

# Fountain Lake 115/69 kV Substation

<b>Project Sponsor:</b>	Black Hills Colorado Electric
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	New 115/69 kV substation at Belmont Tap on the West Station - Overton 69 kV line.
Voltage Class:	115 kV
Facility Rating:	80 MVA
Point of Origin/Location:	Fountain Lake 115 kV (near Pueblo, CO)
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	0
Type of Project:	Substation
Development Status:	In Service
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Additional voltage support and load growth capacity.
<b>Estimated Cost (in 2017 Dollars):</b>	\$10.5 Million
<b>Schedule:</b>	
Construction Date:	2016
Planned Completion/In-Service Date:	6/28/2017
Regulatory Info:	Approved - Colorado PUC: Decision No. C07-0553
Regulatory Date:	6/29/2007
Permitting Info:	
Permitting Date:	
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## **Fountain Lake 115 kV Substation Project**

The Fountain Lake (previously known as Overton) 115 kV distribution substation project was initially developed to address low system voltage issues by shifting load off of existing distribution lines that were near their allowable capacity. Additional benefits to the 69 kV system were identified through reduced power flow on the 115/69 kV transformers in the Pueblo area, as well as local 69 kV lines. The project provided additional operating flexibility in the area as well as help accommodate future loads in an area with good growth potential.

The scope of the project was subsequently modified to include a 115/69 kV transformer as well as the original 115/13.2 kV distribution transformer. The expanded scope provided additional operational flexibility as well as the ability to maintain reliability during potential future replacements of the West Station 115/69 kV transformers. The location of the substation was reviewed to optimize local land use as well as minimize unnecessary line crossings in the area. The project is currently planned for completion and operation in Q2 2017 at an estimated cost of \$10.5 million. There has been a slight delay in the in-service date from Q1 2017 to Q2 2017. In the 2007 decision C07-0553 the Colorado Public Utilities Commission found that the project was in the ordinary course of business and that a CPCN was not necessary.