

March 5, 2025

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Subject: Horizon West Transmission Annual Progress Report

In accordance with the Western Electricity Coordinating Council (WECC) Progress Report Policies and Procedures, the following is HWT's 2025 Annual Progress Report for transmission and generation facility additions and changes on the Bulk Electric System (BES).

A. North Gila – Imperial Valley #2 500 kV - CAISO 2022-2023 TPP

Description: As part of their 2022-2023 Transmission Plan (TPP), the California Independent System Operator (CAISO) approved the North Gila – Imperial Valley #2 project for competitive solicitation. The North Gila – Imperial Valley #2 project was awarded to Horizon West Transmission in April 2024 and consists of an 82-mile overhead 500 kilovolt (kV) single circuit line in South-East California. The line is expected to achieve a minimum summer normal rating of 2857 A (2474 MVA @ 500 kV). Final rating will be developed during project engineering.

The project was originally in development by NGIV2, LLC and initiated a WECC Project Coordination Review process on April 7th, 2011. The Project completed the WECC Path Rating Phase 2B on July 7th, 2019 and received an Accepted Rating on September 5, 2019. As part of the change in Sponsor, Horizon West Transmission will continue the WECC Path Rating process.

A one-line diagram for the Southern California System is depicted in Figure 1. The diagram shows the complete Southern Area Reinforcement Project including the proposed Imperial Valley – North of Songs line and substation (green arrow).

Planned Operating Date: The project Expected In-Service Date is December 2031.

Project Status: Project in Engineering and Procurement phase.

B. Imperial Valley – North of Songs #1 500 kV – CAISO 2022/2023 TPP

Description: As part of their 2022-2023 Transmission Plan (TPP), the California Independent System Operator (CAISO) approved the Imperial Valley – North of Songs #1 project for competitive solicitation. The Imperial Valley – North of Songs #1 project was awarded to Horizon West Transmission in April 2024 and consists of:

- New 135-mile overhead route single circuit 500 kV line. The line is series compensated to achieve a combined impedance of (line impedance + series compensation) of $0.001523 + j0.02088$ pu (100 MVA base), plus/minus 5 percent per CAISO specifications. The line is expected to achieve a minimum summer normal rating of 3800 A (3290 MVA @ 500 kV). Final rating will be developed during project engineering.
- New North of SONGS 500/230 kV Substation. The new North of SONGS 500/230 kV substation will loop in the adjacent San Onofre – Santiago 230 kV #1 and # 2 Lines and the San Onofre – Viejo 230 kV Line. The substation includes three 1125 MVA transformers, eight 500 kV circuit breakers and fourteen 230 kV circuit breakers as part of the initial design. In addition, the North of Songs - Serrano 500 kV line will terminate at the new HWT North of Songs station.

A one-line diagram for the Southern California System is depicted in Figure 1. The diagram shows the complete Southern Area Reinforcement Project including the proposed Imperial Valley – North of Songs line and substation (purple arrow).

Planned Operating Date: The project Expected In-Service Date is October 2032.

Project Status: Project in Engineering and Procurement phase.

As requested in the WECC Progress Report Process, questions and comments regarding HWT's 2025 Annual Progress Report can be directed to:

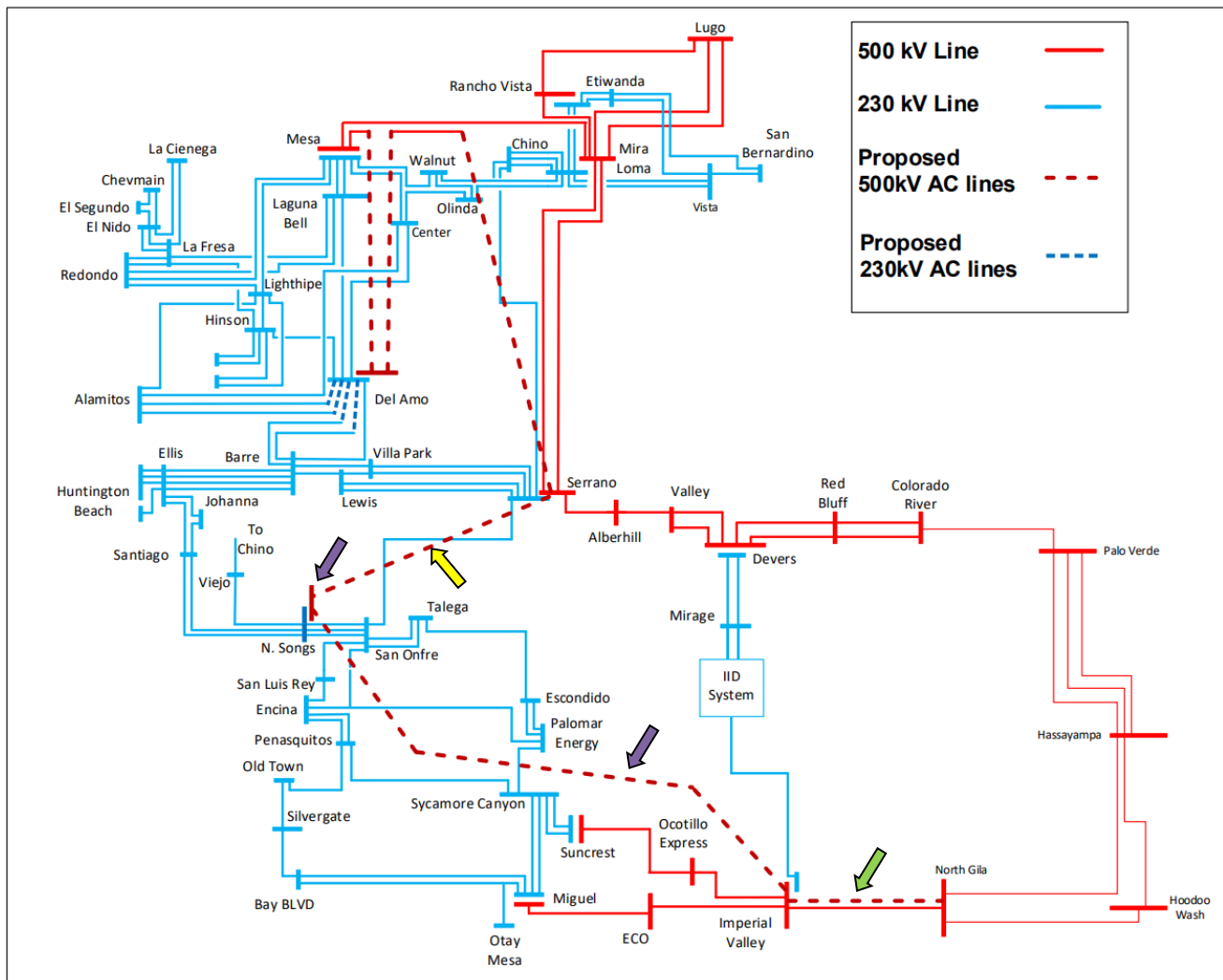
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FIGURE 1: SOUTHERN AREA REINFORCEMENT PROJECT ONE-LINE DIAGRAM¹



Sincerely,

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Cc:

STS Members

WECC Staff

¹ <https://www.caiso.com/documents/iso-board-approved-2022-2023-transmission-plan.pdf>