



February 28, 2025

Studies Subcommittee Members, STS@wecc.biz

Philip Augustin, Philip.Augustin@srpnet.com, StS Chair

Doug Tucker, WECC Staff Liaison, dtucker@wecc.biz

Subject: SDG&E 2024 Annual Progress Report to RAC StS for Major Transmission and Generation Projects

Dear Philip and Doug:

San Diego Gas & Electric Company (SDG&E) is submitting the following annual progress report for our major transmission projects in accordance with the reporting guidelines in the WECC Progress Report Policies and Procedures:

NEW PROJECTS

In this section of the report, SDG&E reports new applicable transmission projects where SDG&E is the Interconnecting Utility per the "WECC Progress Report Policies and Procedures". All of these projects are already modelled in the latest WECC base case.

1. Short Circuit Mitigation for Imperial Valley 230 kV Circuit Breakers Project

The project involves the following:

- Install two sets of 10-Ohm Current Limiting Reactors (CLRs) in series with the 230 kV buses, one on each bus;
- One CLR will be operated normally open; and
- Rearrange 230 kV transmission lines and move TL23043 Imperial Valley - Westside Canal, TL23066 Imperial Valley – Drew, and IID owned S-Line Imperial Valley – Wixom SS to the west buses.

2. Short Circuit Mitigation for Miguel 230 kV Circuit Breakers Project

The recommended project involves the following:

- Open Miguel 230 kV CB 6X;
- Operate TL23042C Miguel – Miguel 6X Tap normally open;
- Modify TL 23041 / TL 23042 RAS to consider Miguel CB 6X status and upgrade RAS panel; and
- Install a 3-Ohm series reactor on TL23026 Silvergate – Bay Boulevard 230 kV line which will be located at Bay Boulevard substation.



UPDATES TO PROJECTS REPORTED IN THE PAST YEARS

In this section of the report, SDG&E provides implementation status updates for those projects that have already been granted the waivers of “significant transmission project”.

1. Miguel-Sycamore Canyon 230 kV line Loop-in to Suncrest Project

There are no changes to the original anticipated in-service date (2032)

2. Imperial Valley–North of SONGS 500 kV Line and Substation

There are no changes to the original anticipated in-service date (2032)

3. North Gila–Imperial Valley 500 kV line

There are no changes to the original anticipated in-service date (2032)

4. Rearrange TL23013 PQ-OT and TL6959 PQ-Mira Sorrento

There are no changes to the original anticipated in-service date (6/1/2032)

5. 3 ohm series reactor on Sycamore-Penasquitos 230 kV line

The original 2032 in-service date has been moved to 6/2/2026. Construction will start in October of this year.



INFORMATION ONLY – APPLICABLE GENERATION PROJECTS

The following generation projects, owned by 3rd parties, were approved by the CAISO to connect with the SDG&E transmission system. Due to the confidential nature of the ownership information, the following list is for your information only.

The generation projects listed below are not in-service as of the date of this report.

Queue Position	Type-1	Type-2	MW-1	MW-2	Net MWs to Grid	Station or Transmission Line	Current On-line Date
1166	Storage		200		200	Imperial Valley Substation 230 kV	4/30/2025
1429	Wind Turbine		400		400	Suncrest - Ocotillo 500 kV Line	2/5/2031
1435	Photovoltaic	Storage	250	250	250	Hoodoo Wash Switchyard 500 kV	3/6/2026
1531	Storage		350		350	Imperial Valley Substation 230 kV	4/15/2025
1657	Storage		200		200	Talega Substation 138 kV	3/15/2025
1660	Wind Turbine		352.5		300	East County Substation 230 kV	12/31/2025
1670	Storage		200		200	Silvergate Substation 230 kV	1/30/2025
1673	Storage		300		300	Sycamore Canyon Substation 138 kV	3/31/2025
1810	Storage		312.96		300.01	Otay Mesa Switchyard 230 kV	6/25/2027

WAIVER OF “SIGNIFICANT IMPACT” STATUS

SDG&E requests a waiver of “Significant Impact” status for the following projects:

1. Short Circuit Mitigation for Imperial Valley 230 kV Circuit Breakers Project

- a. Project name: see above
- b. Project purpose: Reliability project per CASO TPP
- c. Brief Project description, including expected termination points:
 - The project involves the following:
 - Install two sets of 10-Ohm Current Limiting Reactors (CLRs) in series with the 230 kV buses, one on each bus;
 - One CLR will be operated normally open; and
 - Rearrange 230 kV transmission lines and move TL23043 Imperial Valley -Westside Canal, TL23066 Imperial Valley – Drew, and IID owned S-Line Imperial Valley – Wixom SS to the west buses.
 - i. Expected date of release to operations: June 2035
- d. Expected operating voltage: 230kV
- e. Description of how the Project, has been coordinated through a transmission planning forum: Please see CAISO TPP approval - <https://stakeholdercenter.caiso.com/InitiativeDocuments/Draft-Addendum1-2023-2024-Transmission-Plan.pdf>



2. Short Circuit Mitigation for Miguel 230 kV Circuit Breakers Project

- a. Project name: see above
- b. Project purpose: Reliability project per CASO TPP
- c. Brief Project description, including expected termination points:
 - The recommended project involves the following:
 - Open Miguel 230 kV CB 6X;
 - Operate TL23042C Miguel – Miguel 6X Tap normally open;
 - Modify TL 23041 / TL 23042 RAS to consider Miguel CB 6X status and upgrade
 - RAS panel; and
 - Install a 3-Ohm series reactor on TL23026 Silvergate – Bay Boulevard 230 kV line which will be located at Bay Boulevard substation.

Expected date of release to operations: June 2035

- d. Expected operating voltage: 230kV
- e. Description of how the Project, has been coordinated through a transmission planning forum: Please see CAISO TPP approval - <https://stakeholdercenter.caiso.com/InitiativeDocuments/Draft-Addendum1-2023-2024-Transmission-Plan.pdf>

Please feel free to contact me if you have any questions regarding the above reported projects. Thanks.

Best Regards,

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