

# SCE Quarterly Infrastructure Projects Licensing Update

December 16, 2025

SCE's presentation includes preliminary information about anticipated filings, current as of December 16, 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 Ahead<sup>SM</sup>



# Anticipated 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	Q3 2026	2032	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
<b>Projects on hold for further CAISO review</b>					
Del Amo-Mesa-Serrano 500 kV Upgrade <b>(SP-157)</b>	2023	CPCN	TBD	Q4 2033	Q4 2034
Kramer-Victor 115 kV to 230 kV Rebuild <b>(SP-165)</b>	2023	PTC	TBD	Q4 2033	Q4 2033

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

^Application not required if project is eligible for an advice letter.

# Anticipated Advice Letters

Project	Anticipated Advice Letter Submittal Date*
Golden Field Solar Project <b>(SP-58)</b>	Q4 2025/ Q1 2026
Calcite 220 kV Switching Station Project <b>(SP-01)</b>	Q1 2026
Bear Valley Road Project	Q1 2026
Bloomington-Colton-Glen Relocation Project	Q1 2026
So Cal Gas Retention Substation Project	Q2 2026
Brightline West Project <b>(SP-162)</b>	2026
West Los Angeles VA Campus Master Plan Project	Q2 2027
Pier S Energy Storage Project	2028**

\*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 <b>(SP-04)</b>	2009	CPCN	9/30/09	Q2 2014	Q4 2029	Permitting
TLRR Ivanpah-Control 115 kV Project <b>(SP-25)</b>	NA	PTC	7/17/19	Q4 2023	Q3 2031	Permitting
TLRR Control-Silver Peak 55 kV Project <b>(SP-26)</b>	N/A	PTC	8/13/21	Q4 2023	Q1 2031	Permitting
Cal City Substation 115 kV Upgrade Project <b>(SP-174)</b>	N/A	PTC	3/14/23	Q2 2024	Q2 2029	Permitting
TLRR Eldorado-Pisgah-Lugo 220 kV Project <b>(SP-23)</b>	N/A	PTC**	4/21/23	Q4 2023	Q1 2030	Permitting
TLRR Eagle Mountain-Blythe 161 kV Project <b>(PB-22.45)</b>	N/A	PTC	7/31/24	Q4 2021	Q1 2027	Permitting

\*Original, Current In-Service Dates and Reasons for Change in ISD, where applicable, are from SCE's December 1, 2025 TPR report

\*\*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 <b>(SP-05)</b>	2013	CPCN	5/02/18	Q4 2016	Q2 2026	Permitting
Riverside Transmission Reliability Project <b>(SP-10)</b>	2007	CPCN	4/15/15	Q1 2008	Q4 2029	Customer action
TLRR Gorman-Kern River 66 kV Project	N/A	PTC	8/13/21	Q4 2023	Q3 2029	Permitting

*\*Original, Current In-Service Dates and Reasons for Change in ISD, where applicable, are from SCE's December 1, 2025 TPR report*

# Projects in Development

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# 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 Q3 2026.

- 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 September 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.



# CAISO Review of Previously Approved Projects

As disclosed in the December TPR submittal, CAISO is currently reviewing the cost and scope of several previously approved projects. CPCN or PTC application preparations are on hold for the below projects, included in previous quarterly updates:

- **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 Los Angeles Basin and address deliverability constraints. As identified in the 2022-2023 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.
- **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 transmission line to 220 kV to address voltage instability issues and improve the deliverability of resources in the North of Lugo area. The proposed project traverses portions of San Bernardino County, including the cities of Adelanto and Victorville, and federal/ military lands.

# Exempt Projects

- **Golden Fields Solar Project (SP-58)**

- Construct new structures and equipment within and adjacent to the Whirlwind Substation to interconnect the Golden Fields Solar Farm Project. SCE's scope of work includes the new 220 kV generation tie-line to interconnect the Golden Fields Solar Farm project and the Whirlwind Substation, located in the City of Rosamond, CA. SCE anticipates filing an Advice Letter in Q4 2025 or Q1 2026.

- **Calcite 220 kV Switching Station Project (SP-01)**

- Construct the new SCE Calcite 220 kV Switching Station to connect to Avantis' Sienna Solar (200MW) and Sienna Solar 2 (55MW) Projects in San Bernardino County. Construction includes looping-in approximately 5,000 feet of the existing Lugo-Pisgah No. 1 220 kV transmission line into the new Calcite Switching Station, and construction of distribution and telecommunication facilities. San Bernardino County has finalized a Recirculated Environmental Impact Report (EIR) covering the Avantis Sienna Solar and Sienna 2 Storage Projects and SCE's Calcite Switching Station Project. The final EIR awaits certification by the County of San Bernardino which is expected in January 2026. SCE anticipates filing an advice letter in Q1 2026.

- **Bear Valley Road Project**

- Relocate the Cottonwood-Savage 115kV line approximately 1,900 feet to accommodate the widening of the Bear Valley Road Bridge over the Mojave River and improve Caltrans roadway located in the cities of Hesperia and Victorville. SCE anticipates filing an Advice Letter in Q1 2026.

# Exempt Projects (Continued)

- **Bloomington-Colton-Glen Avon 66 kV Relocation Project**

- Relocate the Bloomington-Colton-Glen Avon 66kV and Vista-Bloomington-Glen Avon 66kV lines, located in the City of Fontana in San Bernardino County and the City of Jurupa Valley in Riverside County. SCE anticipates filing an Advice Letter in Q1 2026.

- **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 Q2 2026.

- **Brightline West Project (Federal Preemption) (SP-162)**

- 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 an updated federal review, which is expected to occur in 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. Due to delayed funding by the US Government, the VA (customer) is targeting a new operating date of between Q4 2028 to Q1 2029. SCE anticipates filing an Advice Letter in Q2 2027.

- **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. The customer suspended the project due to local permitting delays. The new operating date is Q4 2029. SCE anticipates filing an Advice Letter in Q4 2028.

# 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. 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 Q3 2031.
- **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 Q1 2031.

# 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 anticipated operating date is Q2 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. SCE received the letter of completeness on November 5, 2025. The anticipated operating date is Q1 2027.

# Projects in Execution Phase



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## 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 in December 2025 or January 2026 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. As required by the CPCN, SCE continues to submit written quarterly updates to Energy Division regarding project status, construction progress and updated cost information; SCE's most recent update was submitted on October 24, 2025. The project is expected to be in-service October 2029.

## TLRR Gorman-Kern River Project (A.22-02-014) PTC

- On October 30, 2025, the CPUC approved SCE's PTC. The project includes remediation of 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.