

# SCE Quarterly Infrastructure Projects Licensing Update

June 17, 2025

SCE's presentation includes preliminary information about anticipated filings, current as of June 17, 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

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# 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 2026      | 2032                     | 2032                    |
| Mesa-"Del Amo"-Serrano 500 kV Upgrade Project <b>(SP-157)</b>  | 2023 | CPCN         | Q1 2027      | Q4 2033                  | Q4 2033                 |
| Kramer-Victor 115 kV to 230 kV Rebuild Project <b>(SP-165)</b> | 2023 | PTC          | Q1/ Q2 2027  | Q4 2033                  | Q4 2033                 |
| Timepiece 115/33 kV Substation Project                         | N/A  | PTC^         | Q4 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* |
|--------------------------------------------------|-------------------------------------------|
| Deer Creek Solar Project                         | May 25, 2025                              |
| Rector-Goshen-Liberty 66 kV Relocation Project   | June 2025                                 |
| So. Cal Gas Retention Project                    | Q3 2025                                   |
| Pier S Energy Storage Project                    | Q3 2026**                                 |
| Calcite 220 kV Substation Project <b>(SP-01)</b> | Q3 2025                                   |
| West Los Angeles VA Campus Master Plan Project   | Q4 2025                                   |
| Brightline West Project <b>(SP-162)</b>          | 2025                                      |

*\*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>          | N/A  | PTC         | 7/17/19     | Q4 2023                   | Q3 2033                        | Permitting               |
| TLRR Control- Silver Peak 55 kV Project <b>(SP-26)</b>       |      | 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 <b>(SP-174)</b>   | N/A  | PTC         | 3/14/23     | Q2 2024                   | Q2 2029                        | Scope change             |
| TLRR Eldorado-Pisgah-Lugo 220 kV Project <b>(SP-23)</b>      | N/A  | CPCN*       | 4/21/23     | Q4 2023                   | Q1 2030                        | Scope change             |
| TLRR Eagle Mountain- Blythe 161 kV Project <b>(PB-22.45)</b> | 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

# 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        | 5/2/18      | Q4 2016                  | Q2 2026                       | Permitting               |
| Riverside Transmission Reliability Project <b>(SP-10)</b>    | 2007 | CPCN        | 4/15/15     | Q1 2008                  | Q4 2029                       | Customer action          |

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

# 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 Q1 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 address on-peak deliverability constraints. Work scope involves construction of 500/220/66/12 kV substation and approximately 41 miles of 500 kV transmission line in the Los Angeles Basin. The anticipated operating date is 2033 and the anticipated CPCN filing date is Q1 2027.
- **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 2033 and the anticipated filing date is Q1/Q2 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 and telecommunication fiber lines (length to be determined) 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 being determined.

# Exempt Projects

- **Deer Creek Solar Project**

- Construct the new Rhonda 66 kV Substation and 66kV tap line from the existing Poplar-Terra Bella line to interconnect with the Deer Creek Solar and Storage Project in Tulare County. Construction includes a new approximately 260-ft tap line from the existing Poplar-Terra 66kV line to Rhonda Station and the construction of distribution and telecommunication facilities. SCE filed an Advice Letter on May 25, 2025 and anticipates commencing construction July 11, 2025.

- **Rector-Goshen-Liberty 66 kV Relocation Project**

- Relocate 66 kV subtransmission line involving installation of 16 wood poles, eight tubular steel poles (TSP), and approximately one mile of conductor in support of Caltrans Caldwell Interchange Project at State Route 99 and Caldwell Ave in Tulare County. SCE anticipates filing an Advice Letter in June 2025.

- **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 Q3 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.

## Exempt Projects (Continued)

- **Calcite 220 kV Substation Project**

- Construct new SCE Calcite 220 kV Substation and 220 kV generation tie line (gen-tie) to connect to Avantis 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 assesses the environmental impacts of both the Avantis Sienna Solar and Storage Project and SCE's Calcite Substation Project. The final EIR is pending approval. SCE anticipates filing an advice letter in Q3 2025.

- **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 Q4 2025.

- **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.

# 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 line, 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 line 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 line 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 in Nevada. Need date is December 31, 2025, and the anticipated operating date is February 2034.
- **TLRR Gorman-Kern River Project (A.22-02-014) PTC**
  - Remediate 65 miles of existing 66 kV lines to comply 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 new subtransmission lines, underground getaways, telecommunications, and upgrade transformers to address forecasted need and provide Edwards 115/33kV Substation 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 220/115 kV Kramer Substation in San Bernardino County and EAFB. Project extends from Edwards Substation in 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 approximately 350 circuit miles of existing 220 kV lines (two approx. 175-mile-long circuits) to comply with GO 95 and NERC Facility Rating standards. Project scope includes reconductoring approximately 121 linear miles of 220 kV transmission line, modifying 79 structures, and installing 12 interset 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 the anticipated operating date is Q1 2030.

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

- Remediate 53 circuit miles of existing 161 kV lines to comply 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 the anticipated operating date is Q1 2027. The PEA is in review and pending completeness determination.

# 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 is coordinating with SoCal Gas to finalize AC Mitigation scope on existing gas pipeline and federal agencies (BLM/MNP) on planned AC gas pipeline mitigation work. As of February 2025, SCE has settled all disputed potential change orders (PCO) with its contractor. As a result of the settlement, SCE will not need to revise the Maximum Reasonable Prudent Cost (MRPC) requested in its Petition For Modification (PFM) to accommodate the cost of the settled PCOs. SCE anticipates filing a second PFM to address the costs associated with the SoCalGas AC pipeline mitigation work once costs are known. The AC mitigation work is expected to begin in August 2025. The final project in-service date is revised to 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). SCE continues toward completing all remaining pre-construction readiness deliverables/activities and is targeting construction start of the underground portion of RTRP in Jurupa Valley city streets in late June 2025. 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.