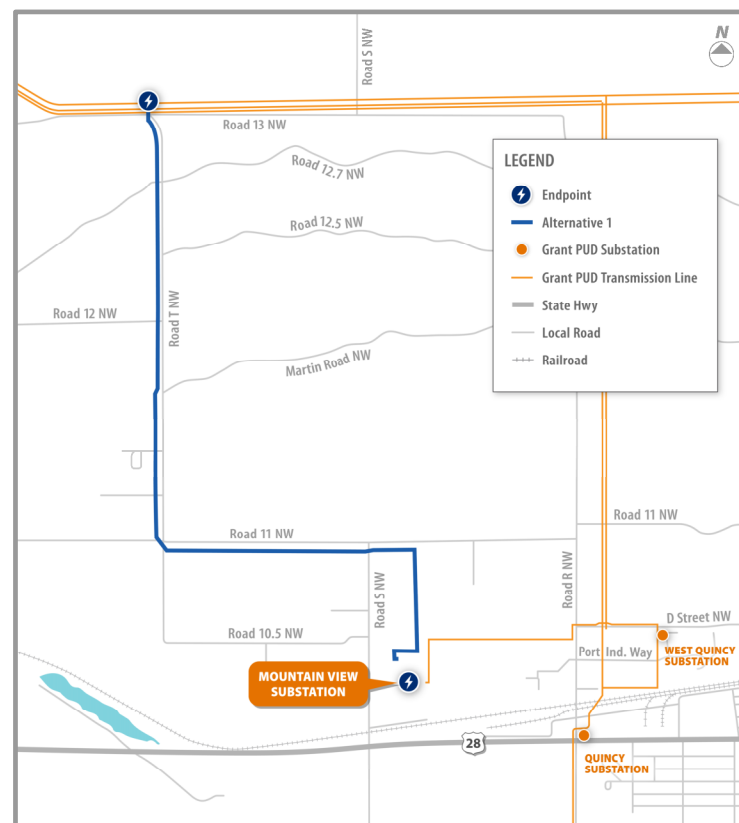


Alternatives

Columbia to Mountain View

Columbia to Mountain View

Alternative 1



ROUTE
LENGTH:

4.1 MILES

APPROXIMATE
COST:

\$6 MILLION

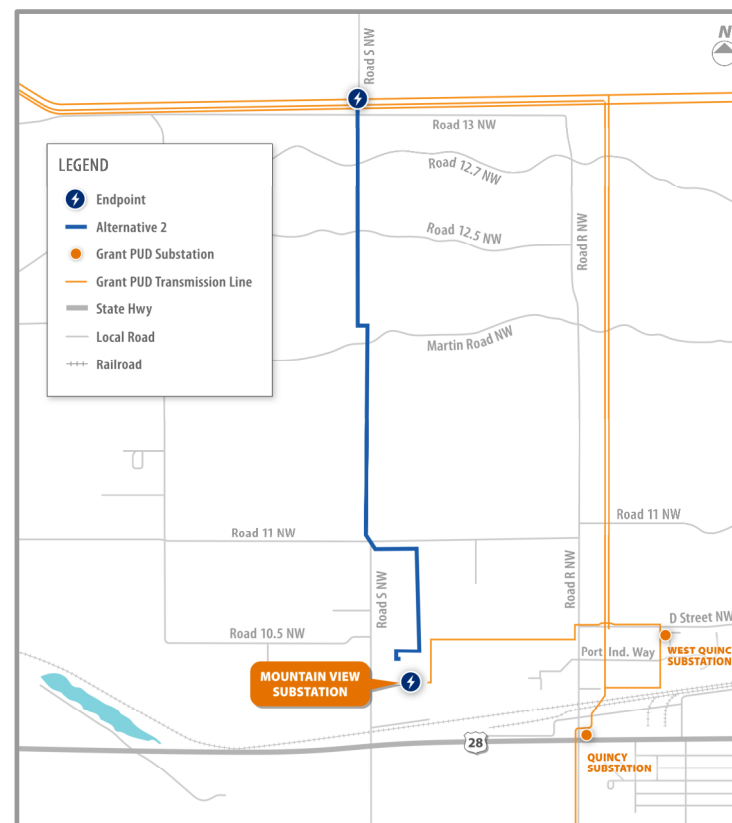
PARCEL
COUNT:

17 PARCELS

RESIDENCES
ALONG ROUTE:

5 RESIDENCES

Alternative 2



ROUTE
LENGTH:

3.2 MILES

APPROXIMATE
COST:

\$6 MILLION

PARCEL
COUNT:

12 PARCELS

RESIDENCES
ALONG ROUTE:

3 RESIDENCES

Alternative 3



ROUTE
LENGTH:

3.8 MILES

APPROXIMATE
COST:

\$6 MILLION

PARCEL
COUNT:

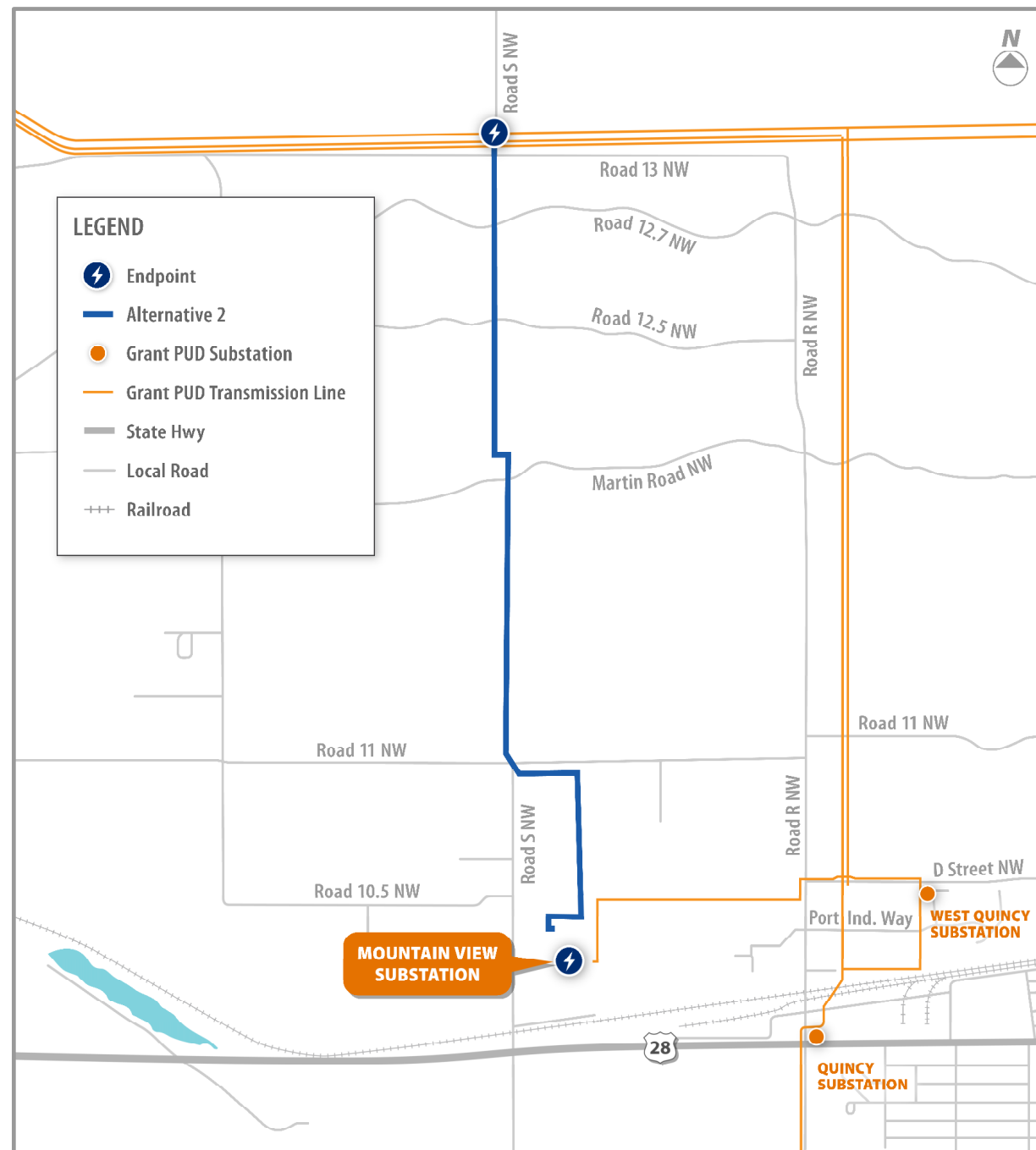
14 PARCELS

RESIDENCES
ALONG ROUTE:

1 RESIDENCE

Columbia to Mountain View - Alternative 2

Selected
Alternative



KEY ELEMENTS

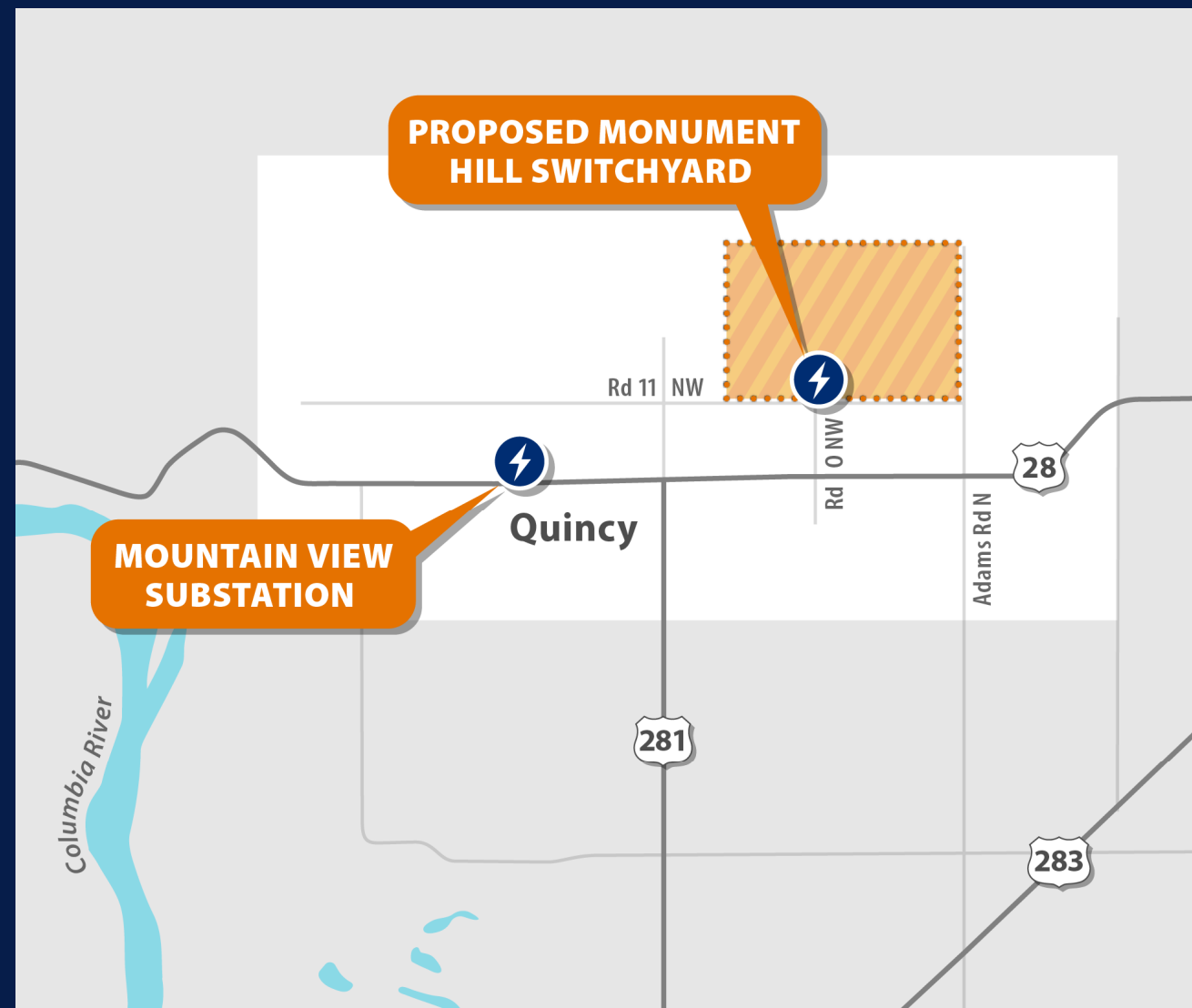
- Shortest length alternative
- Avoids co-locating 3 transmission lines in the same transmission corridor
- Avoids rebuilding an existing 115kV transmission line built in 2009.
- Adjacent to existing agricultural roads for access.

ROUTE
LENGTH:
3.2 MILES

APPROXIMATE
COST:
\$6 MILLION

PARCEL
COUNT:
12 PARCELS

RESIDENCES
ALONG ROUTE:
3 RESIDENCES



Alternatives

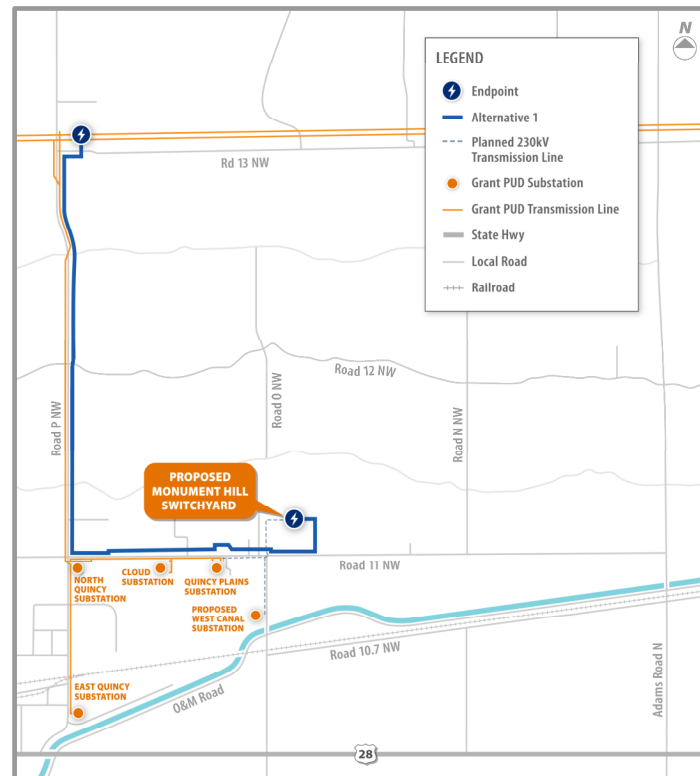
Monument Hill To Rocky Ford



Quincy Transmission Expansion Plan

Monument Hill to Rocky Ford

Alternative 1



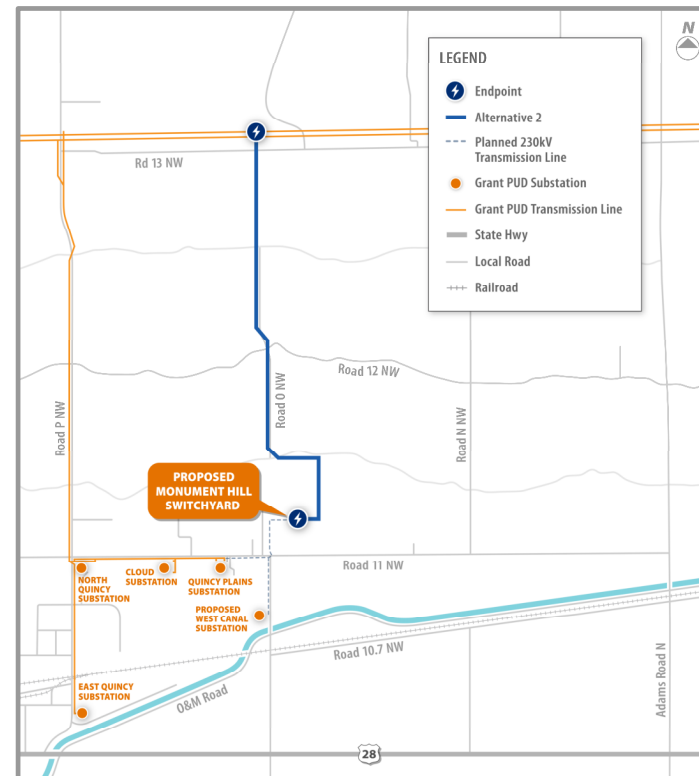
ROUTE
LENGTH:
3.8 MILES

APPROXIMATE
COST:
\$8 MILLION

PARCEL
COUNT:
10 PARCELS

RESIDENCES
ALONG ROUTE:
6 RESIDENCES

Alternative 2



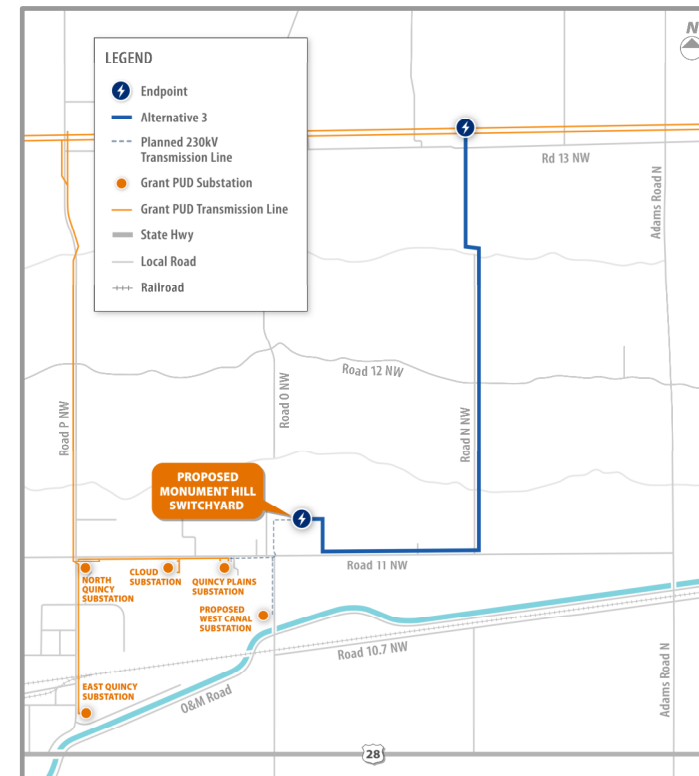
ROUTE
LENGTH:
2.3 MILES

APPROXIMATE
COST:
\$4 MILLION

PARCEL
COUNT:
7 PARCELS

RESIDENCES
ALONG ROUTE:
1 RESIDENCE

Alternative 3



ROUTE
LENGTH:
3.2 MILES

APPROXIMATE
COST:
\$5 MILLION

PARCEL
COUNT:
12 PARCELS

RESIDENCES
ALONG ROUTE:
9 RESIDENCES

Alternative 4



ROUTE
LENGTH:
4.2 MILES

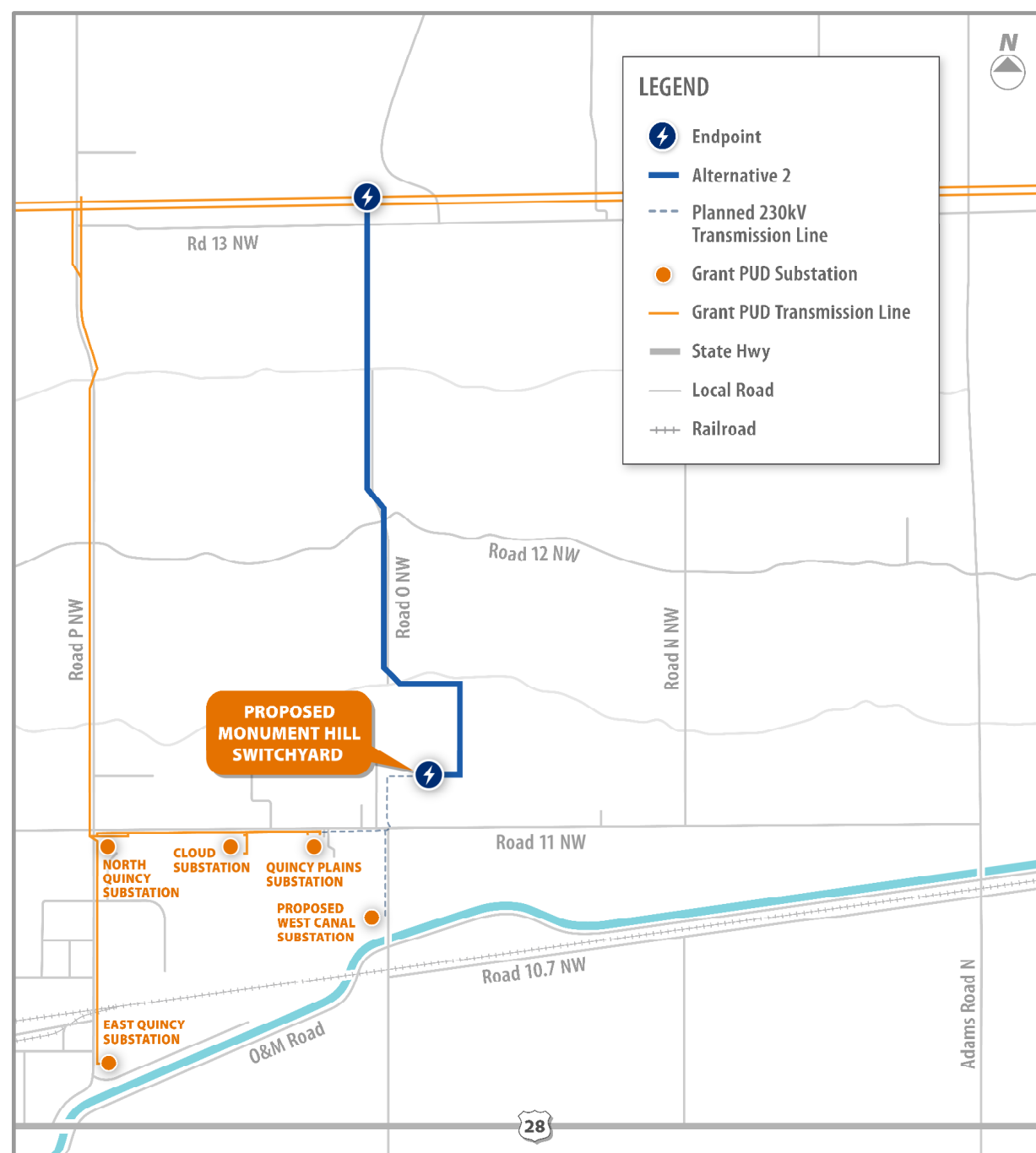
APPROXIMATE
COST:
\$6 MILLION

PARCEL
COUNT:
16 PARCELS

RESIDENCES
ALONG ROUTE:
14 RESIDENCES

Monument Hill to Rocky Ford - Alternative 2

Selected
Alternative ^{SM0}



KEY ELEMENTS

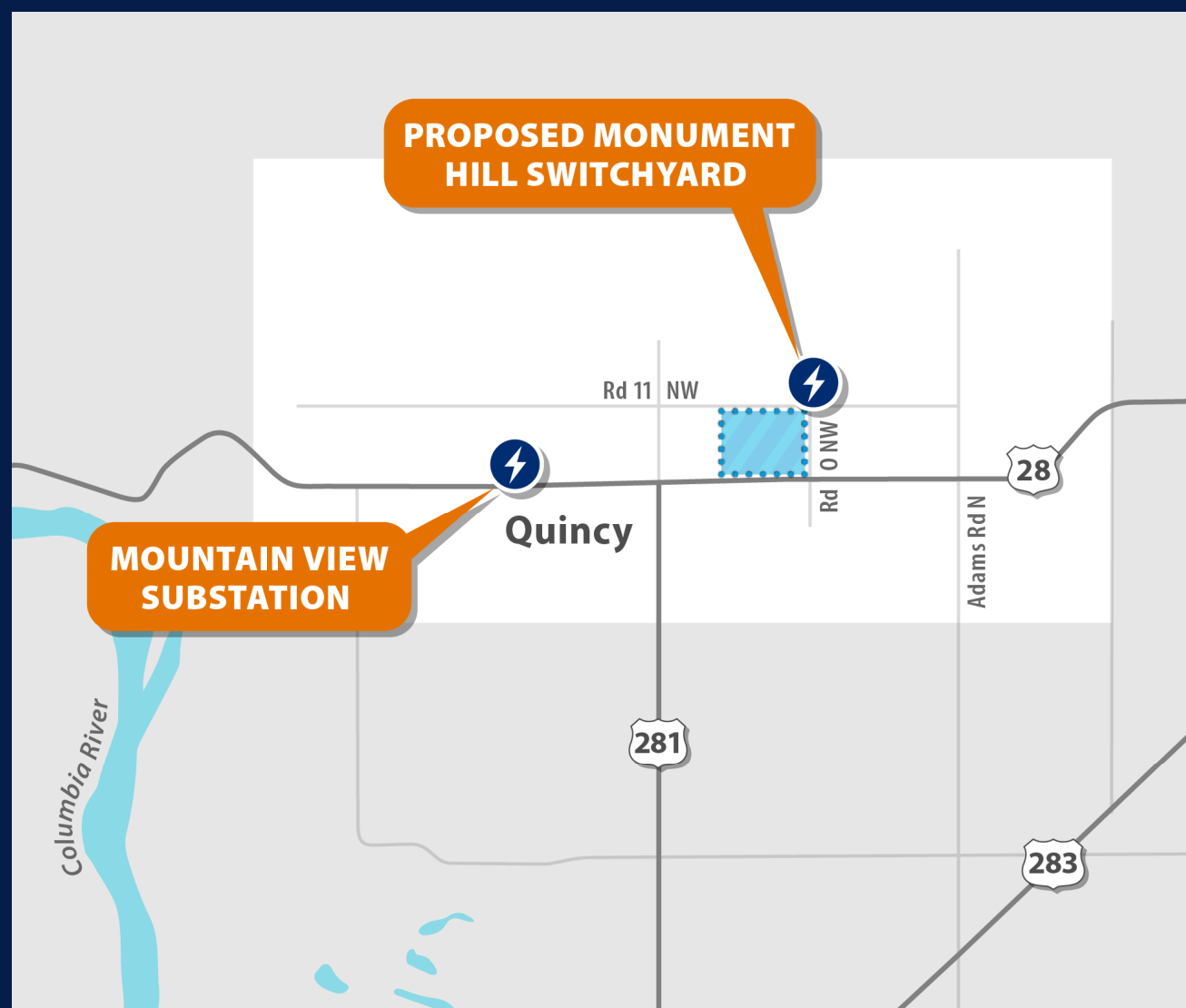
- Shortest and least expensive alternative
- Adjacent to existing agricultural roads for access
- 0.6 miles are on GCPUD owned property

ROUTE
LENGTH:
2.3 MILES

APPROXIMATE
COST:
\$4 MILLION

PARCEL
COUNT:
7 PARCELS

RESIDENCES
ALONG ROUTE:
1 RESIDENCE

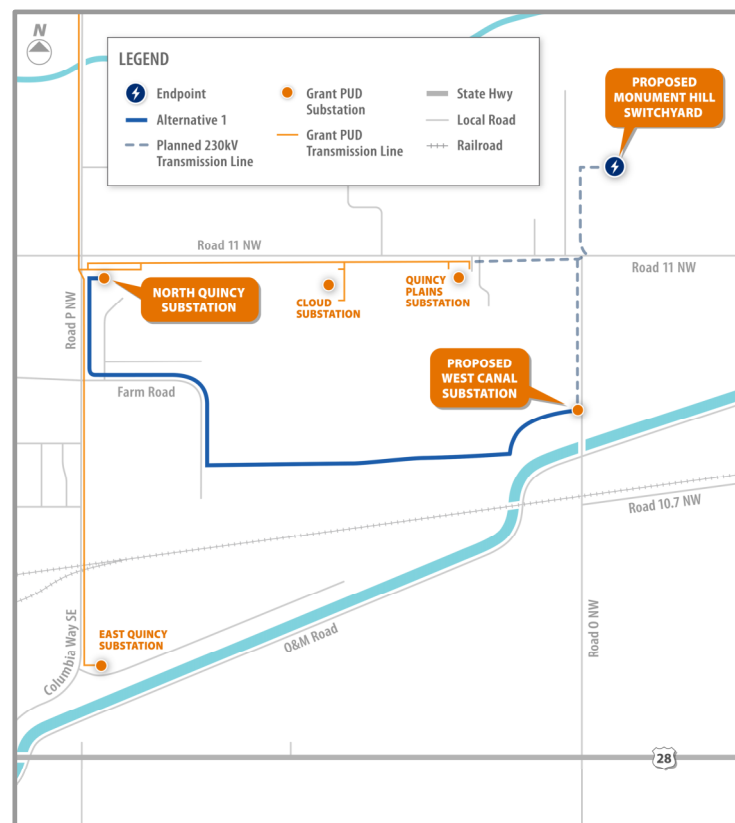


Alternatives

Monument Hill Loop #1

Monument Hill Loop #1

Alternative 1



ROUTE
LENGTH:

1.4 MILES

APPROXIMATE
COST:

\$4 MILLION

PARCEL
COUNT:

4 PARCELS

RESIDENCES
ALONG ROUTE:

0 RESIDENCES

Alternative 2



ROUTE
LENGTH:

2.0 MILES

APPROXIMATE
COST:

\$6 MILLION

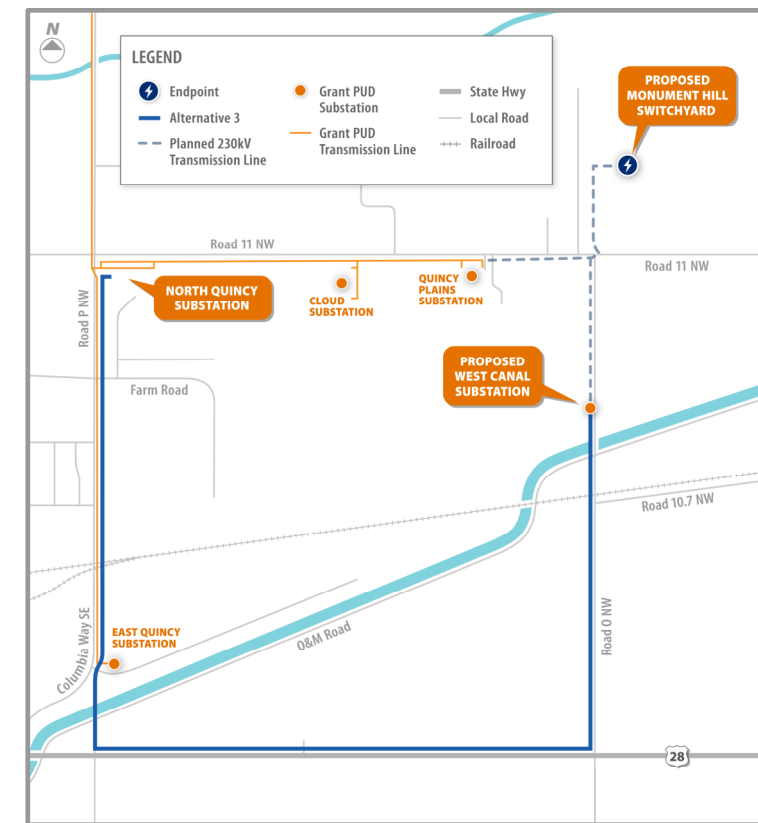
PARCEL
COUNT:

11 PARCELS

RESIDENCES
ALONG ROUTE:

0 RESIDENCES

Alternative 3



ROUTE
LENGTH:

2.6 MILES

APPROXIMATE
COST:

\$7 MILLION

PARCEL
COUNT:

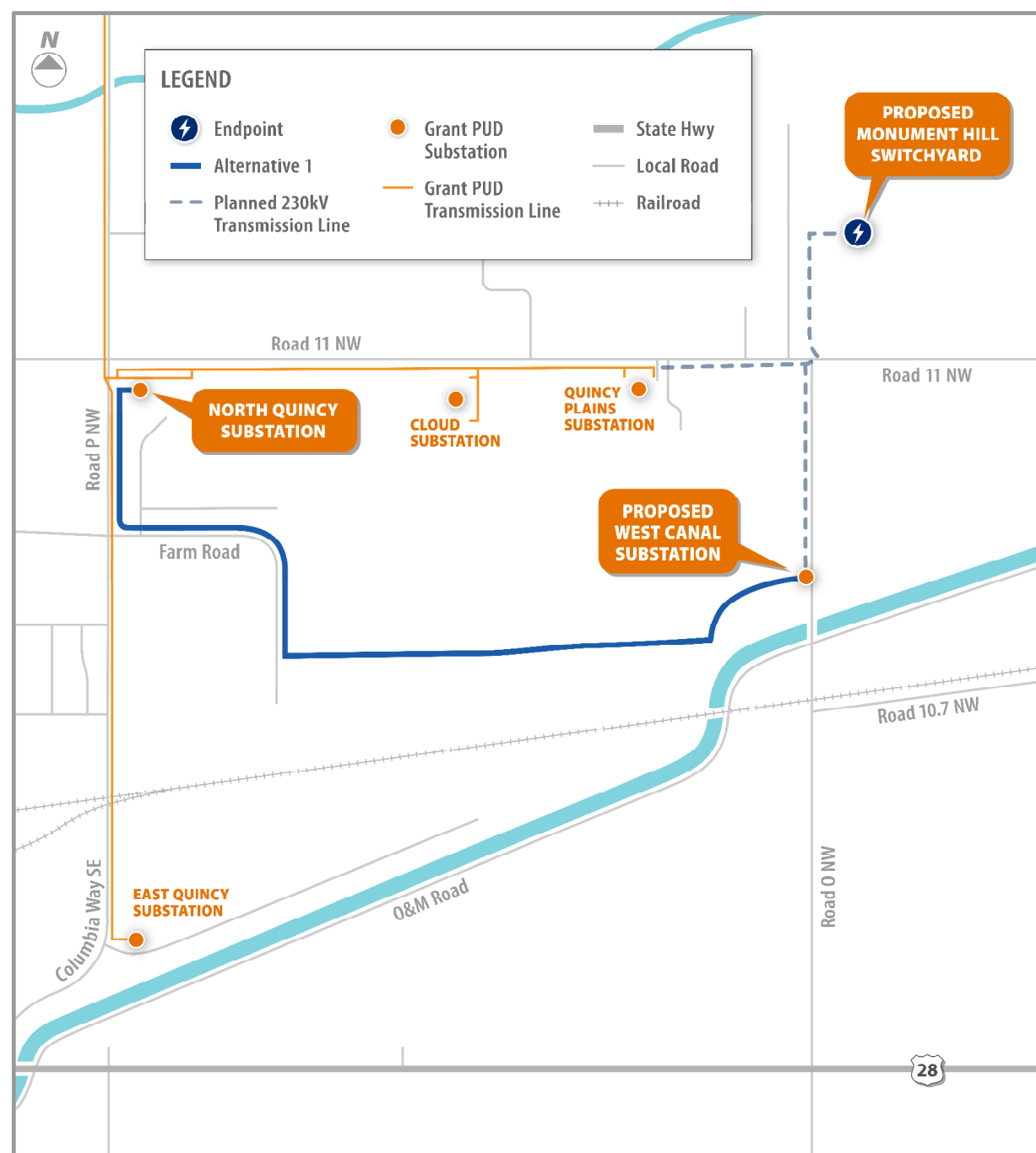
17 PARCELS

RESIDENCES
ALONG ROUTE:

9 RESIDENCES

Monument Hill Loop #1 - Alternative 1

Selected
Alternative ^{SMO}



KEY ELEMENTS

- Shortest and least expensive alternative
- Located entirely within commercial/industrial land uses and zones
- Avoids crossings of the BN rail line and the West Canal

ROUTE LENGTH:
1.4 MILES

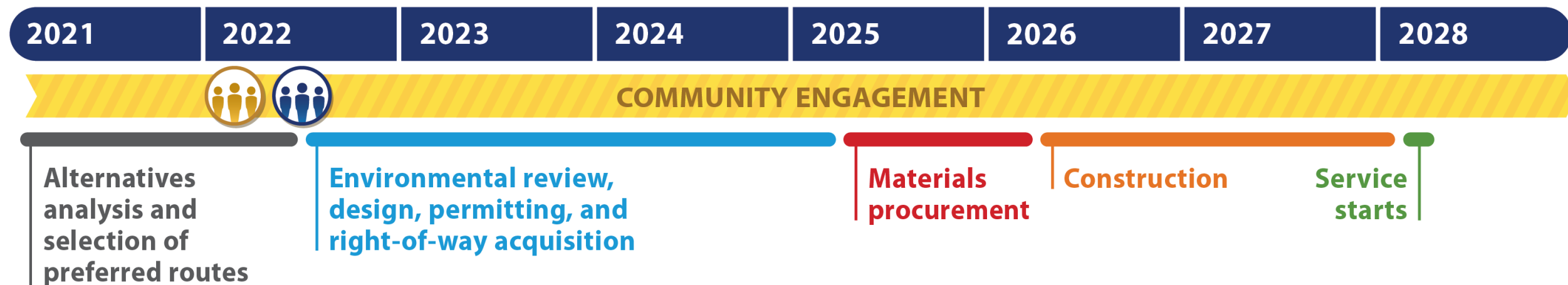
APPROXIMATE COST:
\$4 MILLION

PARCEL COUNT:
4 PARCELS

RESIDENCES ALONG ROUTE:
0 RESIDENCES

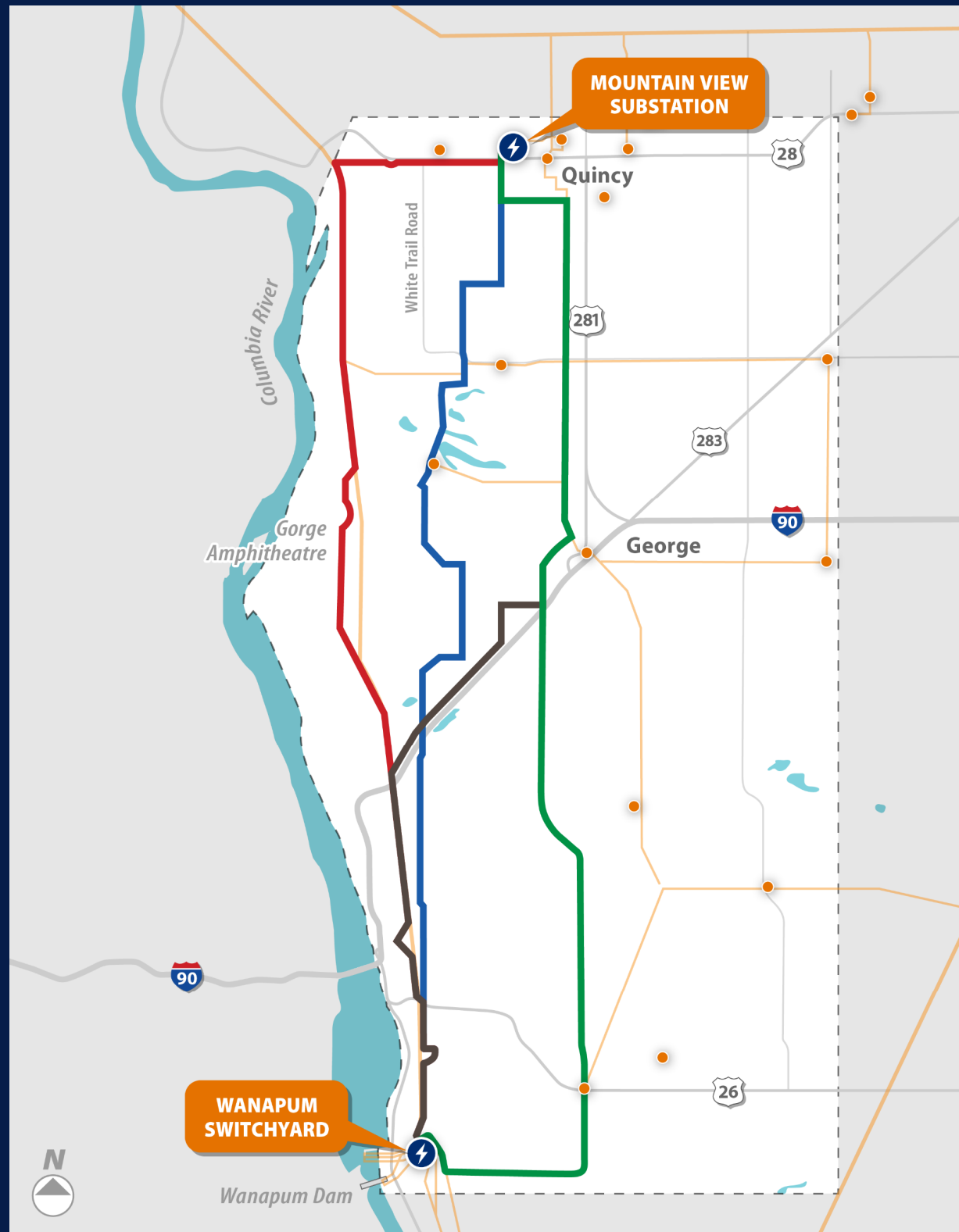
Quincy Transmission Improvements

❖ Timeline



 Public Meetings - February 2022

 Grant PUD: Commission Meeting - June 2022



Alternatives

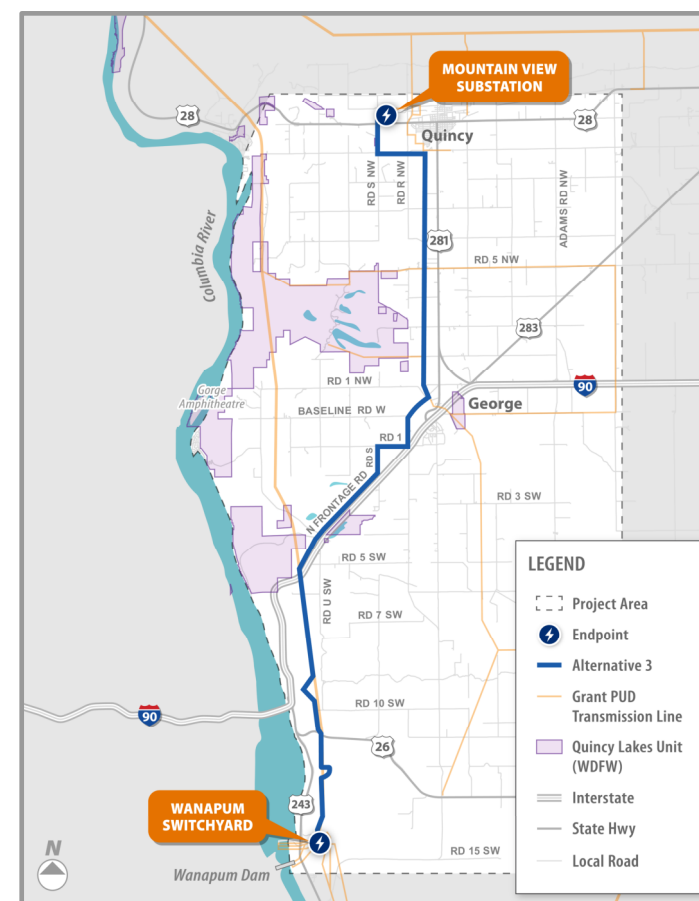
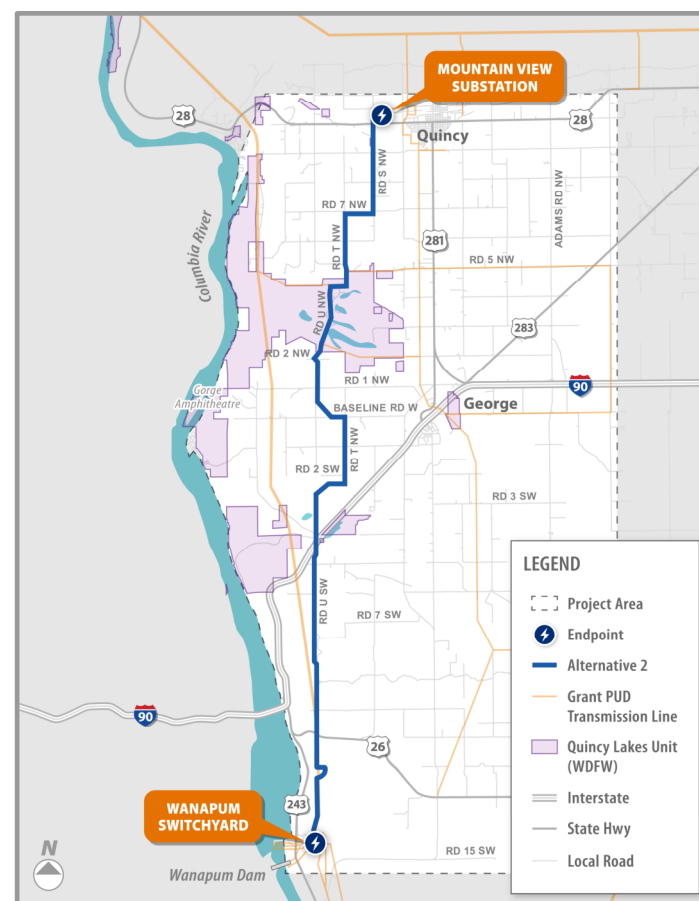
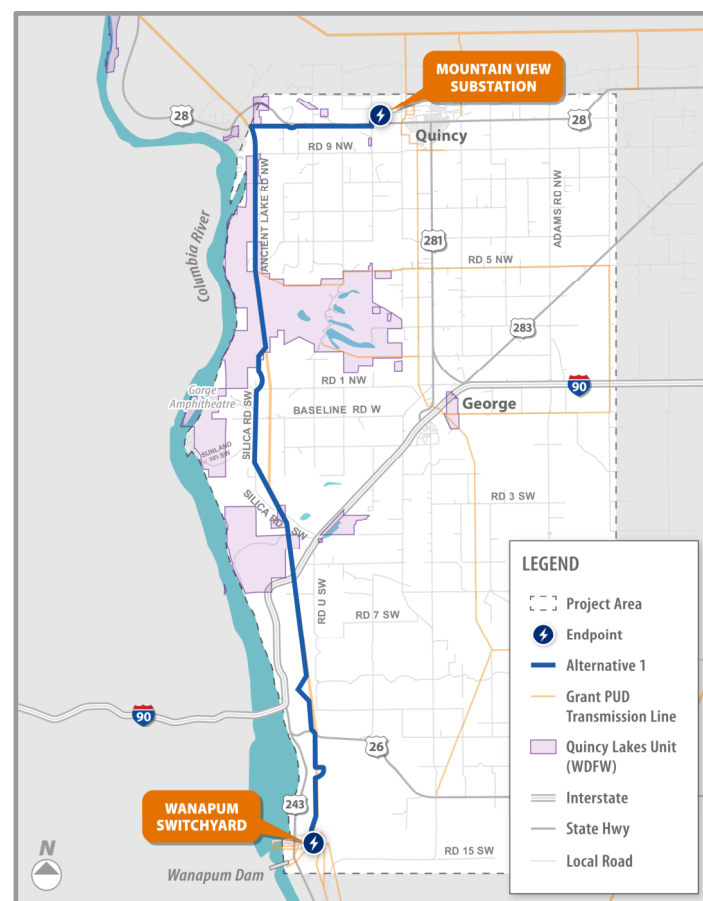
Wanapum to
Mountain View

Alternative 1

Alternative 2

Alternative 3

Alternative 4



ROUTE LENGTH:

30 MILES

PARCEL COUNT:

83 PARCELS

ROUTE LENGTH:

28 MILES

PARCEL COUNT:

102 PARCELS

ROUTE LENGTH:

29 MILES

PARCEL COUNT:

106 PARCELS

ROUTE LENGTH:

32 MILES

PARCEL COUNT:

122 PARCELS

APPROXIMATE COST:

\$32 MILLION

RESIDENCES ALONG ROUTE:

8 RESIDENCES

APPROXIMATE COST:

\$33 MILLION

RESIDENCES ALONG ROUTE:

9 RESIDENCES

APPROXIMATE COST:

\$37 MILLION

RESIDENCES ALONG ROUTE:

27 RESIDENCES

APPROXIMATE COST:

\$43 MILLION

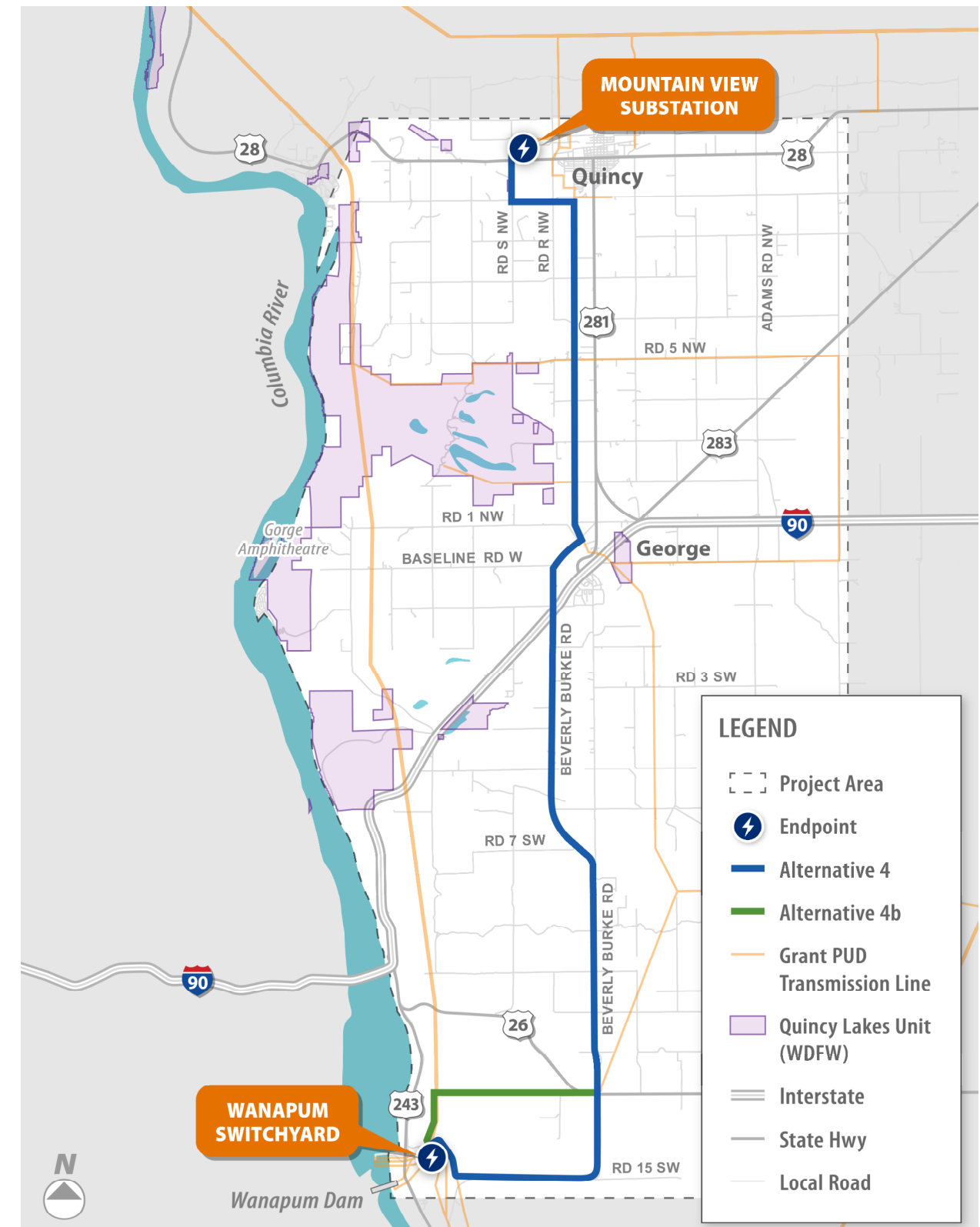
RESIDENCES ALONG ROUTE:

34 RESIDENCES

Wanapum to Mountain View

❖ Alternative 4b

- Modifies Alt 4 to travel north out of Wanapum Substation and then travel east across private property to Beverly Burke Road.
- The total length of Alt 4 would be reduced by 1.5 miles.



Wanapum to Mountain View

❖ Additional Analysis

○ Alternative 4b

- The District is reviewing this alternative for comparison to the other alternatives

○ Review of access needs at Ancient Lakes and Frenchman Coulee

- Access road construction has potential for cultural and natural resource impacts
- Review provides a better understanding of the regulatory process for comparison

○ Follow Up Meetings with WDFW and the Bureau

- WDFW manages Ancient Lakes and Frenchman Coulee areas that would be crossed by either alternatives 1 or 2.
- The Bureau owns lands that will be crossed by the project and will be lead federal agency under NEPA

Wanapum to Mountain View

❖ Next Steps

- Evaluation of Alternative 4b
Summer of 2022
- Evaluate access needs on state and federal lands
Summer of 2022
- Follow up meetings with state and federal agencies
Fall of 2022
- Route Selection
Winter of 2022/2023



Quincy Transmission Expansion Plan

Thank You

Power Production

McKay and Sposito
New Construction Inspection Contract 430-11380



Powering our way of life.

Contract History

- Contract Awarded in 2011 to Support new Operating License Construction Projects: Fish Bypass, Priest Rapids Hatchery, Fish Acclimation Sites, Recreation Sites, and Others
- In 2018, McKay & Sposito was Chosen to Provide Construction Management and Inspection Services for PRREIP



Benefits of This Contract

- Limited District Staff Resources
- Weekend and Night Coverage Needed
- Inspection Service in Current Approved Budget



Contractor Selection

- Three Proposals Received (McKay & Sposito, Strata, and Western Pacific Engineering & Survey)
- Firms were graded on nine categories



Benefits of Awarding to MSI

- MSI Received Higher Scored in Every Category Over the other two Proposals
- MSI has a Proven Track Record of Support and Capability
- MSI is Providing a High-Level of Support to the District
- New Contract Rates were Compared to Other Similar District Contracts
- MSI Rates are Competitive



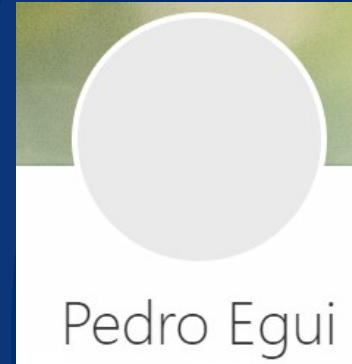
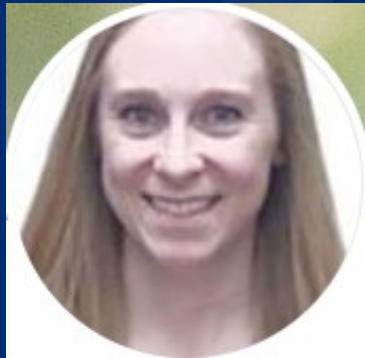
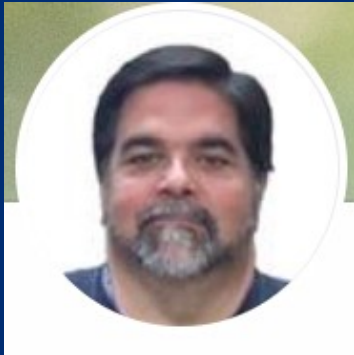
New Project Tasks for Contract:

Station Service Substation Project

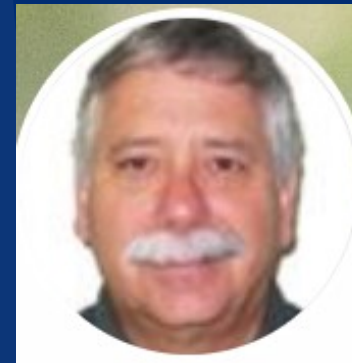


New Project Tasks for Contract:

Station Service Substation Project – Current Staffing

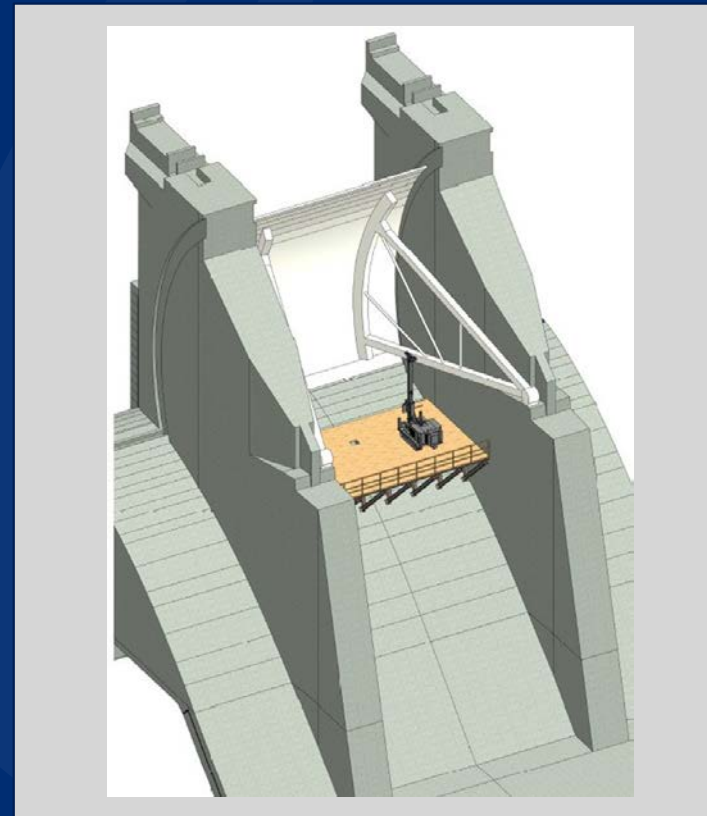
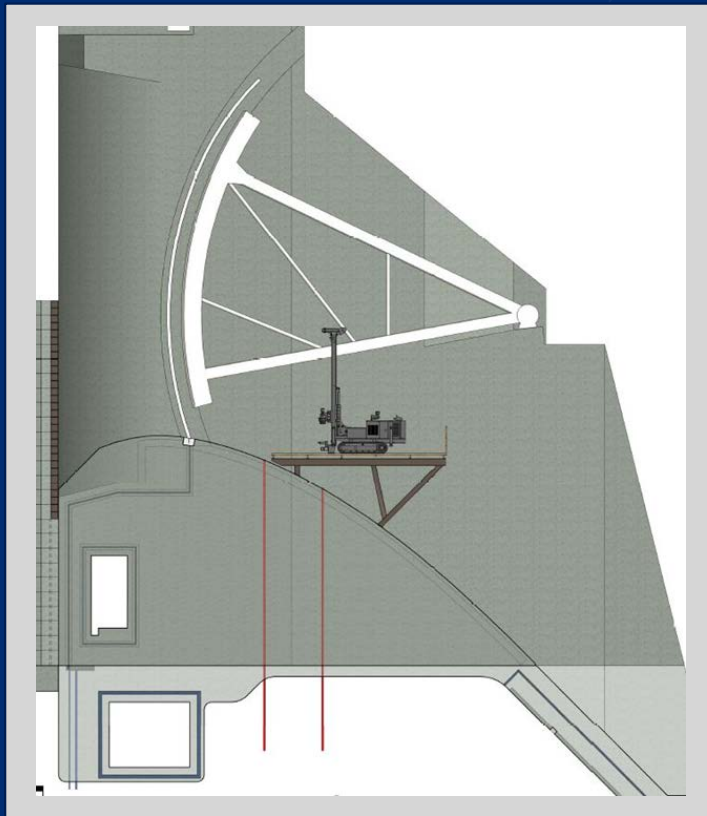


Future MSI
Construction
Inspector



New Project Tasks for Contract:

Priest Rapids Post Tension Anchor Project





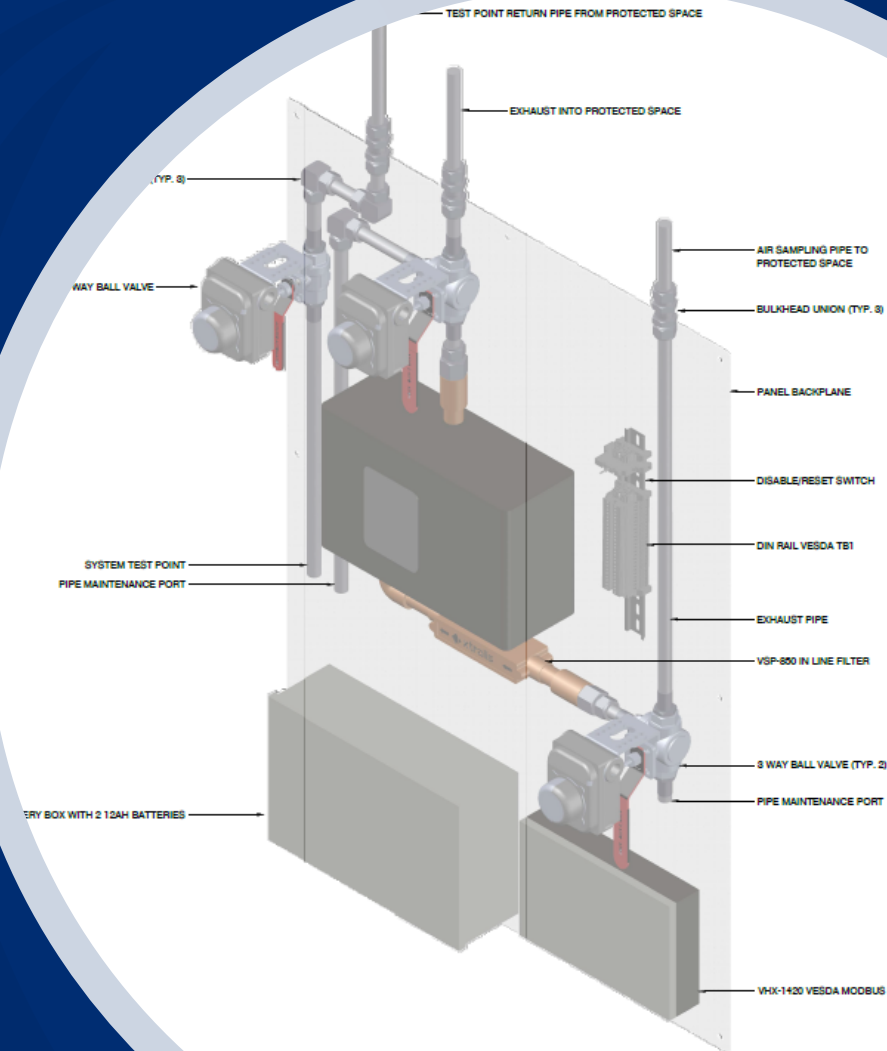
Upcoming Project Tasks Within Next 5 Years

**Priest Rapids Spillway Gate
Rehabilitation**



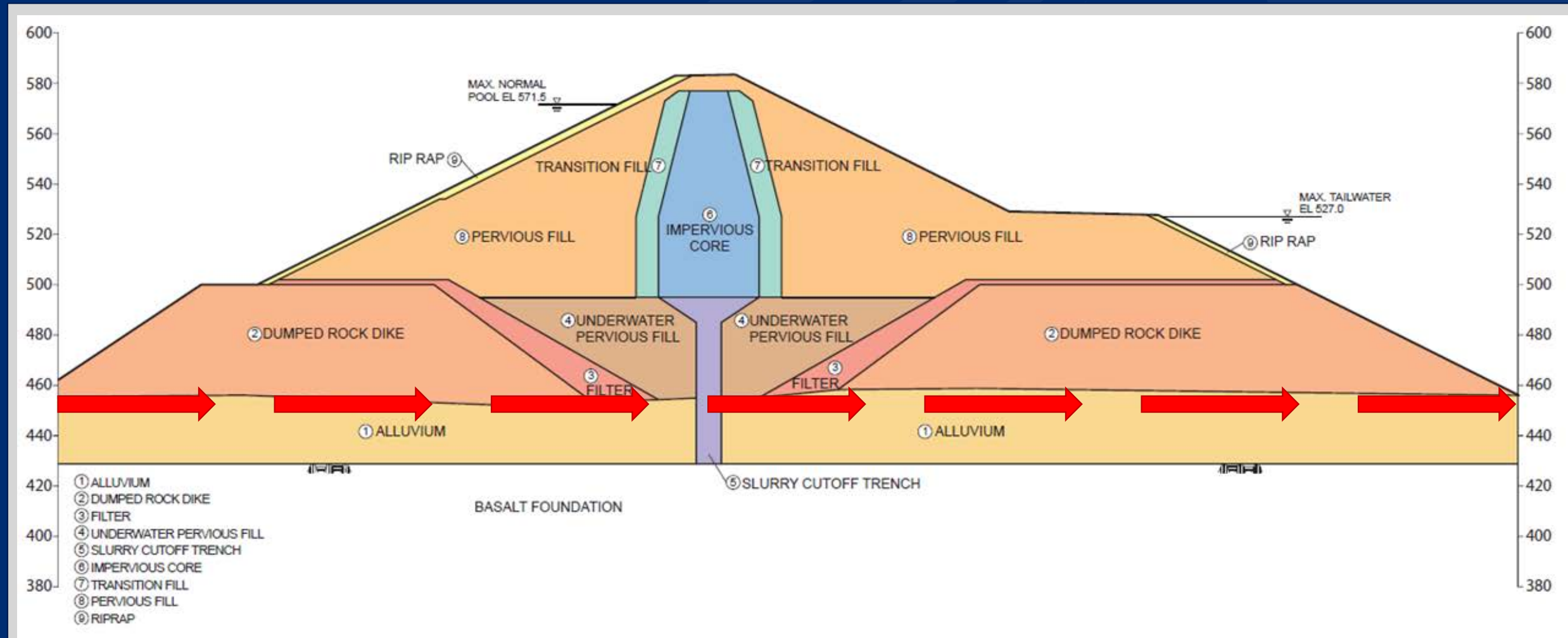
Upcoming Project Tasks Within Next 5 Years

Fire Suppression Upgrades



Upcoming Project Tasks Within Next 5 Years

Wanapum & Priest Rapids Dam Remediation Projects



Additional Dam Safety Projects

- Wanapum Dam River Closure Section Remediation
- Priest Rapids Dam Left Embankment Internal Erosion Remediation
- Tainter Gate Seismic Upgrades
- Spillway Pier Seismic Retrofit
- Spillway Bridge Deck Seismic Retrofit

Recommendation

- Proceeding with a New Construction Inspection Contract (5 Million NTE) is in the best interest of the District.
- Approval is recommended.





Powering our way of life.

Fish, Wildlife and Water Quality Business Unit

Grant PUD Commission Meeting June 14, 2022

Operate Responsibly by Attaining Environmental, Cultural Resource and Regulatory Compliance



Powering our way of life.

Purpose & Goal

The Fish and Wildlife Business Unit uses technology, innovation, strategic thinking, good stakeholder relations and skilled negotiations to ensure we are achieving compliance with our Natural Resources regulatory requirements in a safe, cost efficient and biologically sound manner while helping to maintain the long-term financial health of the District.



2022 Safety Culture

- ❖ No Recordable Incidents;
- ❖ Job Site Briefs = 85 (Through 5/12/2022)
- ❖ Job Site Reviews = 43 (Currently at ~51%)
 - ❑ Goals = 10%; Stretch Goal = 15-20%
- ❖ Safety Meeting Attendance (2021) = 96%
- ❖ Safety Meeting Attendance (Jan – Present 2022) = 98%
- ❖ Training Status Completion Rate = 98%





Operating Unit

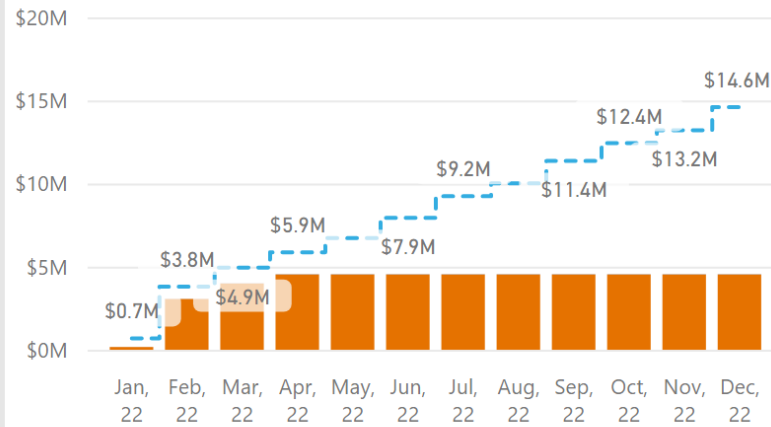
EB - Power Production

Section

EB42 - PP FW

Capital Labor & Net Actuals YTD Vs. Year-End-Projections

● Net Actuals ● Capital Labor ● Budget YTD



Gross Actuals Vs. Budget

\$4.5M -22.6%



Capital Labor Actuals Vs. Budget

\$8,529 +777.0%



Net Actuals Vs. Budget

\$4.5M -22.7%



Budget vs Actuals (Including Cap Labor)

Cost Category Type/Cost Category	Budgeted	Actuals	Budget Var	Budget Var %	Consumed %
Purchased Services	\$2,617,816	\$1,377,817	-\$1,240,000	-47.4%	52.6%
G&A	\$2,453,021	\$2,447,902	-\$5,119	-0.2%	99.8%
Labor	\$670,543	\$664,537	-\$6,006	-0.9%	99.1%
Salaries & Wages	\$467,985	\$424,455	-\$43,530	-9.3%	90.7%
Benefits	\$189,939	\$234,007	\$44,069	23.2%	123.2%
Other Labor	\$12,619	\$6,074	-\$6,544	-51.9%	48.1%
Operating Materials & Equipment	\$99,681	\$31,155	-\$68,526	-68.7%	31.3%
Utilities	\$24,042	\$17,121	-\$6,921	-28.8%	71.2%
Transportation		\$1,575			
Total	\$5,865,103	\$4,540,106	-\$1,324,997	-22.6%	77.4%

- Capital Labor is a subset of the Labor above

- Net Actuals vs Budget = Gross Actuals minus Capital Labor



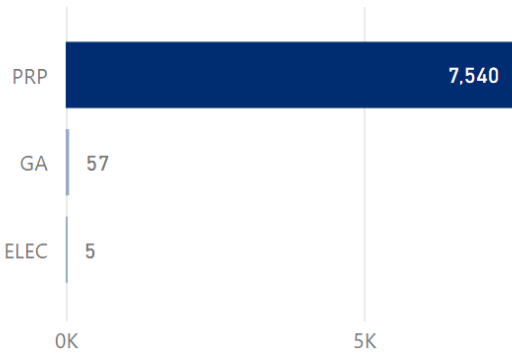
Operational Unit

EB - Power Production

Section

EB42 - PP FW

Hours by System

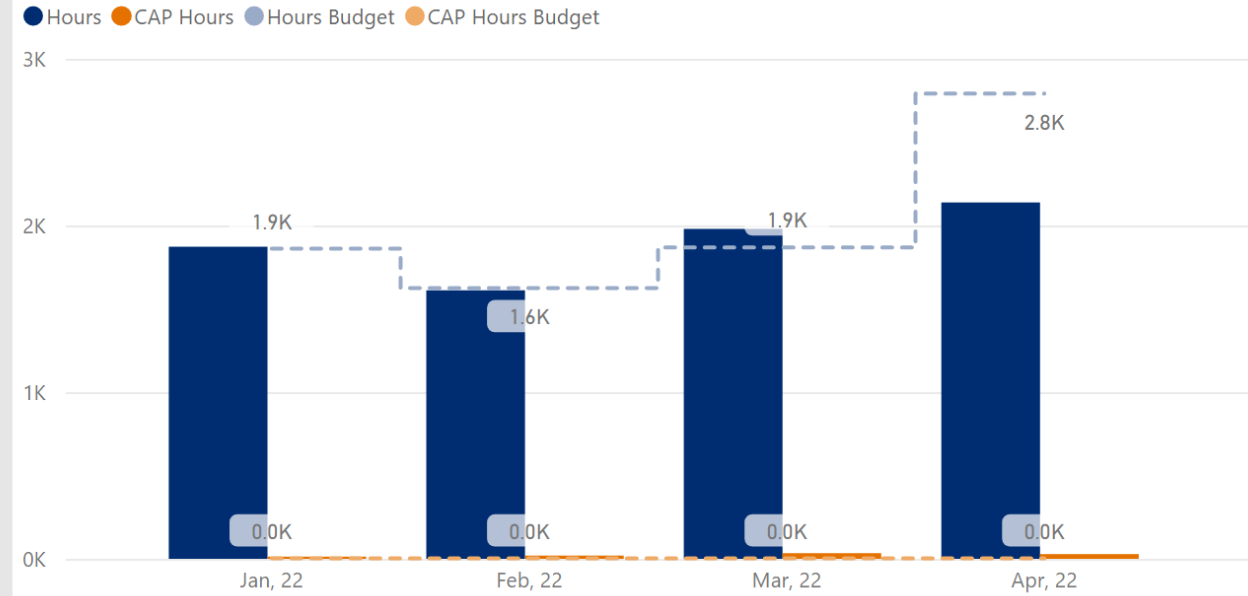


Hours by Program

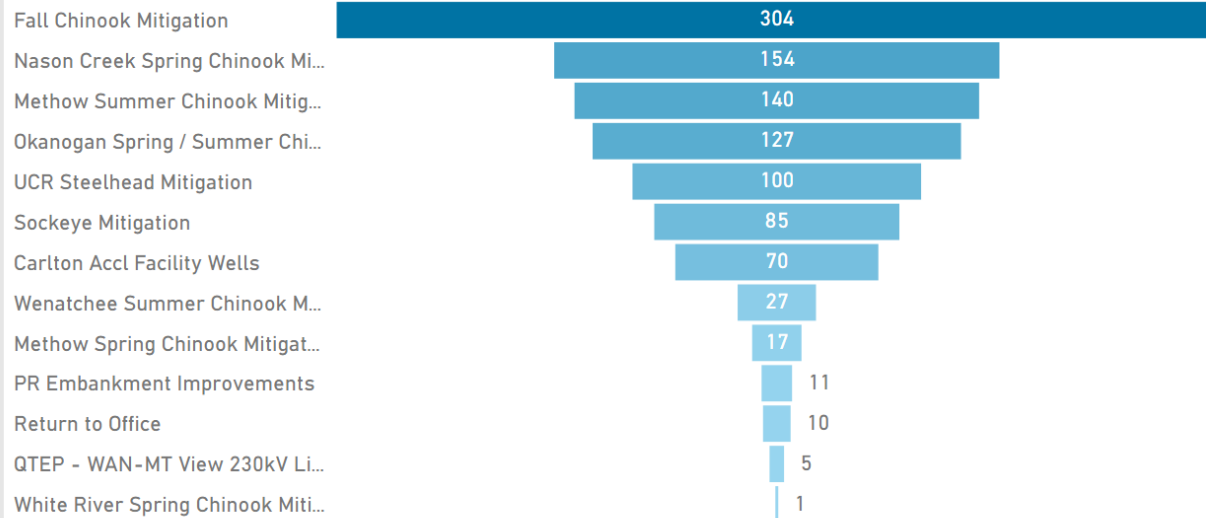
FERC Compliance

1,033

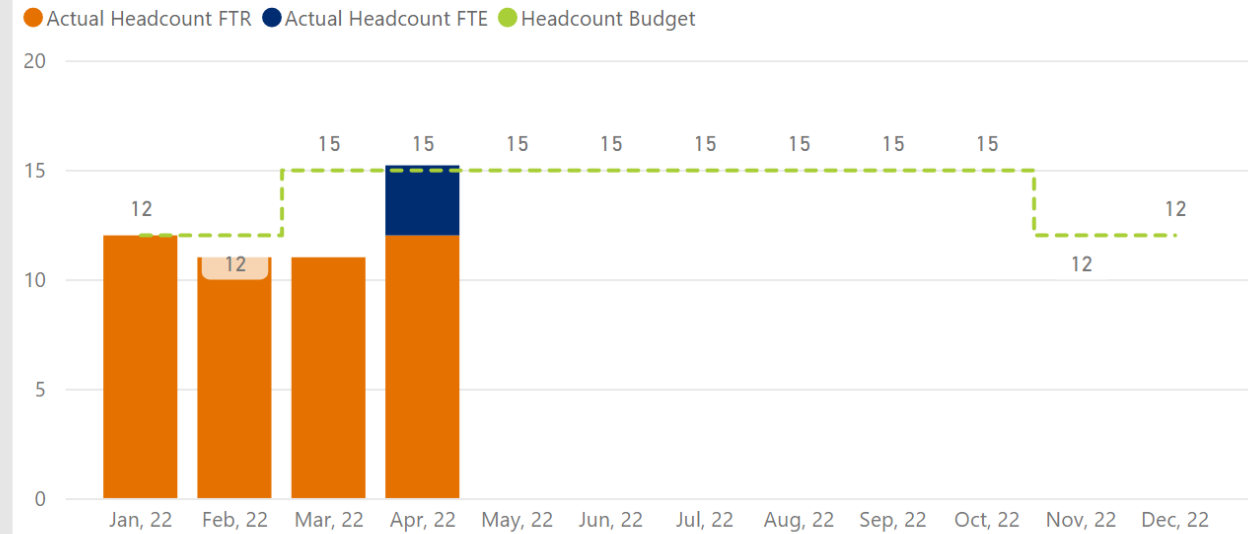
Hours and CAP Hours Vs. Budgets



Hours by Initiative



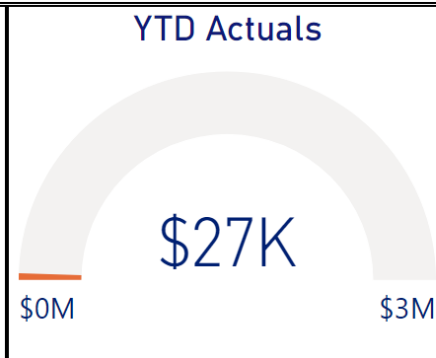
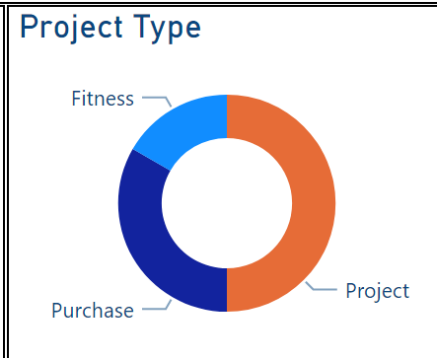
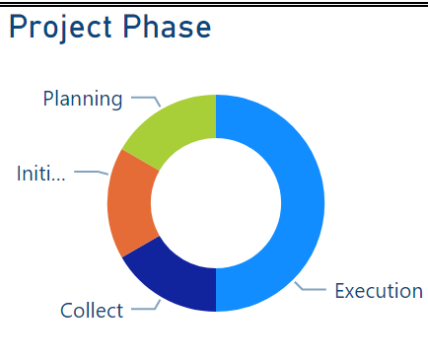
Headcount and Budget by Month & Year



Capital Budget Versus Actuals

EB42 - F&W MBR Year-to-Date April, 2022

Initiative ID	Name	CY Scope		CY Schedule		CY Price		CY Variance		TP Scope		TP Schedule		TP Price		TP Variance	
IN196	Carlton Accl Facility Wells.xlsm	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$89,845	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$89,845
IN294	Wells Hatchery Modernization.xlsm	<div></div>	\$0	<div></div>	(\$70,459)	<div></div>	\$0	<div></div>	(\$70,459)	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$7,121
IN364	Methow Hatchery ILA.xlsm	<div></div>	\$7,121	<div></div>	\$0	<div></div>	\$0	<div></div>	\$7,121	<div></div>	\$7,121	<div></div>	\$0	<div></div>	\$0	<div></div>	\$7,121
IN375	Eastbank Hatchery ILA.xlsm	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0
IN416	PR Hatchery Rehabilitation.xlsm	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$0	<div></div>	\$235,000	<div></div>	\$0	<div></div>	\$0	<div></div>	\$235,000
IN417	PR Hatchery Siphon Intake Renovation.xlsm	<div></div>	\$0	<div></div>	\$36,250	<div></div>	\$108,750	<div></div>	\$145,000	<div></div>	\$0	<div></div>	\$1,125,000	<div></div>	\$3,375,000	<div></div>	\$4,500,000
Total			\$7,121		(\$34,209)		\$108,750		\$171,507		\$242,121		\$1,125,000		\$3,375,000		\$4,839,087



Capital Project Overview

- ✓ Carlton Acclimation Facility
 - Domestic and Production Well
- ✓ PR Siphon Intake – Currently Forecasting \$145K for YR 2022, \$355K (2023), \$1.5M in 2024 and \$2.5M in 2025.
- ✓ PR Hatchery Rehabilitation – Currently Forecasting \$88 for 2022.
- ✓ Eastbank Hatchery (Chelan PUD – Interlocal Agreement)
 - Facility Upgrades (reuse and pump buildings replacement)
 - Safety fixes (Tumwater).

Initiative ID	Link	Name	CY Approved Spend	CY Actuals	BOY Fx	CY YEP
IN196	🔗	Carlton Accl Facility Wells.xlsm	\$1,888,748	\$26,793	\$1,951,800	\$1,978,593
IN294	🔗	Wells Hatchery Modernization.xlsm	\$77,580	\$0	\$7,121	\$7,121
IN364	🔗	Methow Hatchery ILA.xlsm	\$0	\$0	\$7,121	\$7,121
IN375	🔗	Eastbank Hatchery ILA.xlsm	\$654,342	\$0	\$654,342	\$654,342
IN416	🔗	PR Hatchery Rehabilitation.xlsm	\$80,000	\$0	\$80,000	\$80,000
IN417	🔗	PR Hatchery Siphon Intake Renovation.xlsm	\$0	\$0	\$145,000	\$145,000
Total			\$2,700,670	\$26,793	\$2,845,384	\$2,872,177

Carlton Acclimation Facility

❖ Carlton Acclimation Intake Structure

Issue: Methow River migrating away from water intake structure. Issue typically occurs if a cold snap hits in late Feb/early March facility can be left with no to very little river water for fish acclimation.

✓ Alternatives Analysis Completed (2018-2019)

- Five different Options
- **Install additional Production & Domestic wells**

✓ Challenges

- Low number of bidders
- Bids greater than engineers' estimates (>15%)
- Substantial escalated costs in labor, materials and supplies
- Project Support

✓ Current Status

- Mandatory site visit requirement removed
- Bid Opening moved back to May 31, 2022 **(NO Bids Received)**
- Milestones removed to increase flexibility
- Securing necessary permits



Priest Rapids Hatchery Siphon Intake

- ✓ NOAA-Fisheries has specific screening criteria which the existing screen does not meet.
 - ❖ Water velocity perpendicular to the screen face.
 - ❖ Requirements for uniform flow distribution over screen surface.
 - ❖ Sweep & approach velocity guidelines.
 - ❖ Screen material must be corrosion resistant and have specific diameter openings based on screen design (diagonal or slotted).
- ✓ Concept replacement analysis completed in 2009 (\$1.2-1.8M).
- ✓ A 2017 Biological Opinion for PR Hatchery Program requires Grant PUD to fund the project by the end 2024. Although not specifically included in the permit, NOAA's expectation is that the project is completed by 2026.
- ✓ Updating cost estimate (~\$4.5M).
- ✓ Staff developing capital project management documentation for internal review and approval.



Hatchery Monitoring and Evaluation Comprehensive Analysis

- ❖ Development and implementation of monitoring and evaluation (M&E) programs are a required element.
- ❖ M&E activities are implemented on all of Grant PUD’s hatchery programs annually. Comprehensive M&E reviews occur every 10 years.
- ❖ Informs hatchery “recalculation” and necessary adaptive management adjustments (2023-2033).
- ❖ Final Chapter Presented to PRCC-Hatchery Committee on May 5, 2022. Final Comments due June 5, 2022.
- ❖ Recommendations for hatchery programs will come out of this review.



Report type	Frequency	Content	Function
Data	Annual	Cumulative description of data (raw and derived) and field methods. Basic statics reported.	Informs annual M&E implementation plans
Statistical	5 year	Presentation of statistical analyses and description of statistical methods. Addressed in the Program Review when the two would occur in the same year.	Informs 5 year M&E plan and provides in depth data analysis
Program Review	10 year	Integrates and interprets information from data and statistical reports and also includes integration from other programs and studies. Written in scientific manuscript format. Fulfills HCP “Program Review” requirements. Addresses Statistical Report requirements.	Informs recalculation and adaptive management. Determines if programs are meeting objectives.

Performance Standards

- ❖ *FERC shall require Grant PUD to make steady progress towards achieving a minimum 91% combined adult and juvenile salmonid survival performance standard at the Priest Rapids and Wanapum developments (i.e., each dam). The 91% standard includes a 93% Project-level (reservoir and dam) juvenile performance standard. NMFS recognizes that it is not currently possible to measure the 91% combined adult and juvenile survival standard. Grant PUD shall therefore continue to conduct dam and reservoir smolt survival studies, evaluating progress towards meeting a 93% juvenile Project passage survival.*
- ❖ **Members of the PRCC contend that BOTH an adult salmonid project-wide survival standard of 91% AND a 93% juvenile salmonid standard to achieve the No-Net-Impact requirement (NNI).**
- ❖ **GPUD contends and NOAA has agreed that the language requires an overall 91% combined adult and juvenile survival standard, which would then allow flexibility in achieving the NNI requirement. For example, if juvenile survival is <93%, performance can still be achieved when combining with an adult salmonid survival estimate and that combine value is equal to or greater than 91%.**

Upcoming Contracts

- ❖ **Nason Creek Acclimation Facility O&M**
 - 430-3835 expires 6/30/2022 (5/7/2014-6/30/2022).
 - Current NTE = \$1,603,684.53.
 - Current Contractor - WDFW

- ❖ **Wenatchee & Methow Hatchery Monitoring and Evaluation (Spring Chinook)**
 - 430-3797 expires 12/31/2022 (5/25/2014-12/31/2022).
 - Current NTE = \$3,779,548.80.
 - Current Contractor - WDFW

- ❖ **Methow Hatchery Monitoring and Evaluation (Summer Chinook)**
 - 430-3892 expires 12/31/2022 (7/22/2016-12/31/2022).
 - Current NTE = \$965,105.00.
 - Current Contractor – BioAnalysts

- ❖ **Carlton Acclimation Facility (Production & Domestic Well)**



2022+ Business Unit Activities

- ❖ Hatchery Recalculation.
- ❖ Sockeye Statement of Agreement.
- ❖ Explore opportunities to evaluate summer subyearling Chinook behavior and survival within PRP.
- ❖ Asset Management - Complete Preventative Maintenance Plans for Hatchery facilities.
- ❖ Maintain balance between meeting compliance, stewardship and budget requirements.
- ❖ Develop and Maintain external stakeholder relationships.
- ❖ Succession Planning and Employee Retention.





Powering our way of life.

The background of the slide is a light tan color with a pattern of small, light-colored dots. Overlaid on this is a collection of indigenous rock art drawings in a dark brown color. These drawings include various stylized human figures, some with multiple eyes or heads, animals like deer and birds, and abstract symbols. A semi-transparent dark brown horizontal band is positioned across the middle of the slide, containing the main title and meeting information.

Grant PUD Cultural Resources 2022 Q1 Business Report

**Grant PUD Commission Meeting
– June 14, 2022**

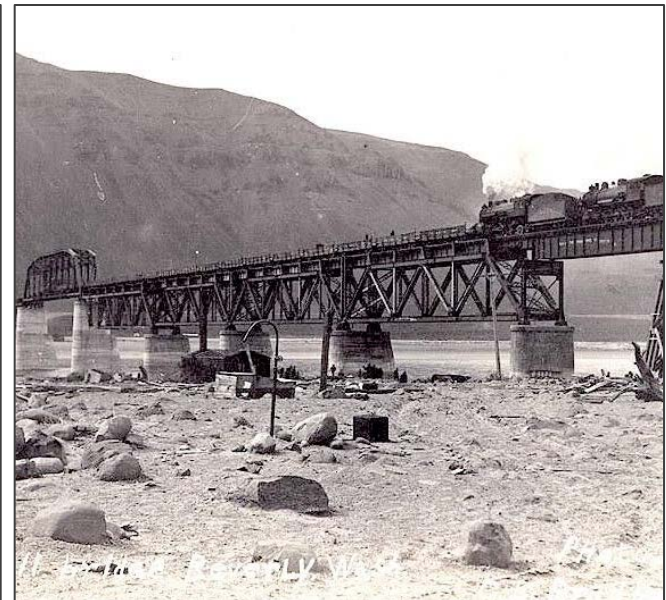
Department Purpose and Goal

- The Cultural Resources Department is tasked with ensuring compliance with FERC regulatory requirements related to cultural resources. These include historic and prehistoric sites and Traditional Cultural Places important to the Wanapum, Yakama and CCT people. A secondary goal is to help foster the relationship between the District and the Wanapum, all in alignment with Grant PUD's safety, financial, and compliance goals.



Q1 Business Review

- **Regulatory Compliance**
 - Compliance Violations = 0
 - NCRRP Reviews = 14
 - FERC orders/notices = 0
 - Summary/Listing of filings=0
- **Safety Metrics**
 - Incidents = 0
 - Close calls = 0
 - JSRs = 31
 - Safety meeting attendance = 92%



Q1/2 Business Activities

Compliance: Archaeology/River Patrol

- Final 2021 Cultural Resources monitoring compliance reports were accepted and approved by FERC and Cultural Resources Working Group.
- Army YTC erosion control in Priest pool is in permitting process. No start date is scheduled yet.
- 2022 annual archaeological monitoring program started May 23. 215 sites will be visited according to our schedule.



Q1/2 Business forecast

- **Compliance: Traditional Program**

- Archaeological, Historical and Traditional resources are treated equally under 36CFR800.
- Active Wanapum TCP projects include:
 1. Right bank project
 2. QTEP project discussion related to TCPs is ongoing
 3. Wanapum participating in annual TCP monitoring at Hanford site



Q1/2 Business Activities

Traditional Program: Wanapum Heritage Center

Collections access and utilization:

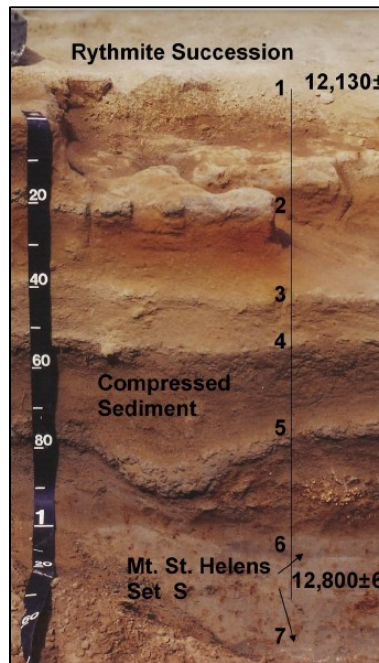
- Wanapum Heritage Center is open and visitor counts are increasing.
- “River of Memory” exhibit opened June 3. This is on loan from the Wenatchee Museum and is a collection of 129 pre-dam photos of the Columbia River.
- White Bluffs Mastadon temporary exhibit
- Major Efforts to meet ongoing goals
 - Wanapum are working with the Wapluke school district to increase understanding of Wanapum people in the classroom.
 - Wanapum canoes rehabilitation is underway. Canoes will be in the river over the course of the summer months.



Q1/2 Business Review

Major Projects: Archaeology

- No new discoveries while monitoring Right Bank project.
- Encroachment on Wanapum pool has affected one of the archaeological sites we manage. River patrol will work to remove a rock feature, Lands group is working with the adjacent landowner.





Budget Versus Actuals

EB6 - PP Cultural Res QBR Year-to-Date April, 2022

Operating Unit

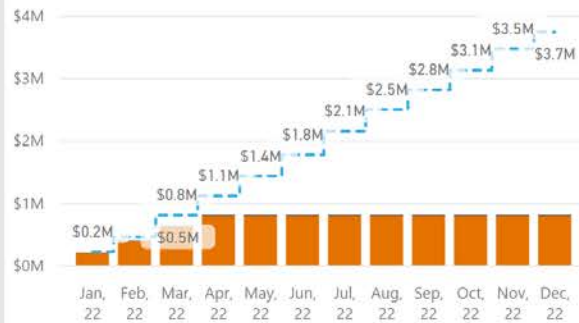
EB - Power Production

Department

EB6 - PP Cultural Res

Capital Labor & Net Actuals YTD Vs. Year-End-Projections

Net Actuals Capital Labor Budget YTD



Gross Actuals Vs. Budget

\$624.2K -22.4%



Capital Labor Actuals Vs. Budget

\$9,023 -65.3%



Net Actuals Vs. Budget

\$615.2K -20.9%



Budget vs Actuals (Including Cap Labor)

Cost Category Type/Cost Category	Budgeted	Actuals	Budget Var	Budget Var %	Consumed %
Labor	\$589,795	\$550,450	-\$39,345	-6.7%	93.3%
Salaries & Wages	\$411,558	\$342,277	-\$69,281	-16.8%	83.2%
Benefits	\$167,269	\$194,670	\$27,401	16.4%	116.4%
Overtime	\$6,142	\$2,785	-\$3,357	-54.7%	45.3%
Other Labor	\$4,826	\$10,717	\$5,891	122.1%	222.1%
Purchased Services	\$147,549	\$43,967	-\$103,582	-70.2%	29.8%
G&A	\$53,697	\$1,325	-\$52,372	-97.5%	2.5%
Operating Materials & Equipment	\$13,130	\$12,139	-\$991	-7.6%	92.4%
IT		\$16,286			
Transportation		\$46			
Total	\$804,171	\$624,213	-\$179,958	-22.4%	77.6%

- Capital Labor is a subset of the Labor above

- Net Actuals vs Budget = Gross Actuals minus Capital Labor



Employee Activity

EB6 - PP Cultural Res QBR Year-to-Date April, 2022

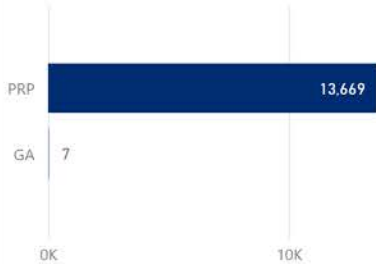
Operational Unit

EB - Power Production

Department

EB6 - PP Cultural Res

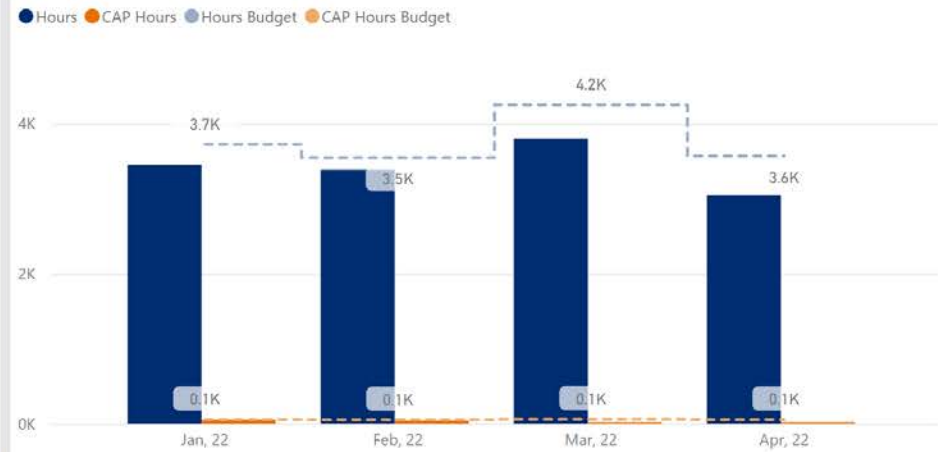
Hours by System



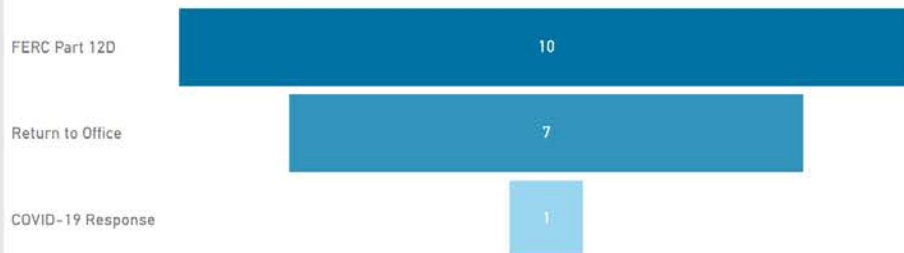
Hours by Program



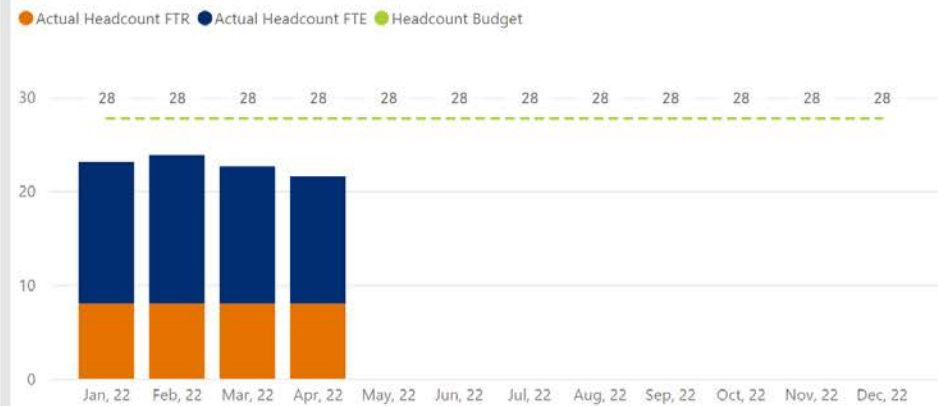
Hours and CAP Hours Vs. Budgets



Hours by Initiative



Headcount and Budget by Month & Year



2022 Q1/2 Forecast

Use of Allocated Resources



Staffing –

- Ruth Jim is working as Wanapum elder to support the Wanapum language program.
- Wanapum Safety, TCP and Archaeological monitors continue to actively work on the right bank project.

Services –

- Language Program contract
- RFQ for archaeological compliance will go out at the end of June. Seeking 3 on-call consultants to support our compliance program.

Q1/2 Business Review

Spotlight on Geology of the Priest Rapids Dam:

Why does the basalt look different there than it does in many other places?

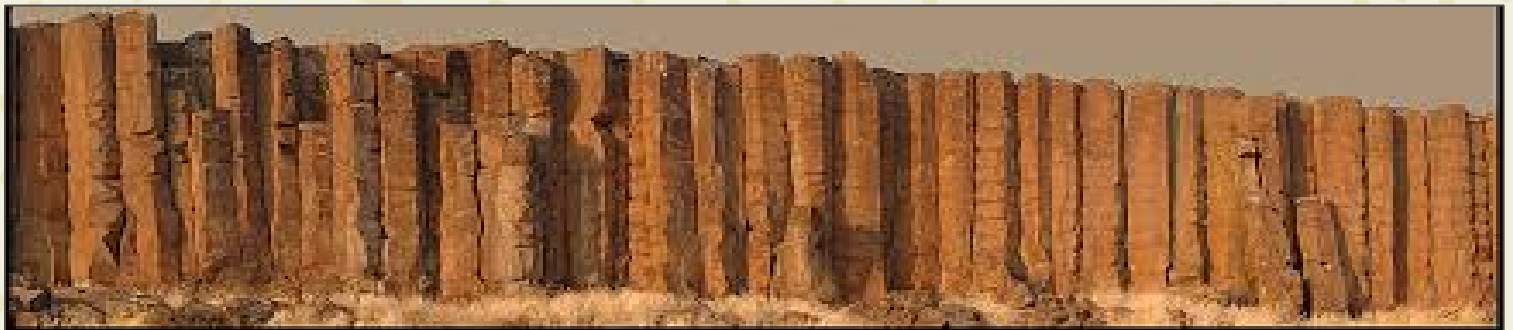


Basalt Facts:

More than 300 individual flows

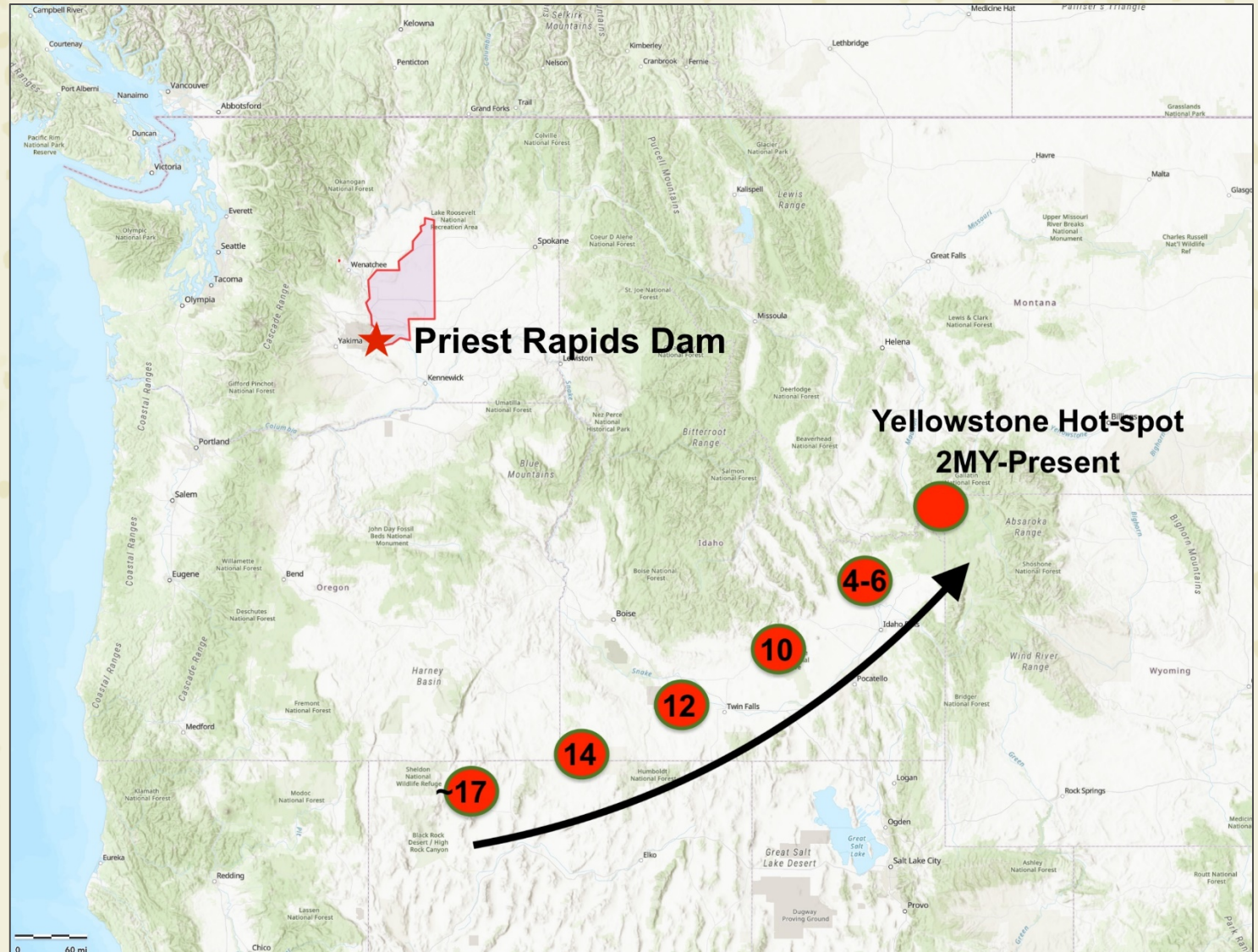
Lava flows began 17MYA and lasted until after 10 MYA

Thickness of flows at Priest Rapids Dam >4000 ft.



Q1/2 Business Review

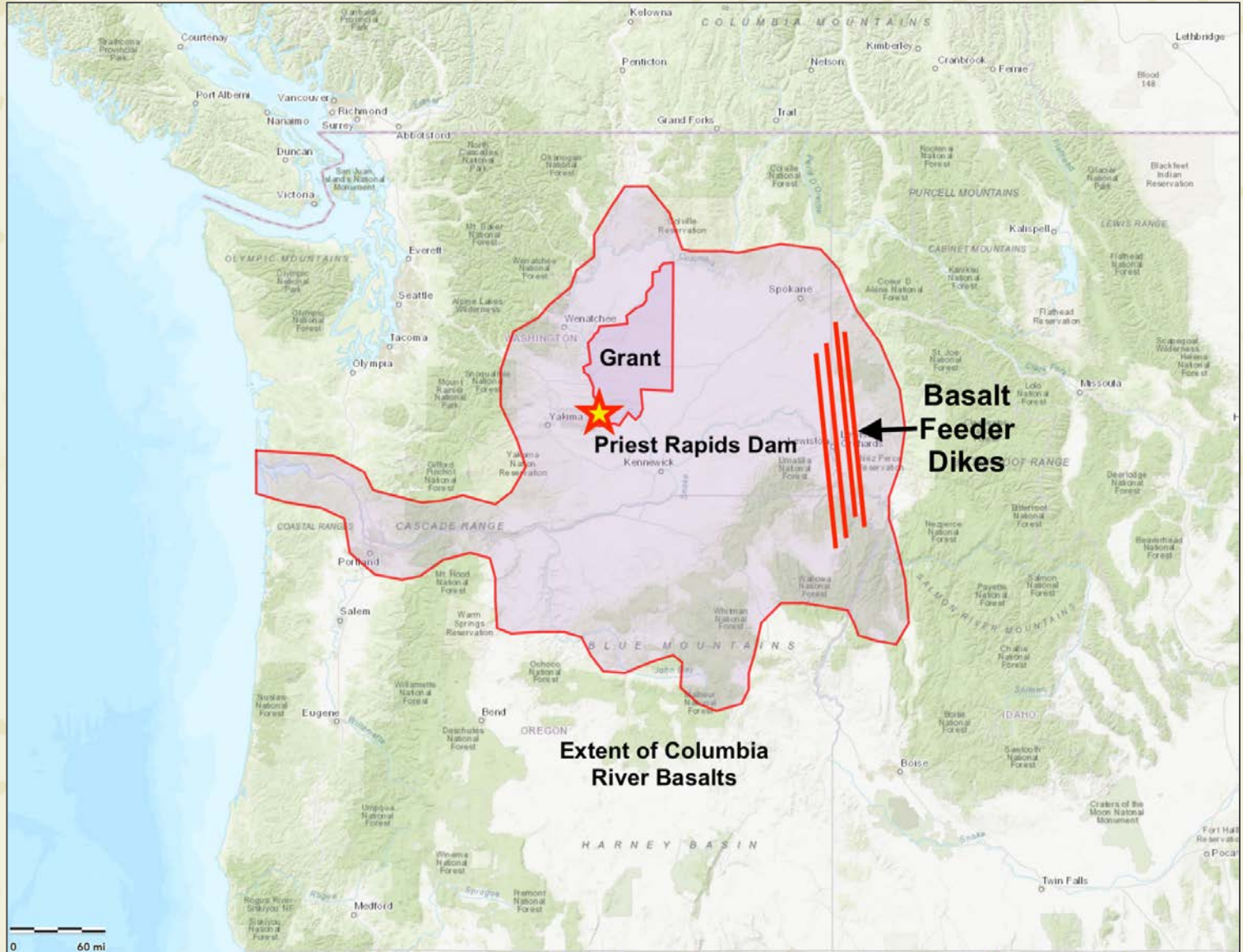
What does the Yellowstone hot-spot have to do with Columbia River basalt at Priest Rapids Dam?





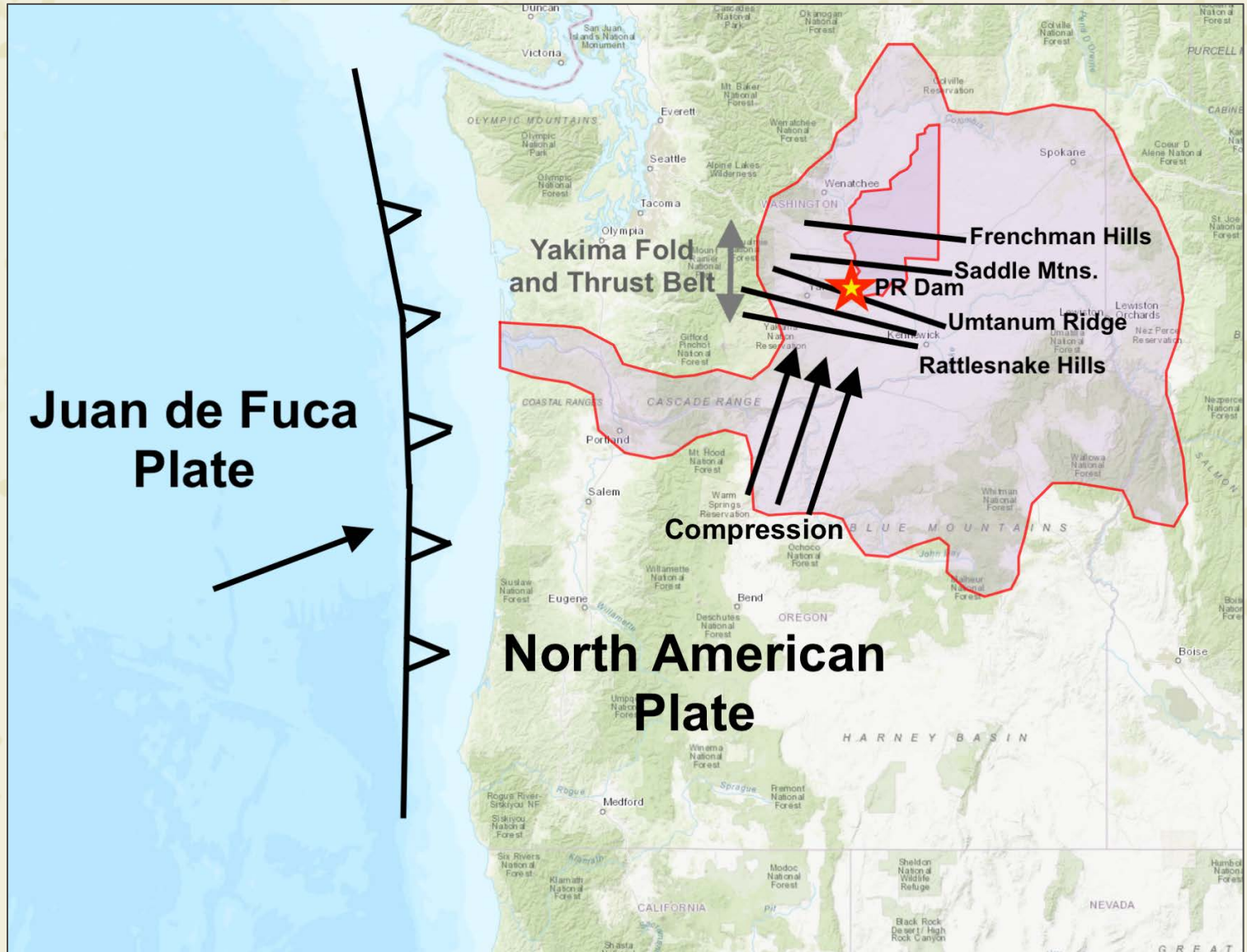
Q1/2 Business Review

Spotlight on Geology of the Priest Rapids Dam



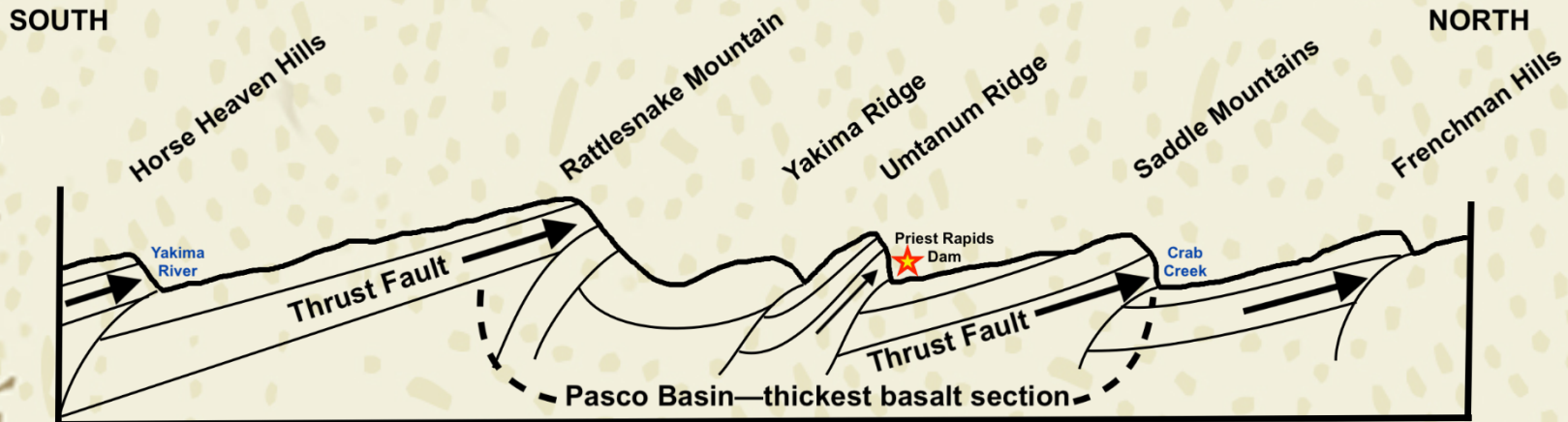
Q1/2 Business Review

Plate tectonics: Cause of basalt folding and faulting



Q1/2 Business Review

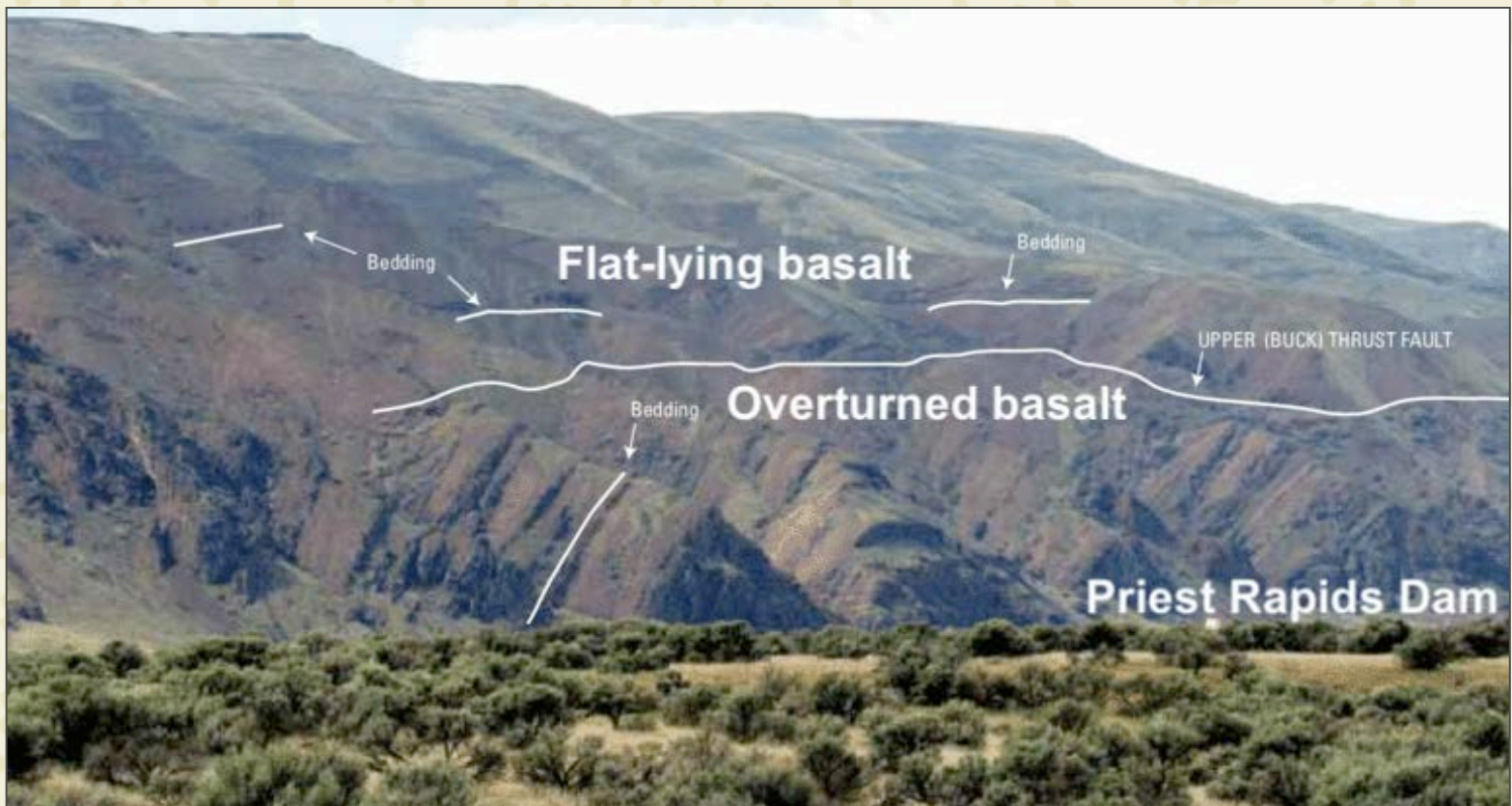
Spotlight on Geology of the Priest Rapids Dam



Q1/2 Business Review

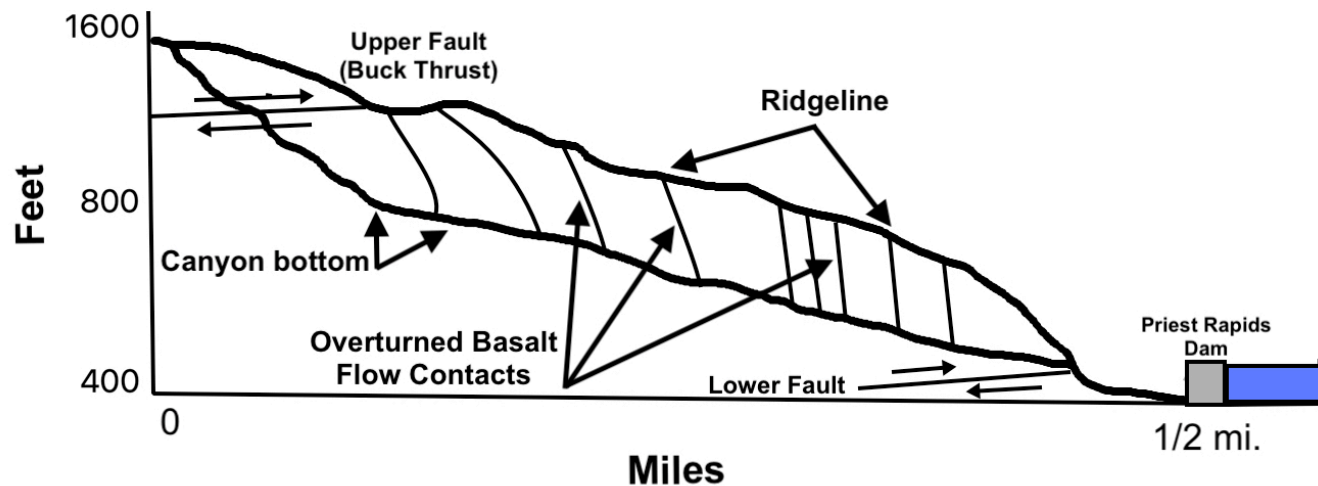
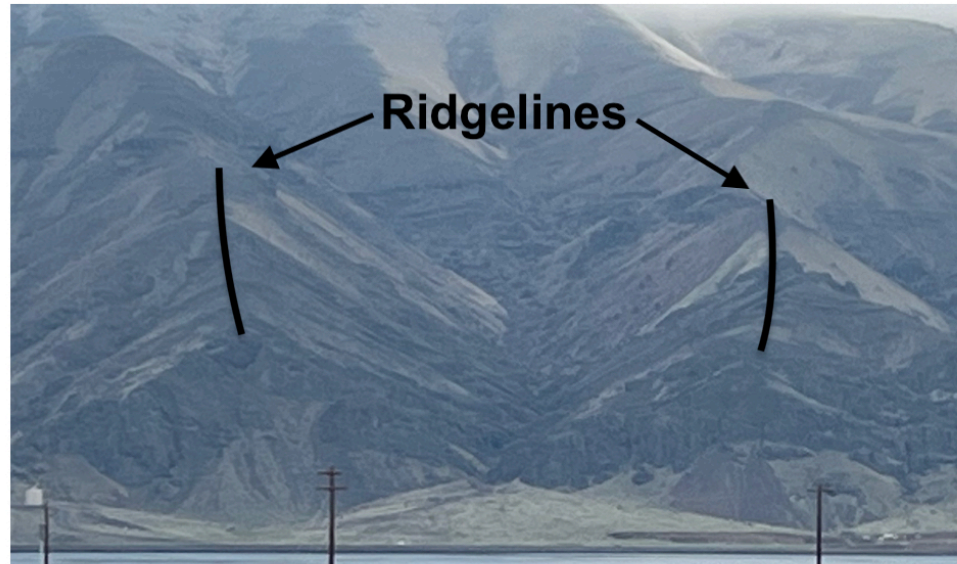
Spotlight: Geology of the Priest Rapids Dam

-Key differences in appearance at PR Dam are related to faulting and folding of the basalt flows.



Q1/2 Business Review

Spotlight on Geology of the Priest Rapids Dam



2022 Q1/2 Forecast

- Questions?

Community Engagement Activity Report

Commission Presentation
June 14, 2022

Chuck Allen, Sr. Mgr., Ext. Affairs & Communications

Annette Lovitt, Community Relations Coordinator, Public Affairs



Powering our way of life.

Agenda

- Rich Wallen Community Outreach
- Solar Car Races
- 2022 Community Events
- Grant County Fair
- Public Power Week
- FWEE
- Energy Education in the classroom
- Tours Resume
- Safety Marketing Messages
- Fiber Marketing Messages

External Affairs and Communications Structure & Personnel



01

Community Outreach

Back to the future

Rich Wallen Community Outreach

Rich is reaching into the community to introduce himself and give an update on Grant PUD.

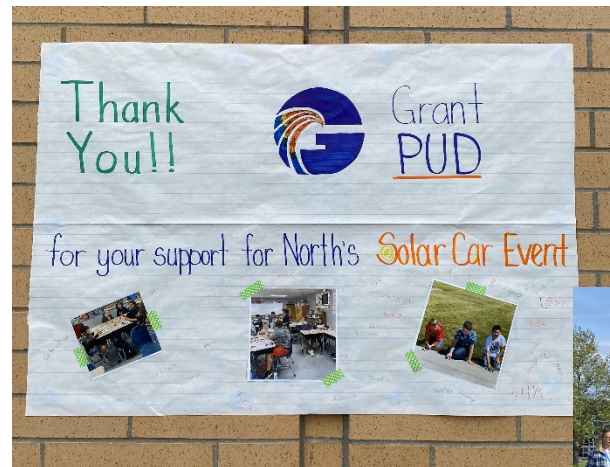
Thus far he has presented at Quincy Rotary and Moses Lake Rotary and is scheduled with the Grant County Industrial Alliance in August. We are working with additional groups to schedule him in the second half of the year.

The response has been great as people are getting to know him a bit better, ask questions and appreciate the information presented.



Solar Car Races

After a two-year hiatus, solar car races are back! County schools gathered at Big Bend Community College May 25th and 26th for the fun event. Public Affairs staff presented the water cycle that creates hydropower and the lineman were a hit with their “Shock and Awe” safety trailer!



2022 Community Event Schedule

Grand Coulee Colorama Rodeo, May 6th & 7th

Sage 'N Sun Parade, June 11th

Quincy's Better Block, Summer

George Washington 4th of July, July 4th

Mattawa Movie Night, July 22nd

Grant County Fair, August 16th through 20th

Farmer Consumer Awareness Days, September 10th

Ag Parade, Moses Lake, December 3rd

Miracle on Main Street, Ephrata, December 10th



Grant County Fair

This year the theme will focus on recreation, *another benefit of hydropower*. We look to educate county residents about our recreation offerings with emphasis on those “hidden gems” that are less frequented recreation sites.

Plus, we will provide information on water safety, electrical safety and of course hydropower!



Plans for Public Power Week



We are excited to celebrate Public Power Week 2022!

Look for partnering with other non-profits throughout our community for volunteering opportunities for Team Grant.

More to come.....

02

Educational outreach

Carrying the message of public power

FWEE STEM Academy

Grant County PUD Day
June 22 at Crescent Bar

FLY YOUR OWN DRONE • EXPERIENCE A SOLAR
CAR CHALLENGE • BUILD A HYDROELECTRIC MODEL

FWEE HYDROPOWER AND STEM CAREER ACADEMY

JUNE 20-24

ROCKY REACH DAM, WENATCHEE, WA.

LEARN FROM THE BEST IN THE INDUSTRY • DISCOVER
HYDRO INDUSTRY CAREERS • EARN COLLEGE CREDIT
APPLY NOW AT [FWEE.ORG/ACADEMY](https://fwee.org/academy)



Energy education in the classroom

In partnership with the North Central ESD, Grant County has served a total of **4,465** students this year in **269** kindergarten to 5th grade classrooms!



Tours Resume

Open for tours again:

- Hatcheries
- Visitor Center
- Wanapum Heritage Center

Planning for tours of
Wanapum Dam for
students in the 2022-
2023 school year



03

Marketing Messages

Emphasizing our mission

Safety messages

Always Remember Your Life Jacket

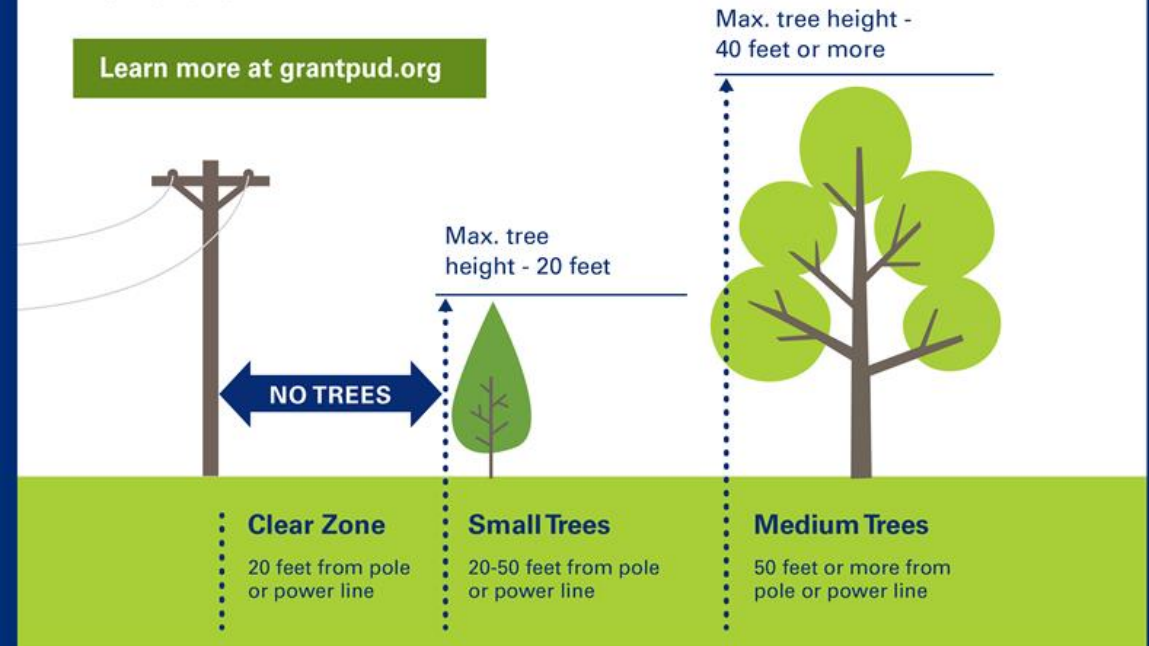
Stay safe by wearing your life jacket while enjoying the water. Wear a well-fitted life jacket when boating, rafting, paddle boarding, or using anything else that floats.

The image shows a shovel stuck in the ground, with the top half above the surface and the bottom half buried. The background is a blue sky with clouds. The 811 logo is in the top left, and the text 'Know what's below. 811 before you dig.' is in the middle. At the bottom, it says 'April is National Safe Digging Month' and 'Call811.com'.

Tree Planting Distances

Everyone loves trees but remember, when planted too close to power lines and electrical equipment, a small tree today can grow into a BIG problem tomorrow. You can help avoid future power outages and avoid potential safety concerns by following these safety tips when planting vegetation near any power equipment on your property.

Learn more at grantpud.org



Know What's Below

Before planting a new tree, be sure to Call Before You Dig to ensure your chosen site won't conflict with underground utilities. Just dial 811.

Fiber Marketing

This year we have really focused on the expansion plan, highlighting the 2022 build out areas and showing the remaining areas that we plan to have completed by 2024.

FIBER *Is Expanding*

Grant PUD's high-speed fiber optic network is expanding throughout Grant County. This year, crews are scheduled to complete construction on the next seven areas of the build-out sequence.

Visit grantpud.org/getfiber where you can search your address on our interactive map, view future expansion plans, connect with a service provider and more.

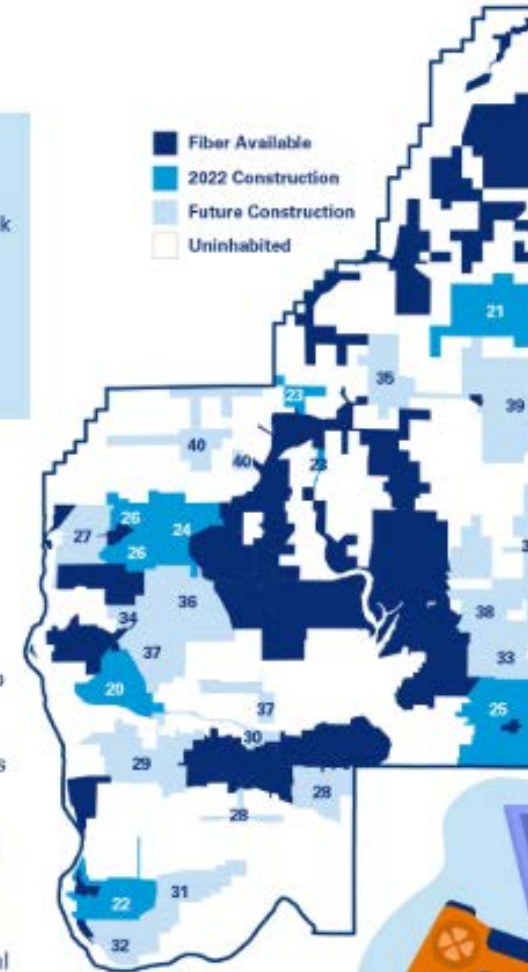
EXPANSION SEQUENCE

1-19 Completed or near completion

2022 AREAS

- 20 George Area Completion
- 21 Between Hartline and Wilson Creek
- 22 Mattawa Surrounding Area
- 23 Soap Lake: SE to fish hatchery and N to Lake Lenore
- 24 Winchester
- 25 Warden Area Completion
- 26 North, East and South of Quincy
- 27 NW and SW of Quincy
- 28 Rd A SE/Smyrna/Crab Creek
- 29 Jericho
- 30 Dodson to Frenchman
- 31 Wahluke Area East of Mattawa
- 32 Desert Aire to Rd O SW
- 33 I90 Rd U NE/SE
- 34 Hwy 281 N. of I90 to Rd 3
- 35 Stratford/Summer Falls/Billy Clapp
- 36 Adams Road NW to Winchester
- 37 Wasteway N. of I90 to Rd. 7
- 38 Braden to George and Black Sands
- 39 Ruff
- 40 Wilson Creek Area
- 41 Sagebrush Flats/Johnson Rd. NW

*The time frame for future expansion to new areas beyond those scheduled for 2022 will be based on the overall financial condition of the utility and the network. Exact timing TBD.



HERE'S HOW TO SIGN UP!

When fiber comes to your area, you'll have access to the fastest and most reliable internet service in Grant County. High-speed packages offered by independent service providers are faster than dial-up, DSL and cable. Visit grantpud.org/getfiber for a full list of service providers and get yourself connected.





Powering our way of life.