



Cameo-Parachute 230kV Line

Transmission

Cameo-Parachute 230kV Line

Current Forecast \$52M

Description

▪ This project consists of the construction of a Parachute-Cameo 230kV line on a new ROW. The new line will be used to serve the Debeque and Una loads that are presently served by the RifleCu-Cameo 69kV transmission line (part of the Rifle(Ute)-GrandJunction(Ute) 69kV system). The project replaces an antiquated 69kV system that is becoming more expensive to maintain and inadequate to support future load growth in the area for Xcel and Grand Valley Power.

Benefits/Projects Results In

- The project will improve reliability to the bulk transmission system and allow PSCo to serve projected load growth in the area
- The project will support the Cameo area (that will be degraded by the retirement in December 2010 of the Cameo generation facility) by providing a stronger transmission connection between the Cameo and Parachute substations
- The project mitigates contingency bus voltage violations in the area and allows for future load growth expected in the area

Risks/Comments

- RTE-1 Regional Transmission Expansion Phase 1
- Inability to serve projected gas processing load growth in the area
- May require load shed of existing load during single contingency (N-1) conditions in the area after the retirement of the Cameo generation facility
- Project may need to be expedited in order to serve load depending on customer need
- Part of a larger ultimate transmission system upgrade in the Western Slope area

Status

- Updated to reflect revised ISD (demand in area has been reduced), originally submitted as part of the 2011-15 capital budget
- Project was filed in the 2010 Rule 3206

Legal Entity	State	Start Date	In-Service Date	Construction Start
PSCo	CO	3/1/2014	12/1/2016	9/1/2015

Capital Expenditures

Prior 2011	2011	2012	2013	2014	2015	2016	Total
-	-	-	-	2,480,000	6,912,000	42,637,000	52,029,000

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Drivers/Assumptions

- Allow PSCo to serve projected load growth in the area, which recently has been reduced
- Improve system reliability
- The project will support the Cameo area (that will be degraded by the retirement in December 2010 of the Cameo generation facility) by providing a stronger transmission connection between the Cameo and Parachute substations
- The project mitigates contingency bus voltage violations in the area and allows for future load growth expected in the area
- Medium level priority (ISD 2016)
- **Project may need to be expedited in order to serve load depending on customer need**

Risks/Implications of Not Moving Forward

- Unable to meet the forecasted load requirements for the transmission retail customer
- Inability to serve projected gas processing load growth in the area
- Loss of load revenue
- May require load shed of existing load during single contingency (N-1) conditions in the area after the retirement of the Cameo generation facility
- Part of a larger ultimate transmission system upgrade in the Western Slope area

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