



TRANSCANYON

Robert Smith
Transmission Planning Consultant

January 3, 2024

Mr. Tom Carr
Chair, WECC Reliability Assessment Committee Studies Subcommittee

Mr. Doug Tucker
WECC Technical Staff
155 North 400 West, Suite 200
Salt Lake City, UT 84103-1114

Re: TransCanyon 2024 Annual Progress Report

In accordance with the reporting guidelines established by the WECC Reliability Assessment Committee or its predecessor and those outlined in Section 5 of the Project Coordination, Path Rating and Progress Report Processes, progress on the Cross-Tie transmission project sponsored by TransCanyon for the 2024-2033 periods is being reported.

All facility additions listed herein will be planned and operated in conformance with NERC Planning Standards and WECC System Performance Criteria. If you have any comments or questions about any of the above projects, please contact me.

Sincerely,

Robert Smith

Cross-Tie Project (2028)

A. Project Description

Project Name:	Cross-Tie
Participants:	TransCanyon
Status:	The Cross-Tie Project's Project Review Group approved the Phase 2B Report on December 1, 2022, and the Cross-Tie Project achieved Phase 3 status on January 17, 2023, with an accepted bidirectional rating of 1500 MW. TransCanyon filed an SF299 with the BLM in June 2016. The projected in-service date is 2028. The Project was submitted in March 2016, March 2018, and March 2020 as an Interregional Transmission Project to NTTG (Northern Grid in 2020) and WestConnect. In May of 2021 the PRG was renewed and during June through October of 2021 the study plan and bases to use during the Phase 2B analysis were updated. The Phase 2B simultaneous analysis began during November of 2021 and was completed during November 2022. In October 2023 Cross-Tie was selected by the DOE for a capacity contract under the Transmission Facilitation Program. In November 2023 the BLM issued a Draft Environmental Impact Statement for the project and a Final Environmental Impact Statement is anticipated in the third quarter of 2024.
Operating Voltage:	525kV
Point of Origin:	Planned Clover 500kV switching station (PacifiCorp)
Point of Termination:	Robinson Summit 500kV switching station (NV Energy)
Project Purpose:	Significantly strengthen the transmission system between PACE and NVE. Provide for transfer of high-capacity renewable resources from Wyoming and Utah to Nevada and California and for transfer of excess solar resources from California to Utah and Wyoming.
Facilities:	213 miles of lattice tower 3-1272 ACSR conductor 525kV transmission line. 50% total series compensation split between Clover and Robinson Summit. A 180 MVar shunt reactor at each end of line.

B. Studies

In July of 2017, TransCanyon completed a study (TransCanyon Cross-Tie Transmission Project WECC Path Rating Studies and Comprehensive Progress Report (Phase 1)) which was

distributed to the PCC, TSS and later to the RAC and StS. After the 60-day review period and an additional two weeks for review by the newly formed RAC and StS, the Cross-Tie Project was granted Phase 2a status. The Cross-Tie Project's Project Review Group approved Phase 2B status with a planned bidirectional rating of 1500 MW on January 31, 2019. In May of 2021 the PRG was renewed and during June through October of 2021 the study plan and cases to use during the Phase 2B analysis were updated. The Phase 2B simultaneous analysis began during November of 2021 and on December 1, 2022, the PRG approved the Cross-Tie Project Phase 2B Report. On December 7, 2022, WECC sent the report to other WECC members for a 30-day review as proof of conformance to the Path Rating Process. No comments were received during the review period and the Cross-Tie Project achieved Phase 3 status on January 17, 2023 with an accepted bidirectional rating of 1500 MW.

C. Impact on Other Systems

The Phase 2B simultaneous analysis began during November of 2021 and was completed during November 2022. Simultaneous studies were performed between the Cross-Tie Project and the following existing and planned paths:

- Path 14 (Idaho – Northwest)
- Path 15 (Midway – Los Banos)
- Path 16 (Idaho – Sierra)
- Path 17 (Borah West)
- Path 20 (PATH C (Post Gateway)
- Path 24 (PG&E – Sierra)
- Path 28 (Intermountain – Mona 345KV)
- Path 32 (Pavant – Gonder 230KV; Intermt – Gonder 230KV)
- Path 35 (TOT2C)
- Path 66 (CA/OR Intertie)
- Path 75 (Hemingway – Summer Lake)
- Path 78 (TOT2B1)
- Path 79 (TOT2B2)
- TWE AC+DC Project (Phase 3)
- SWIP-S (Phase 2)

Doug Tucker and Philip Augustin
January 3, 2024

The only path where interactions needing mitigation were found was Path 35 and an operating nomogram was developed to mitigate this interaction.