

Boone-Nyberg 115 kV Project

Project Sponsor:	Black Hills Colorado Electric
Additional Project Participants:	
Project Description:	Rebuild existing Boone-DOT Tap-Nyberg 115 kV line and add a new parallel circuit on double circuit structures.
Voltage Class:	115 kV
Facility Rating:	221 MVA
Point of Origin/Location:	Boone 115 kV
Point of Termination:	Nyberg 115 kV
Intermediate Points:	DOT Tap 115 kV load tap
Length of Line (in Miles):	9
Type of Project:	Transmission Line
Development Status:	In-service
Routing:	
Subregional Planning Group:	CCPG
Purpose of Project:	Increase reliability
Estimated Cost (in 2016 Dollars):	\$8.7 Million
Schedule:	
Construction Date:	2015
Planned Completion/In-Service Date:	October 2016
Regulatory Info:	Approved - Colorado PUC: Decision No. C13-0879
Regulatory Date:	July 26, 2013
Permitting Info:	
Permitting Date:	
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This project was identified as the preferred alternative to adding a second 230/115 kV transformer at PSCo's Boone substation in late 2012. The 'Second Boone 230/115 kV Transformer' project was subsequently cancelled.

This project consisted of rebuilding the existing 9 mile segment of 115 kV line between the Boone 115 kV substation and the Nyberg 115 kV substation, as well as adding a second 115 kV circuit between the aforementioned substations. The project placed the new line and the rebuilt line on double circuit monopole steel structures, and was located within the existing right-of-way. Both lines utilized 795 kcmil 26/7 Strand ACSR "Drake" conductor. The project was not designed for future 230 kV operation.

The total estimated cost for the project was \$8.7M, which is a \$1.3M reduction from the previous estimate. The overall project was completed and placed into service on October 2016. In 2013 the Colorado Public Utilities Commission found that the project was in the ordinary course of business and that a CPCN was not necessary.

