

CAISO / CPUC Transmission Development Forum

GLW / VEA Project Updates

January 29, 2025

All cluster 9 and earlier GLW / VEA network upgrade projects are completed

Network Upgrade Projects

Project	Study	Type	Expected In-service Date (July 2024 TDF)	Expected In-service Date (Current)
Trout Canyon - Sloan Canyon 230kV line upgrade	2021 Reassessment	LDNU	Dec-27	Replaced by GLW Approved Upgrades;
Innovation RAS	C8 Phase II	RNU	July-23	Completed May-23
Innovation RAS (VEA-GLW portion)	C9 Phase II	RNU	July-23	Completed May-23
Sloan Canyon RAS (VEA-GLW portion)	C9 Phase II	RNU	July-23	Completed May-23

Expected in-service date for the upgrades revised and approved in the 2022-2023 TPP is December 2027


CAISO's TPP-Approved Projects

Project	Transmission Plan Approved	Expected In-service Date (July 2024 TDF)	Expected In-service Date (Current)
Tie line Phasor Measurement Units	2017-2018	December 2023	Q2 2025
GLW/VEA Area Upgrades –revised scope	2021-2022 (revised scope 2022-2023)	Dec-27 ⁽¹⁾	Earliest June-27; Latest Dec-27 ⁽¹⁾
GLW/VEA Area Upgrades and Beatty Upgrades	2022-2023	Dec-27	Dec-27

1) The revised scope of the GLW/VEA area upgrades was approved in the 2022-2023 TPP.

Uncertainty on BLM's Western Solar Plan was recently cited by CPUC's PD, but 14.2 GW of renewable projects remain in GLW Queue and further development is possible

Western Solar Plan

Western Solar Plan	CPUC 25-26 PD Language	VEA / GLW Projects
<ul style="list-style-type: none">✗ The PEIS identifies exclusion areas where utility-scale solar development is prohibited, including in the GLW area (map on next slide)✗ The PEIS will extend environmental permitting timelines for utility-scale solar 	<p>In moving resources from the East of Pisgah (GLW / VEA Area), the CPUC states</p> <p>“We will not ask Commission staff to systematically shift more resources to Southern Nevada in order to trigger additional transmission there, in part due to the uncertainty around solar siting and the impact of the Bureau of Land Management’s proposed Western Solar Plan that will impact the area. Some additional resources may be sited in Southern Nevada through the standard mapping approach, but we will not plan a larger shift at this time.”</p>	<p>GLW is not requesting that the CPUC map additional resources to Southern Nevada. GLW requests to not shift resources out of SNV and RESOLVE’s ideal portfolio:</p> <ul style="list-style-type: none">✓ <u>14.2 GW of projects</u> remain in GLW queue despite the PEIS and <u>16.5GW of total projects are in the GLW footprint</u>✓ Most projects in GLW queue which were not cluster 14 are partially exempt from the PEIS and continuing development✓ Ability for continued renewables development on private land or north of GLW in Esmerelda which offers another <u>21GW</u>

BLM permitting paths remain valid for both GLW’s transmission projects as well as interconnecting solar projects within Southern Nevada

SNV Renewables on GLW's system unaffected by WSP

