

Tri-State Generation and Transmission Association 2014-2023 Transmission Plan

Pueblo West Tap Line Uprate

Project Sponsor:	Tri-State Generation and Transmission Association
Additional Project Participants:	
Project Description:	Upgrade existing 115 kV line conductor
Voltage Class:	115 kV
Facility Rating:	125 MVA
Point of Origin/Location:	West Station
Point of Termination:	Pueblo West Tap
Intermediate Points:	
Length of Line (in Miles):	0.5 Miles
Type of Project:	Transmission Line
Development Status:	Under Construction
Routing:	
Subregional Planning Group:	CCPG
Purpose of Project:	Reliability, eliminate overloading of existing line for NERC category B contingency
Estimated Cost (in 2013 Dollars):	\$500,000
Schedule:	
Construction Date:	2013
Planned In-Service Date:	2014
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
Contact Information:	Matthew Haag
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Pueblo West Tap Line Uprate Project

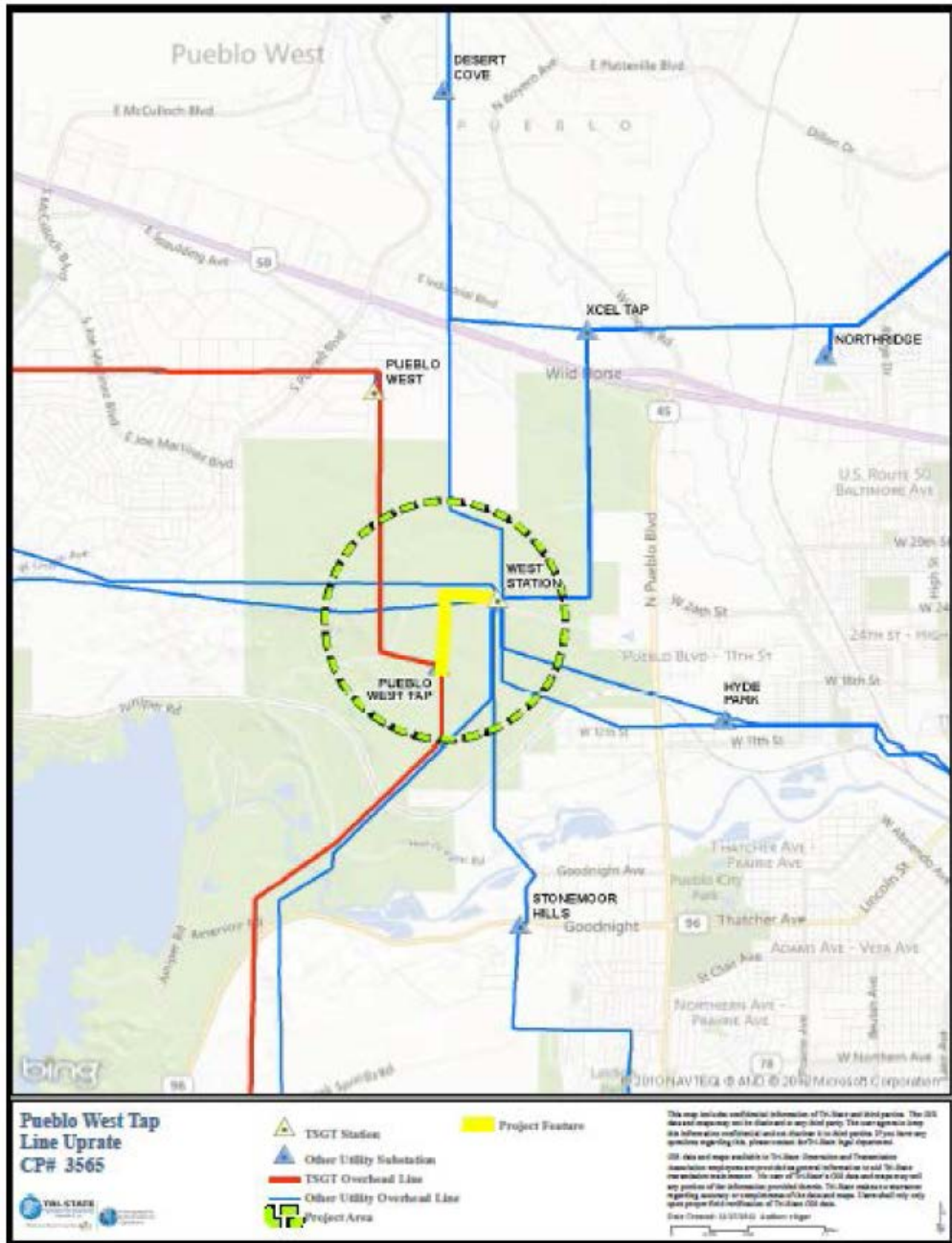


Figure 12: Pueblo West Tap Line Uprate Project Map

Tri-state’s annual transmission assessment indicated that even with the Comanche – Walsenburg RAS, thermal overload conditions could occur on the Pueblo West Tap – West Station 115 kV line for the loss of Comanche-Walsenburg 230 kV, which is a category B contingency. In order to mitigate the overloading conditions for this contingency, the line rating for the Pueblo West Tap – West Station 115 kV line needs to be up-rated from 95 MVA, 463 amps to 130 MVA, 653 amps.

The project will consist of rebuilding approximately 0.3 miles of existing 115 kV transmission line to increase the existing line rating from 95 MVA, 463 amps to 130 MVA, 653 amps.