

## Submit comment on Transmission Development Forum

SB Energy comments on the July 2025 Transmission Development Forum.

SCE	Serrano - Alberhill - Valley 500kV 1 Line Upgrade	<p>We appreciate SCE providing an input on why the In-service date has moved from Dec 2027 to June 2031 (Leadtime for Switch gear equipment at the 500kV GIS at Serrano 500kV substation) .</p> <ol style="list-style-type: none"> <li>1. When the previous update was provided as Dec 2027, in Jan 2025, what was the main reason behind SCE not procuring the long lead items ahead of the vendor selection for completion of the upgrades?</li> <li>2. Can SCE please also provide the selected vendor for the switchgear equipment at Serrano 500kV GIS substation</li> <li>3. Can SCE please provide the specifications of the switchgear that needs to be procured for the Serran 500kV GIS Substation</li> <li>4. Based on our own outreach to various vendors, we are learning that the lead times for switchgears of 500kV GIS are between 8 months to 28 months. These lead times are significantly different from what SCE has provided. We would like to have further discussion with SCE to explore if SCE can consider other vendors to obtain the 500kV GIS switch gear. SB Energy is open to having this discussion with other developers who may be interested in providing support to reduce lead times. Can SCE please provide a contact to discuss this further.</li> </ol>
SCE	Some of the line upgrades in the SCE Eastern Area (Devers – Red Bluff 500kV, Devers – Valley 500kV, Mira Loma – Mesa, San Bernardino – Etiwanda 230kV 1 Line Upgrade, San Bernardino – Vista 230 1 Line Upgrade, Vista	Given the significant delay in the Serrano – Alberhill – Valley 500kV line, can SCE please confirm if long-lead materials have been procured for these upgrades?

	– Etiwanda 230kV 1 Line Upgrade	
CAISO	All upgrades	Can CAISO please work with the PTOs to add a column on whether long lead items have been procured for the corresponding upgrades?
PG&E	<p>Install 2 x 16 ohm series bus reactors between Midway Substation 230 kV bus sections D and E (16 ohm parallel / 8 ohm net)</p> <p>Midway 230 kV Bus D BAAH Conversion: (Needed to install reactors between Bus Sections D &amp; E)</p>	<p>The In-Service date for the completion of the Midway 23kV Bus D BAAH required for installation is expected to be in-service by Nov 2027. However, the In-service date for the installation of the 2x16 ohm series bus reactors is March 2031.</p> <ol style="list-style-type: none"> <li>1. Can PG&amp;E please provide the reasoning behind this significant difference?</li> <li>2. Have the long-lead items for these upgrades already been procured?</li> <li>3. Can PG&amp;E please evaluate if the in-service date of the installation of the 2x16 ohm bus reactors can be aligned with the in-service date of the Midway 230kV Bud D BAAH required for installation of the bus reactors.</li> </ol>
PG&E	<p>QC13P2RAS-04 Modify existing Midway 500/230 kV transformer overload SPS to include transformer outage detection and transformer overload detection for Bank 11, 12, and 13</p> <p>Midway 230 kV Bus D BAAH Conversion: (Needed for Midway 500/230 kV Transformer overload RAS)</p>	<p>The RAS Upgrade is expected to be in-service by March 2028 while the BAAH conversion required for the RAS upgrade has an in-service date of February 2030.</p> <ol style="list-style-type: none"> <li>1. Can PG&amp;E please provide the reasoning why the BAAH conversion required for the RAS has a later in-service date?</li> <li>2. Has PG&amp;E already procured all the required long-lead items for these upgrades?</li> </ol>
CAISO	QC13P2RAS-04 Modify existing Midway 500/230 kV transformer overload SPS to	<p>The RAS Upgrade is expected to be in-service by March 2028 while the BAAH conversion required for the RAS upgrade has an in-service date of February 2030.</p> <ol style="list-style-type: none"> <li>1. With the Midway 500/230kV Overload RAS coming into service earlier, Can CAISO please confirm that the impacting interconnection projects (for which the RAS</li> </ol>

	<p>include transformer outage detection and transformer overload detection for Bank 11, 12, and 13</p> <p>Midway 230 kV Bus D BAAH Conversion: (Needed for Midway 500/230 kV Transformer overload RAS)</p>	<p>was a required Network Upgrade) would not have to wait for the completion of the Midway 230 kV Bus D BAAH Conversion to achieve their in-service date? (Assuming other required upgrades are completed as well)</p> <p>2. If projects will not have to wait for the Midway 230kV Bus D BAAH conversion (Need for Midway 500/230kV overload RAS), can CAISO please include these updates in the next round of the reassessment studies</p>
PG&E	<p>Midway 230 kV reactor replacement: Replace existing 9 ohm Midway 500/230 kV reactors with 13 ohm reactors</p>	<p>1. Can PG&amp;E please provide the reasoning why the reactor would take 4-years to replace?</p> <p>2. Has PG&amp;E already procured all the required long-lead items for these upgrades?</p>
PG&E	<p>Manning 500kV Upgrades</p>	<p>Long-lead equipment: When are PO's for long-lead equipment expected to be issued?</p> <ul style="list-style-type: none"> <li>a. HV circuit breakers</li> <li>b. MPT</li> <li>c. HV switch gear</li> <li>d. SCADA and utility interconnect relays and controls</li> </ul>
LS Power	<p>Manning 500kV Upgrades</p>	<p>Long-lead equipment: When are PO's for long-lead equipment expected to be issued?</p> <ul style="list-style-type: none"> <li>a. HV circuit breakers</li> <li>b. MPT</li> <li>c. HV switch gear</li> <li>d. SCADA and utility interconnect relays and controls</li> </ul>