

SCE Quarterly Infrastructure Projects Licensing Update

October 2, 2025

SCE's presentation includes preliminary information about anticipated filings, current as of October 2, 2025. This information is subject to change, and SCE reserves the right to amend any details before formal filing, including project scope, timing, and permit type or applicability.

Summary of Projects

Energy for What's AheadSM



Forecasted CPCN or PTC Applications

Project	TPP	Permit Type*	Filing Date*	Original In-Service Date	Current In-Service Date
North of SONGS- Serrano 500 kV Project	2023	CPCN	Q1/Q2 2026	2032	2032
Mesa-"Del Amo"-Serrano 500 kV Upgrade Project (SP-157)	2023	CPCN	Q1 2028	Q4 2033	Q4 2033*
Kramer-Victor 115 kV to 230 kV Rebuild Project (SP-165)	2022-2023	PTC	Q3 2027	Q4 2033	Q4 2032
Timepiece 115/33 kV Substation Project	N/A	PTC^	Q3 2026	Q2 2030	Q2 2030
Off Road Substation Project	N/A	PTC^	TBD^	Q2 2032	Q2 2032
Rector-Riverway No. 2 66 kV Subtransmission Project	N/A	PTC^	TBD^	Q2 2029	Q2 2029

**All permitting types and dates are estimates and subject to change.*

^Permit type and application filing date are estimated. Application not required if project is eligible for an advice letter.

Forecasted Advice Letters

Project	Anticipated Advice Letter Submittal Date*
So. Cal Gas Retention Project	Q4 2026
Pier S Energy Storage Project	Q3 2026**
Calcite 220 kV Substation Project (SP-01)	Q1 2026
West Los Angeles VA Campus Master Plan Project	Q1 2026
Brightline West Project (SP-162)	2025/ 2026

**All permitting types and dates are estimates and subject to change*

***Port of Long Beach has rescheduled approval of FEIR to 2026*

Projects in Licensing

Project	TPP	Permit Type	Filing Date	Original In-Service Date*	Current In-Service Date (ISD)*	Reason for Change in ISD
Alberhill System Project (SP-04)	2009	CPCN	9/30/09	Q2 2014	Q4 2029	Permitting
TLRR Ivanpah-Control 115 kV Project (SP-25)	N/A	PTC	7/17/19	Q4 2023	Q3 2033	Permitting
TLRR Control-Silver Peak 55 kV Project (SP-26)	N/A	PTC	8/13/21	Q4 2023	Q1 2034	Permitting
TLRR Gorman-Kern River 66 kV Project	N/A	PTC	8/13/21	Q4 2023	Q3 2029	Permitting
Cal City Substation 115 kV Upgrade Project (SP-174)	N/A	PTC	3/14/23	Q2 2024	Q2 2029	Scope change
TLRR Eldorado-Pisgah-Lugo 220 kV Project (SP-23)	N/A	PTC**	4/21/23	Q4 2023	Q1 2030	Scope change
TLRR Eagle Mountain-Blythe 161 kV Project (PB-22.45)	N/A	PTC	7/31/24	Q4 2021	Q1 2027	Permitting

*Original and current in-service dates and reasons for change in ISD from June 2, 2025, TPR report, where applicable

**SCE filed an Amended Application to change from a CPCN to a PTC on Sept. 5, 2025

Projects in Execution

Project	TPP	Permit Type	Filing Date	Original In-Service Date	Current In-Service Date (ISD)	Reason for Change in ISD
Eldorado-Lugo-Mohave Series Capacitor Project (SP-05)	2013	CPCN	5/02/18	Q4 2016	Q2 2026	Permitting
Riverside Transmission Reliability Project (SP-10)	2007	CPCN	4/15/15	Q1 2008	Q4 2029	Customer action

**Original and current in-service dates and reasons for change in ISD from June 2, 2025, TPR report, where applicable*

Projects in Development

Energy for What's AheadSM



CPCN and PTC Applications in Development

- North of SONGS-Serrano (NoSS)

- 2022-2023 CAISO TPP-approved Competitive Transmission Procurement project to increase transmission capacity to the Los Angeles Basin and North San Diego County. The scope of work consists of approximately 30 miles of a 500kV transmission circuit. The anticipated operating date is 2032 and the anticipated CPCN filing date is Q1/Q2 2026.

- Mesa-Del Amo-Serrano ("Del Amo") 500 kV Upgrade Project (SP-157)

- 2022-2023 CAISO TPP-approved Policy Driven Project requiring transmission upgrades to reinforce the transmission capacity in the LA Basin and address deliverability constraints. As identified in the Transmission Plan, the scope of work involves the construction of a new 500 kV switchrack with three 500/220 kV Transformer Banks in addition approximately 41 miles of 500 kV transmission line facilities in the Los Angeles Basin. An extensive review of the project scope has identified significant increases in the overall cost and scope compared to the initial proposal. The CAISO is currently re-evaluating this project and expects to have a resolution as part of the 2025-2026 TPP. The ultimate project scope and impact to the timeline is unknown at this time. The Energy Division of the CPUC was updated on this status during the Transmission Project Review (TPR) process stakeholder meeting held on 8/28/2025. The current Project schedule has an anticipated 2034 operating date and an anticipated Q1 2028 CPCN filing date.

- Kramer-Victor 115 kV to 230 kV Rebuild Project (SP-165)

- 2022-2023 CAISO TPP-approved Policy Driven project to upgrade the existing 115 kV to 220 kV to address voltage instability issues and improve the deliverability of resources in the North of Lugo area. The proposed project is located within San Bernardino County on portions of unincorporated and on incorporated land in the City of Adelanto and the City of Victorville, and federal and military lands. The anticipated operating date is 2032 and the anticipated filing date is Q3 2027.

CPCN and PTC Applications in Development (Continued)

- **Timepiece 115/33 kV Substation Project***

- Construct a new 115/33 kV substation and two new 115 kV subtransmission lines to serve forecasted load. The project is located in the Town of Apple Valley, San Bernardino County. Need date is June 1, 2030, and the anticipated PTC filing is Q4 2026.

- **Off Road 115/12 kV Substation Project***

- Construct a new 115/12 kV substation and approximately 15 miles of new 115 kV conductor to serve a new housing development in the southern portion of the City of Hesperia, in San Bernardino County. SCE anticipates submitting an advice letter consistent with GO 131-E PTC Exemption "e." The anticipated operating date is 2032 and advice letter submittal date is pending an addendum from the City of Hesperia.

- **Rector-Riverway No. 2 66 kV Subtransmission Project***

- Install approximately 14 miles of new 66 kV line, including substation related equipment to terminate the line at each end, to address a thermal overload condition during N-1 conditions in Tulare County. Project was previously presented to Energy Division as a potential PTC exemption for construction within existing ROW. The anticipated operating date is June 2029 and the PTC filing date is to be determined.

Exempt Projects

- **So Cal Gas Retention Substation Project**

- Construct a new 66 kV subtransmission gen-tie to connect 19.5 MVA at So Cal Gas' Honor Rancho Modernization Project to the new Retention Substation, located in Santa Clarita, CA. The Saugus-Haskell-Lockheed 66kV subtransmission line would loop into the new customer-dedicated, SCE-owned Retention 66/12kV Substation facility. SCE anticipates filing an Advice Letter in Q4 2025.

- **Pier S Energy Storage Project**

- Construct an approximately 450-foot 66 kV overhead gen-tie line from existing SCE Long Beach 66 kV Substation to customer-built Pier S Battery Energy Storage System Project within the Port of Long Beach. The Pier S Battery Energy Storage System Project is a 70 MW battery energy storage system (BESS). Construction includes substation position, ground grid, and fence work and installation of telecommunication facilities. SCE anticipates filing an Advice Letter in Q3 2026.

- **Calcite 220 kV Substation Project**

- Construct a new SCE Calcite 220 kV Substation and 220 kV generation tie line (gen-tie) to connect to Avantus Sienna Solar and Storage Project in San Bernardino County. Construction includes looping-in approximately 5,000 feet of existing Lugo-Pisgah No. 1 220 kV transmission line into the Calcite Substation, and construction of distribution and telecommunication facilities. San Bernardino County is currently finalizing a Recirculated Environmental Impact Report (EIR) which is expected to assess the environmental impacts of both the Avantus Sienna Solar and Storage Project and SCE's Calcite Substation Project. The final EIR is pending County of San Bernardino certification by December 2025. SCE anticipates filing an advice letter in Q1 2026.

Exempt Projects (Continued)

- **West Los Angeles VA Campus Master Plan Project**
 - Construct customer-dedicated 66 kV Infirmary Substation to provide 28 MVA redundancy in support of the Veteran's Affairs Administration's Hospital Campus expansion. SCE anticipates filing an Advice Letter in Q1 2026. Due to delayed funding by the US Government, the VA (customer) is targeting a new operating date of between Q4 2028 to Q1 2029.
- **Brightline West (formerly Xpress West) Project (Federal Preemption)**
 - Installation of three new 115 kV substations and new 115 kV subtransmission lines to support the proposed Las Vegas to Victorville high speed railway project. New substations will be located near Hesperia, Barstow, and Ivanpah, CA. New subtransmission lines will be necessary to serve the three new substations. SCE anticipates filing an Advice Letter following completion of updated federal review, which is expected to occur in 2025 or 2026.

Projects in Licensing Phase

Projects in Licensing Phase

- **Alberhill System Project (A.09-09-022) CPCN**
 - Construct a new Alberhill 500/115 kV Substation, two new 500 kV transmission line (T/L) segments to connect substation to existing Serrano-Valley 500 kV T/L, new 115 kV subtransmission lines and modifications to existing 115kV lines, and telecommunication facilities to address capacity, reliability, and resiliency needs in the Valley South System located in Riverside County. CAISO approved the Alberhill Substation Project in 2009. Current forecast reflects capacity deficit in 2025 and anticipated operating date is Q4 2029.
- **TLRR Ivanpah-Control Project (A.19-07-015) PTC**
 - Remediate 262 miles of existing 115 kV subtransmission lines for consistency with GO 95 and North American Electric Reliability Corporation (NERC) Facility Rating standards. Project scope includes a full rebuild of existing structures in Segments 1 and 2 and reconductor and replacement of some structures in Segments 3N and 3S. Project extends from Control Substation in Mono County south to Kramer Substation and east past the City of Barstow, in San Bernardino County. Need date is December 31, 2025, and the anticipated operating date is August 2033.
- **TLRR Control-Silver Peak Project (A.21-08-009) PTC**
 - Remediate 60 miles of existing 55 kV subtransmission lines for consistency with GO 95 and NERC Facility Rating standards. Project scope includes replacing the two existing single-circuited poles lines with one double-circuited pole line. Project extends from Control Substation in Mono County east to Fish Lake Metering Station at California/Nevada border. Need date is December 31, 2025, and the anticipated operating date is March 2031.
- **TLRR Gorman-Kern River Project (A.22-02-014) PTC**
 - Remediate 65 miles of existing 66 kV subtransmission lines for consistency with GO 95 and NERC Facility Rating standards and address reliability concerns. Project scope includes rebuilding the Banducci-Kern River #1 and Gorman-Kern River #1 66 kV lines as the new three-point Banducci-Gorman-Kern River #1 66 kV line. Project extends from Kern River Hydroelectric Substation northeast in Bakersfield to Gorman Substation east of the community of Gorman with a branch extending east of the Banducci Substation near the City of Tehachapi. Need date is December 31, 2030, and the anticipated operating date is July 2029.

Projects in Licensing Phase (Continued)

- **Cal City Substation 115 kV Upgrade Project (A.23-03-005)**

- Construct two new 115 kV subtransmission lines, upgrade the existing 33/12 kV Cal City Substation to 115/12 kV and 115/33 kV to address forecasted need and provide Edwards 115/33 kV Substation, located on Edwards Airforce Base (EAFB), with a second source line for reliability and operational flexibility. The Proposed Project extends from the existing Cal City 33/12 kV Substation in California City, northeast bordering Kern County, east towards Highway 395, south to the existing 220/115 kV Kramer Substation in San Bernardino County and EAFB. Project extends from Edwards Substation on EAFB, northeast in Kern County, and branches off east to Holgate Switchyard. The need date is June 2023 and anticipated operating date is June 2029.

- **TLRR Eldorado-Pisgah-Lugo Project (A.23-04-009)**

- Remediate discrepancies on the existing 220 kV transmission lines (two transmission lines approx. 175-mile each) for consistency with GO 95 and National Electric Safety Code (NESC) standards. Project scope includes reconductoring approximately 121 linear miles of 220 kV transmission line, modifying 79 structures, and installing 12 inter-set structures. Project extends from Lugo Substation in Hesperia/San Bernardino County east to Eldorado Substation in Clark County, Nevada. Need date is December 31, 2025, and anticipated operating date is Q1 2030.

- **TLRR Eagle Mountain-Blythe Project (A.24-07-021)**

- Remediate 53 circuit miles of existing 161 kV transmission lines for consistency with GO 95 and NERC Facility Rating standards. Project scope includes reconductoring approximately 53 linear miles of transmission line and replacing 53 structures with 44 new structures. The project extends from Eagle Mountain east to the City of Blythe, in Riverside County. Need date is December 31, 2025, and anticipated operating date is Q1 2027. The PEA is in review and pending completeness determination.

Projects in Execution Phase

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Projects in Execution Phase

Eldorado-Lugo-Mohave (A.18-05-007)

- Construct two new mid-line series capacitors (along the Eldorado-Lugo and Lugo-Mohave 500 kV lines) and install 235 miles of optical ground wire (OPGW). In May 2025, all six Series Capacitors were successfully energized but SCE does not plan to operate the ELM line at its increased capacity until the AC mitigation is complete. SCE and SoCal Gas have finalized the AC Mitigation scope on existing gas pipeline and the federal agencies (BLM/MNP) have granted approvals to proceed with construction. The AC mitigation work began in September 2025. SCE anticipates filing a second PFM to address the costs associated with the SoCalGas AC pipeline mitigation work. The final project in-service date is June 2026.

Riverside Transmission Reliability Project (A.15-04-013)

- On June 5, 2025, the CPUC approved SCE's first Notice to Proceed Request (NTPR-1). Minor Project Change (MPC) request was submitted for environmental clearance of Tyler yard area on August 15, 2025. SCE submitted NTPR-2 for development and use of the Tyler yard on September 15, 2025. SCE is in the final stages of engineering transmission line elements of the project scope including the underground cable system design and subsurface investigations, as well as finalizing the locations of some overhead structures. Construction activities are currently underway for the underground segment in the City of Jurupa Valley streets. Construction activities include potholing, vault excavation, and duct bank excavation, and conduit placement and backfilling. On April 3, 2025, CPUC Executive Director Peterson issued a letter granting SCE's extension request to submit its application for determination of reasonableness of costs exceeding the cost cap in the Decision by October 31, 2025. The project is expected to be in-service October 2029.