

WHAT ARE THE PROJECT FEATURES?

Western Area Power Administration (Western) and the San Luis & Delta-Mendota Water Authority will evaluate a range of alternatives that include transmission lines, connection of various substations, additional project features and a no action/no project option.

Project features may include one or more of the following:

TRANSMISSION LINE VOLTAGE	APPROXIMATE TRANSMISSION LINE LENGTH (IN MILES)	SUBSTATION CONNECTIONS
230-kilovolt (kV)	62	Western's Tracy and San Luis Substations
70-kV	5	Western's San Luis and O'Neill Substations
500-kV (230-kV)*	62	Western's Tracy and San Luis Substations
500-kV	62	Western's Tracy and PG&E's Los Banos Substations
230-kV	18	Western's San Luis and Dos Amigos Substations

*This option would install a 500-kV transmission line that operates at 230-kV.



The proposed project may also include the following:

- Construction of breaker terminal bays at various substations
- Construction of transformer bank and interconnection facilities at the San Luis Substation
- Right-of-way easements with widths of 125 to 175 feet for 230-kV transmission lines and 200 to 250 feet for the 500-kV line
- Tubular or lattice steel structures used to support the transmission lines
 - For 230-kV line: structures would be between 100 and 200 feet tall depending on site-specific conditions
 - Taller structures may be required to address engineering constraints
- Access roads, including improvements to existing roads, new overland access and new unpaved temporary roads
- Ancillary facilities, such as communications facilities