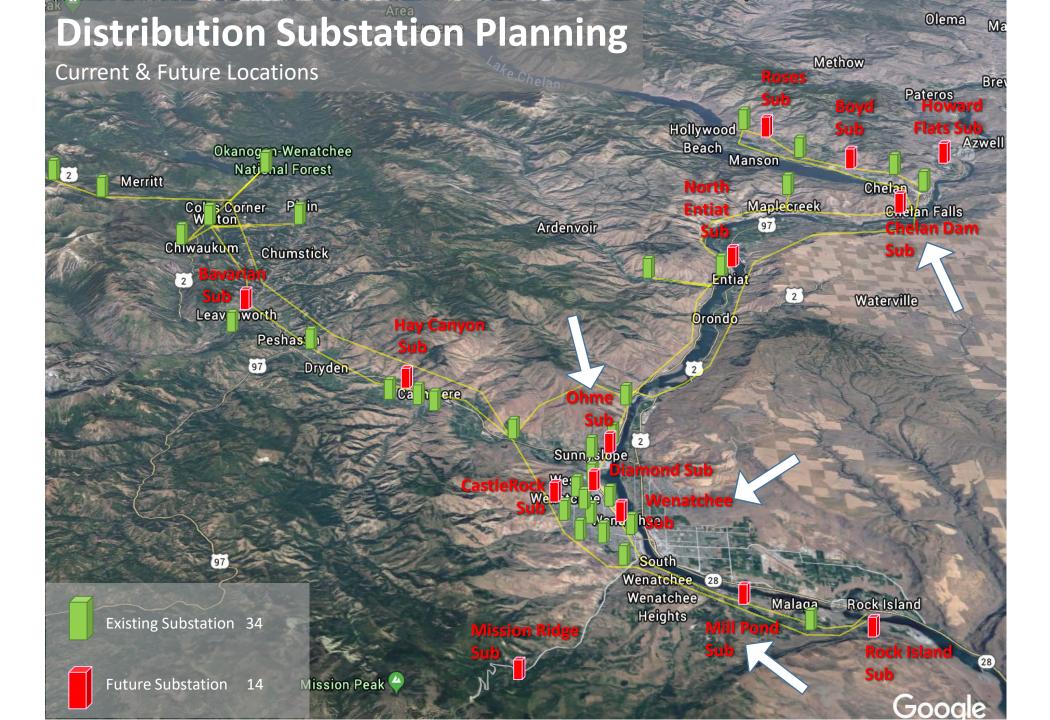
2019 Priority Substation Updates March 18, 2019 Chelan County PUD Chad Rissman & Andy Wendell

Objective Today

Provide update to Board on Staff activities relating to substation infrastructure planning & property acquisitions

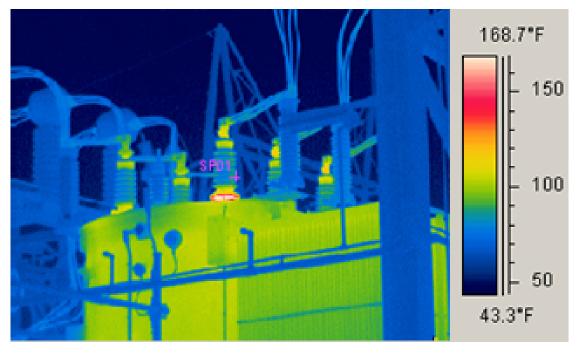
Early notification of future actions requiring Board approval





New Substation Standard Includes New Innovative Technologies

- Advanced (SCADA) System Controls & Data Acquisition
- Advanced metering system preparedness
- Advanced relay capabilities
- Wire-person cross functional skills training
- Advanced switching capabilities
- Fire & safety standards
- Environmental controls





New Substation Standard Arrangement

(2 Acres) 300Ft. X 300Ft.

- Meets current NESC & IEEE Standards
- Improved access for mobile substation
- Allows substation
 capacity to double from
 28MW to 56MW within
 same footprint
- Reduces need for future substation properties
- Improved reliability



Substation Status Update:

North Shore Lk. Chelan		
Leavenworth		
Ohme / Olds Station		
Entiat City North		
Wenatchee City Downtown	Property review	Pre-design
Chelan Dam South/Gorge	Seeking property	Feasibility
Mill Pond Malaga	Seeking property	Feasibility
Cashmere – West	Seeking property	Feasibility
Upper Squilchuck / Mission Ridge	Seeking property	Feasibility
Howard Flats / Chelan Airport	Seeking Property	Preliminary
Manson Dry Lake	Seeking Property	Preliminary
Rock Island Dam, Chelan Co.	Seeking Property	Preliminary



N. Shore Lake Chelan

- All easements & properties acquired
- 2019- General arrangement
- 2019- Landscape architectural options
- 2019- Community outreach
- 2020- Targeted construction



Leavenworth Substation

Chumstick Hwy

- All easements & properties acquired
- 2019- General arrangement
- 2019- Landscape architectural options
- 2019- Community outreach
- 2020- Targeted construction



Ohme Substation

Olds Station

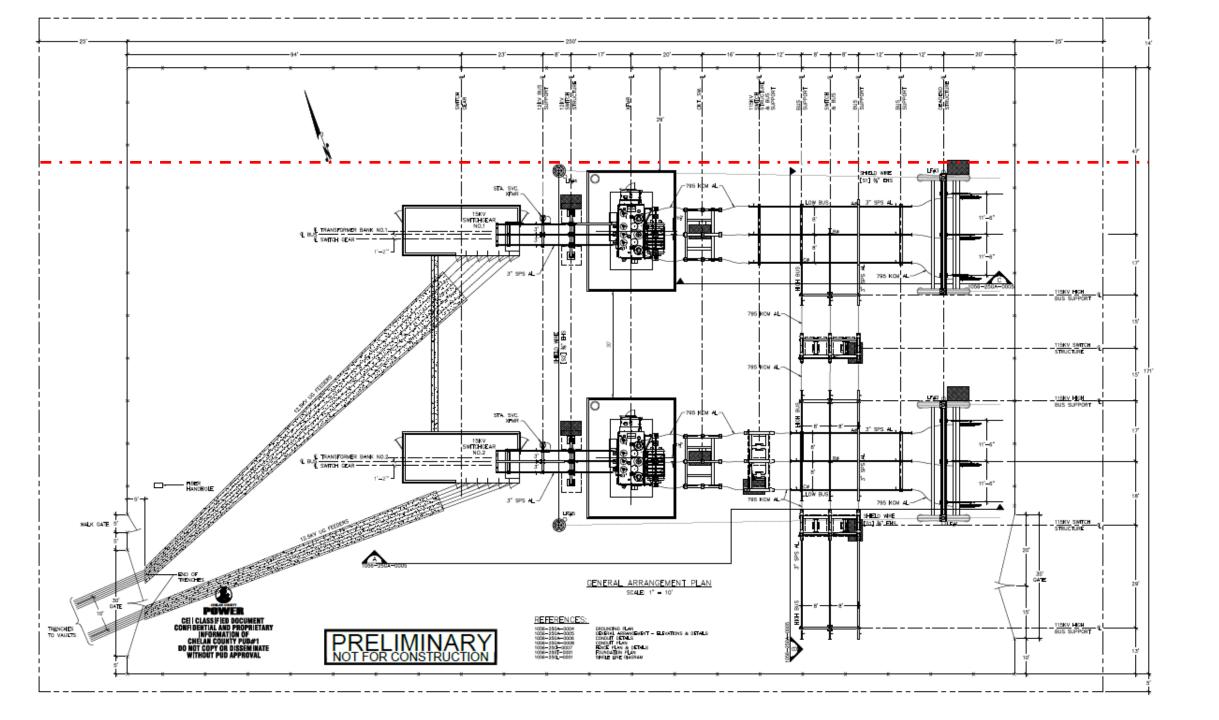
Current Status

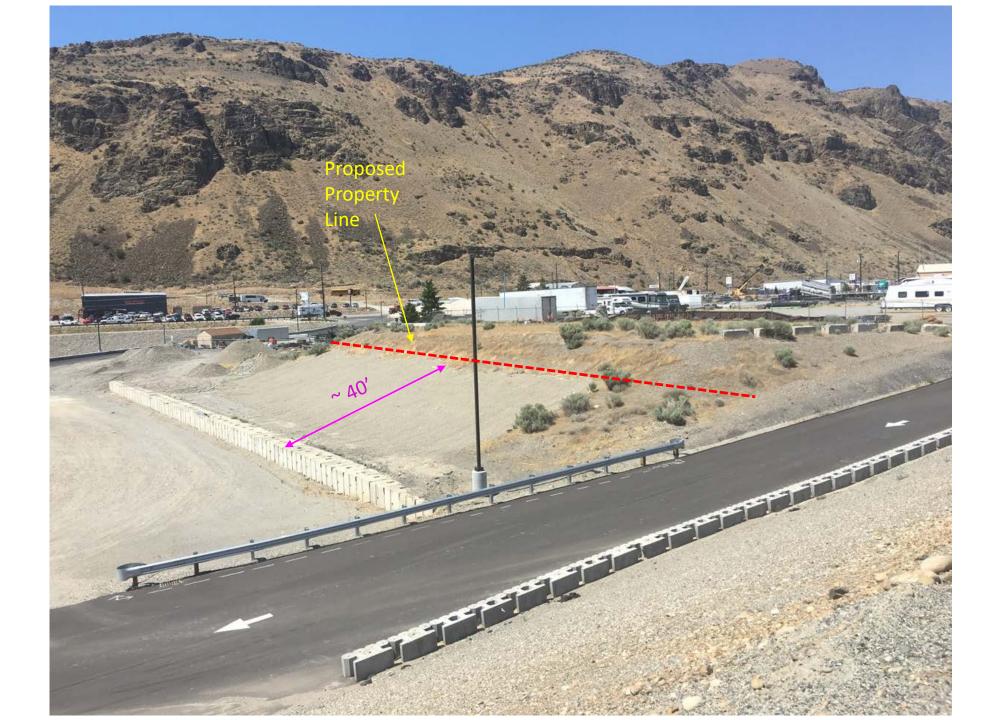
- Additional property needed
- 2019- General arrangement
- 2019- Targeted construction

Additional Work Pending

- Build 4 Ft. x 300 Ft. retain wall
- 1200 cu.Ft soils removal
- Grading
- Sum of work ~ \$300K











Chelan Dam Substation

- No site selected
- Electric system modeling
- 2019 Community outreach,March 13
- 2019 Site identification
- 2020 Design



Mill Pond Substation

- Feasibility completed
- Community outreach
 - Continuing property options & site selection process
- 2019 Property acquisition
- 2020 Design

Blue Star Growers

Cashmere

Property Transition

- Substation decommissioned
- Property reverts to City of Cashmere per purchase/sales contract - 2008.
- City of Cashmere is expected to transfer property to Blue Star
- Blue Star now served from Cashmere substation



Upcoming Actions

Ohme Substation

- Seeking additional property purchase agreement
- April 1st Resolution

Wenatchee Substation

Continuing feasibility

Mill Pond Malaga

Evaluating purchase options – March/April

Chelan Dam Substation

Report back to Board on outreach efforts & community feedback

Questions?