

**Proposed Topics from the CPUC and Stakeholders for SCE TPR Process  
August 28, 2025 Stakeholder Meeting**

**1. SCE TPR Project Spreadsheet**

Please describe SCE's process for pulling data. Identify source systems, records, accounting data, etc., particularly noting any changes since last cycle. Discuss issues encountered in preparing the current TPR Project Spreadsheet and planned improvements for the next cycle.

**2. Generator Interconnection Network Upgrades and CAISO TPP Reliability and Policy-Driven Projects Through CAISO 2023-2024 TPP**

- a) Please provide an update on projects at or greater than 1MW that are interconnecting to SCE's electric transmission system. Please identify the updates to those included in the January 2025 CAISO Transmission Development Forum (TDF).
- b) Please identify the type and amounts (MW and MWh) of generation that will interconnect to the electric grid.
- c) Please include in the discussion cost estimates and in-service dates as provided in the CAISO Transmission Plan approving each project, the previous TPR Project Spreadsheets, and the current estimates. Please provide the reasons for changes in costs or in-service dates.

**3. Transmission Line Rating Remediation (TLRR)**

- a) Please provide an explanation on why approximately 60% of the remaining TLRR discrepancy remediation work is skewed heavily for the last forecasted year (i.e. 3,534 of the remaining 5,964 spans for the year 2030). Refer to the table SCE provided in the 08/06/2025 TPR response:

| <b><u>Year Forecasted<br/>(June 2025 TPR)</u></b> | <b><u>Remediation Spans</u></b> |
|---------------------------------------------------|---------------------------------|
| 2025                                              | 567                             |
| 2026                                              | 346                             |
| 2027                                              | 753                             |
| 2028                                              | 626                             |
| 2029                                              | 304                             |
| 2030                                              | 3,534                           |

- b) Please explain if SCE expects the remaining discrepancy work will follow the pattern of the previous 5,782 spans remediated reported in the July 8, 2025 Quarterly Report to the CPUC (e.g. approximately 20% cleared with no violation and 80% cleared by remediation work).
- c) Please provide any cost comparison or cost impact analysis for the change from the December 2024 TPR TLRR Forecast versus the May 2025 TPR TLRR Forecast. Refer to the table SCE provided in the 02/06/2025 TPR response:

| <b><u>Year Forecasted</u></b><br><b><u>(Dec 2024 TPR)</u></b> | <b><u>Remediation Spans</u></b> |
|---------------------------------------------------------------|---------------------------------|
| 2025                                                          | 602                             |
| 2026                                                          | 472                             |
| 2027                                                          | 537                             |
| 2028                                                          | 1,720                           |
| 2029                                                          | 2,233                           |
| 2030                                                          | 0                               |

- d) Please provide justification for the updated forecast schedule. Please describe any safety or reliability concerns identified with pushing out the completion of TLRR remediation work into 2030.

#### **4. Supply Chain / Advance Procurement**

- Please explain whether SCE is encountering any supply chain issues for transformers, circuit breakers, and other critical transmission-related infrastructure. If it is, please explain them and describe SCE's plans to address.
- Please provide an update on SCE's advance procurement of transformers and circuit breakers, both for emergency inventory and known projects. Please include updates on the preferred manufacturers/production slot reservation strategy and the work order process improvement pilot that were discussed during SCE's February 28, 2025 TPR Stakeholder Meeting.
- Please describe how tariffs are affecting the cost and availability of transformers, circuit breakers, and other critical transmission-related infrastructure.

#### **5. Wildfire Impacts**

Please provide an update on whether any SCE transmission facilities were affected by the January 2025 wildfires in SCE territory and, if so, provide a list of impacted transmission lines, towers, poles, and substations, along with estimated cost to repair damages.

#### **6. PB-05 Substation Unplanned Capital Maintenance and PB-06 Substation Maintenance Program**

Please describe these programs and provide an update on major projects under each. Please include in the discussion any notable risks or challenges to the programs, specifically any cost or reliability implications.

#### **7. PB-25 Seismic Mitigation Program – Substations**

Please describe the history and current status of this program, including the reason that 23 new projects under the program (with total cost estimated at \$57 million) have been included in

the current TPR PS. Please include in the discussion any notable risks or challenges to this program.

#### **8. SP-30 Lugo-Victorville 500 kV Transmission Line Upgrade**

SCE updated the in-service date for the Lugo-Victorville 500 kV Transmission Line Upgrade Project to 2027-03-31 in the June 2025 SCE TPR PS. During the July 30, 2025 TDF, SCE also stated that a portion of SCE's scope cannot be completed without coordinating outage dates with LADWP (causing sequencing delays as LADWP work continues to also be delayed), that generators are reaching out to LADWP for assistance, and that meetings between SCE and LADWP leadership are ongoing.

- a) Please provide a breakdown of SCE/LADWP/other TO project scope, work schedule, and dependencies.
- b) Please provide any mitigation plans coming out of meetings between SCE and LADWP.
- c) Please describe any opportunities for the CPUC to help speed up this project.

#### **9. Project Updates**

Please provide an updated overview of each of the following projects/programs, including any project drivers, timelines to completion, milestone schedule, current status, project risks, project dependencies, FERC/CPUC allocation, cost changes since project inception, and changes to the project in the past 12 months.

- a) SP-01 Calcite Substation
- b) SP-04 Alberhill Substation Loop In
- c) SP-10 Riverside Transmission Reliability Project
- d) SP-152 New Coolwater A 115/230 kV Bank
- e) SP-162 Las Vegas HSR DesertXpress (Virgin/Brightline West Train)
- f) SP-154 Serrano 4th Bank & GIS Rebuild
- g) PB - 05.02 Eagle Mountain–Blythe 161 kV
- h) PB-54 Transmission Planned Maintenance - Switch Replacement
- i) PB-18, Substation Transformer Bank Replacement Program (include a list of completed and upcoming projects in this program)
- j) PB-02.04, CA Pacific DC Intertie: Polymer Insulator Replacement (include discussion of the execution approach for this program)
- k) PB-52 Advanced Technology Capital IIJA DOE (include examples of pilot sites and include itemized forecast by year/component)
- l) XX Spare Transformer Equipment Program

#### **10. Data Field 25, Prioritization Procedure**

SCE has stated that it does not have an enterprise-wide mechanism that scores and prioritizes all projects implement across the company, and therefore, has provided the input “NA” for this data field. The Utility Prioritization Tab references prioritization process for certain

programs/projects but does not provide prioritization of the various “Assets and Items”, identified as Circuit Breakers: Transformers: Relays, Protection, Control: Substation Switchracks: Substation Switchrack Rebuild: Transmission Lines.

- a) Please describe how SCE prioritizes work by the “Assets and Items” categories.
- b) For future cycles, would SCE consider populating Field 25 with the ranking by “Assets and Items” categories?

#### **11. Data Field 66, Cost Benefit Analysis**

Please provide an update on SCE’s incorporation of cost/benefit analyses in its project planning strategy. What efforts is SCE taking to implement a Cost-Benefit Analysis or Cost-Benefit Ratio for the projects in the Project Spreadsheet?

#### **12. Data Field 48, AACE Class**

SCE stated that it has recently implemented a new data tool that facilitates the warehousing of Association for the Advancement of Cost Engineering (AACE) class information for substation and bulk transmission project work. Accordingly, starting with the June 2025 TPR submittal, SCE is now reporting the current AACE class as applicable and where available via the new tool. Please use 2-3 projects at AACE class 3 or 4 as examples to “walk through” the process of assessing projects with the new data tool and provide an overview of the “specific points in the project lifecycle” for which the AACE Estimated Class is determined” (as discussed in the TPR Notes Tab)

#### **13. Competitively-Bid Projects**

Please provide a list of competitively-bid projects (both TPP and non-TPP, if any) that SCE has interconnected at the transmission level. Include historical, in-process, and future-planned projects. For each project, please provide the following:

- a) Project description
- b) Primary purpose
- c) SCE-specific cost information (whether SCE is the incumbent utility, project sponsor, or both)
- d) Challenges encountered
- e) Most up-to-date in-service dates (where applicable)
- f) Project dependencies on other non-competitively bid projects

#### **14. Grid Enhancing Technologies**

Please provide any updates on Grid Enhancing Technologies (GETs) SCE is evaluating (e.g., Ambient Adjusted Ratings (AAR) and Dynamic Line Rating (DLR)), if any GETs projects have been in coordination with the CAISO, and how deployment of these technologies has enhanced grid operation and congestion/constraint mitigation timelines. Additionally, please describe any GETs implemented in projects without CAISO direction (i.e. at the volition of SCE alone).

**15. Data Centers**

Has SCE received any applications for transmission-level load interconnections for data center projects? If so, please describe the details of the planned project(s), including but not limited to anticipated load, cost, timeline, and rate schedule. If not, please describe how SCE plans to treat such an interconnection application in the future.

**16. California High Speed Rail Authority (CHSRA) Projects**

The planned path of the CHSRA High Speed Rail line goes through SCE territory. Please describe any expected impacts on SCE's Transmission System, including facility relocations and network upgrades. Please include timelines, expected cost, and cost allocation agreements.