Appendix F

PSCo – 10 Year Transmission Projects
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# Ault-Cloverly 230/115 kV Transmission Project

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** Build approximately 20 miles of new 230/115 kV transmission and three new substations.

- **Voltage Class:** 230/115 kV
- **Facility Rating:** 220 MVA
- **Point of Origin/Location:** Ault Substation
- **Point of Termination:** Cloverly Substation
- **Intermediate Points:** Husky Substation and Graham Creek substation
- **Length of Line (in Miles):** 20.0
- **Type of Project:** Transmission Line and Substation
- **Development Status:** Planned
- **Routing:**
  - Subregional Planning Group: CCPG

**Purpose of Project:** To increase reliability, load-serving capability and resource interconnection in northeast Greeley.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):** Load-serving capability and resource interconnection

**Estimated Cost (in 2017 Dollars):** $65,000,000

**Schedule:**

- **Construction Date:** 2019
- **Planned In-Service Date:** 9/2020
- **Regulatory Info:** CPUC: Proceeding No. 17A-0146E
- **Regulatory Date:** Proceeding
- **Permitting Info:** On-going
- **Permitting Date:** 2018

**Contact Information:**

- **Email:** thomas.green@xcelenergy.com
- **Phone:** 303-571-7223
- **Website Information:** [http://www.transmission.xcelenergy.com/Projects/Colorado](http://www.transmission.xcelenergy.com/Projects/Colorado)
Avery Substation

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: New distribution substation located in Weld County. The new substation will tap Platte River Power Authority (PRPA) Ault – Cloverly – Timberline 230kV transmission line.

- Voltage Class: 230 kV
- Facility Rating: N/A
- Point of Origin/Location: Avery Substation
- Point of Termination: Avery Substation
- Intermediate Points: N/A
- Length of Line (in Miles): N/A
- Type of Project: Substation
- Development Status: Planned
- Routing: N/A
- Subregional Planning Group: CCPG

Purpose of Project: Serve load growth in the Timnath area.

- Project Driver (Primary): Reliability
- Project Driver (Secondary): N/A

Estimated Cost (in 2016 Dollars): $10,300,000

Schedule:
- Construction Date: 2018
- Planned In-Service Date: 2019

Regulatory Date: N/A
- Permitting Info: N/A
- Permitting Date: N/A

Contact Information:
- Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: http://www.transmission.xcelenergy.com/Projects/Colorado
Avon - Gilman 115 kV Transmission Line

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** New 115 kV line between Avon and Gilman substations. Also includes a new capacitor bank installation at Vail Substation. Line would be operated normally open but used for emergency backup.

- **Voltage Class:** 115 kV
- **Facility Rating:** 159 MVA
- **Point of Origin/Location:** Gilman Substation
- **Point of Termination:** Avon Substation
- **Intermediate Points:**
- **Length of Line (in Miles):** 10.0
- **Type of Project:** Transmission Line
- **Development Status:** Planned
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** Improve reliability of the HCEA system.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):**

**Estimated Cost (in 2016 Dollars):** $22,900,000

**Schedule:**

- **Construction Date:**
- **Planned In-Service Date:** 2022
- **Regulatory Info:** CPUC: No CPCN required for this project pursuant to Decision No. C15-0590, Proceeding No. 15M-0043E.

**Regulatory Date:**

**Permitting Info:**

**Permitting Date:**

**Contact Information:** Thomas Green

- **Email:** thomas.green@xcelenergy.com
- **Phone:** 303-571-7223

**Website Information:**
Badger Hills Substation

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** New 345/230 kV Badger Hills Substation tapping one Comanche – Daniels Park 345 kV line and one Comanche – Midway 230 kV line.

- **Voltage Class:** 345 kV
- **Facility Rating:** N/A
- **Point of Origin/Location:** Badger Hills Substation
- **Point of Termination:** Badger Hills Substation
- **Intermediate Points:** N/A
- **Length of Line (in Miles):** N/A
- **Type of Project:** Substation
- **Development Status:** Planned
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** Provide an interconnection point for future resource additions in the Comanche area.

- **Project Driver (Primary):** Resource interconnection
- **Project Driver (Secondary):**

**Estimated Cost (in 2017 Dollars):** $26,600,000

**Schedule:**

- **Construction Date:** 2019
- **Planned In-Service Date:** 2020
- **Regulatory Date:**
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:**

- **Thomas Green**  
  Email: thomas.green@xcelenergy.com  
  Phone: 303-571-7223

**Website Information:**
# Bluestone Substation

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy  
**Additional Project Participants:**  
**Project Description:**  
**Voltage Class:** Phase-I: 69 kV, Phase-II: 230 kV  
**Facility Rating:** N/A  
**Point of Origin/Location:** Phase-I: Bluestone Valley Substation  
**Point of Termination:** Phase-I: Bluestone Valley Substation  
**Intermediate Points:**  
**Length of Line (in Miles):** Substation  
**Type of Project:** Substation  
**Development Status:** Phase – I: under construction, Phase – II Conceptual  
**Routing:**  
**Subregional Planning Group:** CCPG  
**Purpose of Project:** Phase – I: improve reliability of the 69 kV system.  
Phase – II: Provide load service for PSCo and improve reliability of Grand Valley Power (GVP) customers in the area.  
**Project Driver (Primary):** Phase-I: Reliability  
**Project Driver (Secondary):** Phase-II: Load Service and Reliability  
**Estimated Cost (in 2016 Dollars):** Phase-I: $7,200,000  
Phase-2: TBD  
**Schedule:**  
**Construction Date:**  
**Planned In-Service Date:** Phase-I: 6/2018, Phase-II: TBD  
**Regulatory Info:** CPUC: No CPCN required, Decision No.C09-0681, Proceeding No.09M-392E.  
**Regulatory Date:**  
**Permitting Info:**  
**Permitting Date:**  
**Contact Information:** Tom Green  
**Email** thomas.green@xcelenergy.com  
**Phone** 303-571-7223  
**Website Information**
Cherokee-Ridge 230 kV Upgrade

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: Convert the existing Cherokee – Arvada – Russell – Ridge 115kV transmission lines to 230kV operation.

- Voltage Class: 230 kV
- Facility Rating: 359 MVA
- Point of Origin/Location: Cherokee Substation
- Point of Termination: Ridge Substation
- Intermediate Points: Arvada & Russell Substations
- Length of Line (in Miles): 10.0
- Type of Project: Transmission Line
- Development Status: Completed
- Routing:
  - Subregional Planning Group: CCPG

Purpose of Project: Reliability and load service.

- Project Driver (Primary): Reliability
- Project Driver (Secondary): 

Estimated Cost (in 2016 Dollars): $4,700,000

Schedule:

- Construction Date: 
- Planned In-Service Date: 2017
- Regulatory Info: CPUC: CPCN approved.
- Regulatory Date: 
- Permitting Info: Yes
- Permitting Date: 

Contact Information: Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: 

Glenwood Springs-Rifle 69/115 kV Upgrade

Project Sponsor:  
Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description:  
The project consists of the upgrading the Glenwood Springs – Rifle 69kV line to 115kV.

Voltage Class:  
115 kV

Facility Rating:  
191 MVA

Point of Origin/Location:  
Glenwood Substation

Point of Termination:  
Rifle Substation

Intermediate Points:  
Mitchell Creek & New Castle Substations

Length of Line (in Miles):  
26.0

Type of Project:  
Transmission Line

Development Status:  
Conceptual

Routing:

Subregional Planning Group:  
CCPG

Purpose of Project:  
Reliability and load growth

Project Driver (Primary):  
Reliability

Project Driver (Secondary):

Estimated Cost (in 2017 Dollars):  
TBD

Schedule:

Construction Date:  
TBD

Planned In-Service Date:  
TBD

Regulatory Info:  
CPUC: No CPCN required.

Regulatory Date:  
Permitting Info:  
Permitting Date:

Contact Information:

Thomas Green
Email  
thomas.green@xcelenergy.com
Phone  
303-571-7223

Website Information
Happy Canyon Substation

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** Construct a 115 kV Happy Canyon Substation tapping PSCo’s Daniels Park-Castle Rock 115 kV line to provide load service to IREA.

- **Voltage Class:** 115 kV
- **Facility Rating:** N/A
- **Point of Origin/Location:** Happy Canyon Substation
- **Point of Termination:** Happy Canyon Substation
- **Intermediate Points:**
- **Length of Line (in Miles):**
- **Type of Project:** Substation
- **Development Status:** Completed in 2016
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** Load Service for IREA load.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):**

**Estimated Cost (in 2015 Dollars):** $3,000,000

**Schedule:**

- **Construction Date:**
- **Planned In-Service Date:** 2016
- **Regulatory Info:** CPUC: No CPCN required.
- **Regulatory Date:**
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:** Thomas Green

- **Email:** thomas.green@xcelenergy.com
- **Phone:** 303-571-7223

**Website Information**
Hayden - Foidel Creek - Gore 230kV Line Tap

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: Tap the Hayden – Gorepass 230kV line at the existing Foidel Creek Substation. The Wolcott reactor project was an interim solution to address near term voltage issues, but long term alternatives will need to be identified.

Voltage Class: 230 kV
Facility Rating: N/A
Point of Origin/Location: Foidel Creek Substation
Point of Termination: Foidel creek Substation
Intermediate Points:
Length of Line (in Miles): 800ft in-and-out tap
Type of Project: Transmission
Development Status: Conceptual
Routing:
Subregional Panning Group: CCPG

Purpose of Project: Improve reliability of the Wolcott area.
Project Driver (Primary): Reliability
Project Driver (Secondary):

Estimated Cost (in 2017 Dollars): TBD

Schedule:
Construction Date: TBD
Planned In-Service Date: TBD
Regulatory Info: CPUC: CPCN required.
Regulatory Date:
Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email thomas.green@xcelenergy.com
Phone 303-571-7223
Website Information
Approximate Location of the Foidel Creek 230 kV Line Tap Project
Lamar-Front Range Project

Project Sponsor: Tri-State Generation & Transmission Inc.

Additional Project Participants: Public Service Company of Colorado/ Xcel Energy

Project Description: Two high voltage transmission paths from Lamar Substation – one from Lamar to the Comanche area and a second from Lamar to substations near Brush and/or Deer Trail.

Voltage Class: 345 kV
Facility Rating: 2000 MW
Point of Origin/Location: Lamar, CO
Point of Termination: TBD: Comanche, Story, Pawnee, Avondale, Lamar, Lamar Energy Center, Burlington, Big Sandy, Missile Site
Intermediate Points: Burlington, Big Sandy, Boone
Length of Line (in Miles): 300-350
Type of Project: Transmission Line
Development Status: Conceptual
Routing: Burlington, Big Sandy, Boone
Subregional Planning Group: CCPG

Purpose of Project: Senate Bill 07-100 Project. Improve reliability of the system in the Lamar area, increase load-serving capability and accommodate future resource interconnection.

Project Driver (Primary): Public Policy and Reliability
Project Driver (Secondary): 

Estimated Cost (in 2017 Dollars): TBD

Schedule:
- Construction Date: TBD
- Planned In-Service Date: TBD
Regulatory Info:
- Regulatory Date: TBD
Permitting Info:
- Permitting Date: TBD

Contact Information: Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website: http://www.transmission.xcelenergy.com/Projects/Colorado
Lamar-Vilas 230kV Transmission Project

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:** Tri-State Generation & Transmission Inc.

**Project Description:** Approximately 60 miles of new 230 kV transmission from the Lamar Substation to the Vilas Substation

- **Voltage Class:** 230 kV
- **Facility Rating:** 200 MW
- **Point of Origin/Location:** Lamar
- **Point of Termination:** Vilas
- **Intermediate Points:**
- **Length of Line (in Miles):** 57.0
- **Type of Project:** Transmission Line
- **Development Status:** Conceptual
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** Senate Bill 07-100 project for Energy Resource Zone 3

- **Project Driver (Primary):** Public Policy
- **Project Driver (Secondary):**

**Estimated Cost (in 2017 Dollars):** TBD

**Schedule:**
- **Construction Date:**
- **Planned In-Service Date:** TBD
- **Regulatory Info:** CPUC : CPCN required.
- **Regulatory Date:**
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:**
- **Thomas Green**
  - **Email:** thomas.green@xcelenergy.com
  - **Phone:** 303-571-7223
  - **Website Information:** [http://www.transmission.xcelenergy.com/Projects/Colorado](http://www.transmission.xcelenergy.com/Projects/Colorado)
Monument – Flying Horse 115 kV Phase Shifter

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:**
115 kV phase shifter at the Monument end of the Monument – Flying Horse 115 kV line.

- **Voltage Class:** 115 kV
- **Facility Rating:** N/A
- **Point of Origin/Location:** Monument Substation
- **Point of Termination:** Monument Substation
- **Intermediate Points:**
- **Length of Line (in Miles):**
- **Type of Project:** Transformer
- **Development Status:** Planned
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:**
Improve reliability of the Colorado Springs Utilities system.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):**

**Estimated Cost (in 2017 Dollars):** TBD

**Schedule:**
- **Construction Date:**
- **Planned In-Service Date:** 2020
- **Regulatory Info:**
- **Regulatory Date:**
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:**
Thomas Green
tomas.green@xcelenergy.com
303-571-7223

Website Information
Moon Gulch 230/13.8 kV, 50 MVA Distribution Substation

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** A new Moon Gulch Distribution Substation in Jefferson County, tapping the Plains End – Simms 230 kV line.

- **Voltage Class:** 230 kV
- **Facility Rating:** N/A
- **Point of Origin/Location:** Moon Gulch Substation
- **Point of Termination:** Moon Gulch Substation
- **Intermediate Points:**
- **Length of Line (in Miles):**
- **Type of Project:** Substation
- **Development Status:** Under Construction
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** Load growth.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):**

**Estimated Cost (in 2016 Dollars):** $1,900,000

**Schedule:**

- **Construction Date:**
- **Planned In-Service Date:** 2018
- **Regulatory Info:** CPUC: CPCN approved Decision No.C16-0054, Proceeding No. 15A-0929E.
- **Regulatory Date:** January 20, 2016
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:**

- **Email:** thomas.green@xcelenergy.com
- **Phone:** 303-571-7223

**Website Information**
NREL Substation

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: New substation tapping the Plainview – Eldorado 115kV line south of Boulder, Colorado

Voltage Class: 115 kV
Facility Rating: N/A
Point of Origin/Location: NREL Substation
Point of Termination: NREL Substation
Intermediate Points:
Length of Line (in Miles):
Type of Project: Substation
Development Status: Planned
Routing:
Subregional Planning Group: CCPG

Purpose of Project: Interconnect NREL hybrid generation facility.
Project Driver (Primary): Resource interconnection
Project Driver (Secondary):

Estimated Cost (in 2017 Dollars): $6,700,000

Schedule:
Construction Date:
Planned In-Service Date: 2019
Regulatory Info: CPUC: CPCN approved.
Regulatory Date:
Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email thomas.green@xcelenergy.com
Phone 303-571-7223
Website Information
# Parachute - Cameo 230 kV Transmission Line

**Project Sponsor:** Public Service Company of Colorado/ Xcel Energy

**Additional Project Participants:**

**Project Description:** Construct approximately 31 miles of new 230kV transmission line between the Parachute and Cameo Substations.

- **Voltage Class:** 230 kV
- **Facility Rating:** 576 MVA
- **Point of Origin/Location:** Parachute Substation
- **Point of Termination:** Cameo Substation
- **Intermediate Points:**
- **Length of Line (in Miles):** 31.0
- **Type of Project:** Transmission Line
- **Development Status:** Conceptual
- **Routing:**
- **Subregional Planning Group:** CCPG

**Purpose of Project:** To improve reliability and support future load growth in the region.

- **Project Driver (Primary):** Reliability
- **Project Driver (Secondary):**

**Estimated Cost (in 2010 Dollars):** $48,100,000

**Schedule:**

- **Construction Date:**
- **Planned In-Service Date:** TBD
- **Regulatory Info:** CPUC : CPCN required.
- **Regulatory Date:**
- **Permitting Info:**
- **Permitting Date:**

**Contact Information:**

- **Email**
  - thomas.green@xcelenergy.com
- **Phone**
  - 303-571-7223
- **Website Information**
Pawnee - Daniels Park 345 kV Transmission Project

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: 345 kV transmission from Pawnee Substation to the Daniels Park Substation. The project will also result in a new Harvest Mile Substation and a Harvest Mile – Daniels Park 345 kV line.

Voltage Class: 345 kV
Facility Rating: 1200 MVA
Point of Origin/Location: Pawnee
Point of Termination: Daniels Park
Intermediate Points: Missile Site, Harvest Mile, Smoky Hill Substations
Length of Line (in Miles): 115.0
Type of Project: Transmission Line
Development Status: Planned
Planned Routing:
Subregional Planning Group: CCPG

Purpose of Project: SB100. Project would facilitate new resources in Energy Resource Zones 1 and 2.

Project Driver (Primary): Reliability
Project Driver (Secondary): Public Policy

Estimated Cost (in 2016 Dollars): $178,000,000

Schedule:
Construction Date: 2019
Planned In-Service Date: 2019
Regulatory Info: CPUC: CPCN granted for this project in Decision No. C15-0316, Proceeding No. 14A-0287E.
Regulatory Date:
Permitting Info: Approved
Permitting Date:

Contact Information: Thomas Green
Email: thomas.green@xcelenergy.com
Phone: 303-571-7223
Website Information: http://www.transmission.xcelenergy.com/Projects/Colorado
Rifle - Parachute 230 kV Line #2

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: A second 230 kV line from Rifle Substation to Parachute Substation.
- Voltage Class: 230 kV
- Facility Rating: 576 MVA
- Point of Origin/Location: Rifle Substation
- Point of Termination: Parachute Substation
- Intermediate Points:
- Length of Line (in Miles): 20.0
- Type of Project: Transmission Line
- Development Status: Completed
- Routing:
- Subregional Planning Group: CCPG

Purpose of Project: Reliability. Project would serve regional loads.
- Project Driver (Primary): Reliability
- Project Driver (Secondary):

Estimated Cost (in 2015 Dollars): $26,300,000

Schedule:
- Construction Date:
- Planned In-Service Date: In-service
- Regulatory Date: 
- Permitting Info: No
- Permitting Date: 

Contact Information: Green, Thomas W
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: http://www.transmission.xcelenergy.com/Projects/Colorado
Rifle – Story Gulch 230 kV Transmission Line

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants: None

Project Description: Construct a single circuit 230 kV transmission line from a new substation called Story Gulch substation to the Rifle (Ute) substation

Voltage Class: 230 kV
Facility Rating:
Point of Origin/Location: Story Gulch Substation
Point of Termination: Rifle (Ute) Substation
Intermediate Points:
Length of Line (in Miles): 25
Type of Project: Transmission Line and Substation
Development Status: Conceptual
Routing:
Subregional Planning Group: CCPG

Purpose of Project: Load service.
Project Driver (Primary): Reliability
Project Driver (Secondary):

Estimated Cost (in 2010 Dollars): $24,000,000

Schedule:
Construction Date: Planned In-Service Date: TBD
Regulatory Info: CPUC: A CPCN will be required for this project pursuant to Decision No. C10-0644, Proceeding No. 10M-206E.
Regulatory Date: Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email: Thomas.green@xcelenergy.com
Phone: 303-571-7223
Website Information
Rush Creek – Missile Site 345 kV Transmission

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: Approximately 40 miles of 345 kV transmission between Missile Site Substation and a new Rush Creek 1 switching station. Approximately 50 miles of 345 kV transmission between Rush Creek 1 and Proghorn wind generation facilities.

- Voltage Class: 345 kV
- Facility Rating: 1600 MVA
- Point of Origin/Location: Rush Creek Switching Station
- Point of Termination: Missile Site Substation
- Intermediate Points:
- Length of Line (in Miles): 90
- Type of Project: Resource accommodation
- Development Status: Under Construction
- Routing: 
- Subregional Planning Group: CCPG

Purpose of Project: Accommodate the interconnection of Rush Creek and Pronghorn generation facilities.

- Project Driver (Primary): Resource interconnection
- Project Driver (Secondary):

Estimated Cost (in 2016 Dollars): $121,400,000

Schedule:

- Construction Date: 2018
- Planned In-Service Date: 2018
- Regulatory Info: CPUC: CPCN approved.
- Regulatory Date:
- Permitting Info:
- Permitting Date:

Contact Information: Thomas Green

- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: http://www.transmission.xcelenergy.com/Projects/Colorado
San Luis Valley-Poncha 230 kV Line #2

Project Sponsor: Tri-State Generation and Transmission Association

Additional Project Participants: Public Service Company of Colorado/ Xcel Energy

Project Description: Construct a second 230 kV transmission line from the San Luis Valley Substation to the Poncha Substation.

- Voltage Class: 230 kV
- Facility Rating: 631 MVA
- Point of Origin/Location: San Luis Valley
- Point of Termination: Poncha
- Intermediate Points: 
- Length of Line (in Miles): 62
- Type of Project: Transmission Line
- Development Status: Conceptual
- Routing: 
- Subregional Planning Group: CCPG

Purpose of Project: Improve reliability and load service capability of the San Luis Valley area.

- Project Driver (Primary): Reliability
- Project Driver (Secondary): 

Estimated Cost (in 2017 Dollars): TBD

Schedule:
- Construction Date: 
- Planned In-Service Date: TBD
- Regulatory Info: 
- Regulatory Date: 
- Permitting Info: 
- Permitting Date: 

Contact Information: Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: 


Thornton Substation

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: New substation tapping the Cherokee – Fair Grounds 115kV line, to serve load growth in the Thornton area of Colorado.

- Voltage Class: 115 kV
- Facility Rating: N/A
- Point of Origin/Location: Thornton Substation
- Point of Termination: Thornton Substation
- Intermediate Points: 
- Length of Line (in Miles): 
- Type of Project: Substation
- Development Status: Planned
- Routing: 
- Subregional Planning Group: CCPG

Purpose of Project: Load service

Project Driver (Primary): Reliability
Project Driver (Secondary): 

Estimated Cost (in 2017 Dollars): $24,700,000

Schedule:

- Construction Date: 2018
- Planned In-Service Date: 2019
- Regulatory Date: April 2015
- Permitting Info: Approved
- Permitting Date: 

Contact Information: Thomas Green

- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information: http://www.transmission.xcelenergy.com/Projects/Colorado
Two Basins Relocation Project

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: Relocation of three 115 kV lines exiting the North Substation.
- Voltage Class: 115 kV
- Facility Rating:
- Point of Origin/Location: North Substation
- Point of Termination: Capitol Hill Substation, California Substation and Sandown Substation
- Intermediate Points:
- Length of Line (in Miles):
- Type of Project: Transmission Line
- Development Status: Under Construction
- Routing:
- Subregional Planning Group: CCPG

Purpose of Project: Mandated by City and County of Denver Two Basins storm water drainage project.
- Project Driver (Primary): Other civil projects in the area
- Project Driver (Secondary):

Estimated Cost (in 2017 Dollars): $29,000,000

Schedule:
- Construction Date: 2017
- Planned In-Service Date: 2018
- Regulatory Info: CPUC: No CPCN required.
- Regulatory Date:
- Permitting Info:
- Permitting Date:

Contact Information: Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information
Weld – Rosedale - Milton 230 kV Transmission Line

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: Build a new 230 kV transmission line from the Tri-State Generation and Transmission’s Milton Substation to the Rosedale Substation. Also add a second 230/115 transformer at Milton substation.

- Voltage Class: 230 kV
- Facility Rating: 476
- Point of Origin/Location: Weld Substation
- Point of Termination: Milton Substation
- Intermediate Points: Rosedale Substation
- Length of Line (in Miles): 13 + 7
- Type of Project: Transmission Line
- Development Status: Conceptual
- Routing:
- Subregional Planning Group: CCPG

Purpose of Project: To increase reliability, load-serving capability and resource accommodation in northeast Greeley.

- Project Driver (Primary): Reliability
- Project Driver (Secondary): Load service and resource accommodation

Estimated Cost (in 2016 Dollars): TBD

Schedule:
- Construction Date:
- Planned In-Service Date: TBD
- Regulatory Info:
- Regulatory Date:
- Permitting Info:
- Permitting Date:

Contact Information: Thomas Green
- Email: thomas.green@xcelenergy.com
- Phone: 303-571-7223
- Website Information
Weld County Expansion Project

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: New high-voltage transmission, originating at the Ault Substation, interconnecting to the Greeley network, and terminating south of Greeley.

Voltage Class: 230 kV
Facility Rating: TBD
Point of Origin/Location: Ault Substation
Point of Termination: South of Greeley
Intermediate Points: Rosedale Substation
Length of Line (in Miles): TBD
Type of Project: Transmission Line
Development Status: Conceptual
Routing:
Subregional Planning Group: CCPG

Purpose of Project: Reliability, load and resource accommodation, and increase TOT7 path.

Project Driver (Primary): Reliability
Project Driver (Secondary): Public Policy

Estimated Cost (in 2017 Dollars): TBD

Schedule:
Construction Date:
Planned In-Service Date: TBD
Regulatory Info:
Regulatory Date:
Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email thomas.green@xcelenergy.com
Phone 303-571-7223
Website Information http://www.transmission.xcelenergy.com/Projects/Colorado
Wheeler - Wolf Ranch 230 kV Transmission Project

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: The project consists of the construction of a new 230 kV transmission line approximately 18 miles from Wheeler Substation to a new Wolf Ranch Substation to accommodate a new 50 MVA natural gas customer load. The line will also interconnect to the Middle Fork Substation.

Voltage Class: 230 kV
Facility Rating: 440 MVA
Point of Origin/Location: Wheeler Substation
Point of Termination: Wolf Ranch Substation
Intermediate Points: Middle Fork Substation
Length of Line (in Miles): 18.0
Type of Project: Transmission Line and Substation
Development Status: Conceptual
Routing:
Subregional Planning Group: CCPG

Purpose of Project: Load Service
Project Driver (Primary): Reliability
Project Driver (Secondary):

Estimated Cost (in 2015 Dollars): $17,000,000

Schedule:
Construction Date:
Planned In-Service Date: TBD
Regulatory Info: CPUC: No CPCN is required for this project pursuant to Decision No. C10-0644, Proceeding No. 10M-206E.

Regulatory Date:
Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email thomas.green@xcelenergy.com
Phone 303-571-7223
Website Information
Distribution Substations
(Barker, Wilson, Titan, Dove Valley, High Point, Stock Show, New Castle, Solterra, Superior, Sandy Creek)

Project Sponsor: Public Service Company of Colorado/ Xcel Energy

Additional Project Participants:

Project Description: New distribution substations – Barker, Wilson, Titan, Dove Valley, High Point, Stock Show, New Castle, Solterra, Superior and Sandy Creek. These substations are driven by load growth. The transmission portion of the project includes an in-and-out line tap to interconnect the new distribution substation and the associated equipment.

Voltage Class: Various
Facility Rating: N/A
Point of Origin/Location: corresponding distribution Substation
Point of Termination: corresponding distribution Substation
Intermediate Points:
Length of Line (in Miles):
Type of Project: Substation
Development Status: Barker, Titan, Dove Valley, High Point, Stock Show – Planned New Castle, Solterra, Superior, Sandy Creek, Wilson - Conceptual

Purpose of Project: Load service.

Project Driver (Primary): Reliability
Project Driver (Secondary): 

Titan, Dove Valley, High Point, Stock Show, Solterra, Superior, Sandy Creek - TBD

Schedule:
Construction Date: 
Planned In-Service Date: Barker, Titan, Dove Valley, High Point, Stock Show – 2022 New Castle, Solterra, Superior, Sandy Creek, Wilson - TBD

Regulatory Info:
Regulatory Date:
Permitting Info:
Permitting Date:

Contact Information: Thomas Green
Email thomas.green@xcelenergy.com
Phone 303-571-7223
Website Information