

# Appendix G

## Colorado Springs Utility Projects Summary

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## Nixon-Kelker 230 kV Line Uprate

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	Increase clearance on Nixon-Kelker 230 kV line to increase facility rating on the line.
Voltage Class:	230 kV
Facility Rating:	495 MW
Point of Origin/Location:	Nixon Substation
Point of Termination:	Kelker Substation
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Transmission
Development Status:	In construction
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Increase Facility Rating
<b>Estimated Cost (in 2021 Dollars):</b>	\$0.2 million
<b>Schedule:</b>	
Construction Date:	2020
Planned Completion/In-Service Date:	2024
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
<b>Contact Information:</b>	Jeffrey Hanson
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## North System Improvements

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	Briargate Sub Expansion and 230/115kV Autotransformer Intercept Fuller-Cottonwood 230kV Line Fuller-Cottonwood Line Uprate
Voltage Class:	230 kV
Facility Rating:	495 MW
Point of Origin/Location:	Fuller Substation
Point of Termination:	Cottonwood Substation
Intermediate Points:	Briargate Substation
Length of Line (in Miles):	
Type of Project:	Substation, Transformer, Transmission
Development Status:	In-Service
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Reliability
<b>Estimated Cost (in 2024 Dollars):</b>	\$11.0 million
<b>Schedule:</b>	
Construction Date:	2022
Planned Completion/In-Service Date:	2023
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
<b>Contact Information:</b>	Jeffrey Hanson
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## South System Improvements

**Project Sponsor:** Colorado Springs Utility  
**Additional Project Participants:**  
**Project Description:** Midway-Kelker 230kV Transmission Line

Voltage Class: 230 kV  
Facility Rating: 600 MW  
Point of Origin/Location: Midway Substation  
Point of Termination: Kelker Substation  
Intermediate Points:  
Length of Line (in Miles):  
Type of Project: Transmission  
Development Status: Planned  
Routing:  
Subregional Planning Group: CCPG

**Purpose of Project:** New Transmission Line

**Estimated Cost (in 2024 Dollars):** \$71.0 million

**Schedule:**

Construction Date: 2025  
Planned Completion/In-Service Date: 2027  
Regulatory Info:  
Regulatory Date:  
Permitting Info:  
Permitting Date:

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## Central System Improvements

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	New Kelker-South Plant 115kV Line Rebuild Kelker Substation to Full Breaker and a Half (230 and 115kV)
Voltage Class:	230 and 115 kV
Facility Rating:	N/A
Point of Origin/Location:	Kelker Substation
Point of Termination:	South Plant Substation
Intermediate Points:	
Length of Line (in Miles):	7
Type of Project:	Substation / Transformer / Transmission
Development Status:	Planned
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Reliability
<b>Estimated Cost (in 2024 Dollars):</b>	\$134 million
<b>Schedule:</b>	
Construction Date:	2023
Planned Completion/In-Service Date:	2027
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
<b>Contact Information:</b>	Jeffrey Hanson
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## Flying Horse Flow Mitigation

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	Install Series Reactor on Flying Horse-Monument 115kV Line Section to Mitigate Inadvertent Power Flows
Voltage Class:	115 kV
Facility Rating:	N/A
Point of Origin/Location:	Flying Horse Substation
Point of Termination:	South Plant Substation
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Substation / Transmission
Development Status:	Planned
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Reliability
<b>Estimated Cost (in 2024 Dollars):</b>	\$3.4 million
<b>Schedule:</b>	
Construction Date:	2023
Planned Completion/In-Service Date:	2024
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
<b>Contact Information:</b>	Jeffrey Hanson
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## Fuller Transformer

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	Fuller 230/12.5kV Power Transformer Addition
Voltage Class:	230/12.5 kV
Facility Rating:	37 MW
Point of Origin/Location:	Fuller Substation
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Transformer
Development Status:	Planned
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Load Serving
<b>Estimated Cost (in 2024 Dollars):</b>	\$14.6 million
<b>Schedule:</b>	
Construction Date:	2022
Planned Completion/In-Service Date:	2024
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
<b>Contact Information:</b>	Jeffrey Hanson
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## Horizon Substation and Transformer

**Project Sponsor:** Colorado Springs Utility  
**Additional Project Participants:**  
**Project Description:** New Horizon Substation and Transformer Addition

Voltage Class: 230/12.5 kV  
Facility Rating: 37 MW  
Point of Origin/Location: Horizon Substation  
Point of Termination:  
Intermediate Points:  
Length of Line (in Miles):  
Type of Project: Substation, Transformer, Transmission  
Development Status: Planned  
Routing:  
Subregional Planning Group: CCPG

**Purpose of Project:** Load Serving

**Estimated Cost (in 2024 Dollars):** \$47.4 million

### Schedule:

Construction Date: 2022  
Planned Completion/In-Service Date: 2024

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

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## Kettle Creek Transformer

**Project Sponsor:** Colorado Springs Utility  
**Additional Project Participants:**  
**Project Description:** Kettle Creek 115/12.5kV Power Transformer Addition

Voltage Class: 115/12.5 kV  
Facility Rating: 37 MW  
Point of Origin/Location: Kettle Creek Substation  
Point of Termination:  
Intermediate Points:  
Length of Line (in Miles):  
Type of Project: Transformer  
Development Status: Planned  
Routing:  
Subregional Planning Group: CCPG

**Purpose of Project:** Load Serving

**Estimated Cost (in 2024 Dollars):** \$2.8 million

### Schedule:

Construction Date: 2022  
Planned Completion/In-Service Date: 2024

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

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## Flying Horse Transformer

**Project Sponsor:** Colorado Springs Utility  
**Additional Project Participants:**  
**Project Description:** Flying Horse 115/12.5kV Power Transformer Addition

Voltage Class: 115/12.5 kV  
Facility Rating: 37 MW  
Point of Origin/Location: Flying Horse Substation  
Point of Termination:  
Intermediate Points:  
Length of Line (in Miles):  
Type of Project: Transformer  
Development Status: Planned  
Routing:  
Subregional Planning Group: CCPG

**Purpose of Project:** Load Serving

**Estimated Cost (in 2024 Dollars):** \$8.3 million

### Schedule:

Construction Date: 2024  
Planned Completion/In-Service Date: 2026

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

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## Claremont Transformer

**Project Sponsor:** Colorado Springs Utility  
**Additional Project Participants:**  
**Project Description:** Claremont 230/34.5kV Power Transformer Addition

Voltage Class: 115/34.5 kV  
Facility Rating: 100 MW  
Point of Origin/Location: Claremont Substation  
Point of Termination:  
Intermediate Points:  
Length of Line (in Miles):  
Type of Project: Transformer  
Development Status: Planned  
Routing:  
Subregional Planning Group: CCPG

**Purpose of Project:** Load Serving

**Estimated Cost (in 2024 Dollars):** \$15.8 million

### Schedule:

Construction Date: 2025  
Planned Completion/In-Service Date: 2026

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

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## Pike Solar

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	175 MW Solar PV Project Interconnection – Williams Creek Substation
Voltage Class:	230 kV
Facility Rating:	N/A
Point of Origin/Location:	Williams Creek Substation
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Generator Interconnection
Development Status:	In-Service
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Generator Interconnection - Renewable PPA
<b>Estimated Cost (in 2024 Dollars):</b>	\$6.7 million
<b>Schedule:</b>	
Construction Date:	2022
Planned Completion/In-Service Date:	2024
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
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## Fuller BESS

<b>Project Sponsor:</b>	Colorado Springs Utility
<b>Additional Project Participants:</b>	
<b>Project Description:</b>	100 MW Battery Energy Storage Project Interconnection – Fuller Creek Substation
Voltage Class:	230 kV
Facility Rating:	N/A
Point of Origin/Location:	Fuller Substation
Point of Termination:	
Intermediate Points:	
Length of Line (in Miles):	
Type of Project:	Interconnection
Development Status:	In-Service
Routing:	
Subregional Planning Group:	CCPG
<b>Purpose of Project:</b>	Interconnection – Energy Storage PPA
<b>Estimated Cost (in 2024 Dollars):</b>	\$13.0 million
<b>Schedule:</b>	
Construction Date:	2024
Planned Completion/In-Service Date:	2025
Regulatory Info:	
Regulatory Date:	
Permitting Info:	
Permitting Date:	
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