<Public>

January 9, 2025

Ms. Eepsita Priye, Chair
WECC Studies Subcommittee
Western Energy Board

Mr. Doug Tucker
Senior Staff Engineer
Western Electricity Coordinating Council

2025 Annual Progress Report
Tri-State Generation and Transmission Association

In accordance with WECC reporting requirements, the following Annual Progress Report is submitted by Tri-State Generation and Transmission Association. This report includes updates to previously reported projects, initial progress reports for new projects, and descriptions of projects for which Tri-State requests waivers of Significant Project Status.

San Luis Valley-Poncha 230 kV Line Project (previously San Luis Valley-Carson 230kV Line Project and San Luis Valley-Calumet-Comanche Transmission Project) (2013 Waiver Granted)

This project consists of a new 230 kV transmission line from the existing San Luis Valley Substation to the existing Poncha Substation. This project is under re-evaluation through sub-regional planning groups and the projected in-service date for this project is TBD.

Burlington – Lamar 230 kV Line (2022 Waiver Granted)

This project consists of a new 230 kV transmission line from the existing Burlington Substation to the existing Lamar (Tri-State) Substation. This project was coordinated in the Colorado Coordinated Planning Group via the Responsible Energy Plan Task Force. This project is needed for local reliability and renewable energy development purposes. The projected in-service date is February 2025, final stages of the construction process have begun.

Boone – Huckleberry 230 kV Line (2022 Waiver Granted)

This project consists of a new 230 kV transmission line from the existing Boone Substation to a new Huckleberry Substation, which will sectionalize the existing Comanche – Walsenburg 230 kV line near Comanche Substation. This project was coordinated in the Colorado Coordinated Planning Group via the Responsible Energy Plan Task Force. This project is needed for local reliability and renewable energy development purposes. The projected in-service date is 2026.

Badger Creek – Big Sandy 230 kV Line (2022 Waiver Granted)

This project consists of a new 230 kV transmission line from the existing Big Sandy Substation to a new Badger Creek Substation, which will sectionalize the existing Henry Lake – Story 230 kV line. This project was coordinated in the Colorado Coordinated Planning Group via the Responsible Energy Plan Task Force. This project is needed for local reliability and renewable energy development purposes. The projected in-service date is 2028.

Big Sandy – Burlington 230 kV Line Uprate (2022 Waiver Granted)

This project consists of structure replacements and/or modifications along the existing Big Sandy – Windtalker – Landsman Creek – Burlington 230 kV line to improve the line rating. This project was

coordinated in the Colorado Coordinated Planning Group via the Responsible Energy Plan Task Force. This project is needed for local reliability and renewable energy development purposes. The projected in-service date is 2027.

Crosspoint 230 kV Substation (2023 Waiver Granted)

This project consists of a new 230 kV Crosspoint Substation, which will sectionalize the existing Lincoln – Midway 230 kV line. This project is needed to improve load-serving capability and create a new delivery point, and is not expected to have significant impact to the reliability of the WECC interconnected system. The projected in-service date is 2026.

Milk Creek 345 kV Substation (2024 Waiver Granted)

This project consists of a new 345 kV Milk Substation, which will sectionalize the existing Craig – Meeker 345 kV line. This project is needed to interconnect a 145 MW generator, and is not expected to have significant impact to the reliability of the WECC interconnected system. The projected in-service date is February 2025, final stages of the substation construction process have begun.

Valent 230 kV Substation (2024 Waiver Granted)

This project consists of a new 230 kV Valent Substation, which will sectionalize the existing Gladstone – Walsenburg 230 kV line. This project is needed to interconnect a 100 MW generator and a 40 MW generator, and is not expected to have significant impact to the reliability of the WECC interconnected system. The substation went into service May 2024, and the associated generation achieved commercial operations December 2024.

Initial Progress Reports and Request for Waiver

The following projects are being submitted in accordance with WECC reporting requirements for new projects. Tri-State requests a waiver of Significant Project Status for the following projects:

- Boone – Lamar 230 kV Reconductor

Appendix A of this report contains the project descriptions, planned operating dates, project schedules, and other requested information. The project does not increase capacity or significantly alter flows, it is not expected to have any significant impact to the reliability of the WECC interconnected system.

Generation Progress Reports

The following Generation resources (200 MW or greater) in Table 1 went into service in 2024 or are planned to be in-service between 2025 and 2027.

Project Name	Point of Interconnection	Owner	Net MW	Type	ISD
Escalante	Escalante 230kV	Turning Point	200	Solar	April 2024

Please feel free to contact me if you have any questions.

Regards,

Curt Feinberg, P.E.
Planning Engineer

Tri-State Generation and Transmission Association
curt.feinberg@tristategt.org

CC: StS

2025 Annual Progress Report
Tri-State Generation and Transmission Association

Appendix A: Initial Progress Reports and Request for Waiver

<Public>

Tri-State Generation and Transmission Association
2025-2035 Transmission Plan
Boone – Lamar 230 kV Reconductor

Project Sponsor:	Tri-State Generation and Transmission Association
Additional Project Participants:	Public Service Company of Colorado (PSCo)
Project Description:	Reconductor 99 miles of 230 kV single circuit line from Boone-Lamar, replacing the existing 1272 SD wire with 1272 45/7 ACSR "Bittern" conductor. Modification to existing structures as necessary to support the new conductor.
Voltage Class:	230 kV
Facility Rating:	478 MVA (terminal limited)
Location:	Southeast Colorado, passing through Pueblo, Crowley, Kiowa, Bent, and Prowers counties
Type of Project:	Transmission Upgrade
Development Status:	Planned
Purpose of Project:	The specialized SD conductor is more expensive to maintain and has had repeated failures. Conductor will be replaced with standardized ACSR conductor.
Project Driver (Primary):	Transmission Reliability
Estimated Cost (in 2024 Dollars):	$26,400,000 (44% Tri-State, 56% PSCo)

Schedule:

Construction Date:	
Planned In-Service Date:	2027
Regulatory Info:	CPCN to be requested (project coordinated with joint owner PSCo)
Regulatory Date:	
Permitting Info:	
Permitting Date:	

Contact Information:

Curt Feinberg	
Email	curt.feinberg@tristategt.org
Phone	303-254-3430