

Jim Burdick Engineering Leader Idaho Power

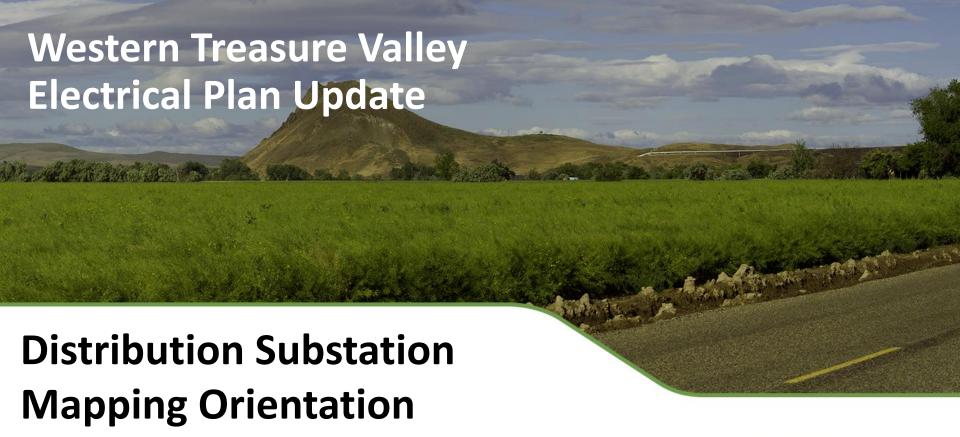






#### Meeting No. 3 Agenda

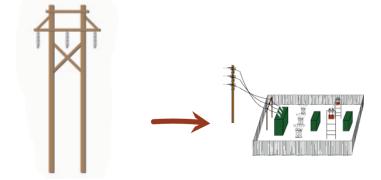
- 10:00 a.m. Welcome
- 10:05 a.m. Substation Connections & Reliability Criteria
- 10:50 a.m. Small Mapping Groups
- 12:00 p.m. Lunch
- 12:30 p.m. Small Mapping Groups
- 1:45 p.m. Small Group Reporting and Wrap up
- 2:00 p.m. Adjourn



Dakota Pfaff Technical Lead Engineer Idaho Power



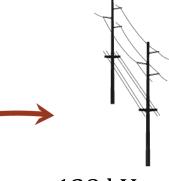
# **2022 WTVEP Update Buildout Requirements**



High Voltage Transmission

Minimum Two Lines Per Source Substation Source Substations

Four New Source Substations



138 kV Transmission



Distribution Substations

Nineteen New Distribution Substations

# **Mapping Orientation**

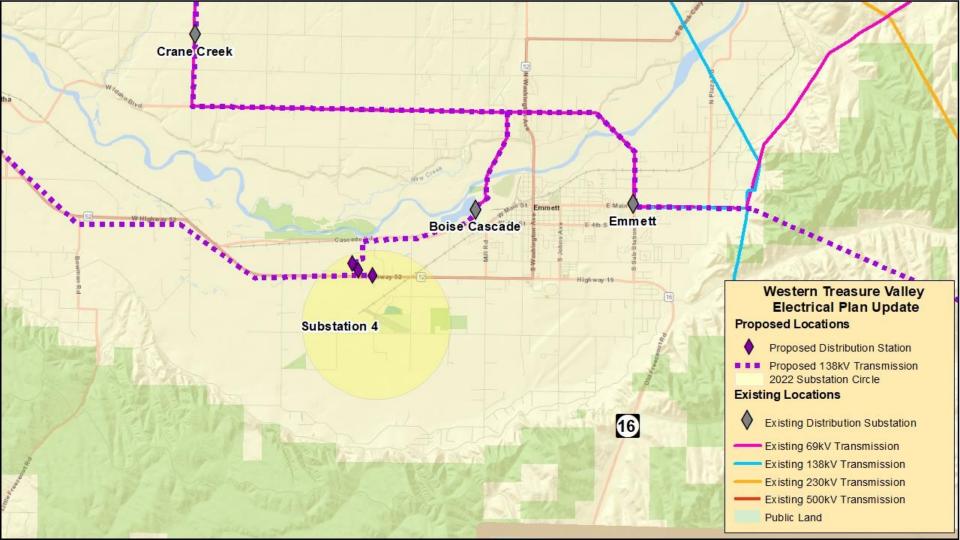
 See Appendix A in the WTVEP Update 2022 Meeting No. 2 Reference Guide

## **Committee Mapping Goal**

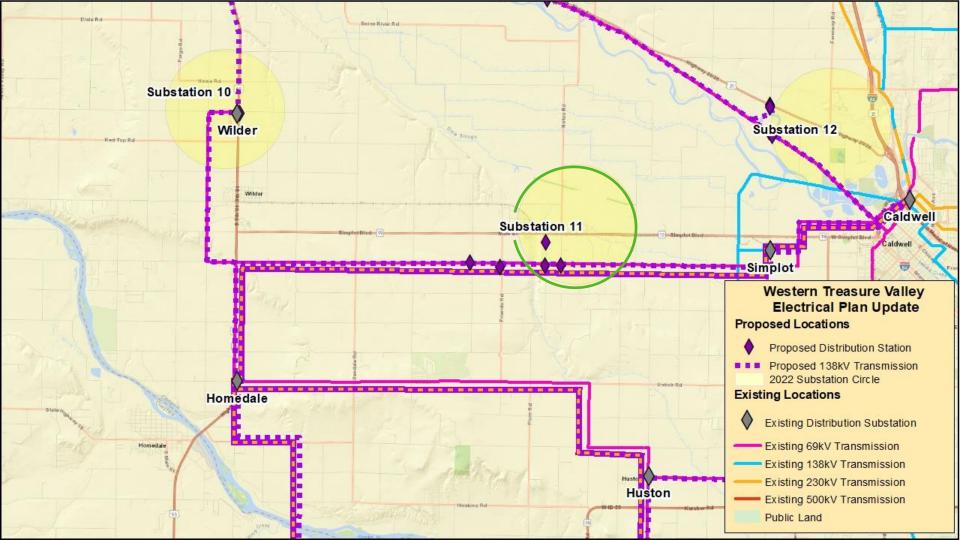
- Propose a single preferred site for each future source substation, distribution substation and connecting transmission lines
  - Identify alternative sites

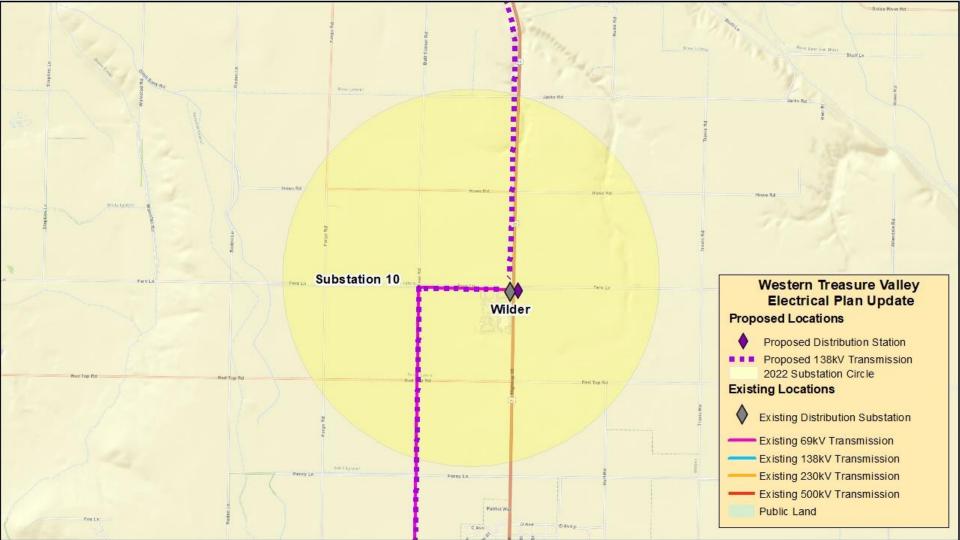
#### **Mapping Step 3**

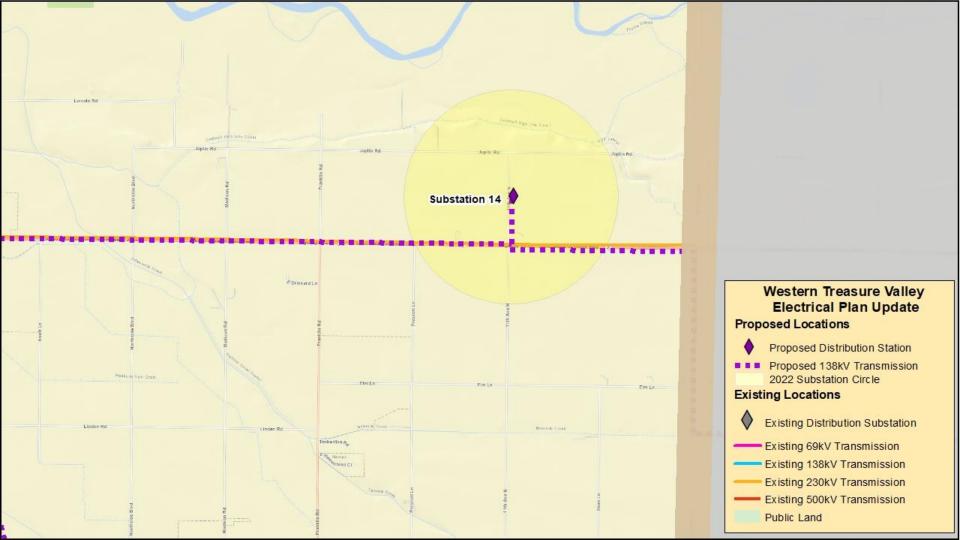
- Confirm or adjust 2011 WTVEP distribution substation sites.
  - Six substation locations to confirm or revise.

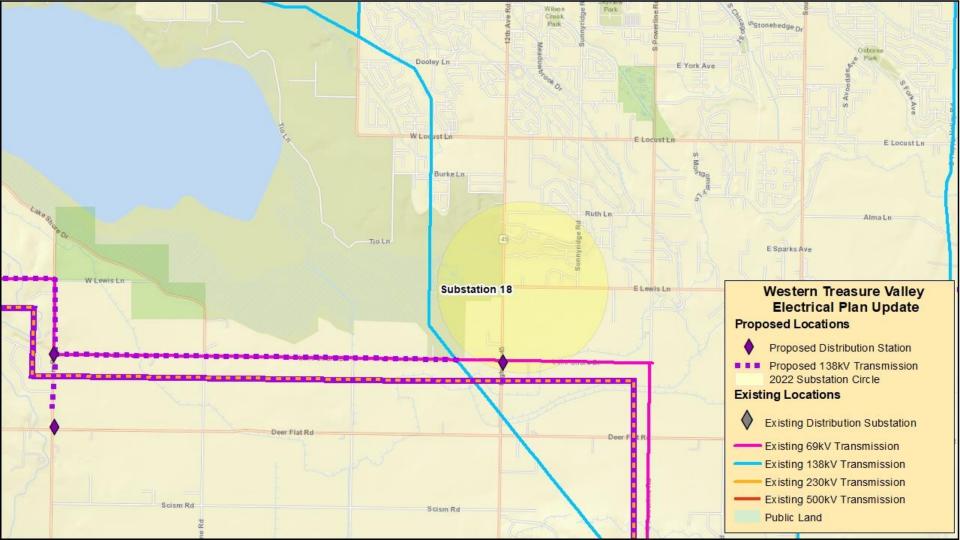






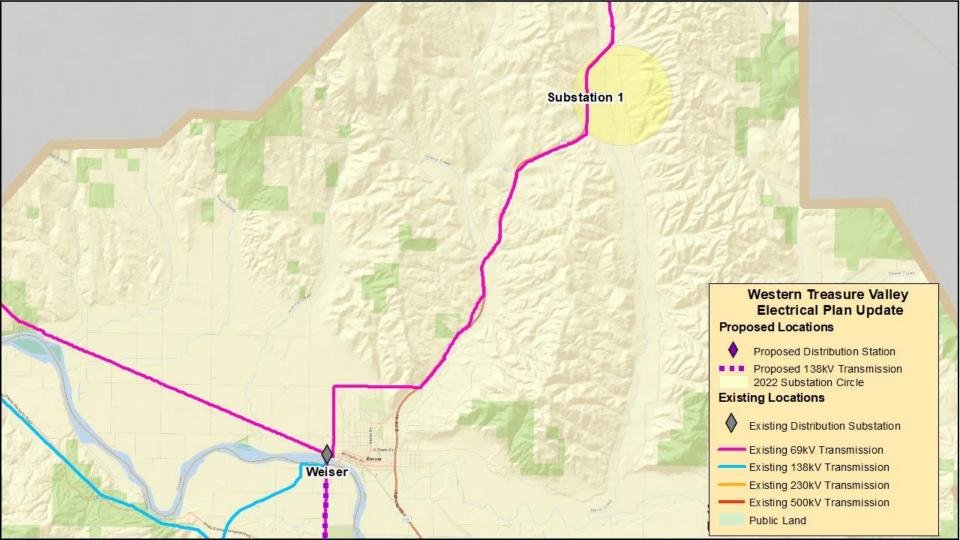


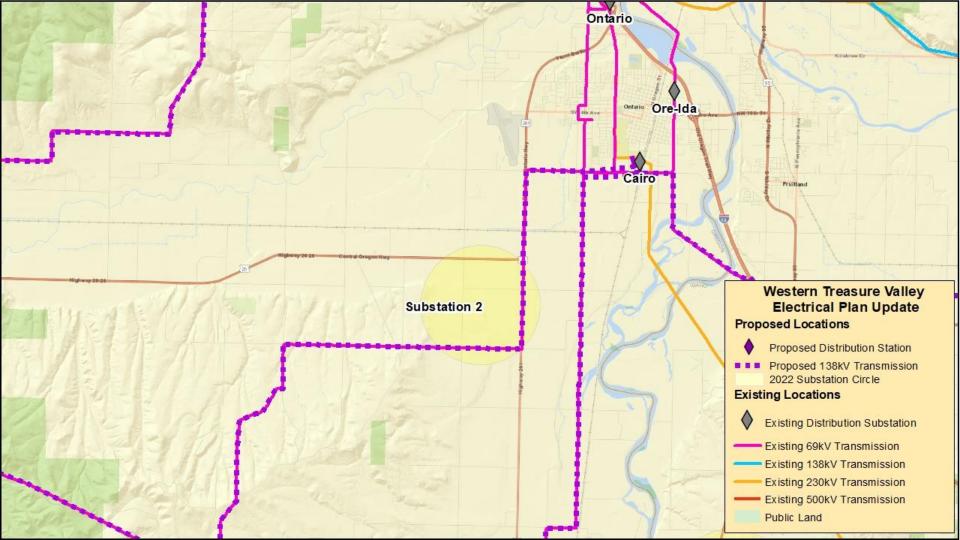


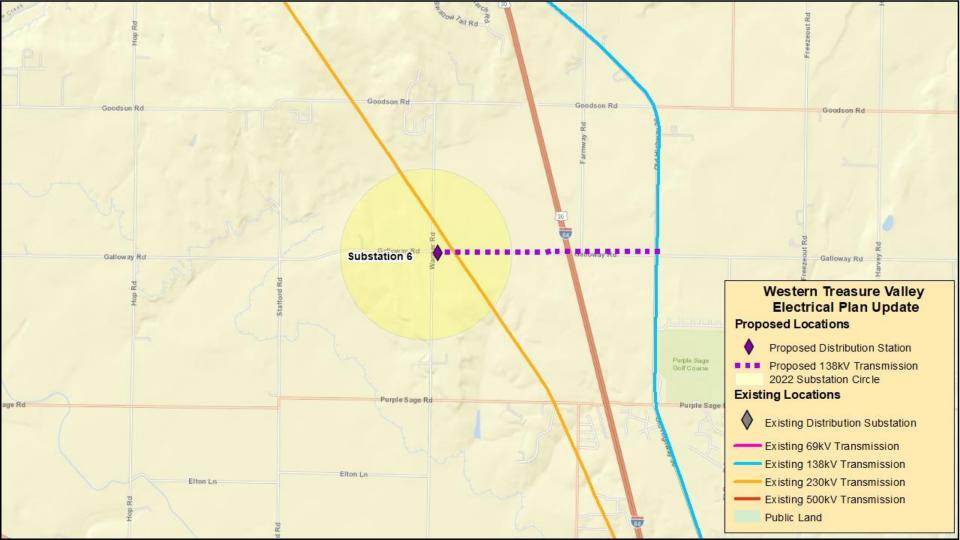


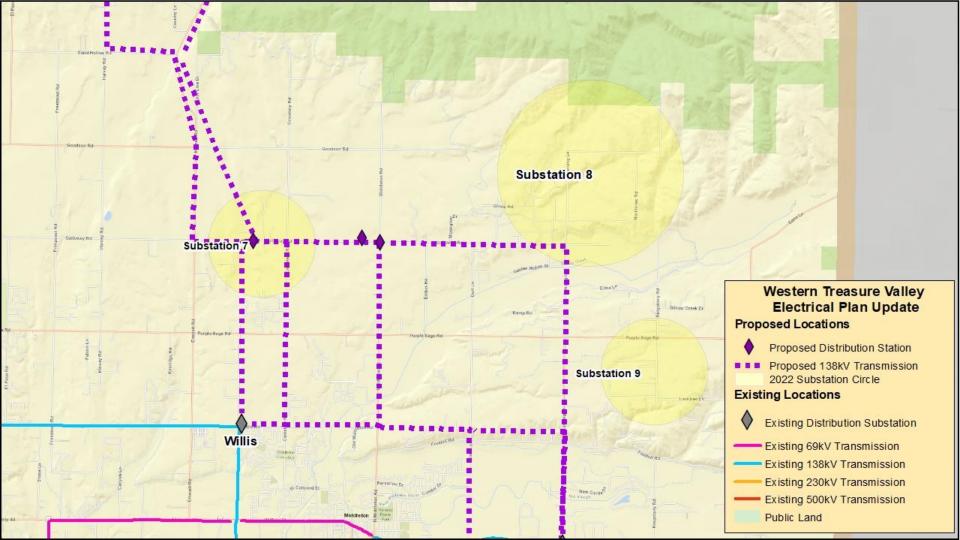
## **Mapping Step 4**

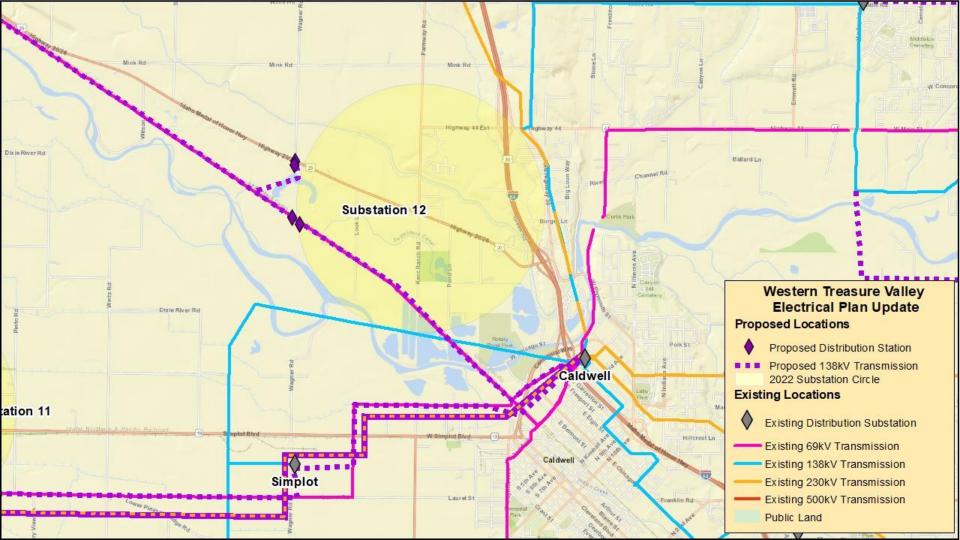
- Propose sites for new distribution substations
  - Thirteen substation circles to identify preferred locations.



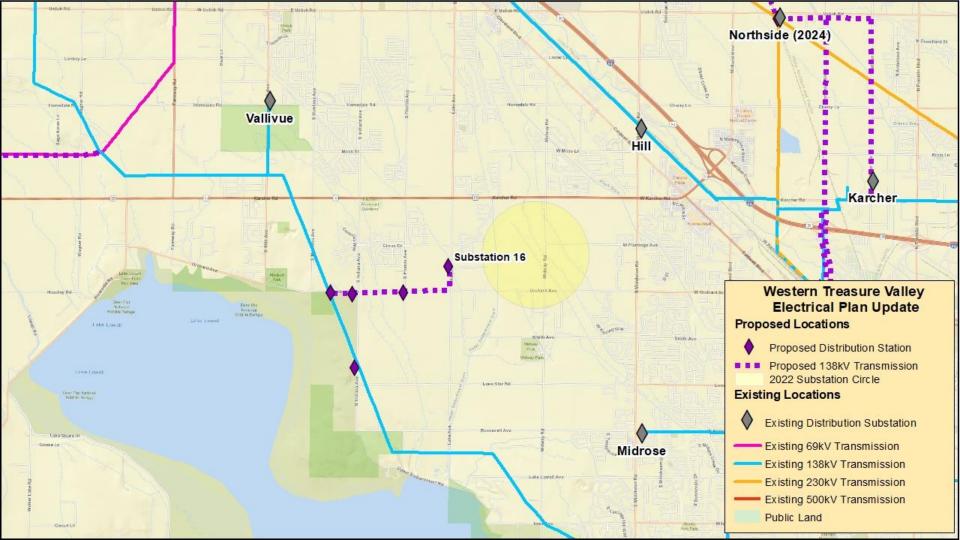


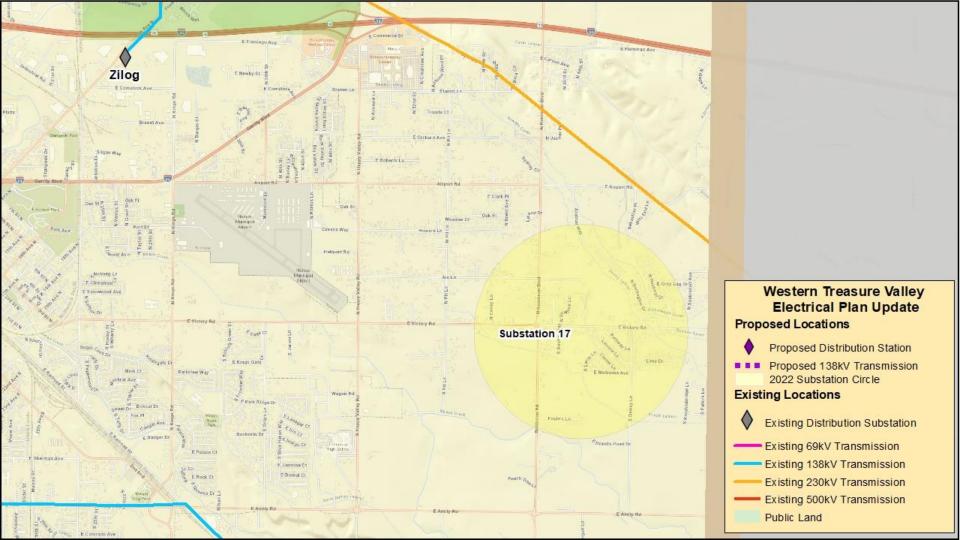


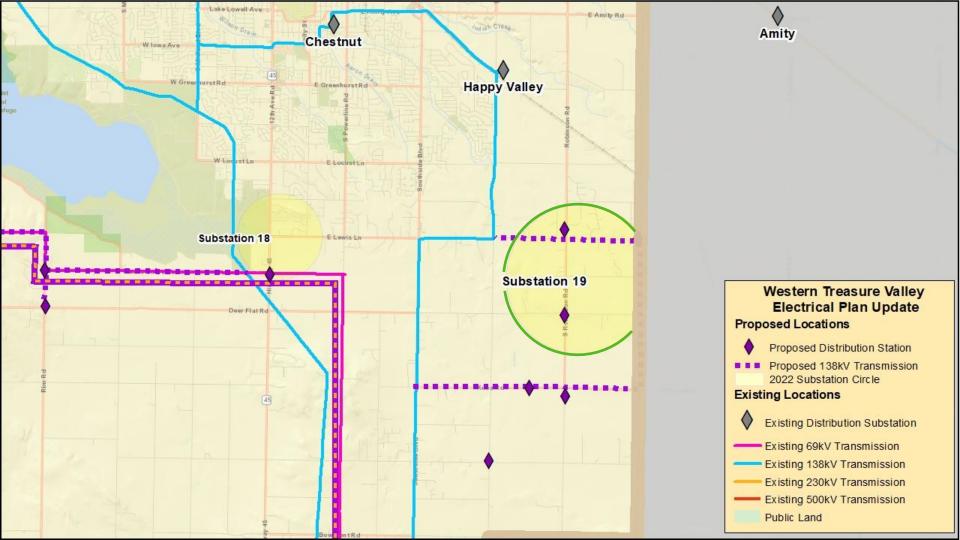












## **Mapping Step 5**

• Confirm or propose 138 kV transmission line routes connecting distribution substations to either a source substation or another distribution substation.



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