



February 12th, 2024

Mr. Tom Carr
Chair, WECC Studies Subcommittee
Western Energy Board
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Mr. Doug Tucker
WECC Technical Staff
Western Electricity Coordinating Council
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Subject: SMUD 2024 Annual Progress Report

Dear Mr. Carr and Mr. Tucker,

In accordance with the WECC Progress Report Policies and Procedures, the following is Sacramento Municipal Utility District (SMUD) 2024 Annual Progress Report on additions and changes to the SMUD transmission system based on previous years' WECC Annual Progress Reports. The new facility additions and planned system operation are in conformance with NERC Standards and WECC System Perform Criteria. All new projects do not have regional impacts to the WECC Interconnected System and SMUD requests these new projects for a Waiver of "Significant Impact" Status.

I. New Project:

1. Country Acres Generation Project

Country Acres Generation Project is a 344 MW solar combined with 172MW battery hybrid generation power plant with 344MW power output at the Point of Interconnection (POI). The Country Acres project will be interconnected through a new 230 kV switch station and the SMUD's Elverta – Foothill and Elverta – Orangevale 230 kV lines would be looped

into the new 230 kV switch station. This project has a proposed commercial operation date of December, 2026.

Roseville Electric and Western Area Power Administration, Sierra Nevada Region (WAPA-SNR) claimed as affected system entities. The third-party affected system impact studies were performed by WAPA-SNR. The study and evaluation from Roseville Electric and WAPA-SNR concluded the additional Country Acres project will not result in any adverse impact to the Roseville Electric and WAPA transmission system.

2. Solano 4 Wind Generation Project

The Solano 4 Wind Project is a proposed 90.8MW Wind Generation project located in Birds Landing with a Point of Interconnection to the PG&E's Birds Landing 230 kV substation. The existing Solano Wind Projects includes Solano 2 and Solano 3 Wind Projects which have a total of 230MW capacity at POI located at the same location as the Solano 4 Wind Project in Birds Landing. The Solano 4 project has a proposed commercial operation date of May, 2024. However, the total POI MW output at the Birds Landing 230kV substation will still be limited to 230MW due to PG&E's facility limitation until May 2025 when the required PG&E Contra Costa substation modification is completed. After May 2025, a maximum of 320.8MW wind power output from Solano Wind power plant is expected at the POI of Birds Landing 230kV substation.

California Department of Water Resource (CDWR), Turlock Irrigation District (TID) and Western Area Power Administration, Sierra Nevada Region (WAPA-SNR) claimed as affected system entities. The assessment and evaluation from CDWR, TID and WAPA-SNR concluded the additional Solano 4 wind project will not result in any adverse impact to their transmission system.

3. Elverta (El Rio) 230kV Substation Rebuild and Expansion

The proposed in-service date of this project is December of 2026. The scope of this project includes followings:

- Upgrading 230kV bus configuration from "Single bus and Single break" to SMUD's standard of Breaker-and-a-Half (BAAH) bus configuration.
- Replacing the existing 230/115 kV transformer (TX2) at Elverta substation with a larger transformer bank of a 250 MVA rating.
- Installing a second 224 MVA, 230/69kV transformer (TX3) at Elverta Bulk substation and associated 69kV line work. In addition, completing the 69kV breaker replacement project which includes expanding the control building and relocating the 69kV bus.

The name of the Elverta 230kV Substation will be changed to El Rio 230kV Substation. SMUD requests a waiver of "Significant Impact" status for this project because studies concluded this project does not impact any other entity's transmission system or any WECC transfer paths. This project is intended to provide additional transmission capacity to serve the projected load growth and new renewable resource in the SMUD service territory.

II. Delayed Project

Sacramento Valley Energy Center (Coyote Creek) Generation Project

The Sacramento Valley Energy Center (SVEC) Generation Project, now the name is changed to Coyote Creek Generation Project, is a 200MW solar combined with 100MW Battery Storage hybrid power plant with 250MW power output at the Point of Interconnection. The project will be interconnected through a new 230 kV switch station and the SMUD's Cordova-Lake 230 kV line would be looped into the new 230 kV switch station. The Coyote Creek Generation project has an original proposed in-service date of December, 2024. The new proposed in-service date has been delayed to Spring of 2027.

If you have any questions, please call me at (916)221-1634 or via e-mail at Janice.zewe@smud.org.

Sincerely,

Janice Zewe, StS member
Manager, Transmission Planning
Transmission Planning & Operations, SMUD