

Q3 2023 Transmission Development Forum (TDF)

Approved Transmission Planning Projects and Queue Network Upgrades

Changes in In-Service Dates (ISD) from the Q2 2023 TDF

July 25th, 2023

Approved Transmission Planning Projects¹

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Q2 2023 TDF	Current Expected ISD	Project Status	Expected CPUC Permit Filing	Expected Construction Start
1	New Coolwater A 115/230 kV Bank	2022-2023	2026	New	Pending	Initiation	Pending	Pending
2	New Control 115 kV Shunt Reactor	2022-2023	2026	New	Pending	Initiation	Pending	Pending
3.1	Lugo-Victor-Kramer Upgrade: Add 3rd Lugo 500/230 kV Transformer	2022-2023	2028	New	Pending	Initiation	Pending	Pending
3.2	Lugo-Victor-Kramer Upgrade: Reconductor Lugo-Victor 230 kV No. 1, 2, 3 & 4 lines using HTLS	2022-2023	2028	New	Pending	Initiation	Pending	Pending
3.3	Lugo-Victor-Kramer Upgrade: Rebuild/build Kramer-Victor 115 kV lines to 230 kV and loop the old segment of Kramer-Victor 115 kV into Roadway	2022-2023	2033	New	Pending	Initiation	Pending	Pending

1: Projects approved by the CAISO in May 2023

Approved Transmission Planning Projects¹

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Q2 2023 TDF	Current Expected ISD	Project Status	Expected CPUC Permit Filing	Expected Construction Start
4	Devers-Red Bluff 500 kV 1 and 2 Line Upgrade	2022-2023	2028	New	Pending	Initiation	Pending	Pending
5	Colorado River-Red Bluff 500 kV 1 Line Upgrade	2022-2023	2028	New	Pending	Initiation	Pending	Pending
6	Devers-Valley 500 kV 1 Line Upgrade	2022-2023	2028	New	Pending	Initiation	Pending	Pending
7	Serrano-Alberhill-Valley 500 kV 1 Line Upgrade	2022-2023	2028	New	Pending	Initiation	Pending	Pending
8	San Bernardino-Etiwanda 230 kV 1 Line Upgrade	2022-2023	2031	New	Pending	Initiation	Pending	Pending
9	San Bernardino-Vista 230 kV 1 Line Upgrade	2022-2023	2026	New	Pending	Initiation	Pending	Pending
10	Vista-Etiwanda 230 kV 1 Line Upgrade	2022-2023	2031	New	Pending	Initiation	Pending	Pending

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Approved Transmission Planning Projects¹

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Q2 2023 TDF	Current Expected ISD	Project Status	Expected CPUC Permit Filing	Expected Construction Start
11	New Serrano 4AA Bank & 230kV GIS Rebuild	2022-2023	2027	New	Pending	Initiation	Pending	Pending
12	Antelope-Whirlwind Line Upgrade	2022-2023	2025	New	Pending	Initiation	Pending	Pending
13	Mira Loma-Mesa Upgrade	2022-2023	2026	New	Pending	Initiation	Pending	Pending
14	Serrano-Del Amo-Mesa 500 kV Transmission Reinforcement	2022-2023	2033	New	Pending	Initiation	Pending	Pending
15	Sylmar Transformer Replacement	2022-2023	2026	New	Pending	Initiation	Pending	Pending

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Queue Network Upgrades¹

No.	ID	Network Upgrades	Status	Current Expected Construction Start	Expected CPUC Application	Original Estimated ISD	Expected ISD Q2 2023 TDF	Current Estimated ISD	Aggregate MW in Queue with Executed LGIA
1	SCE-C9C10-N	Windhub AA Bank CRAS - monitoring infrastructure	Execution	Jan-2023	N/A	Nov-2022	Apr-2023	Dec-2023	1,800
2	SCE-C9P2-N-R1	Whirlwind AA Bank CRAS Monitoring Infrastructure	Execution	Mar-2023	N/A	Nov-2022	Jun-2023	Mar-2024	1,015
3	SCE-C11P2-N-L1	Pardee – Pastoria – Warne 220 kV T/L Rating Increase	Design	Jul-2023	N/A	Oct-2022	Jun-2023	Oct-2023	110
4	SCE-C12P2-N-R3	Moorpark CRAS: monitoring infrastructure	Design	Pending	N/A	Jul-2024	Pending	Oct-2025	635
5	SCE-C12P2-N-R2	Tehachapi CRAS: monitoring infrastructure addition	Design	Jan-2025	N/A	Sep-2024	Apr-2025	Nov-2025	2,000
6	SCE-TCP2-EOP-R4	Lugo - Victorville RAS	Permitting	Oct-2023	N/A	Dec-2020	Dec-2023	Apr-2024	530
7	SCE-C9P2-NOL-R1	New North of Lugo RAS - Backbone Portion	Design	Jun-2025	N/A	Jun-2024	Jun-2025	Jun-2026	450
8	PIN6902	Calcite Substation	Plan/Analyze	Jan-2026	Pending	Jan-2024	TBD	Mar-2027	400

1: Only the projects with changed in-service date or a major change in status (e.g., New, Cancelled, or Completed) are shown. Workbooks of all the approved transmission projects are posted on the CAISO website under Transmission Development Forum.