

July 2025 Transmission Development Forum

Approved Transmission Planning Projects and Queue Network Upgrades

Changes in In-Service Dates (ISD) from the January 2025 Transmission Development Forum

Summary of Approved Transmission Planning Projects (1/3)

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Jan 2025 TDF	Current Expected ISD	Project Status	CPUC Permit Filing	Construction Start
1	Antelope 66 kV Circuit Breaker Duty Mitigation Project	2021-2022	2026	Dec 2025	Dec 2026	Construction	Exempt	Oct 2024
2	Inyo 230 kV Shunt Reactor	2023-2024	2027	Dec 2026	Sep 2026	Engineering Design	Pending	Mar 2026
3	Laguna Bell - Mesa No. 1 230 kV Line Rating Increase Project	2021-2022	2023	Complete	Apr 2025	Construction	Exempt	May 2024
4	Lugo – Eldorado series cap and terminal equipment upgrade	2012-2013	2016	May 2025	Jun 2026	Construction	May 2018	Dec 2020
5	Lugo – Victorville 500 kV Upgrade (SCE portion)	2016-2017	Dec 2018	May 2025	Dec 2025	Construction	Exempt	Jan 2019
6	Lugo Substation Install new 500 kV CBs for AA Banks (Bank on Breakers)	2008	Dec 2011	Dec 2029	Jun 2031	Design	Exempt	Jan 2030
7	Lugo-Mohave series capacitor upgrade	2013-2014	2016	May 2025	Jun 2026	Construction	May 2018	Dec 2020
8	Lugo-Victor-Kramer Upgrade (1/3) Add 3rd Lugo 500/230 kV Transformer (New AAA Lugo 500/230 kV Transformer Bank)	2022-2023	2028	Dec 2028	Jun 2029	Preliminary Engineering	Exempt	Jan 2028

Summary of Approved Transmission Planning Projects (2/3)

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Jan 2025 TDF	Current Expected ISD	Project Status	CPUC Permit Filing	Construction Start
9	Lugo-Victor-Kramer Upgrade (2/3) Reconductor Lugo-Victor 230 kV No. 1, 2, 3 & 4 lines using HTLS	2022-2023	2028	May 2028	Dec 2026	Design	Pending	Oct 2025
10	Lugo-Victor-Kramer Upgrade (3/3) 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	Jun 2033	Dec 2032	Initiation	Jun 2028	Jul 2030
11	New CoolwaterA 115/230 kV Bank	2022-2023	2026	Apr 2027	Jun 2028	Preliminary Engineering	Exempt	Aug 2026
12	Sylmar Transformer Replacement	2022-2023	2026	Dec 2026	Jan 2028	Engineering	Exempt	Dec 2023
13	Tie line Phasor Measurement Units - Control	2017-2018	Dec 2020	Pending	Dec 2025	Construction	Exempt	Oct 2018
14	Victor 230 kV Switchrack Reconfiguration	2021-2022	2023	Pending	Jun 2027	Preliminary Engineering	Exempt	Oct 2026
15	Barre 230 kV Switchrack Conversion to BAAH Project	2022-2023	2026	Jun 2026	Dec 2027	Engineering	Exempt	Aug 2025
16	Colorado River-Red Bluff 500 kV 1 Line Upgrade	2022-2023	2028	Dec 2027	Dec 2026	Preliminary Engineering	Pending	Oct 2026
17	Devers 230 kV Reconfiguration Project	2021-2022	2023	Jun 2027	Apr 2027	Final Engineering	Exempt	Jun 2024

Summary of Approved Transmission Planning Projects (3/3)

No.	Project	Transmission Plan Approved	ISD at Approval in Transmission Plan	Expected ISD Jan 2025 TDF	Current Expected ISD	Project Status	CPUC Permit Filing	Construction Start
18	Devers-Valley 500 kV 1 Line Upgrade	2022-2023	2028	Dec 2027	Apr 2028	Preliminary Engineering	Pending	Jan 2027
19	New Serrano 4AA Bank & 230kV GIS Rebuild	2022-2023	2027	Dec 2027	May 2033	Engineering	Exempt	May 2027
20	San Bernardino-Etiwanda 230 kV 1 Line Upgrade	2022-2023	2031	Mar 2029	Apr 2028	Preliminary Engineering	Pending	Oct 2027
21	San Bernardino-Vista 230 kV 1 Line Upgrade	2022-2023	2026	Mar 2029	Apr 2027	Preliminary Engineering	Pending	Feb 2027
22	Serrano-Alberhill-Valley 500 kV 1 Line Upgrade	2022-2023	2028	Dec 2027	Jun 2031	Engineering	Exempt	Mar 2027
23	Devers-Red Bluff 500 kV 1 and 2 Line Upgrade	2022-2023	2028	Jan 2030	Apr 2030	Preliminary Engineering	Pending	Oct 2028
24	Mira Loma 500 kV CB Upgrade Project	2022-2023	2026	Dec 2028	Aug 2028	Design	Exempt	May 2028
25	Vista-Etiwanda 230 kV 1 Line Upgrade	2022-2023	2031	Mar 2029	Jan 2027	Preliminary Engineering	Pending	Oct 2026

Summary of Queue Network Upgrades

No.	Network Upgrade	Status	Construction Start	CPUC Application	Trigger Year	Expected ISD Jan 2025 TDF	Current Expected ISD	Aggregate MW in Queue with Executed LGIA
1	Lugo - Victorville RAS	Plan/Analyze	Jan 2025	N/A	Sep 2011	May 2025	Dec 2025	530
2	Moorpark CRAS: monitoring infrastructure	Design	TBD	N/A	Jul 2021	Jun 2028	Dec 2028	735
3	Pardee – Pastoria – Warne 220 kV T/L rating increase	Execution	June 2023	N/A	Jul 2020	Dec 2025	Sep 2025	126
4	South of Vincent CRAS	Design	Dec 2025	N/A	Dec 2021	May 2026	Nov 2027	1,400