



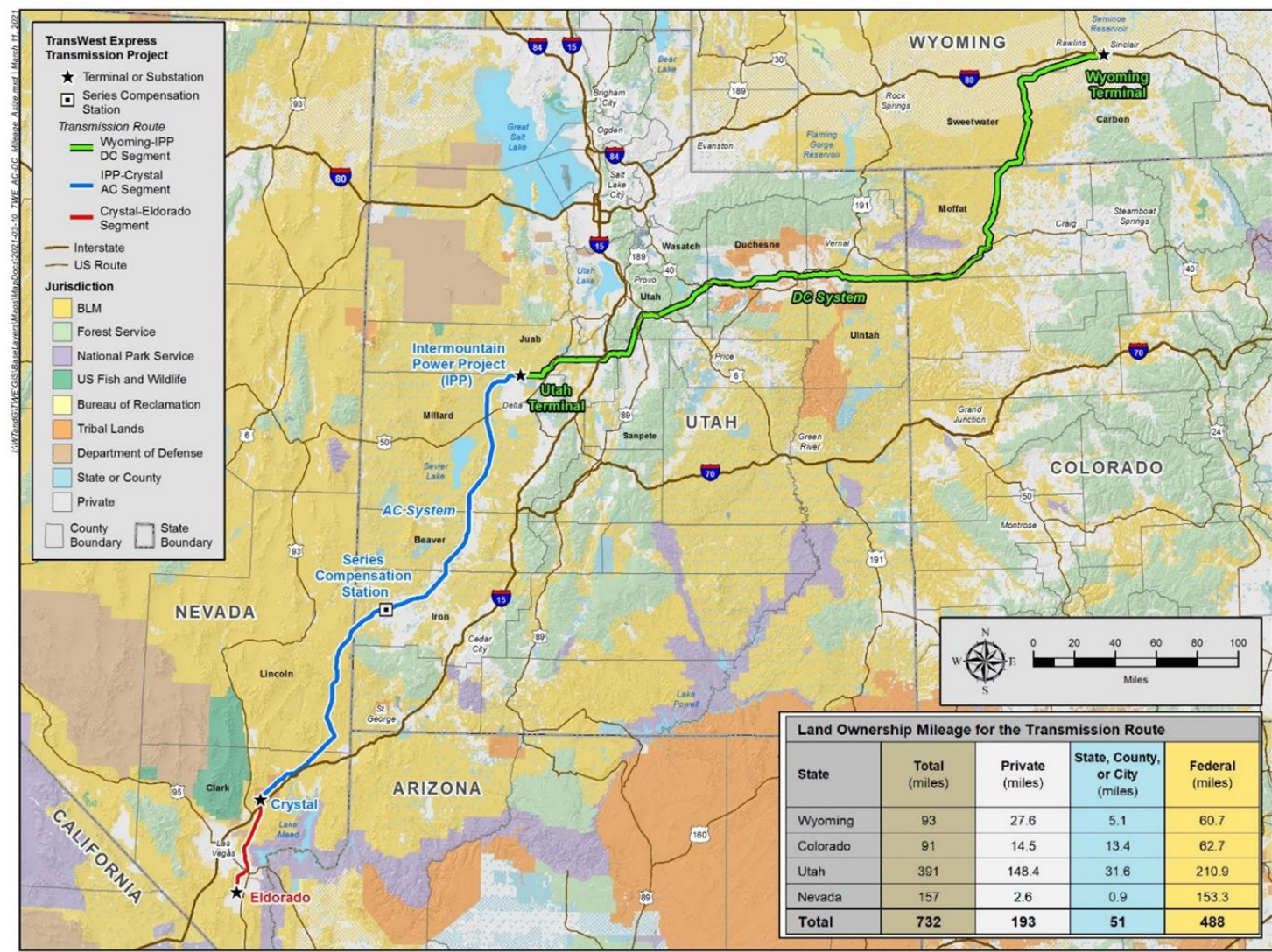
TransWest Express Transmission Project

Harvard Electricity Policy Group

Transmission Expansion: The Challenge of Major Changes

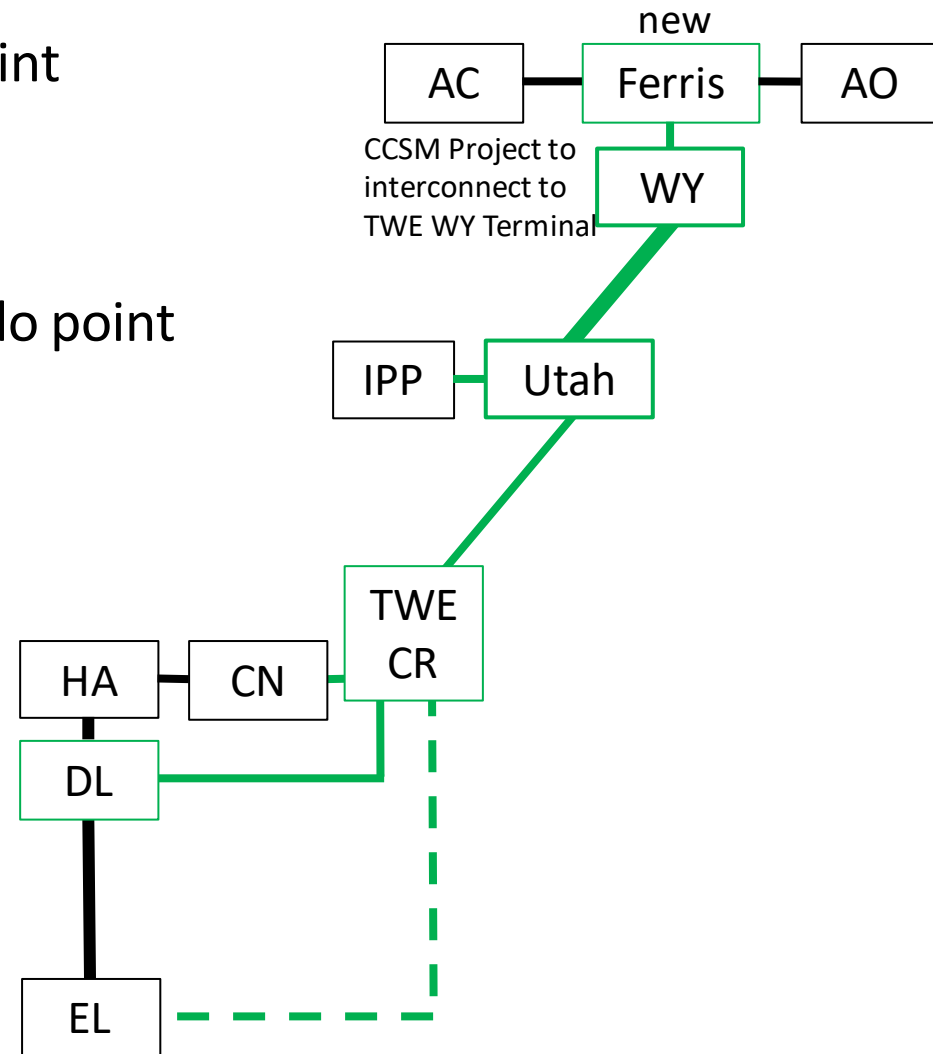
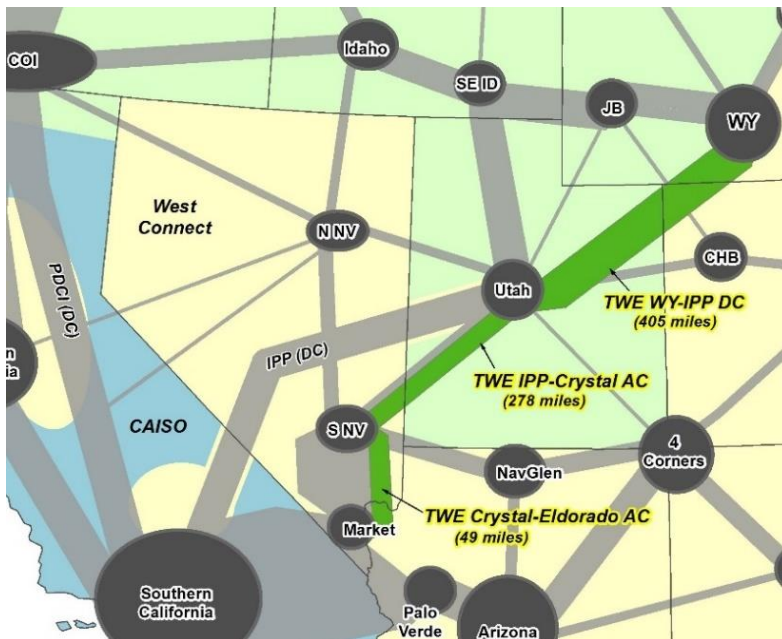
March 14, 2023

TransWest Express LLC: TransWest Express Transmission Project



TWE Project Interconnections

- DC segment, Wyoming to Utah point
- AC segment, Utah to Nevada
DesertLink/Crystal point
- Alternative AC segment to Eldorado point



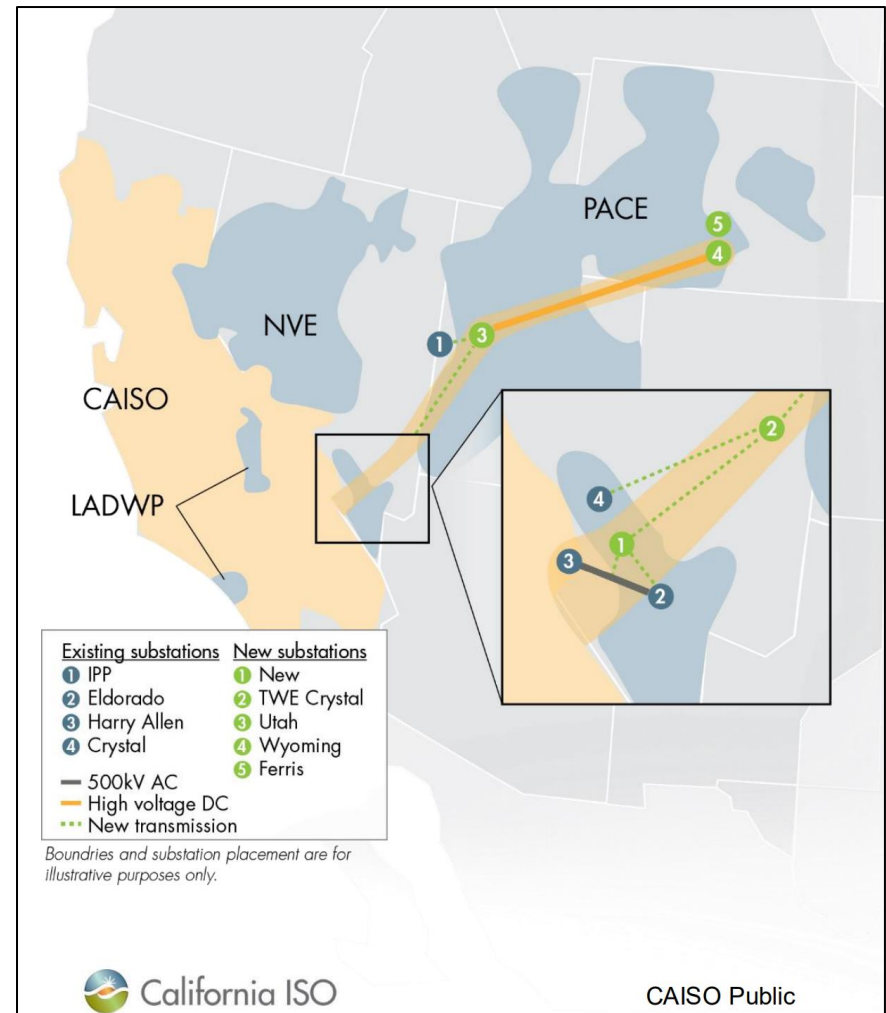
FERC – Allocation of the TWE Project Capacity

- **Feb. 26, 2021:** FERC approved Open Solicitation process for North-South capacity
- **Aug. 6, 2021:** Independent Solicitation Manager determined eligibility of applicants
- **Nov. 5, 2021:** TransWest and PCW negotiated agreements for 100% of North-South capacity
- **Dec. 3, 2021:** TransWest filed compliance report with FERC
- **Feb. 16, 2022:** FERC accepted TransWest's compliance filing
- **March 30, 2022:** TransWest and PCW executed agreements for the North-South capacity

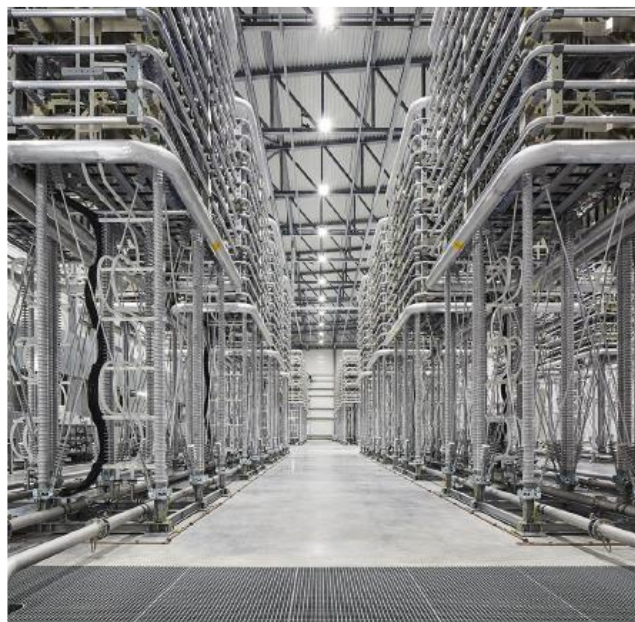


TWE Project Integration With California Independent System Operator

- Innovative Subscriber Participating Transmission Owner (SPTO) model
- CAISO will operate the TWE Project as part of its high-voltage transmission network
- Over \$3.5 billion in transmission assets added to CAISO's system
- No impact to the CAISO's transmission access charge



TWE Project: Siemens Preferred Supplier Agreement



TransWest Express selects its HVDC technology partner

North America | December 19, 2022



USA: TransWest Express LLC has selected Siemens Energy to supply the high-voltage direct current transmission technology for the TransWest Express Transmission Project.

The TWE Project is a 1,178-km (732-mi) HV interregional transmission system with HVDC and HVAC segments that will connect to the existing grid in Wyoming and Utah as well as directly to the ISO Controlled Grid in southern Nevada.

Under a Preferred Supplier Agreement signed in November, TransWest and Siemens Energy are partners on the final design, specifications and other technical elements of the HVDC converter stations to be located in Carbon County, Wyoming, and in Millard County, Utah. TransWest and Siemens Energy also are negotiating a definitive contract under which Siemens Energy will engineer, procure and construct the HVDC converter stations and ancillary equipment and systems.

“The TWE Project is important new transmission infrastructure that will accelerate the incorporation of renewables onto the US grid. It represents the first major use of HVDC technology in the USA to deliver onshore wind power and will significantly advance the nation’s net-zero goals,” said Tim Holt, member of the Executive Board of Siemens Energy. “We are pleased to collaborate for the successful delivery of the TWE Project and to showcase our leadership in VSC technology solutions.”

Source: Siemens Energy

Other Major TWE Project Activities

■ BLM Notice to Proceed - April 2023

- Resource Surveys and Reports complete
- Cultural Resource Reports complete
- Final Alignment complete
- Final BLM review of POD underway

■ Engineering – Pre-construction Activities

- Geotechnical Surveys
- Lattice Tower Design and Testing



■ EPC Contracting for Line and Substations

- Qualified four Contractor teams
- Issued formal RFP December 14
- Proposals due March 14, 2023

■ Department of Energy Loan Program

- Federal Financing or Loan Guarantee with private financing
- Part I of Application process complete
- Invited to move to Part II
- Submitted Part II Draft Application

