



Decision on Updates to the ISO 2025-2026 Transmission Plan

Jeff Billinton

Director, Transmission Infrastructure Planning

Board of Governors Meeting

General Session

August 27, 2026

ISO Public

Management is seeking approval of two updates to the 2025-2026 Transmission Plan

- To remove the hold on the following two approved projects:
 - De Anza 115 kV Substation Project; and
 - South Bay Reinforcement Project (Revised Scope Item G)
- Correct Table 1-1 to include the reservation of geothermal resources within California identified in the CPUC portfolio

When the 2025-2026 Transmission Plan was approved on May 19, 2026:

- Two projects were approved but placed on hold pending completion of an affected-system evaluation by Silicon Valley Power (SVP):
 - De Anza 115 kV Substation Project
 - South Bay Reinforcement Project (Revised Scope Item G)
- Management was directed to return with a recommendation following the evaluation.

Coordination with Silicon Valley Power (SVP)

- SVP performed preliminary steady-state and short-circuit duty analyses
 - The steady-state assessment did not find material adverse impacts to SVP's internal transmission system
 - The short-circuit duty analysis identified increases in fault-duty levels on portions of the SVP system

Silicon Valley Power supports removing the hold on the two transmission projects, with conditions:

- That the ISO formally acknowledge the short-circuit duty concerns
- That mitigations are jointly evaluated by the ISO, PG&E, and SVP as part of the 2026-2027 transmission planning process

Correction to Table 1-1 *Deliverable Resources and Resource Locations*

- Table 1-1: *Deliverable Resources and Resource Locations* of the Board approved 2025-2026 Transmission Plan sets out the capacity of long lead-time resources for which deliverability is reserved
- The Board-approved plan inadvertently omitted the full capacity of geothermal reservations identified in the California Public Utilities Commission's planning portfolio used in the Transmission Plan

Correction to Table 1-1: Deliverable Resources and Resource Locations

Resource type and Location	Base Portfolio		Deliverability reservation
	2035	2040	
Out-of-State Wind			
Wyoming wind (Eldorado)	3,000 MW	3,000 MW	1,500 MW
Wyoming wind (Tesla)	0 MW	1,707 MW	0 MW
Idaho wind (Harry Allen)	1,100 MW	1,100 MW	1,100 MW
New Mexico Wind (Palo Verde)	3,099 MW	3,099 MW	3,099 MW
New Mexico Wind (Mead)	350 MW	350 MW	350 MW
Offshore Wind			
Offshore wind (North Coast - Humboldt 500 kV)	1,607 MW	1,607 MW	1,607 MW
Offshore wind (Central Coast - Diablo 500 kV)	2,924 MW	2,924 MW	2,924 MW
Long Duration Energy Storage (LDES)			
LDES (Bellota)	310 MW	310 MW	310 MW
LDES (Gregg)	140 MW	140 MW	140 MW
LDES (Sycamore Canyon)	409 MW	409 MW	409 MW
LDES (Whirlwind)	400 MW	400 MW	400 MW
Geothermal - Out-of-CAISO			
Geothermal (Imperial Irrigation District)	655 MW	655 MW	655 MW
Geothermal (IPP & IPPUtah)	90 MW	90 MW	90 MW
Geothermal (Mead) ¹³	45 MW	45 MW	45 MW
Geothermal (Summit) ¹³	40 MW	40 MW	40 MW
In-state Geothermal added in Constraint Mapping			
Beatty 230 kV	400 MW	400 MW	400 MW
Cloverdale 115 kV	28 MW	28 MW	28 MW
Eagle Rock (PG&E) 115 kV	22 MW	22 MW	22 MW
Fulton 230 kV	54 MW	54 MW	54 MW
Geysers 17 230 kV	20 MW	20 MW	20 MW

Correcting the 2025-2026 Transmission Plan Table 1-1 will avoid future stakeholder uncertainty

- The Transmission Plan did identify the ISO's intent to reserve deliverability for all geothermal resources included in the portfolio
- On July 29, 2026, the ISO issued an errata regarding Table 1-1: *Deliverable Resources and Resource Locations* of the 2025-2026 Transmission Plan
- Correcting Table 1-1 in the Transmission Plan will align the table with the California Public Utilities Commission portfolios, the errata, and the narrative in the Transmission Plan

Management recommends the ISO Board of Governors approve the Updated ISO 2025-2026 Transmission Plan

- The May 19, 2026, Board Approved 2025-2026 Transmission Plan has been updated to:
 - Remove the hold status for the De Anza 115 kV Substation Project and the South Bay Reinforcement Project (Revised Scope Item G)
 - The ISO will continue to coordinate with SVP and PG&E through the 2026-2027 transmission planning process to evaluate and address identified short-circuit duty impacts
 - Correcting Table 1-1 to include the reservation of geothermal resources within California identified in the CPUC portfolio.