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PUBLIC SERVICE COMPANY OF COLORADO

SENATE BILL 07-100 DESIGNATION OF ENERGY RESOURCE ZONES AND TRANSMISSION PLANNING REPORT

DOCKET NO. 09M-790 E

October 30, 2009

approximately 45 miles of new double-circuit 345kV transmission from Calumet Substation to the existing Comanche Station near Pueblo.

Status: This project was identified in both the 2008 Informational Report and in the 2018 CCPG Long Range Transmission Study Report. A San Luis – Walsenburg – Comanche transmission project was also recommended by Commission Staff in testimony in Public Service’s 2007 Colorado Resource Plan.⁷ Public Service and Tri-State are participating jointly in this project. Both companies filed applications for CPCN’s for this project on May 14, 2009. The project is planned for completion in 2013.

2. Missile Site 345kV Substation (Zone 2)

Description: The Missile Site 345kV Substation would expand the Missile Site 230kV Switching Station to allow additional generator and transmission interconnections at the 345kV voltage level. The Substation will bisect the Pawnee – Smoky Hill 345kV Transmission Project. The Missile Site 345kV Substation would allow additional generation from Zone 2. In addition to connecting the Pawnee – Smoky Hill 345kV line, the station would also allow for future 345kV transmission connections. These may include connections to a Pawnee – Daniels Park 345kV Project and connections to high voltage transmission to the south, such as to Big Sandy and Lamar.

Status: Public Service submitted a supplemental Rule 3206 filing with the Commission on September 16, 2009 for a determination of whether the project requires a CPCN. Public Service is acquiring enough land to construct the Missile Site 230kV station to allow for a future 345kV expansion. The tentative schedule has an in-service date of 2013.

3. Lamar – Front Range 345/500kV (Zone 3)

Description: The Lamar to Front Range Transmission Project could potentially consist of a minimum of two major components: a Lamar – Comanche 345kV line, and a Lamar – Burlington – Big Sandy – Missile Site 345kV line. Preliminary studies indicate that the project would accommodate additional generation in Zones 2 and 3. The project has also been identified by Tri-State as having the potential to accommodate some of their resource development plans in the region. Portions of this project could be constructed to be capable of 500kV operation to increase transfer capacity and integrate with the HPX Initiative.

Status: Public Service and Tri-State are jointly studying the project and are executing a Letter Agreement that outlines the terms for studies. A transmission study scope has been drafted and will be presented to the CCPG for approval. Studies are expected to be completed and CPCN applications filed in 2010.

⁷ See footnote 5.

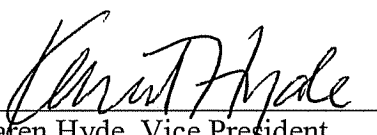
3. Lamar – Boone 230kV Transmission Uprate

Description: This plan included upgrading termination equipment at the Lamar and Boone Substations to increase the continuous rating of the line, and was conceived to allow additional generation resources in Zone 3.

Status: Since the 2007 SB 07-100 report, studies indicate that this project would not significantly increase the transfer capability of the system. This project has been superseded by the Lamar – Front Range Project.

Dated this 30th day of October, 2009.

Respectfully submitted,

By: 
Karen Hyde, Vice President
Rates and Regulatory Affairs – Colorado

CERTIFICATE OF SERVICE

I hereby certify that on this 30th day of October 2009, the original and ten (10) copies of the foregoing **"PUBLIC SERVICE COMPANY OF COLORADO'S SENATE BILL 07-100 DESIGNATION OF ENERGY RESOURCE ZONES AND TRANSMISSION PLANNING REPORT"** were hand delivered to:

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A handwritten signature in black ink, appearing to read "William Levis", is written over a horizontal line.