



TRI-STATE

Colorado Rule 3627 & FERC Order 890

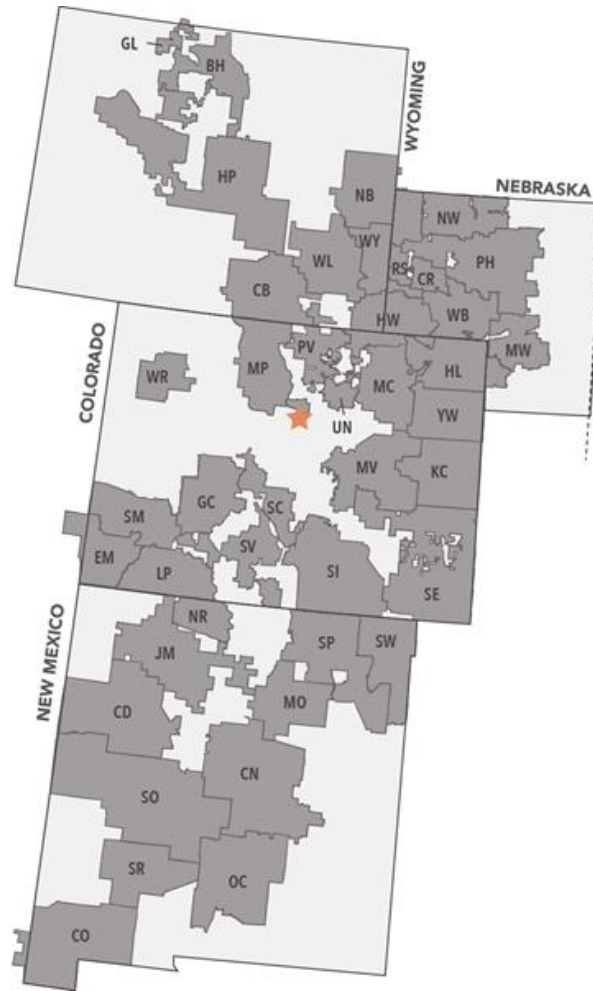
Stakeholder Meeting

November 19, 2024

WHATEVER THE FUTURE HOLDS,
WE'LL POWER IT.

Who is Tri-State

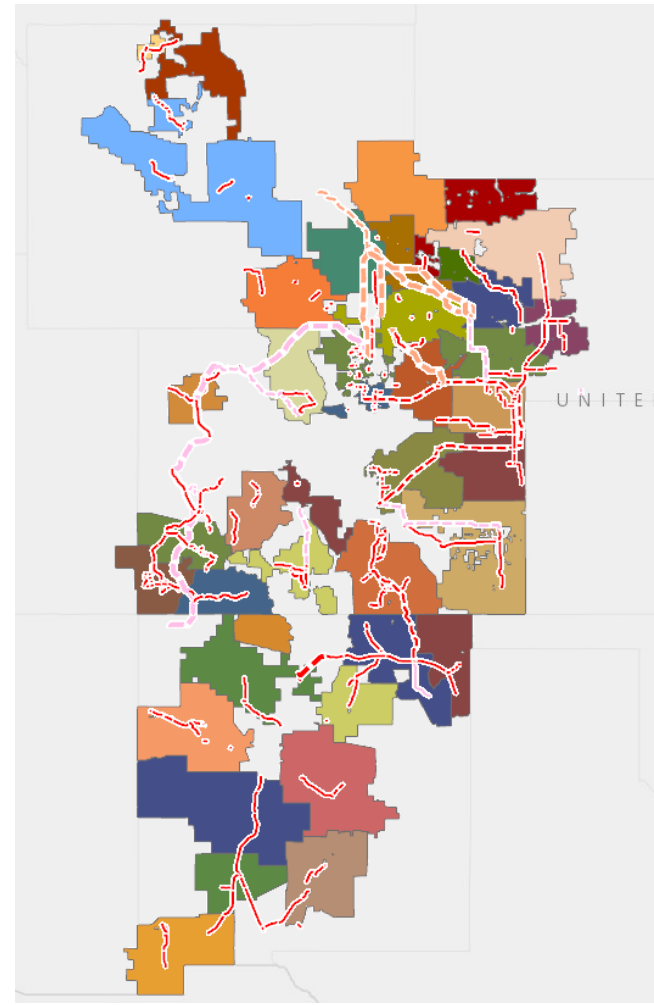
Incorporated in 1952, Tri-State is a generation and transmission cooperative (“G&T”) operating on a not-for-profit basis. Tri-State was formed by its Member Systems for the purpose of providing wholesale power and energy to its Members for resale to their retail consumers. Tri-State is controlled by a 40+ seat Board of Directors, with each of Tri-State’s Members occupying one seat on the Board.



Our mission is to provide our members a **reliable, affordable and responsible** supply of electricity in accordance with cooperative principles.

Tri-State's Transmission System

Tri-State delivers reliable power to communities across nearly 200,000 square miles of the west, from the eastern plains through the Rocky Mountains and down to the southern deserts. We own or operate more than 5,665 miles of high-voltage lines, supported by our system of 220 substations and telecommunications sites.



This Meeting

- Participation in Tri-State's local planning process is open to all interested parties, including but not limited to, all network and point-to-point transmission service customers, interconnecting neighboring transmission providers, regulatory agencies, and other stakeholders.
- Promote discussion of all aspects of the Tri-State transmission planning activities, including, but not limited to, methodology, study inputs, public policy requirements, study results, and alternative solutions.
- Provide a forum for Tri-State to better understand the specific electric transmission interests of all stakeholders



Scope

- Review Tri-State's transmission planning process and current study plan.
- Summarize the status of Tri-State's generator interconnection and transmission service queue.
- Provide updates on its developing and planned projects.
- Receive transmission study requests from stakeholders for review and discussion.
- Solicit information from its Transmission Customers on loads and resources and other needs, such as public policy requirements, for the preparation of its ten-year plan.



Note

- This is not the only forum to be involved.
- This meeting will be supplemented by additional stakeholder outreach activities in connection with individual transmission projects or overall programmatic needs, as necessary.
- Colorado Coordinated Planning Group (CCPG)
 - Voluntary, open transmission planning forum.
 - Membership is open to all interested stakeholders.
 - Includes all Colorado transmission providers
 - <http://regplanning.westconnect.com/ccpg.htm>



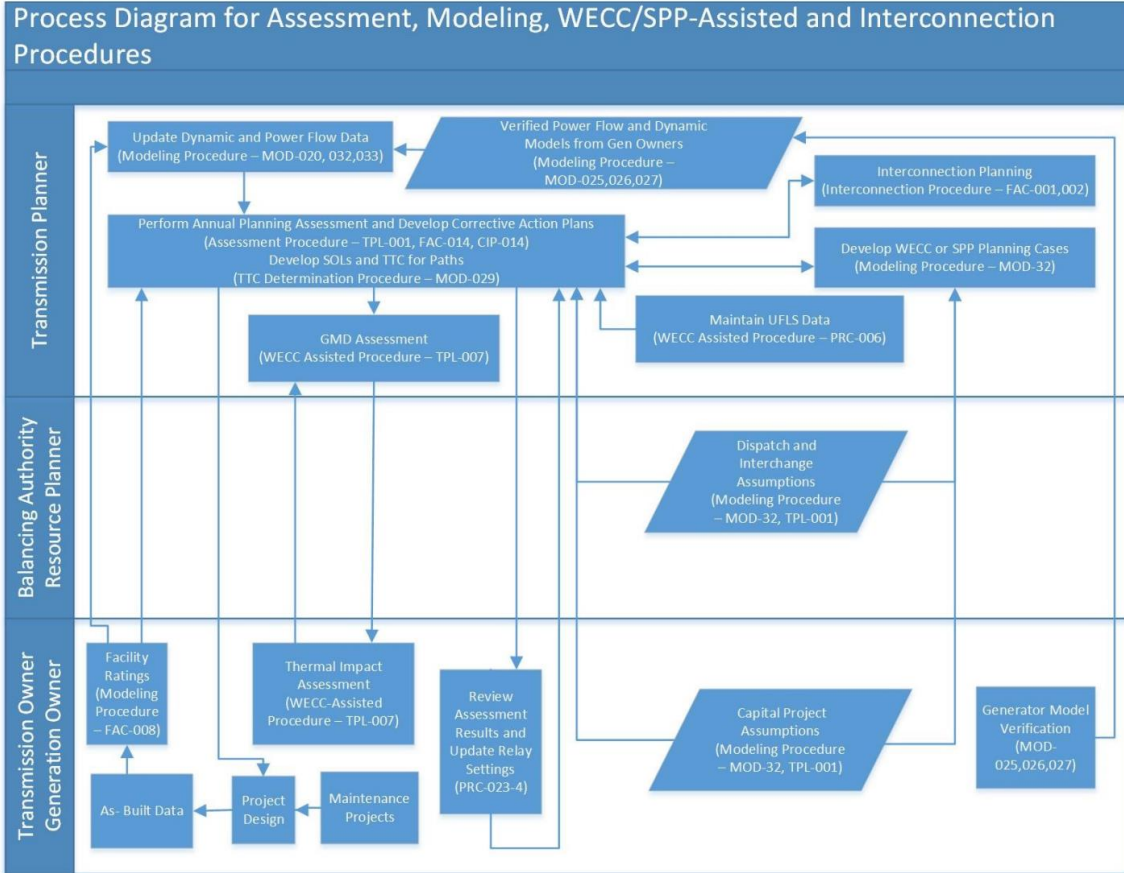
Planning Process

Planning Considerations

- Tri-State endeavors to conduct transmission planning with the goal of achieving best-cost solutions that balance numerous factors and result in optimal transmission projects:
 - Load projections
 - New delivery points
 - NERC reliability standards
 - Generation resources and interconnections
 - Project partnership opportunities
 - Regional congestion
 - Transmission corridors
 - City and county zoning
 - Geographic features
 - Societal and environmental impacts
 - Operational and maintenance requirements
 - Consistency with short-term and long-term planning opportunities
 - Initial construction cost



Planning Processes: NERC Compliance



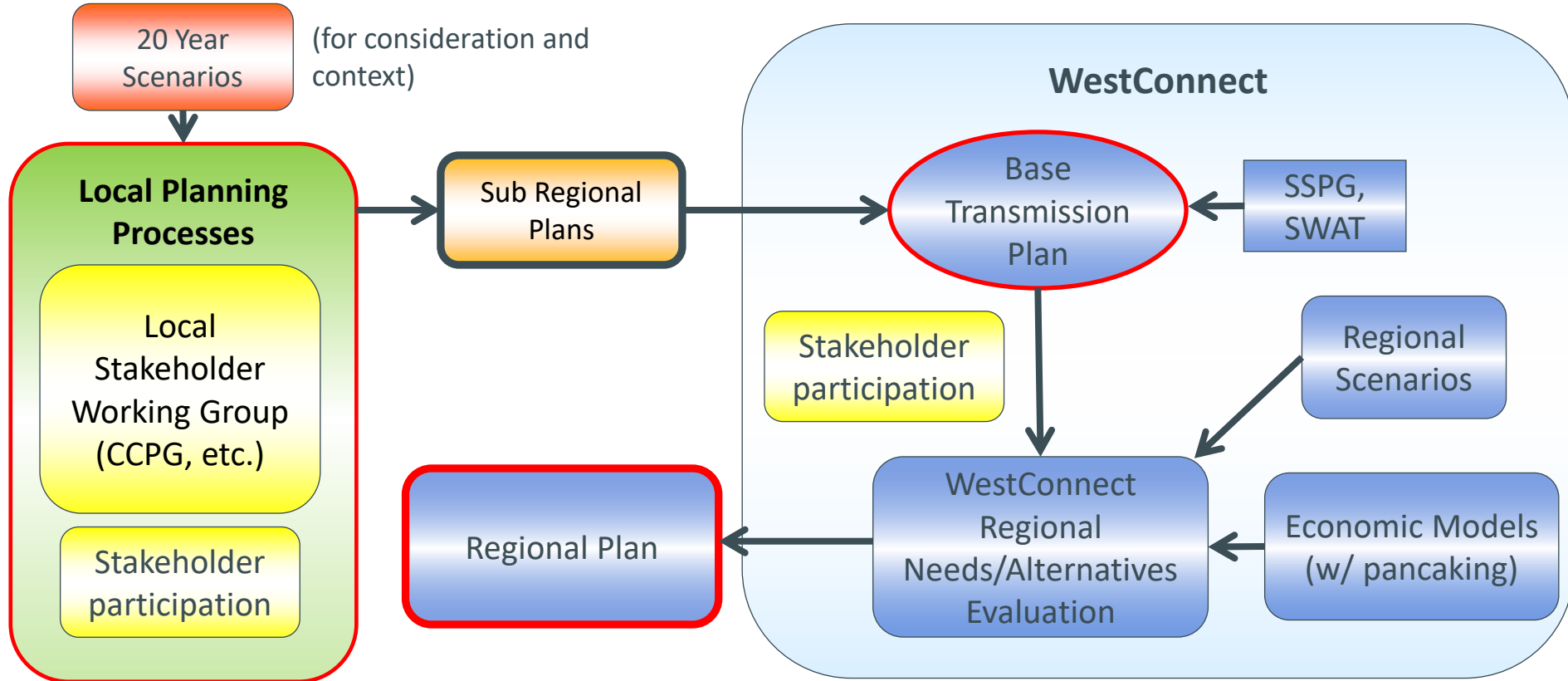
Study Process and/or Methodology for Other Studies

- Tri-State's Open Access Same-Time Information Site (OASIS): <https://www.oasis.oati.com/tsgt/index.html>
 - Transmission Planning Process
 - → Open Access Transmission Tariff (OATT)
 - Attachment K of OATT
 - Large Generator Interconnection Procedures
 - → Open Access Transmission Tariff (OATT)
 - Attachment N of OATT
 - Small Generator Interconnection Procedures
 - → Open Access Transmission Tariff (OATT)
 - Attachment O of OATT
 - Engineering Standards Bulletin (Transmission Planning Criteria, etc.)
 - → Open Access Transmission Tariff
 - → Transmission Planning
 - → Engineering Standards Bulletin
 - EMTP Modeling Guidelines
 - → Open Access Transmission Tariff
 - → Transmission Planning
 - → EMTP Model Guidelines

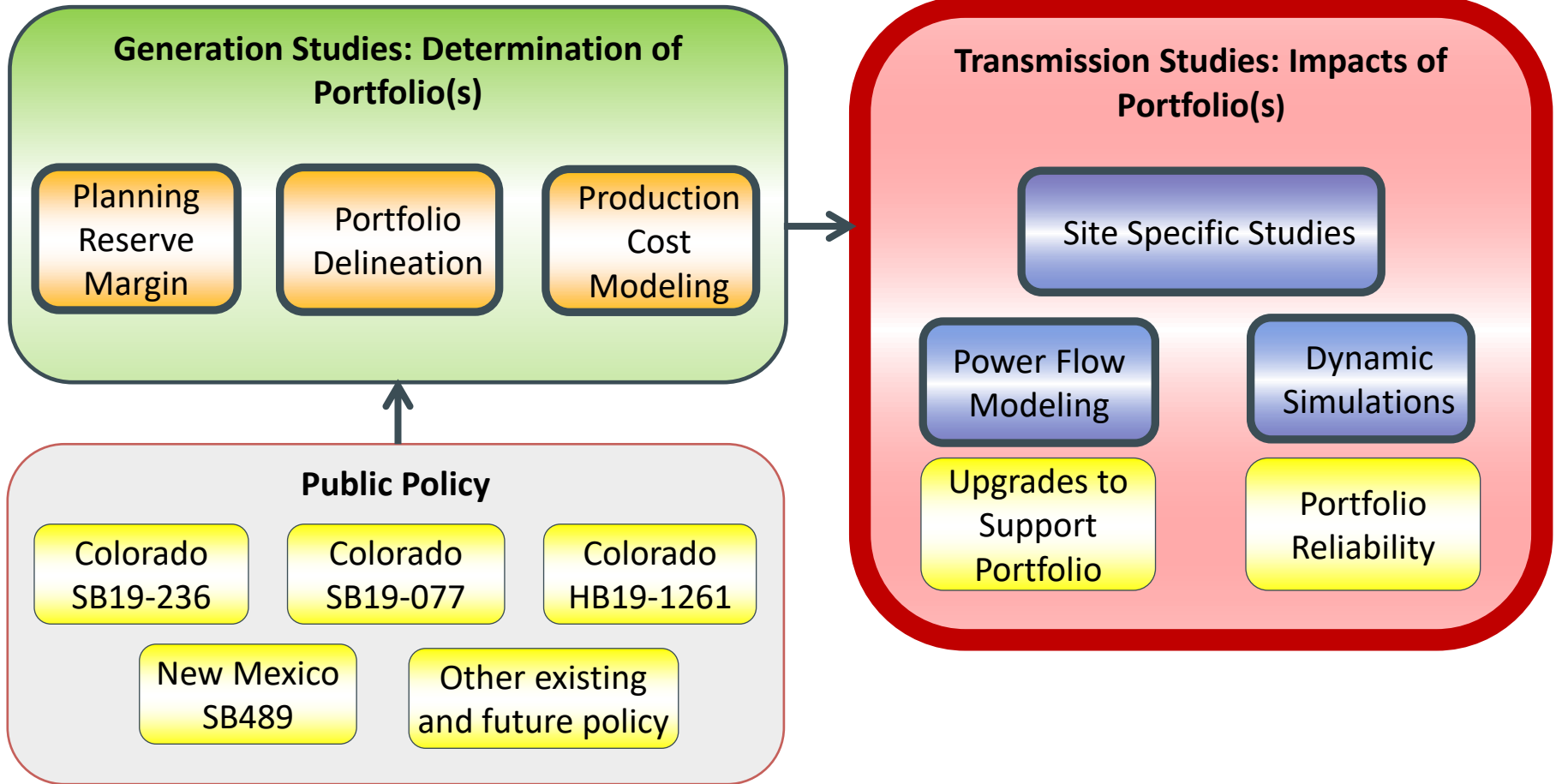


Local vs Regional Planning

Relationship between local and regional planning processes:



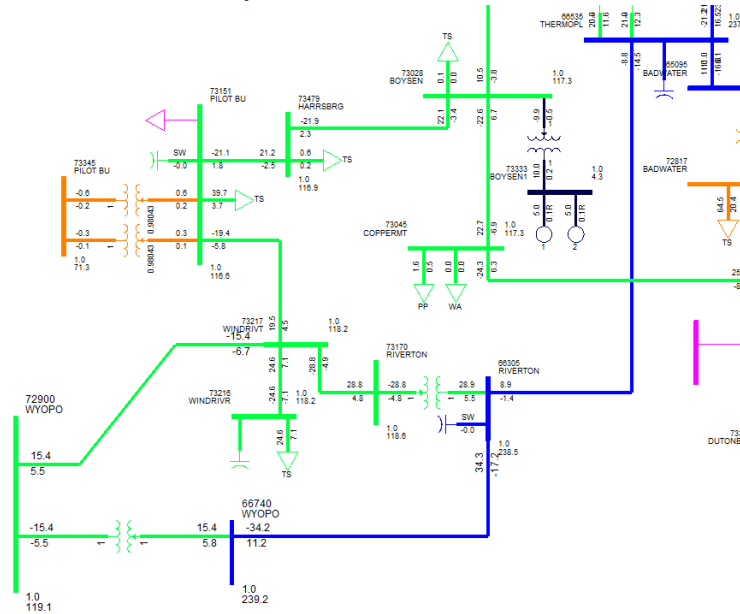
Resource Portfolios vs Transmission Planning



Required Studies

Power Flow Studies

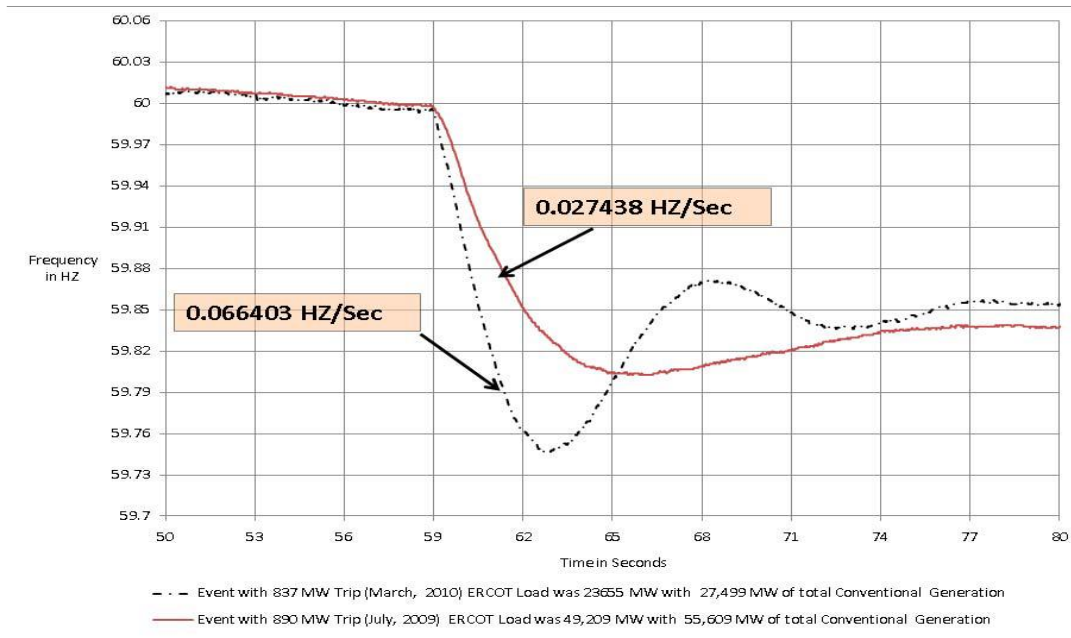
- Contingency analysis (P0-P7 & Extreme Events per NERC TPL-001-5)
- Monitor for overloads and voltage issues
- Identify areas for local, site-specific studies



Required Studies

Dynamic Simulations

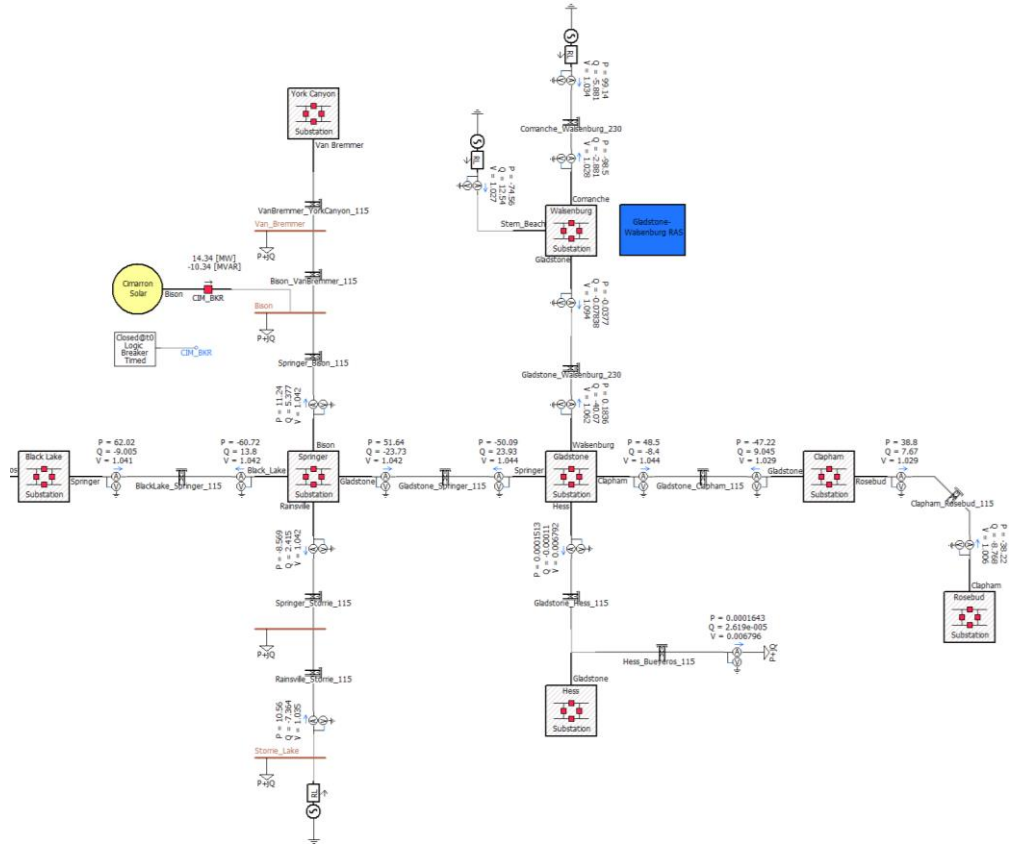
- Monitor frequency response
- Monitor governor response, rotor angle stability, out of step
- Voltage instability and ride through
- Dynamic VARS



Required Studies

Localized (Electromagnetic Transient) Studies

- Controller interactions
- Flicker
- Harmonics
- Weak Grid

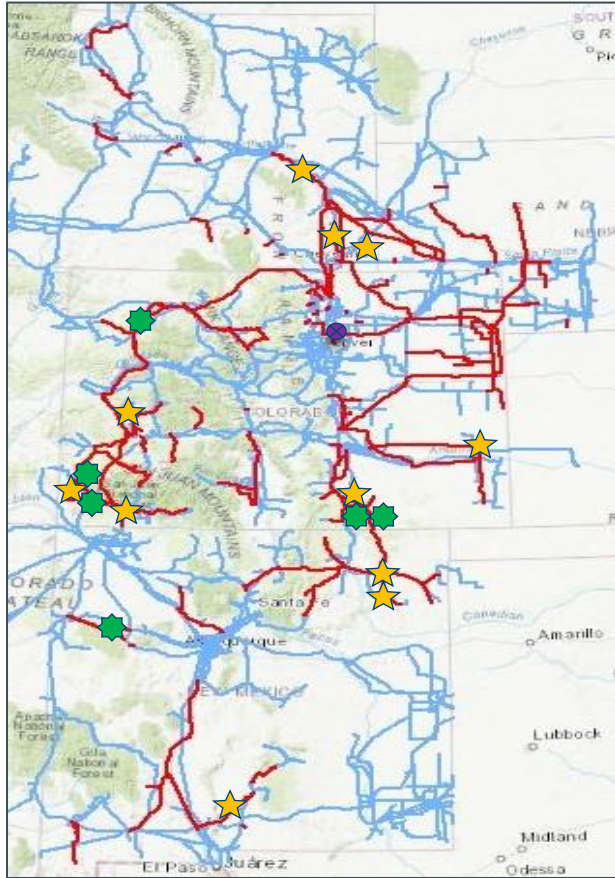


Generator Interconnection Queue

- Generator Interconnection Request Queue
 - Active Interconnection Request Queue
- Large Generator Interconnection Requests
 - Twenty-Two (22) executed Generator Interconnection Agreements, ~ 2,530 MW
 - Four (4) Suspended GIA, totaling ~698 MW
 - 2022 DISIS Cluster – Thirteen (13) Interconnection Requests, ~ 2,204 MW
 - Executing LGIA.
 - 2024 Transitional Cluster – Thirty-Three (33) Interconnection Requests, ~6,524 MW
 - **TOTAL - ~11,258 MW**
- Small Generator Interconnection Requests - None



Interconnection & Transmission Service Projects



Interconnection Agreement



Approved Transmission Service Request



Signed Interconnection Agreement w/ Approved Transmission Service



Interconnection & Transmission Service Queues

Generator Interconnection Requests with LGIAs:

- [LGIA Interconnection Request Queue.pdf \(oati.com\)](#)

Request Number	Date Received	Point of Interconnection	LOCATION	Service Type	MW Capacity	GIA ISD	GIA Suspended	Status / Comments
PROJECTS WITH COMPLETED or UNEXECUTED GIA/LGIA								
TI-08-0312	3/12/2008	Springer to Van Bremmer 115kV	Colfax Cnty, New Mexico	Network Resource	30 MW Solar	7/10/2010	N/A	Completed
TI-08-0502	5/2/2008	Burlington to Big Sandy 230kV	Kit Carson County, Colorado	Network Resource	51 MW Wind	10/15/2010	N/A	Completed
TI-12-0217	2/17/2012	South Canal to Dallas Creek 115kV Line	Ourray County, Colorado	Network Resource	7.2 MW Solar	11/1/2013	N/A	Completed
TI-08-0204	2/4/2008	Burlington 230 kV Bus	Kit Carson County, Colorado	Network Resource	150 MW Wind	11/30/2015	N/A	Completed
TI-15-0227	2/27/2015	Mimbres 115kV	Luna County, New Mexico	Network Resource	25 MW Solar	10/31/2016	N/A	Completed
TI-15-0612	6/17/2015	Ludlow-Pinon Canyon 115kV	Las Animas County, Colorado	Network Resource	30 MW Solar	9/15/2016	N/A	Completed
TI-17-0224	2/24/2017	Burlington-Big Sandy 230kV Line	Kit Carson/Cheyenne Counties, Colorado	Network Resource	104 MW Wind	9/2/2020	N/A	Completed
TI-18-0827	8/27/2018	Redtail 115 kV Substation	Weld County, Colorado	Network Resource	145 MW Wind	6/24/2022	N/A	Completed
TI-18-0227C	2/27/2018	Round Top Switching Station	Banner County, Nebraska	Network Resource	103 MW Wind	11/1/2023	Yes	Suspended LGIA
TI-18-0809	8/9/2018	Walsenburg-Gladstone 230 kV Line	Las Animas County, Colorado	Network Resource	100 MW Solar	6/1/2024	No	Executed LGIA
TI-19-0227	3/15/2021	Hesperus 115kV Substation	La Plata County, Colorado	NRIS	155 MW Solar+155 MW Storage	8/1/2024	No	Executed LGIA
TI-18-0831B	4/16/2021	Yellow Jacket 115kV Switch Station	Montezuma County, Colorado	NRIS	127 MW Solar	9/2/2024	Yes	Suspended LGIA
GI-TC-2021-01	3/15/2021	Craig-Meeker 345kV Line	Moffat & Rio Blanco Counties, Colorado	NRIS	145 MW Solar	6/30/2024	No	Executed LGIA
GI-TC-2021-03	3/15/2021	Cahone	Dolores County, Colorado	NRIS	110 MW Solar	6/14/2024	No	Executed LGIA
GI-TC-2021-04	3/15/2021	Walsenburg-Gladstone 230 kV Line	Las Animas County, Colorado	NRIS	40 MW Solar	9/1/2024	No	Executed LGIA
GI-TC-2021-05	3/15/2021	PEGS 230kV Station	McKinley County, New Mexico	NRIS	200 MW Solar	11/01/2023	No	Executed LGIA
GI-TC-2021-06	3/15/2021	North Yuma 230kV Substation	Logan County, Colorado	NRIS	200 MW Wind	10/29/2021	N/A	Completed
GI-TC-2021-07	3/15/2021	Garnet Mesa 115kV Substation	Delta County, Colorado	NRIS	80 MW Solar	5/01/2024	No	Executed LGIA
GI-DISIS-2021-07	5/28/2021	Lamar 230kV Substation	Prowers County, Colorado	NRIS	199 MW Wind	7/5/2026	Yes	Suspended LGIA
GI-DISIS-2021-11	5/28/2021	Walsenburg-Gladstone 230kV Line	Las Animas County, Colorado	NRIS	200 MW Solar+100 MW Storage	9/5/2026	Yes	Suspended LGIA

Interconnection & Transmission Service Queues

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Request Number	Date Received	Point of Interconnection	LOCATION	Service Type	MW Capacity	GIA ISD	GIA Suspended	Status / Comments
PROJECTS WITH COMPLETED or UNEXECUTED GIA/LGIA								
GI-DISIS-2021-01	4/15/2021	Gladstone-Bravo Dome West 115kV Line	Harding County, New Mexico	ERIS	120 MW Solar	6/5/2028	No	Executed LGIA
GI-DISIS-2021-06	5/27/2021	Main Switch 115kV Substation	Montezuma County, Colorado	NRIS	140 MW Solar	10/6/2025	No	Executed LGIA
GI-DISIS-2021-10	5/28/2021	DJ-LRS 230kV Line	Converse County, Wyoming	NRIS	199 MW Solar+199 MW Storage	6/1/2023	Yes	Suspended LGIA
GI-DISIS-2021-04	5/26/2021	Alamogordo-Dona Ana 115kV Line	Otero County, New Mexico	NRIS	100 MW Solar+50 MW Storage	6/28/2024	Yes	Suspended LGIA



Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

- Active Interconnection Request Queue.pdf (oati.com)

Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacity	Projected COD	Status / Comments	Available Studies	Explanation why IR not completed
DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2022)											
GI-DISIS-2022-01	DISIS-2022	5/5/2022	Redtail 115kV Substation	Weld County, CO	ERIS	Wind	90	6/1/2025	Withdrawn	Phase 3	Withdrawn
GI-DISIS-2022-02	DISIS-2022	5/5/2022	Keota 345kV Substation	Weld County, CO	ERIS	Solar + Storage	199	6/1/2026	DISIS Phase 4	Phase 4	
GI-DISIS-2022-03	DISIS-2022	5/9/2022	Wauneta 115kV Substation	Yuma County, CO	ERIS	Solar + Storage	122	12/31/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-04	DISIS-2022	5/9/2022	South Fork 115kV Substation	Kit Carson County, CO	ERIS	Solar + Storage	158	12/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-05	DISIS-2022	5/9/2022	Idalia 115kV Substation	Yuma County, CO	NRIS/ERIS	Solar + Storage	125	12/31/2025	Withdrawn		Withdrawn
GI-DISIS-2022-06	DISIS-2022	5/10/2022	Craig 230kV Switchyard	Moffat County, CO	NRIS/ERIS	Solar + Storage	150		Withdrawn		Withdrawn
GI-DISIS-2022-07	DISIS-2022	5/24/2022	Henry Lake - Story 230kV Line	Weld County, CO	NRIS	Solar + Storage	199	12/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-08	DISIS-2022	5/26/2022	Boone - La Junta 115kV Line	Otero County, CO	ERIS	Solar + Storage	80	6/1/2025	Withdrawn	Phase 4	Withdrawn
GI-DISIS-2022-09	DISIS-2022	5/26/2022	La Junta - Willow Creek 115kV Line	Otero County, CO	NRIS/ERIS	Solar + Storage	40	6/1/2025	Withdrawn		Withdrawn
GI-DISIS-2022-10	DISIS-2022	5/26/2022	Walsenburg - Gladstone 230kV Line	Las Animas County, CO	ERIS	Solar + Storage	100	6/1/2025	Withdrawn	Phase 4	Withdrawn
GI-DISIS-2022-11	DISIS-2022	5/27/2022	Torrance - Willard Switch 115kV Line	Torrance County, NM	NRIS/ERIS	Solar	75	9/30/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-12	DISIS-2022	5/27/2022	Ludlow - Walsenburg 115kV Line	Huerfano County, CO	ERIS	Solar	100	12/1/2025	Withdrawn	Phase 4	Withdrawn
GI-DISIS-2022-13	DISIS-2022	5/27/2022	Lamar 230kV Substation	Prowers County, CO	ERIS	Solar + Storage	199	7/15/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-14	DISIS-2022	5/27/2022	Walsenburg - Gladstone 230kV Line	Colfax County, NM	NRIS/ERIS	Wind	400	6/30/2026	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-15	DISIS-2022	5/27/2022	Poncha - San Luis Valley 230kV Line	Alamosa County, CO	ERIS	Solar	115	12/31/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-16	DISIS-2022	5/27/2022	Meekeer - Rifle 345kV Line	Garfield County, CO	NRIS	Solar	145	6/1/2025	Withdrawn	Phase 3	Withdrawn
GI-DISIS-2022-17	DISIS-2022	5/27/2022	Lamar-Burlington 230kV Line	Kiowa County/Prowers County, CO	ERIS	Wind	199	12/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-18	DISIS-2022	5/27/2022	Axial Basin - Hayden 138kV Line	Routt County, CO	ERIS	Solar	109	11/1/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-19	DISIS-2022	5/27/2022	Comanche-Walsenburg 230kV Line	Pueblo/Huerfano County, CO	ERIS	Wind	290	12/31/2024	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-20	DISIS-2022	5/27/2022	Lincoln 230kV Substation	Lincoln County, CO	ERIS	Wind	100	12/31/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-21	DISIS-2022	5/27/2022	Yellow Jacket 115kV Substation	Montezuma County, CO	NRIS/ERIS	Solar	127	12/31/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-22	DISIS-2022	5/27/2022	Hell Creek Substation	Kit Carson County, CO	ERIS	Solar + Storage	90	6/1/2025	DISIS Phase 4	Phase 4	

Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

- Active Interconnection Request Queue.pdf (oati.com)

Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacity	Projected COD	Status / Comments	Available Studies	Explanation why IR not completed
DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2022)											
GI-DISIS-2022-23	DISIS-2022	5/27/2022	Lamar 230kV Substation	Prowers County, CO	NRIS/ERIS	Solar + Storage	350	12/31/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-24	DISIS-2022	5/27/2022	Boone 230kV Substation	Pueblo County, CO	NRIS/ERIS	Solar + Storage	199	12/31/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-25	DISIS-2022	5/27/2022	Laramie River Station-Stegall Line	Goshen County, WY	ERIS	Solar	163	12/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-26	DISIS-2022	5/30/2022	Craig - Meeker 345kV Line	Moffat County, CO	NRIS/ERIS	Wind	400	12/31/2025	Withdrawn		Withdrawn
GI-DISIS-2022-27	DISIS-2022	5/30/2022	Elephant Butte - Socorro 115kV Line	Socorro County, NM	NRIS/ERIS	Solar + Storage	32	6/16/2026	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-28	DISIS-2022	5/31/2022	Burlington - Lamar 230kV Line	Kit Carson County, CO	ERIS	Solar + Storage	199	12/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-29	DISIS-2022	5/31/2022	Big Sandy - Windtalker 230kV Line	Lincoln County, CO	NRIS	Wind	200	12/31/2023	DISIS Phase 4	Phase 4	
GI-DISIS-2022-30	DISIS-2022	5/31/2022	Big Sandy 115kV Substation	Lincoln County, CO	NRIS/ERIS	Storage	199	3/29/2025	Withdrawn		Withdrawn
GI-DISIS-2022-31	DISIS-2022	5/31/2022	Gladstone 230kV Substation	Gladstone County, NM	NRIS/ERIS	Solar	100	12/15/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-32	DISIS-2022	5/31/2022	Gladstone 230kV Substation	Gladstone County, NM	NRIS/ERIS	Storage	50	12/15/2025	Withdrawn		Withdrawn
GI-DISIS-2022-33	DISIS-2022	5/31/2022	Waverly 115 kV Substation	Alamosa County, CO	NRIS/ERIS	Storage	50	12/15/2025	Withdrawn		Withdrawn
GI-DISIS-2022-34	DISIS-2022	5/31/2022	Waverly 115 kV Substation	Alamosa County, CO	NRIS/ERIS	Solar	100	12/15/2025	Withdrawn		Withdrawn
GI-DISIS-2022-35	DISIS-2022	5/31/2022	Laramie River - Stegall 230kV Line	Goshen County, WY	NRIS/ERIS	Solar	200	12/15/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-36	DISIS-2022	5/31/2022	Laramie River - Stegall 230kV Line	Goshen County, WY	NRIS/ERIS	Storage	50	12/15/2025	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-37	DISIS-2022	5/31/2022	Cahone - Maverick 115kV Line	San Miguel County, CO	NRIS	Storage	25	12/15/2025	Withdrawn	Phase 3	Withdrawn
GI-DISIS-2022-38	DISIS-2022	5/31/2022	Cahone - Maverick 115kV Line	San Miguel County, CO	NRIS	Solar	100	12/15/2025	Withdrawn	Phase 3	Withdrawn
GI-DISIS-2022-39	DISIS-2022	5/31/2022	Norwood - Wilson Mesa 115kV Line	San Miguel County, CO	NRIS	Solar + Storage	100	12/23/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-40	DISIS-2022	5/31/2022	Sand Hills - Wray 115kV Line	Yuma County, CO	NRIS/ERIS	Solar	199	9/30/2024	Withdrawn	Phase 1	Withdrawn
GI-DISIS-2022-41	DISIS-2022	5/31/2022	Bonny Creek 115kV Substation	Kit Carson County, CO	ERIS	Wind	50	5/31/2025	DISIS Phase 4	Phase 4	
GI-DISIS-2022-42	DISIS-2022	5/31/2022	Keota 345kV Substation	Weld County, CO	NRIS/ERIS	Solar	200	12/15/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-43	DISIS-2022	5/31/2022	Keota 345kV Substation	Weld County, CO	NRIS/ERIS	Storage	100	12/15/2025	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-44	DISIS-2022	5/31/2022	Craig 345kV Substation	Moffat County, CO	NRIS	Solar + Storage	199	12/1/2026	DISIS Phase 4	Phase 4	

Interconnection & Transmission Service Queues

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DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2022)											
GI-DISIS-2022-45	DISIS-2022	5/31/2022	Huckleberry 230kV Substation	Pueblo County, CO	ERIS	Solar + Storage	199	12/1/2026	DISIS Phase 4	Phase 4	
GI-DISIS-2022-46	DISIS-2022	5/31/2022	Nucla	Montrose County, CO	TBD	Solar	20	12/1/2026	Withdrawn		Withdrawn
GI-DISIS-2022-47	DISIS-2022	5/31/2022	Laramie River Station 345kV Substation	Platte County, WY	ERIS	Solar + Storage	250	12/1/2026	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-48	DISIS-2022	5/31/2022	Brighton 230kV Substation	Adams County, CO	NRIS/ERIS	Solar + Storage	150	12/1/2026	Withdrawn		Withdrawn
GI-DISIS-2022-49	DISIS-2022	5/31/2022	Lamar 230kV Substation	Prowers County, CO	ERIS	Solar + Storage	150	12/1/2026	DISIS Phase 4	Phase 4	
GI-DISIS-2022-50	DISIS-2022	5/31/2022	Boone 230kV Substation	Pueblo County, CO	ERIS	Solar + Storage	240	12/1/2026	Withdrawn	Phase 2	Withdrawn
GI-DISIS-2022-51	DISIS-2022	5/31/2022	Boone-Huckleberry 230kV line	Pueblo County, CO	NRIS	Solar + Storage	400	12/31/2025	Withdrawn	Phase 3	Withdrawn
GI-DISIS-2022-52	DISIS-2022	5/31/2022	LRS-Wayne Child 345kV	Goshen County, WY	ERIS	Wind	252	1/1/2026	Withdrawn	Phase 4	Withdrawn

Interconnection & Transmission Service Queues

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GI-TC-2024-01	TC-2024	4/25/2024	Lincoln 230kV Substation	Lincoln County, CO	NRIS	Solar + Storage	150	6/30/2027	TC-Combined Study		
GI-TC-2024-02	TC-2024	4/25/2024	Lincoln 230kV Substation	Lincoln County, CO	NRIS	Solar + Storage	150	6/30/2027	TC-Combined Study		
GI-TC-2024-03	TC-2024	5/8/2023	Monolith 115 kVSubstation	Platte/Goshen Counties, Wyoming	ERIS	Solar	160	12/28/2028	TC-Combined Study		
GI-TC-2024-04	TC-2024	5/22/2023	LRS-Wayne Child 345kV Line	Platte County, WY	ERIS	Wind	150	10/1/2026	TC-Combined Study		
GI-TC-2024-05	TC-2024	5/22/2023	LRS-Wayne Child 345kV Line	Platte County, WY	ERIS	Wind	150	10/1/2026	TC-Combined Study		
GI-TC-2024-06	TC-2024	5/22/2023	LRS-Wayne Child 345kV Line	Platte County, WY	ERIS	Wind	150	10/1/2026	TC-Combined Study		
GI-TC-2024-07	TC-2024	5/22/2023	Burlington - Lamar 230 kV Line	Cheyenne County, CO	ERIS	Solar	199	12/31/2028	TC-Combined Study		
GI-TC-2024-08	TC-2024	5/26/2023	Burlington 230kV Substation	Kit Carson County, CO	ERIS	Wind	150	12/27/2028	TC-Combined Study		
GI-TC-2024-09	TC-2024	5/26/2023	North Yuma 230kV Substation	Yuma County, CO	ERIS	Solar	199	12/31/2026	TC-Combined Study		
GI-TC-2024-10	TC-2024	5/23/2024	Burlington 230kV Substation	Kit Carson County, CO	ERIS	Solar	199	12/29/2028	TC-Combined Study		
GI-TC-2024-11	TC-2024	5/29/2024	Burlington 230kV Substation	Kit Carson County, CO	ERIS	Wind	150	5/31/2028	TC-Combined Study		
GI-TC-2024-12	TC-2024	5/21/2024	Burlington-Wray 230kV Line	Yuma County, CO	ERIS	Wind	170	10/31/2027	TC-Combined Study		
GI-TC-2024-13	TC-2024	5/23/2024	Craig-Hayden West 230kV Line	Routt County, CO	ERIS	Solar + Storage	250	12/31/2027	TC-Combined Study		
GI-TC-2024-14	TC-2024	5/31/2023	Greenhouse 230kv Substation	Weld County, CO	NRIS	Solar	206.01	12/31/2028	TC-Combined Study		
GI-TC-2024-15	TC-2024	5/23/2024	Ault-Laramie River Station 345kV Line	Laramie County, CO	ERIS	Wind	250	12/31/2028	TC-Combined Study		
GI-TC-2024-16	TC-2024	5/16/2023	Ault-Laramie River Station 345kV Line	Laramie County, WY	ERIS	Wind	400	12/31/2027	TC-Combined Study		
GI-TC-2024-17	TC-2024	5/29/2024	Burlington-Wray 230kV Line	Kit Carson County, CO	ERIS	Solar	225	1/1/2030	TC-Combined Study		
GI-TC-2024-18	TC-2024	5/29/2024	Lost Canyon 115kV Substation	Montezuma County, CO	ERIS	Storage	100	12/31/2027	TC-Combined Study		
GI-TC-2024-19	TC-2024	5/7/2024	Montrose 115kV Substation	Montrose County, CO	ERIS	Storage	100	5/31/2026	TC-Combined Study		
GI-TC-2024-20	TC-2024	5/29/2024	Big Sandy 230kV Substation	Lincoln County, CO	NRIS	Solar	250	7/1/2027	TC-Combined Study		
GI-TC-2024-21	TC-2024	5/24/2024	East Cortez 115kV Substation	Montezuma County, CO	ERIS	Solar+Storage	125	12/31/2028	TC-Combined Study		

Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

- [Active Interconnection Request Queue.pdf \(oati.com\)](#)

Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacity	Projected COD	Status / Comments	Available Studies	Explanation why IR not completed
GI-TC-2024-22	TC-2024	5/23/2024	Lloyd Sisson 115 kV Substation	Weld County, CO	NRIS	Solar	140	3/1/2028	TC-Combined Study		
GI-TC-2024-23	TC-2024	5/31/2023	Burlington-Lamar 230 kV Line	Prowers County, CO	NRIS	Solar+Storage	199	5/1/2028	TC-Combined Study		
GI-TC-2024-24	TC-2024	5/31/2023	Boone -Lamar 230 kV Line	Bent County, CO	NRIS	Solar+Storage	199	5/1/2029	TC-Combined Study		
GI-TC-2024-25	TC-2024	5/28/2024	Ault - Laramie River Station 345kV Line	Weld County, CO	ERIS	Wind	350	12/31/2028	TC-Combined Study		
GI-TC-2024-26	TC-2024	5/31/2023	Lincoln – Midway 230 kV Line	Elbert County, CO	NRIS	Solar+Storage	199	8/17/2027	TC-Combined Study		
GI-TC-2024-27	TC-2024	5/30/2023	Burlington 230 kV Substation	Sherman and Wallace Counties, KS	NRIS	Wind	298	12/31/2028	TC-Combined Study		
GI-TC-2024-28	TC-2024	5/31/2023	Lloyd Sisson 115 kV Substation	Weld County, CO	NRIS	Solar	222.3	12/31/2027	TC-Combined Study		
GI-TC-2024-29	TC-2024	5/29/2024	Landsman Creek-Windtalker 230kV Line	Kit Carson County, CO	NRIS	Wind	170	10/1/2028	TC-Combined Study		
GI-TC-2024-30	TC-2024	5/29/2024	Story 230kV Substation	Morgan County, CO	NRIS	Solar+Storage	199.9	5/31/2027	TC-Combined Study		
GI-TC-2024-31	TC-2024	5/29/2024	Lincoln - Midway 230 kV Line	Elbert County, CO	ERIS	Solar+Storage	398	12/31/2028	TC-Combined Study		
GI-TC-2024-32	TC-2024	5/23/2024	Craig 230kV Substation	Moffat County, CO	NRIS	Solar	66.5	12/31/2027	TC-Combined Study		
GI-TC-2024-33	TC-2024	5/30/2023	Craig-Meeker 345 kV Line	Moffat County, CO	NRIS	Solar + Storage	199	12/1/2027	TC-Combined Study		

Interconnection & Transmission Service Queues

Transmission Service Request Queue:

- [Transmission Service Request Queue 2024 - 7-1-24.pdf \(oati.com\)](#)

Network Service Transmission Requests											
Transmission Service Request TP Tracking # / TP Contract Number	Application Submission/ Completion Date	NITS on Oasis Application Reference # & Type / Transmission Service Reservation #	Location or POR / POD	Service Type	MW Capacity Requested (Granted)	In-service/ Renewal Date	Status / Comments	Study	Study Completed	NITS Agreement Executed	Network Service Granted/Renewed?
TSR-24-0228 / TSOA-24-0077	2/28/2024	2091 New NITS Application	Grand and Jackson Counties Colorado	Network Service	(As per MPEI's 10 year L&R Forecast)	2/1/2025	NITS Application Complete	N/A	N/A	TBD	In Process
TSR-23-0428 / TSOA-24-0007	4/28/2023	2068 NITS Application	Adams, Broomfield, and Weld Counties Colorado	Network Service	(As per UPI's 10 year L&R Forecast)	5/1/2024	NITS Application Complete	N/A	N/A	4/29/2024	Granted
TSOA-22-0096	11/2/2022	2045 NITS Application Renewal	City of Raton, CO Burro Canyon 69 kV Bus Springer 69 kV Bus	Network Service	(As per RPS's 10 year L&R Forecast)	2/1/2023	Renewal NITSA	N/A	N/A	1/12/2023	Renewed
TSOA-22-0094	8/24/2022	2022 NITS Application Renewal	City of Delta, CO Garnet Mesa 115 kV Bus Gunnison Valley 12.5 kV Bus	Network Service	(As per MEAN's 10 year L&R Forecast)	1/1/2023	Renewal NITSA	N/A	N/A	11/18/2022	Renewed
TSOA-21-0058	5/10/2022	2017 NITS Application Renewal	Taos (City & County), NM Taos 115 kV Bus Black Lake 115 kV Bus Ojo Caliente Tap 115 kV Bus	Network Service	(As per KCEC's 10 year L&R Forecast)	7/1/2022	Renewal NITSA	N/A	N/A	6/30/2022	Renewed
TSOA-20-0012	1/7/2020	NITS Application	Delta and Montrose Counties, Colorado	Network Service	(As per DMEA's 10 year L&R Forecast)	5/1/2020	New NITSA	SIS	3/13/2020	4/1/2020	Granted
TSOA-19-0023A	10/18/2019	1624 NITS Application Renewal	Southeastern Colorado	Network Service	(As per ARPA's 10 year L&R Forecast)	2/25/2020	Amended & Restated Renewal NITSA	N/A	N/A	6/12/2020	Amended / Renewed
TSOA-19-0065	12/10/2019	TSR # TSESCALANTESOLAR	PEGS TO AMBROSIA 230kV	Network Service	200 (200)	6/1/2024	DNR Evaluation Complete	SIS	3/12/2020	N/A	DNR Approved
TSOA-19-0064	12/10/2019	TSR # TSDOLOCANESOLAR	New POR & POD To be Created	Network Service	110 (110)	12/31/2024	DNR Evaluation Complete	SIS	3/18/2020	N/A	DNR Approved
TSOA-19-0063	12/10/2019	TSR # TSAXBASINSOLAR	Moffat County, Colorado	Network Service	145 (145)	12/31/2024	DNR Evaluation Complete	SIS	3/18/2020	N/A	DNR Approved

Interconnection & Transmission Service Queues

Transmission Service Request Queue:

- [Transmission Service Request Queue 2024 - 7-1-24.pdf \(oati.com\)](#)

Long Term Firm Point-to-Point (LTFPTP) Transmission Service Requests											
Request / Contract Number	Application Submission/ Completion Date	Oasis Reservation or Status Change	Path	Service Type	MW Capacity Requested (Granted)	In-service/ Renewal Date	Status / Comments	Study	Study Completed	Agreement Executed	LTFPTP Service Status
TSR-24-0624B	06/24/2024 06/24/2024	TSR# 103189783	BURL-BOON115	LTFPTP	150	12/1/2027	Preliminary	TBD	TBD	TBD	Under Review
TSR-24-0624A	06/24/2024 06/24/2024	TSR# 103189819	BURL-MIDW	LTFPTP	150	12/1/2027	SIS Draft Agreement Initiated	SIS	TBD	TBD	Under Review - In Study
TSR-24-0521	05/21/2024 06/05/2024	TSR# 102973922	LAMR230-MIDW	LTFPTP	33 (33)	TBD	CONFIRMED	N/A	N/A	TBD	CONFIRMED
TSR-24-0517	05/17/2024 06/06/2024	TSR# 102931733	LAMR230-BOON115	LTFPTP	32	TBD	Refused	Offered	TBD	TBD	Refused - Insufficient ATC
TSR-23-1226	12/26/2023 1/12/2024	TBD	BURL-AU	LTFPTP	150	1/1/2029	Application Withdrawn	N/A	N/A	N/A	No Service Provided
TSR-23-1211	12/11/2023 12/15/2023	TSR# 101562222	LAMR230-MIDW	LTFPTP	33 (33)	1/1/2025	Rollover Service	SIS	TBD	Yes	CONFIRMED
TSR-23-1025	10/25/2023 11/29/2023	TSR# 101436533	AMBROSIA230-GALLUP.FTM	LTFPTP	1 (1)	1/1/2024	Rollover Service	N/A	N/A	Yes	Active
TSR-23-1012	10/12/2023 10/12/2023	TSR# 101387852	COMA-OJO345	LTFPTP	4 (4)	1/1/2024	CONFIRMED	N/A	N/A	Yes	Active
TSR-23-1012	10/12/2023 10/12/2023	TSR# 101050758	COMA-OJO345	LTFPTP	12 (12)	1/1/2024	CONFIRMED	N/A	N/A	Yes	Active
TSR-23-0809A	8/09/2023 8/24/2023	TSR# 100516054	CRG-FOURCORNE345	LTFPTP	27	TBD	Application Withdrawn	N/A	N/A	N/A	No Service Provided
TSR-23-0809B	8/09/2023 8/24/2023	TSR# 100516055	CRG-FOURCORNE345	LTFPTP	23	TBD	Application Withdrawn	N/A	N/A	N/A	No Service Provided



Study Requests

Study/Information Requests

- Transmission Study Requests

- None received outside of the sub-regional planning groups (CCPG, SWAT)
- Any new requests for discussion?

- Economic Study Requests

- None received outside of regional study process (WestConnect)
 - Due to Tri-State by Sept 1 each year for discussion at this annual meeting
- Submit any requests to Tri-State at: transmissionplanning@tristategt.org

- Information Requests

- Load and Resource information requests have been sent to Network Customers
 - Tri-State requests Network Customers continue to provide updates to Load and Resource information, as well as other modeling information, to assist in preparation of our ten-year transmission plan





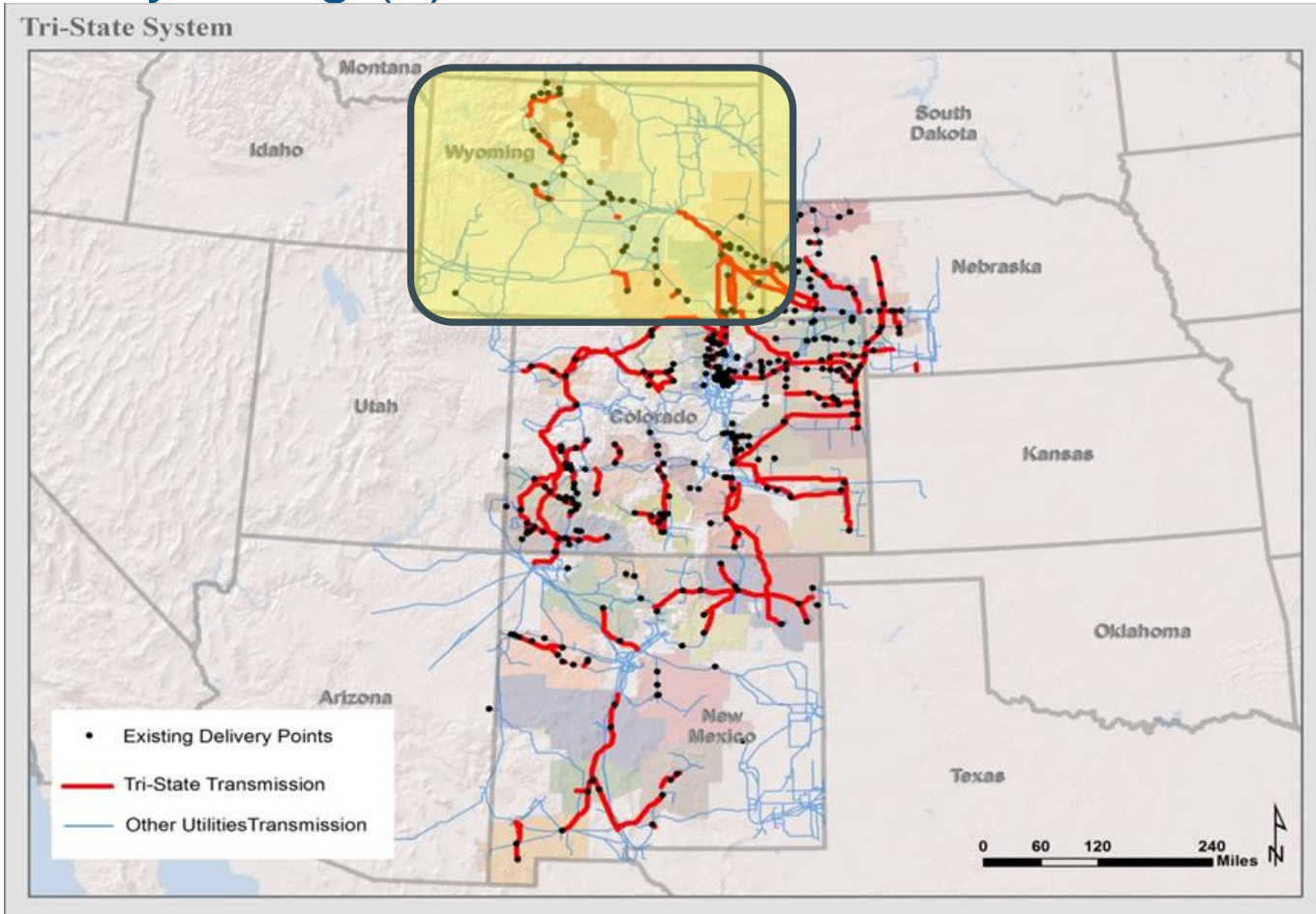
Projects

Project Status Categories

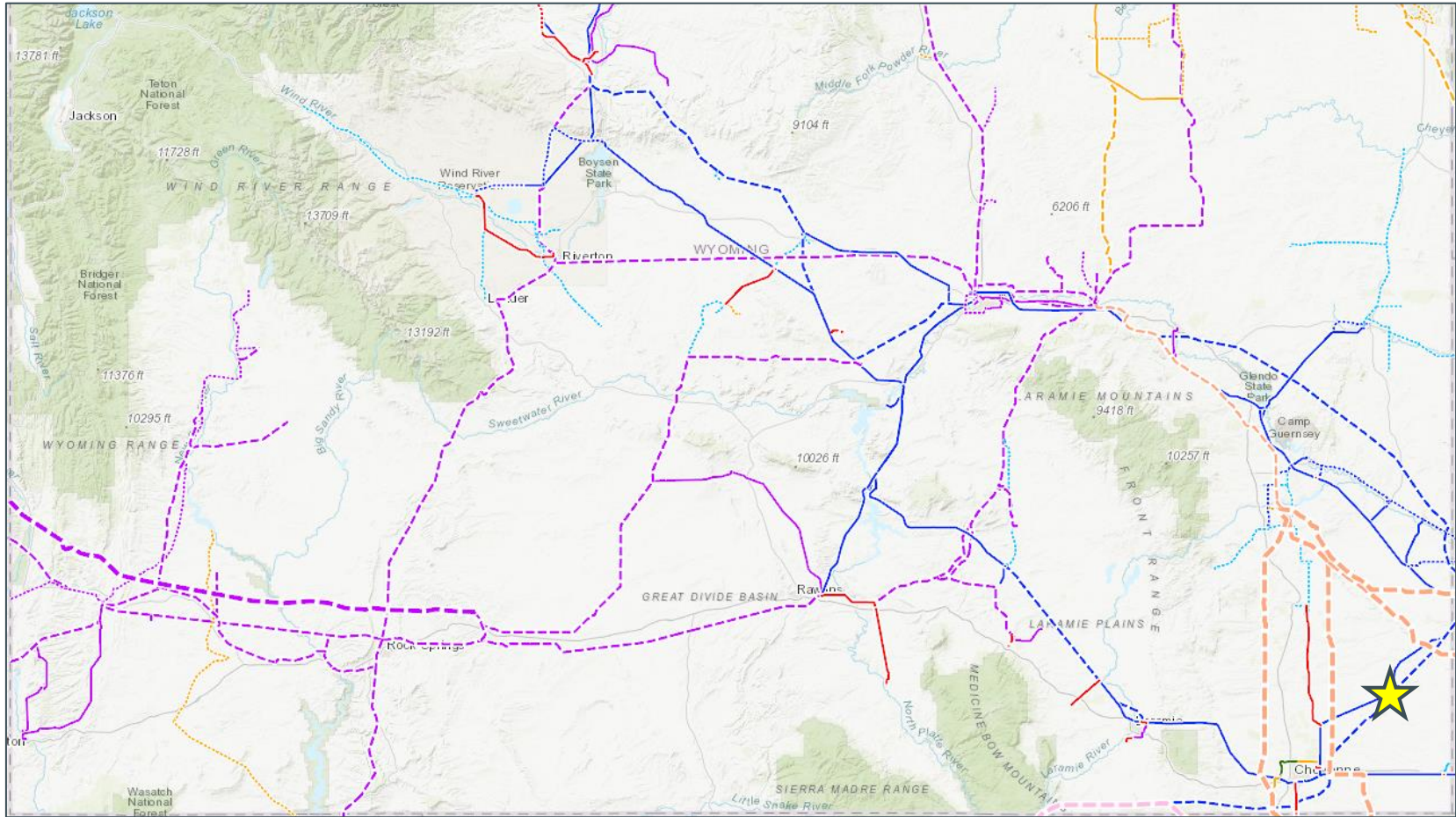
- Developing
 - Some objectives and needs have been identified. Some alternatives have or are being considered, but stakeholder proposed alternatives are also requested.
- Conceptual
 - Conceptual/hypothetical objectives and needs. Alternative(s) has been decided. Project drivers are uncertain.
- Planned
 - Objectives and needs are clearer at the current time, but are subject to change. Preferred alternative(s) has been identified. Project drivers have more certainty than Conceptual projects.
- Under-Construction
 - Board approved project. Project has started accruing costs due to preliminary activities (i.e. design, routing, permitting, regulatory activities), and/or actual construction.
- Energized
- Canceled

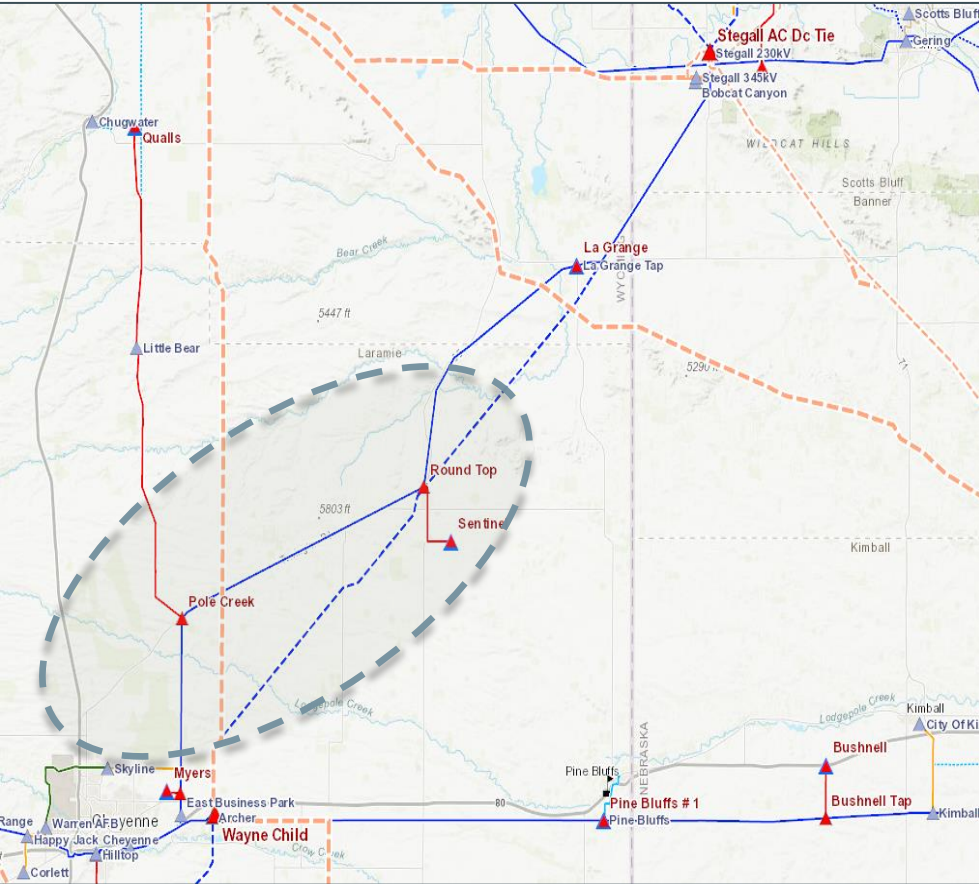


Projects: Wyoming (2)



Archer – Stegall Sectionalizing Project

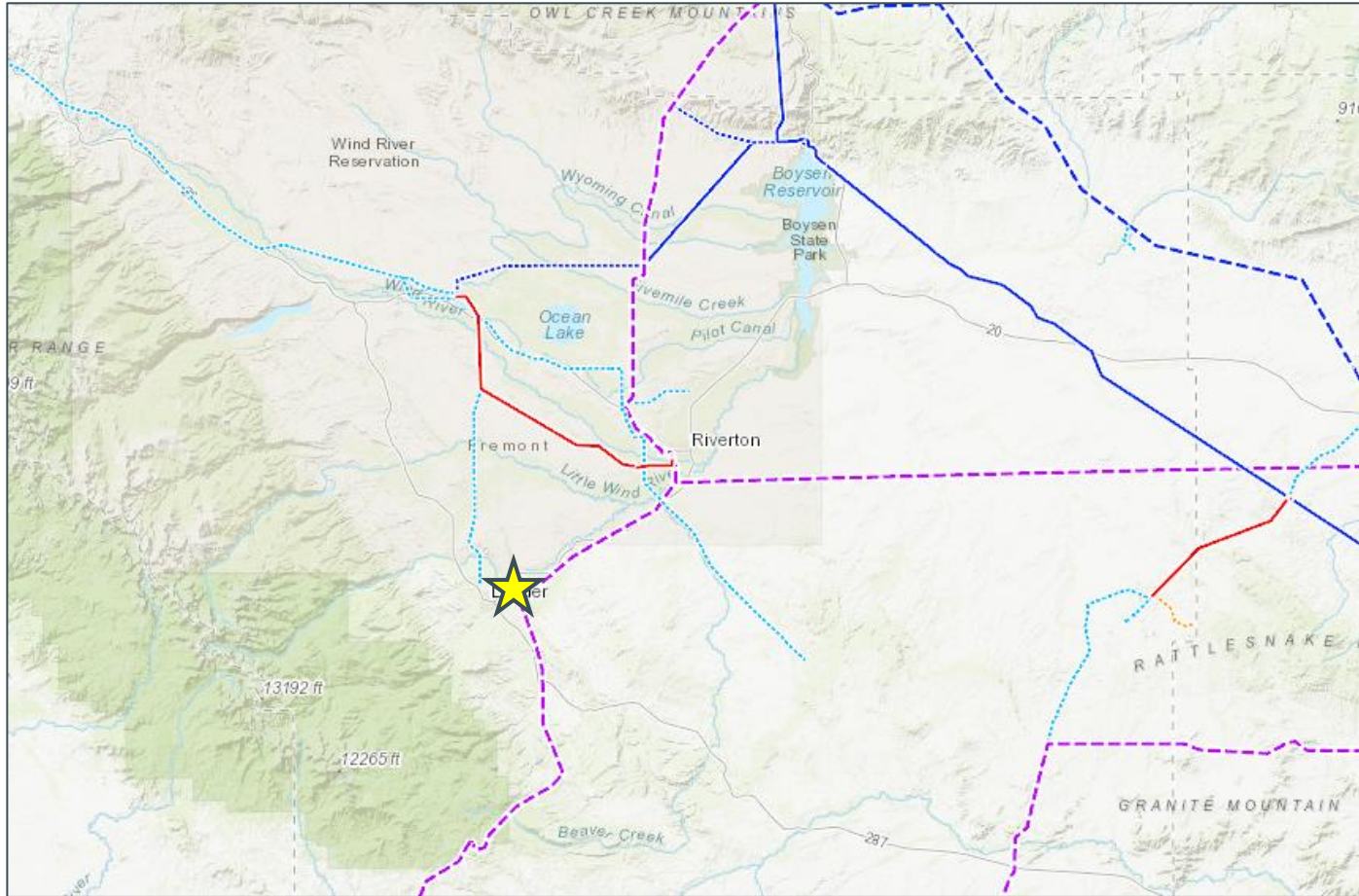




Archer - Stegall Sectionalizing Project

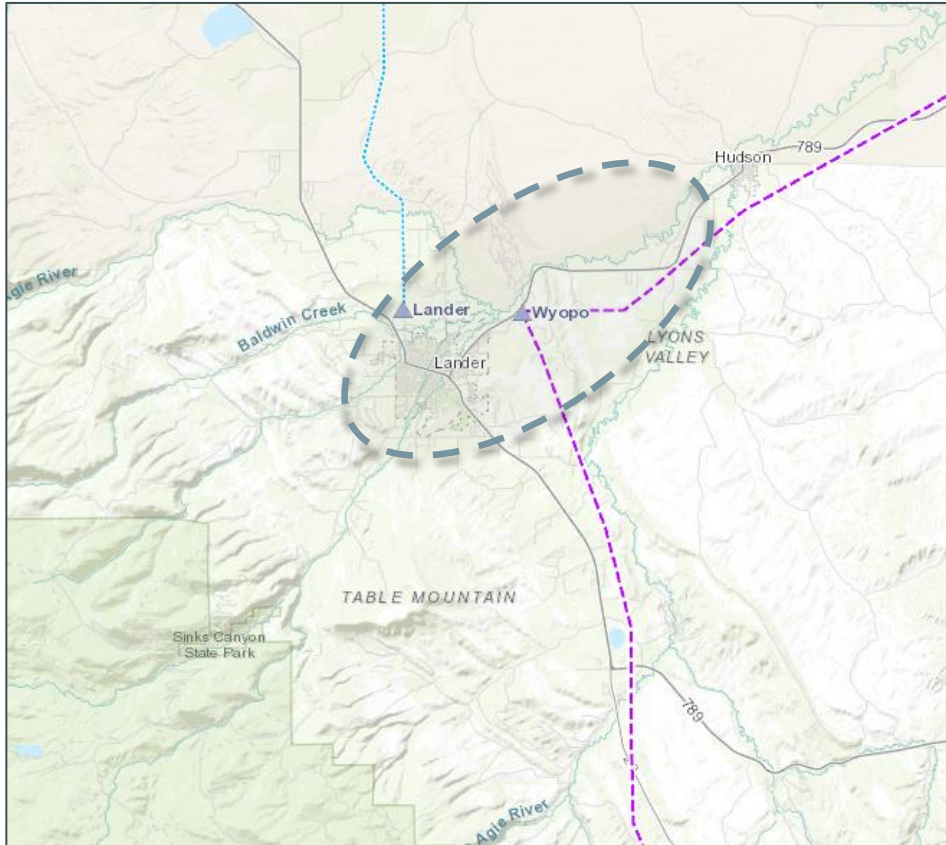
Description:	Sectionalize Archer – Stegall 115 kV line with a new 115 kV three breaker ring bus (expandable to four) at Pole Creek and two 115 kV line breakers at Round Top
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2025
Purpose:	Reliability

Wyopo 34.5 kV Delivery Point

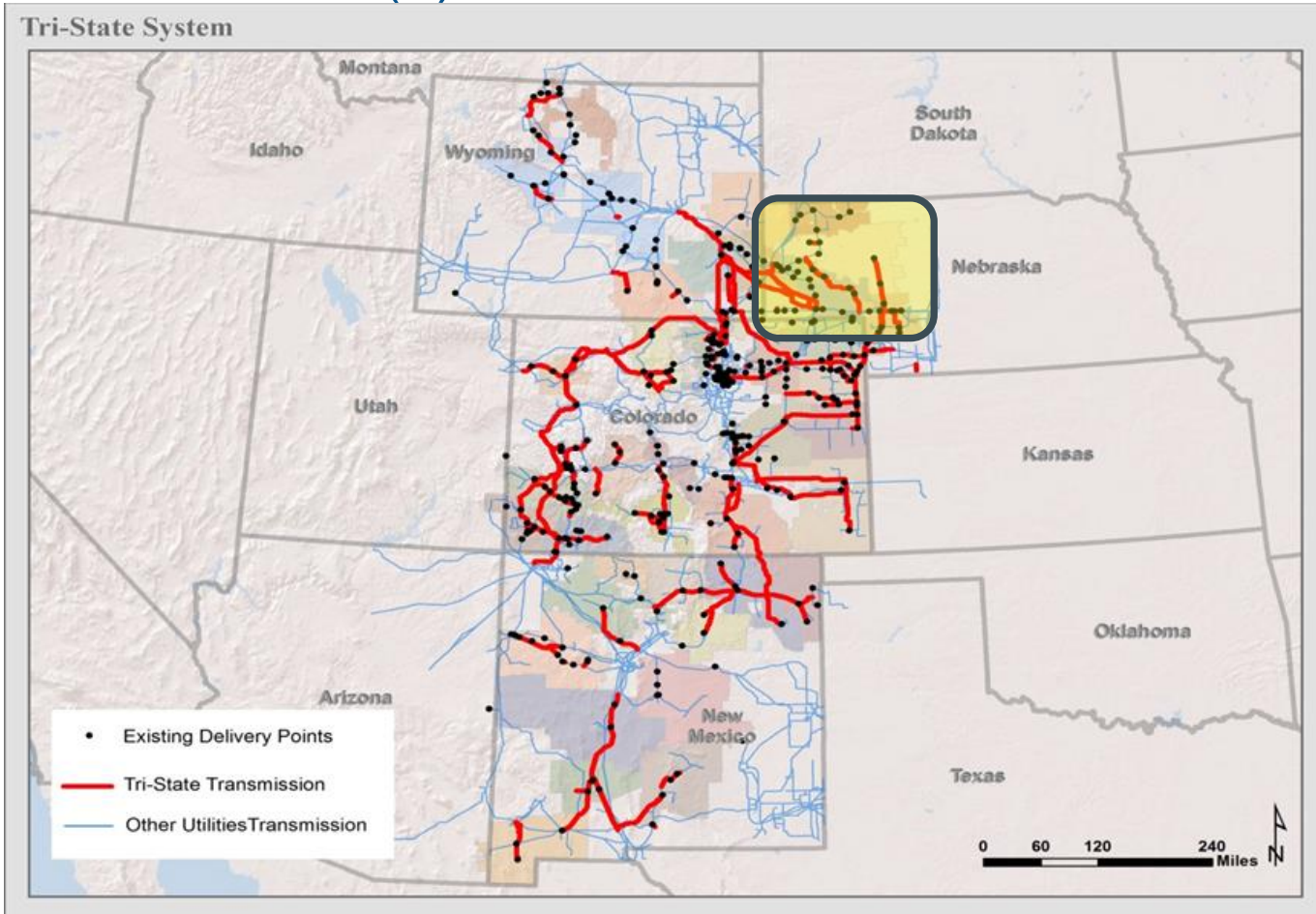


Wyopo 34.5 kV Delivery Point

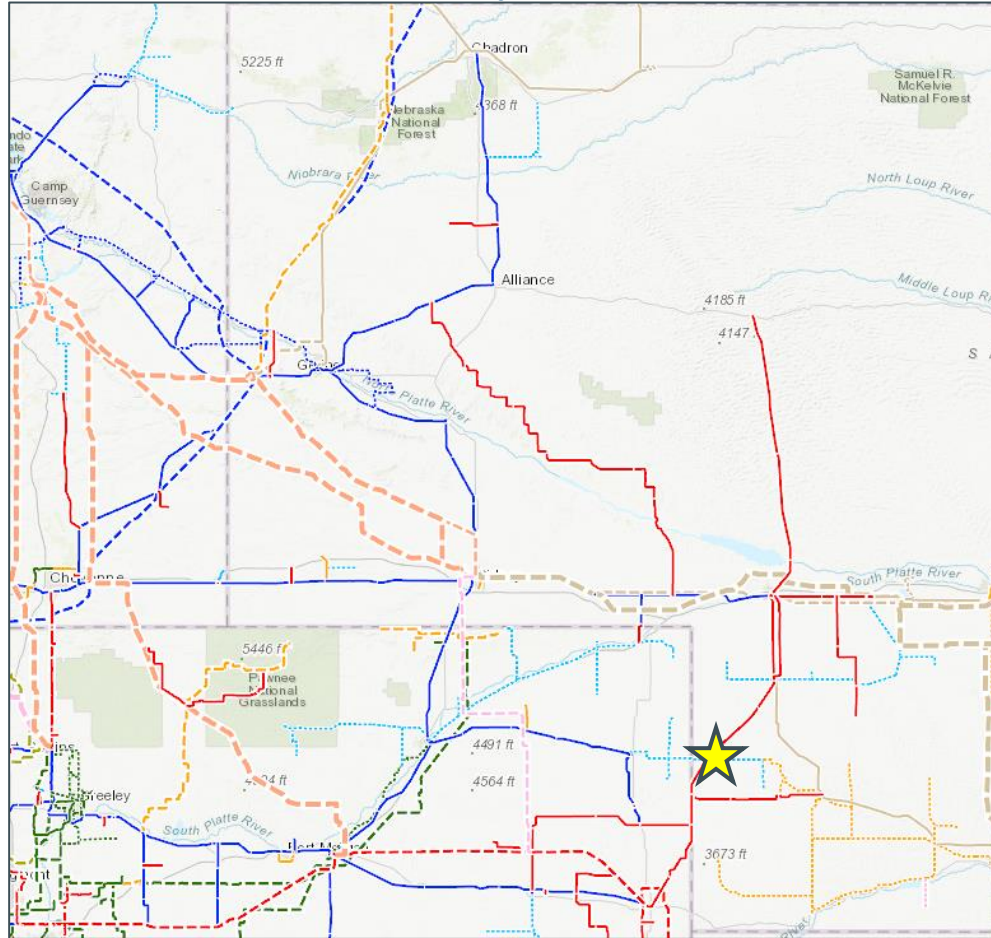
Description:	High Plains Power (HPP) has requested a new Lander Delivery Point (DP) be established at PacifiCorp's (PACE) Wyopo substation. The project consists of a 69 kV breaker addition and associated metering at Wyopo.
Voltage:	34.5 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2027
Purpose:	Reliability



Projects: Nebraska (3)



Lamar NE 115/69 kV Delivery Point Modification



Lamar NE 115/69 kV Delivery Point Modification

Description:

Replace existing 115/69 kV transformer T1 with a 60 MVA transformer. Amherst and Amitie load will be transferred to Frenchman Creek. T2 will be remain energized as a hot standby-spare.

Voltage:

115 kV

Length:

N/A

Type:

Substation

Status:

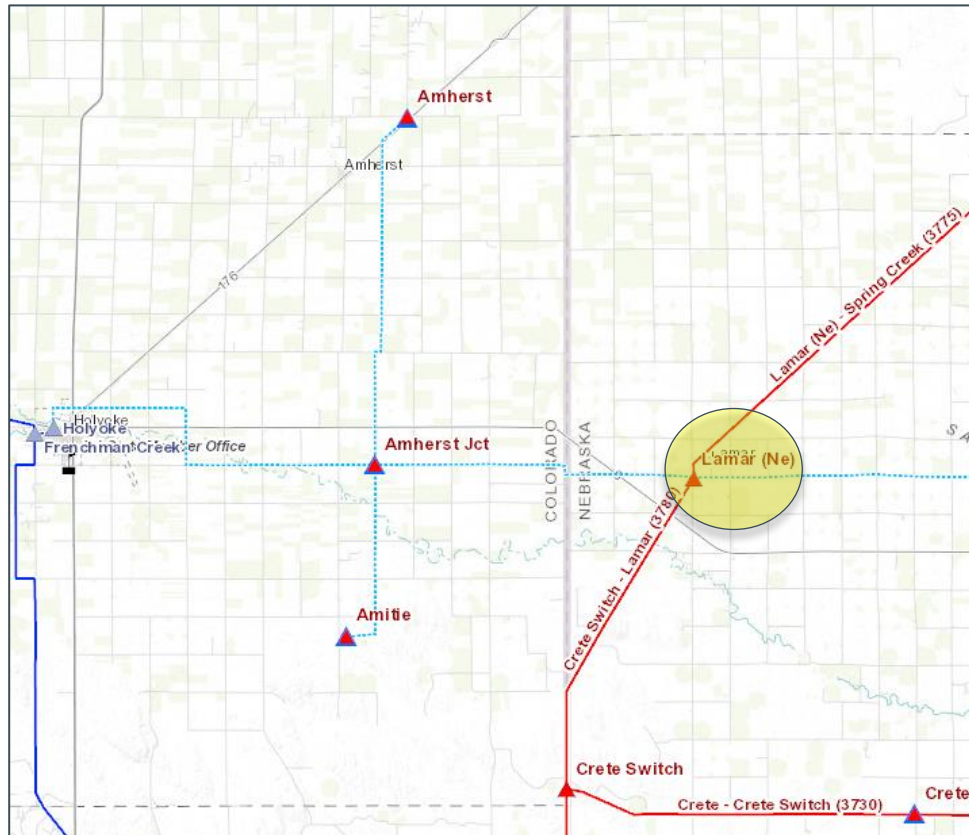
Under Construction

Planned ISD:

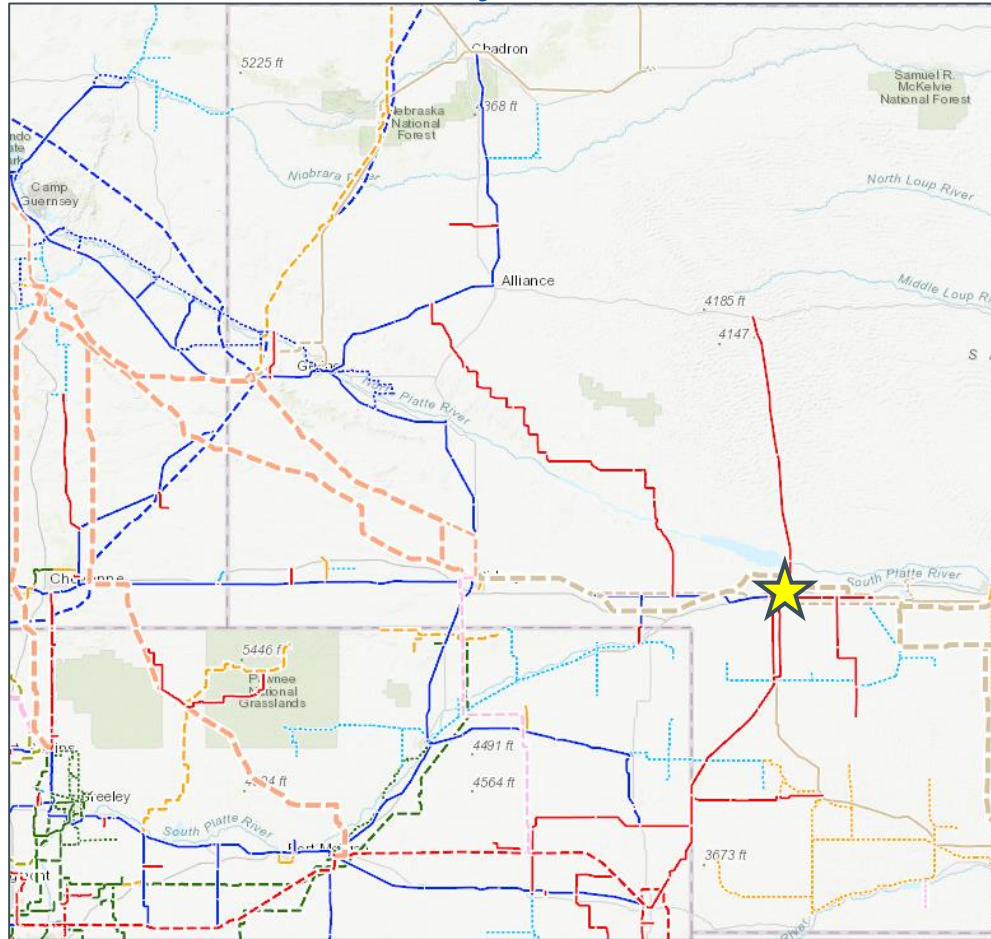
2027

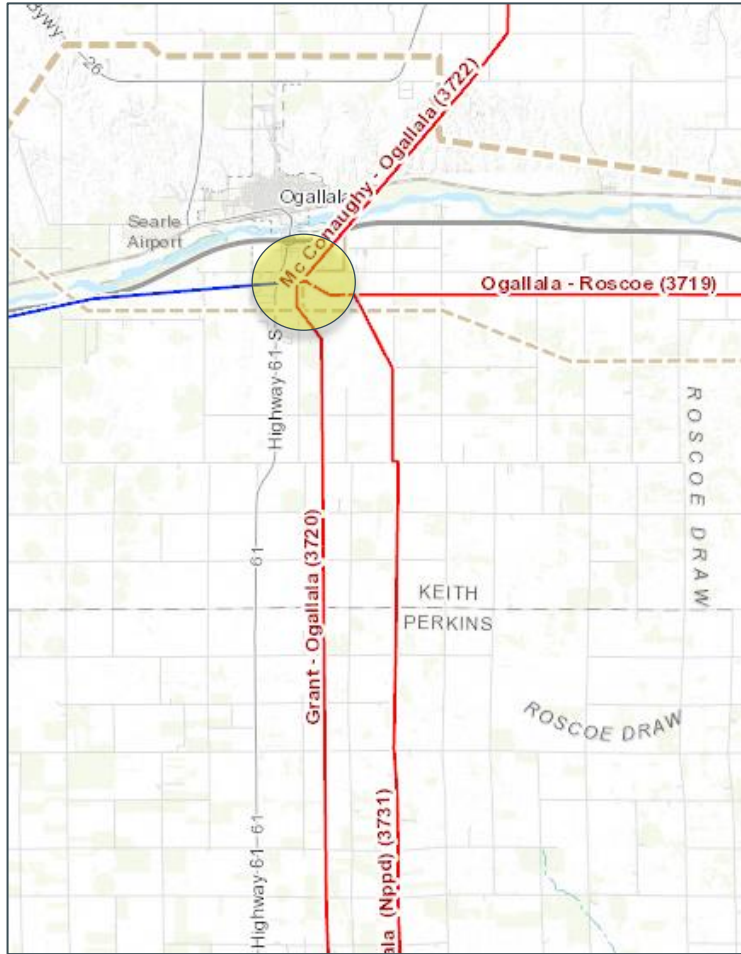
Purpose:

Load Serving



Ogallala 115/34.5kV Delivery Point

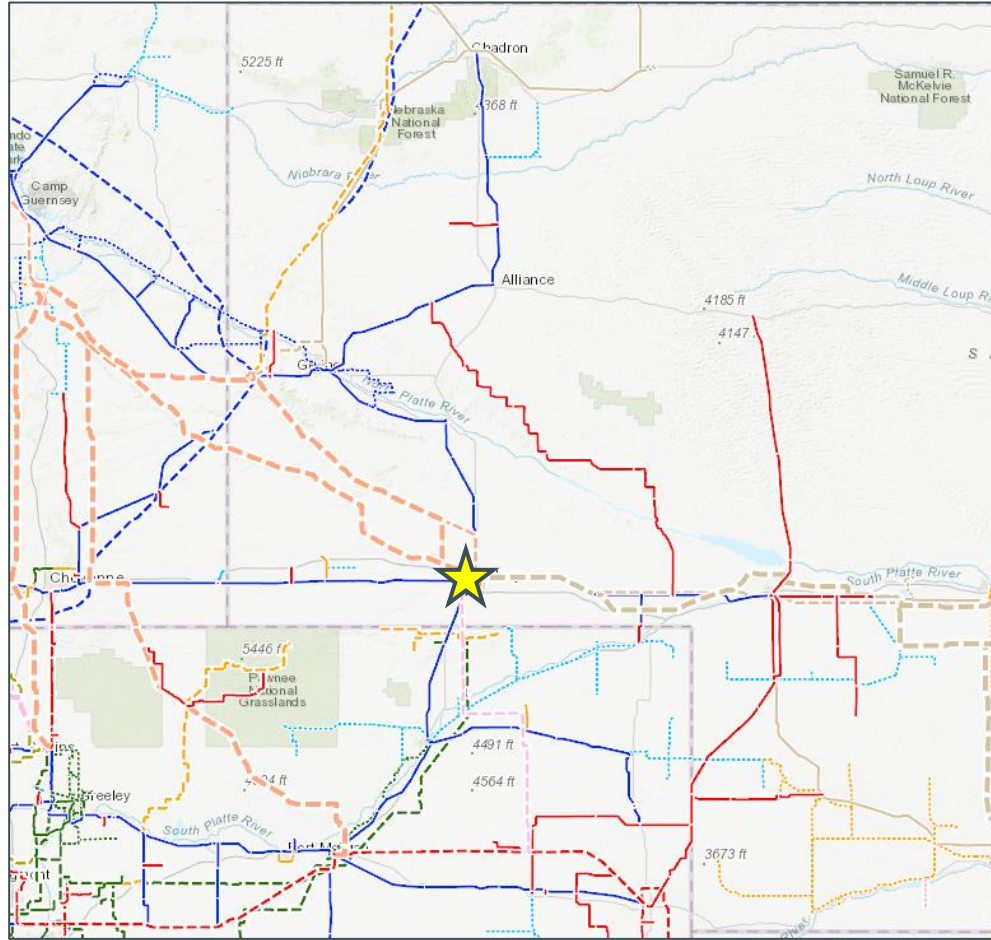




Ogallala 115/34.5kV Delivery Point

Description:	Establish a new 115 kV DP for MWECC. Scope of project includes a 115 kV breaker addition inside Tri-State’s Ogallala substation along with the installation of 115/34.5 kV 50 MVA transformer, low side 34.5 kV equipment and metering equipment.
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
ISD:	2026
Purpose:	Load Serving

Sidney Solar Interconnect

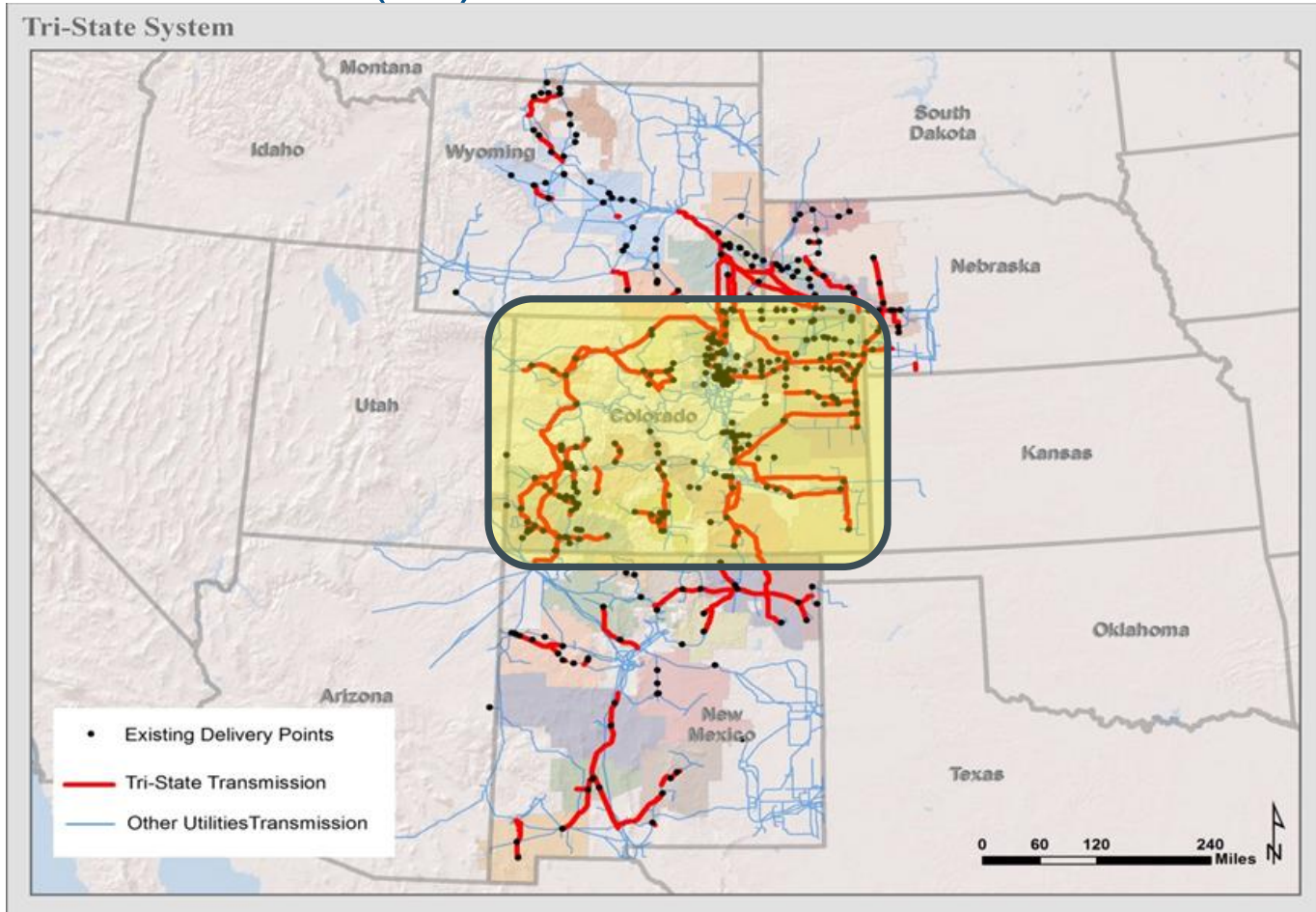


Sidney Solar Interconnect

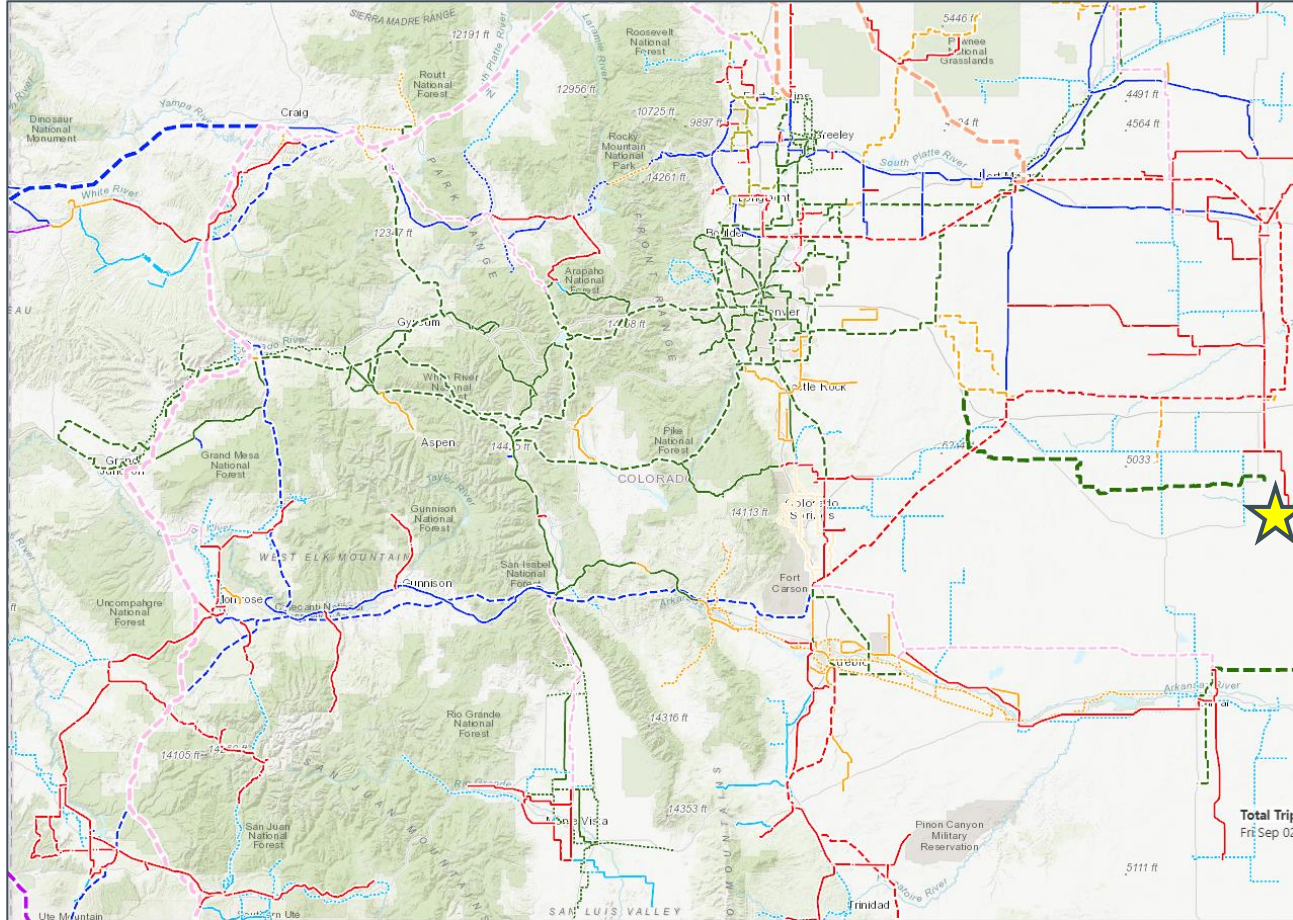
Description:	Construct a 115 kV line bay at the existing Sidney substation to accommodate solar interconnection
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
ISD:	2024
Purpose:	Generation Addition

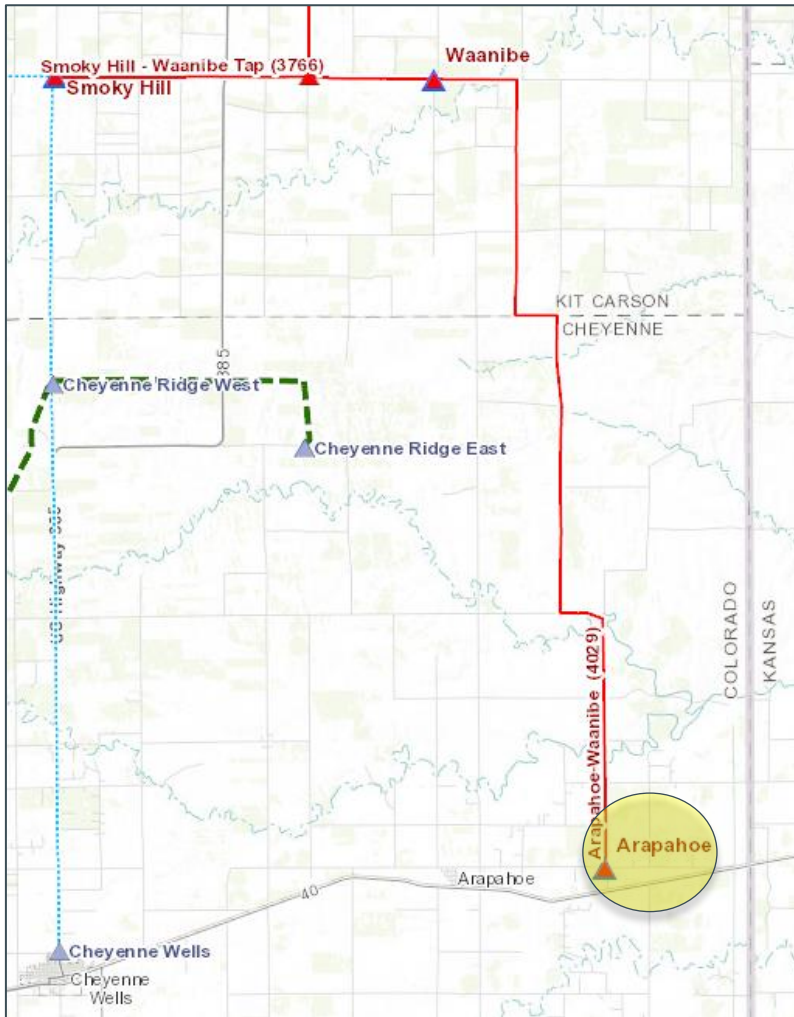


Projects: Colorado (27)



Arapahoe T1 Replacement

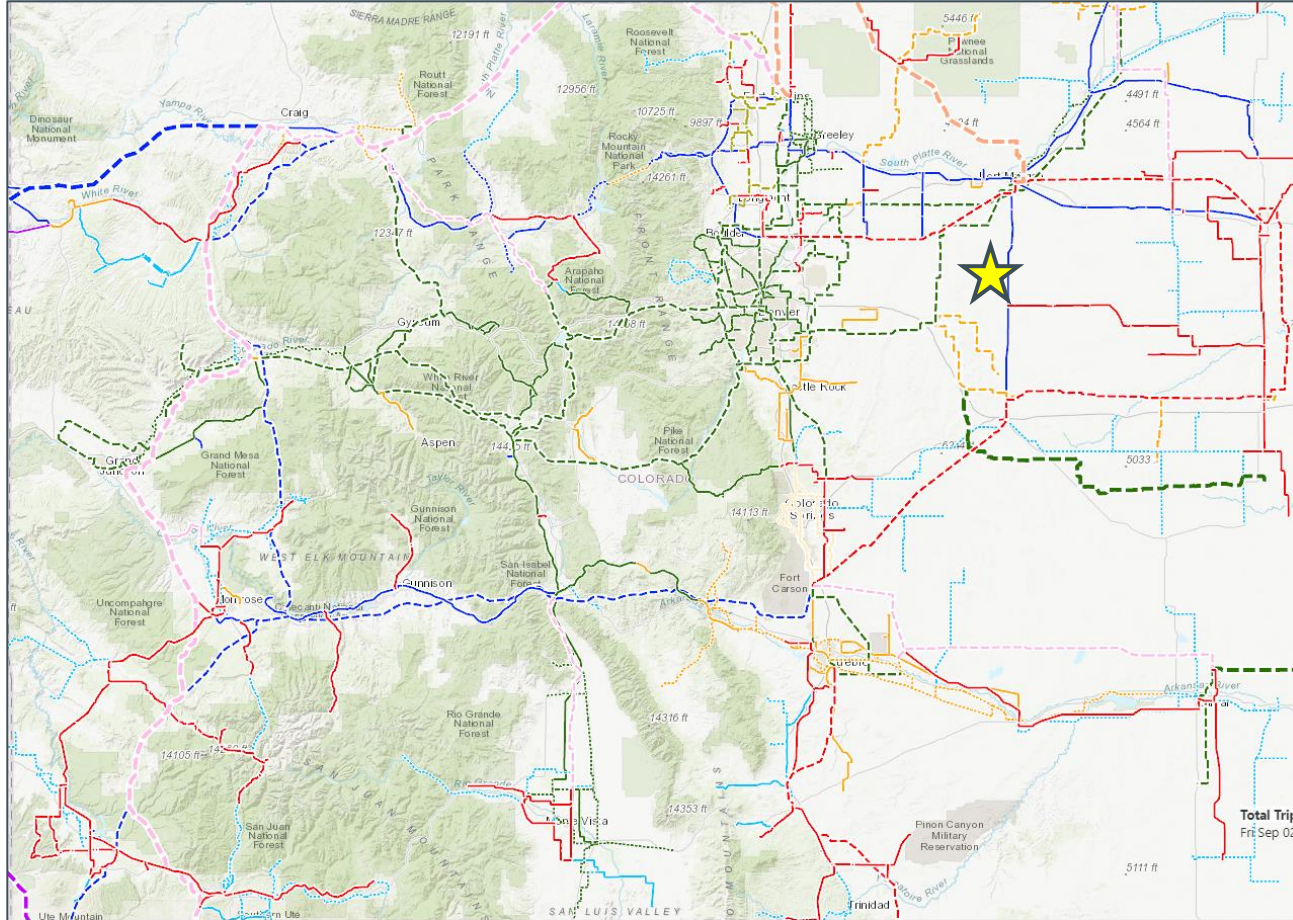


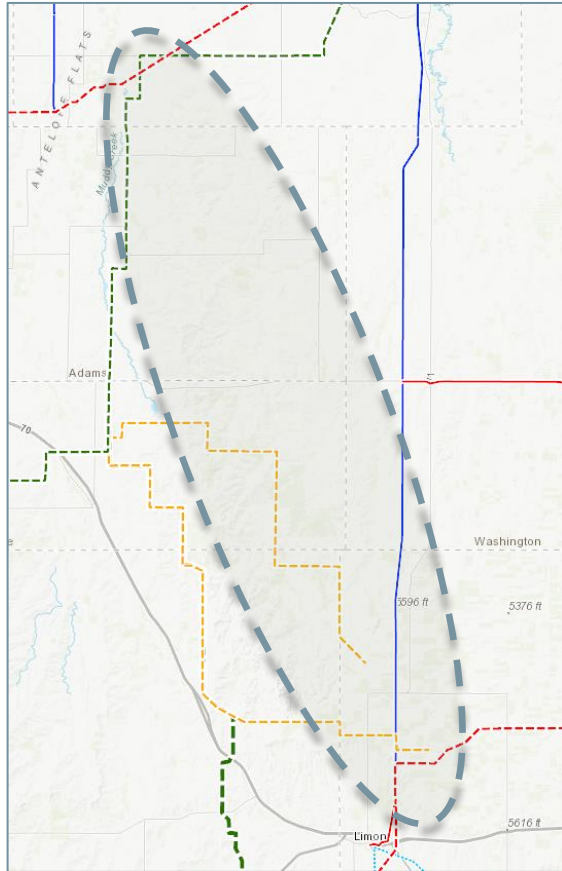


Arapahoe T1 Replacement

Description:	Replace 50-year-old 110/24.94 kV transformer with new 12.5 MVA 115/24.94 kV transformer.
Voltage:	115/24.94 kV
Length:	N/A
Type:	Substation
Status:	Planned
ISD:	2027
Purpose:	Load Serving

Big Sandy – Badger Creek 230 kV Line



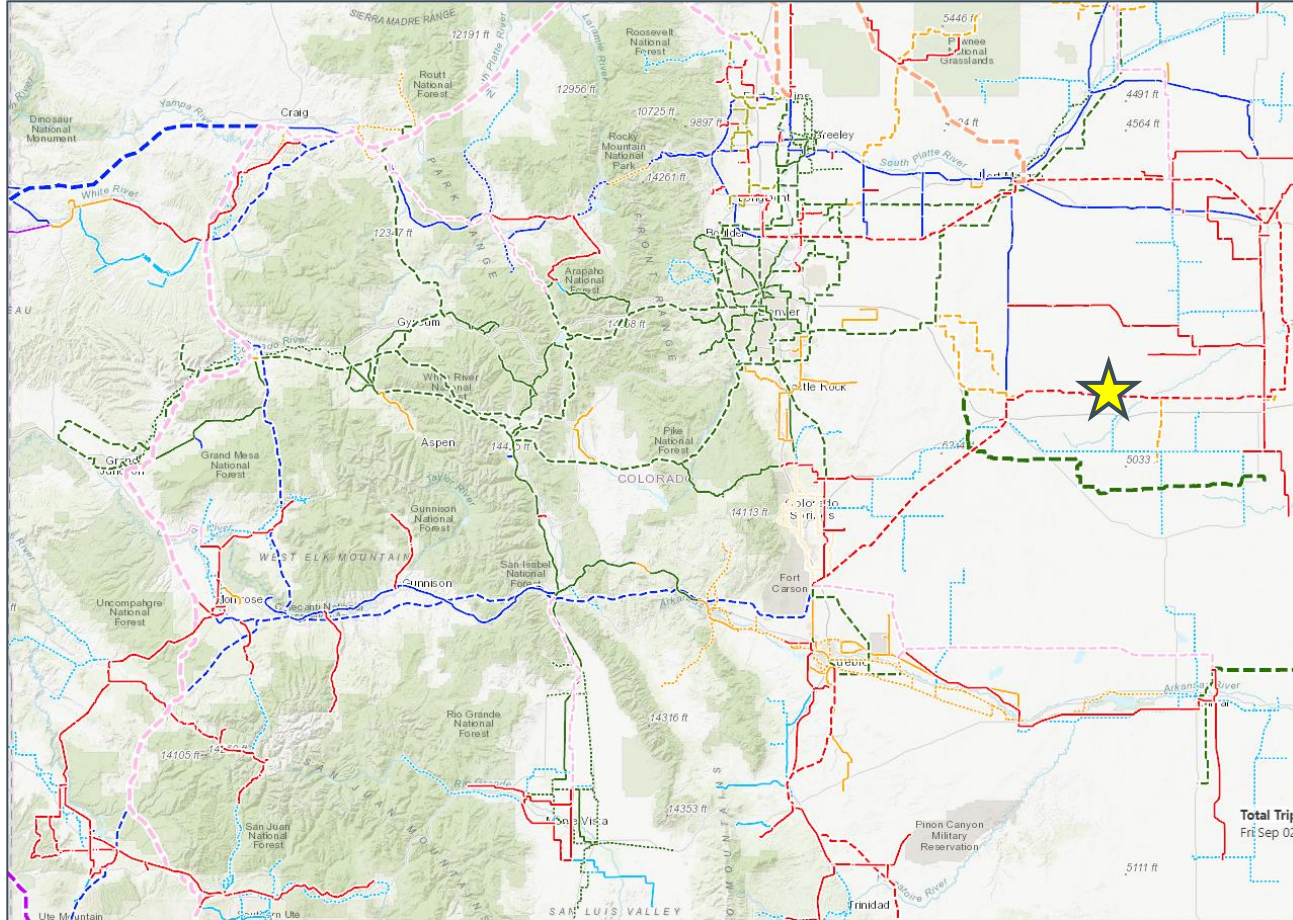


Big Sandy – Badger Creek 230 kV Line

Description:	Construct a 230 kV transmission line from existing Big Sandy Substation to new Badger Creek Substation.
Voltage:	230 kV
Length:	80 miles
Type:	Substation and Line
Status:	Planned
ISD:	2028
Purpose:	Reliability, improve load-serving capability, remove generation operating restrictions, and support renewable resource development in eastern Colorado.

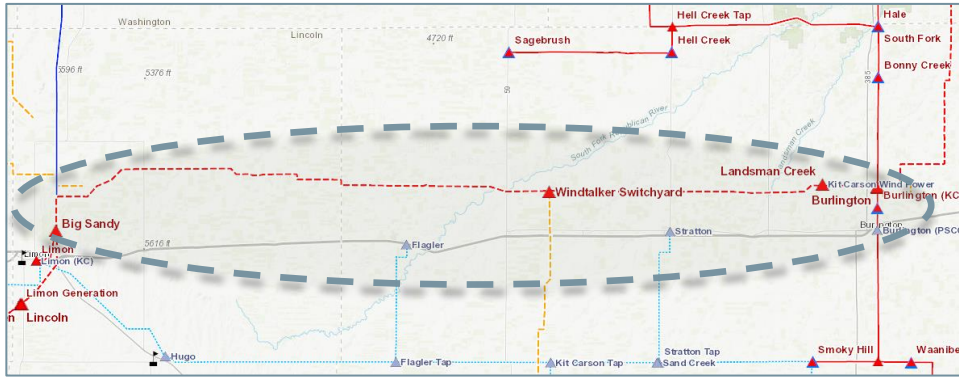


Big Sandy – Burlington 230 kV Line Uprate

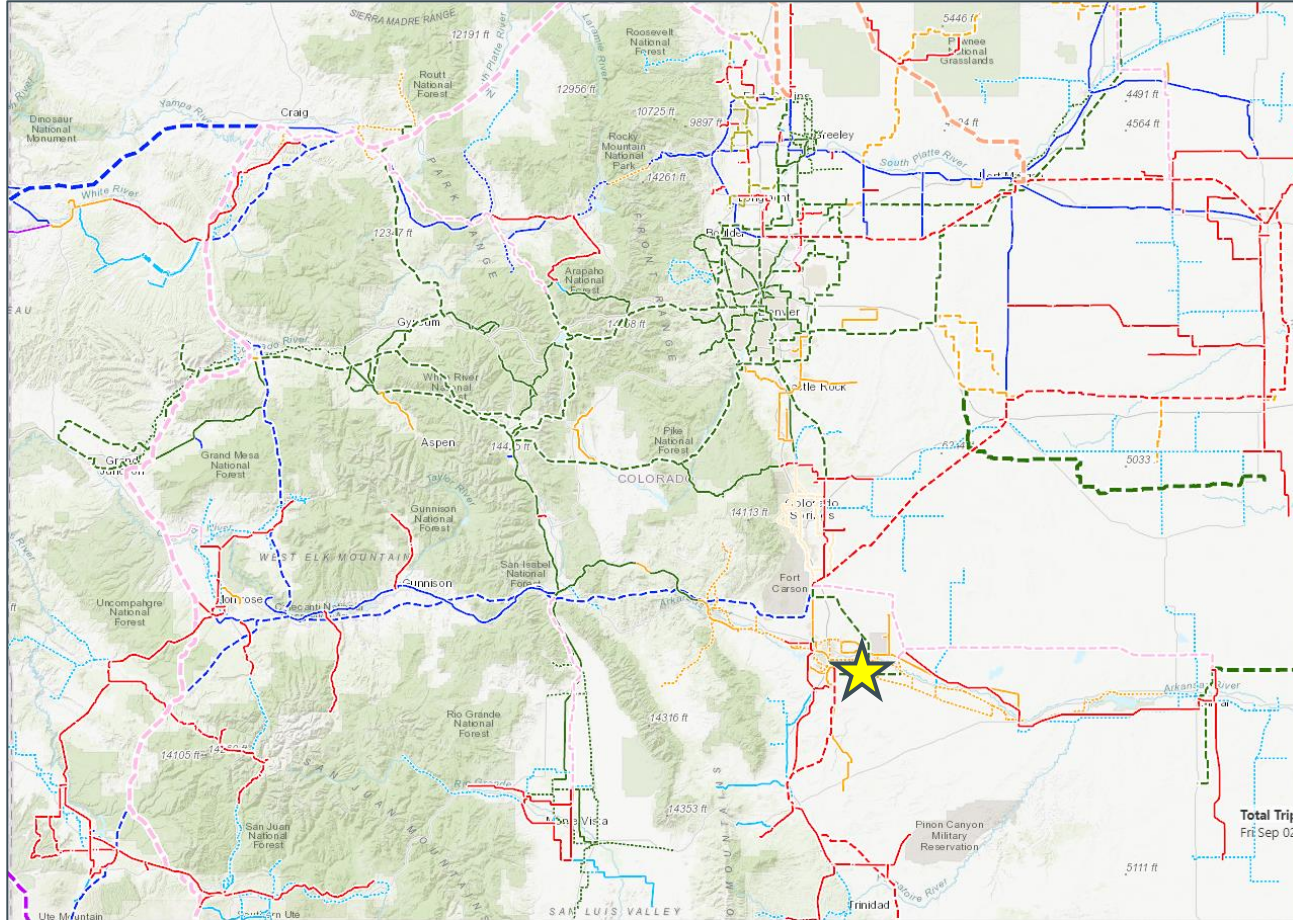


Big Sandy – Burlington 230 kV Line Uprate

Description:	Uprate of existing 230 kV line between Big Sandy and Burlington Substations.
Voltage:	230 kV
Length:	81 miles
Type:	Line
Status:	Planned
ISD:	2028
Purpose:	Increase overall line rating

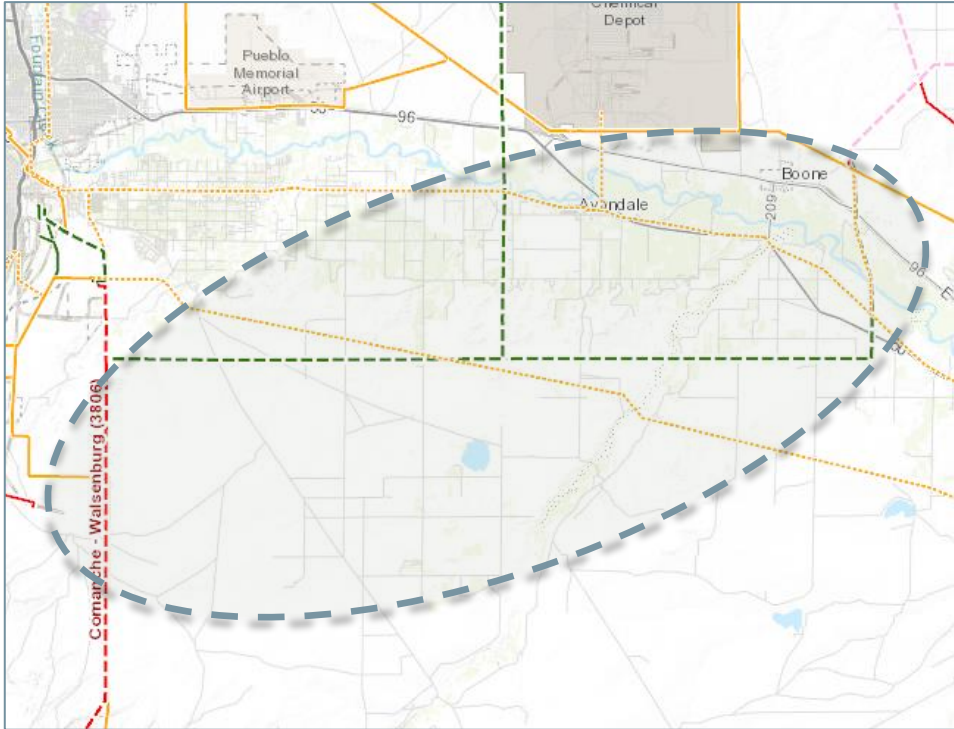


Boone – Huckleberry 230 kV Line

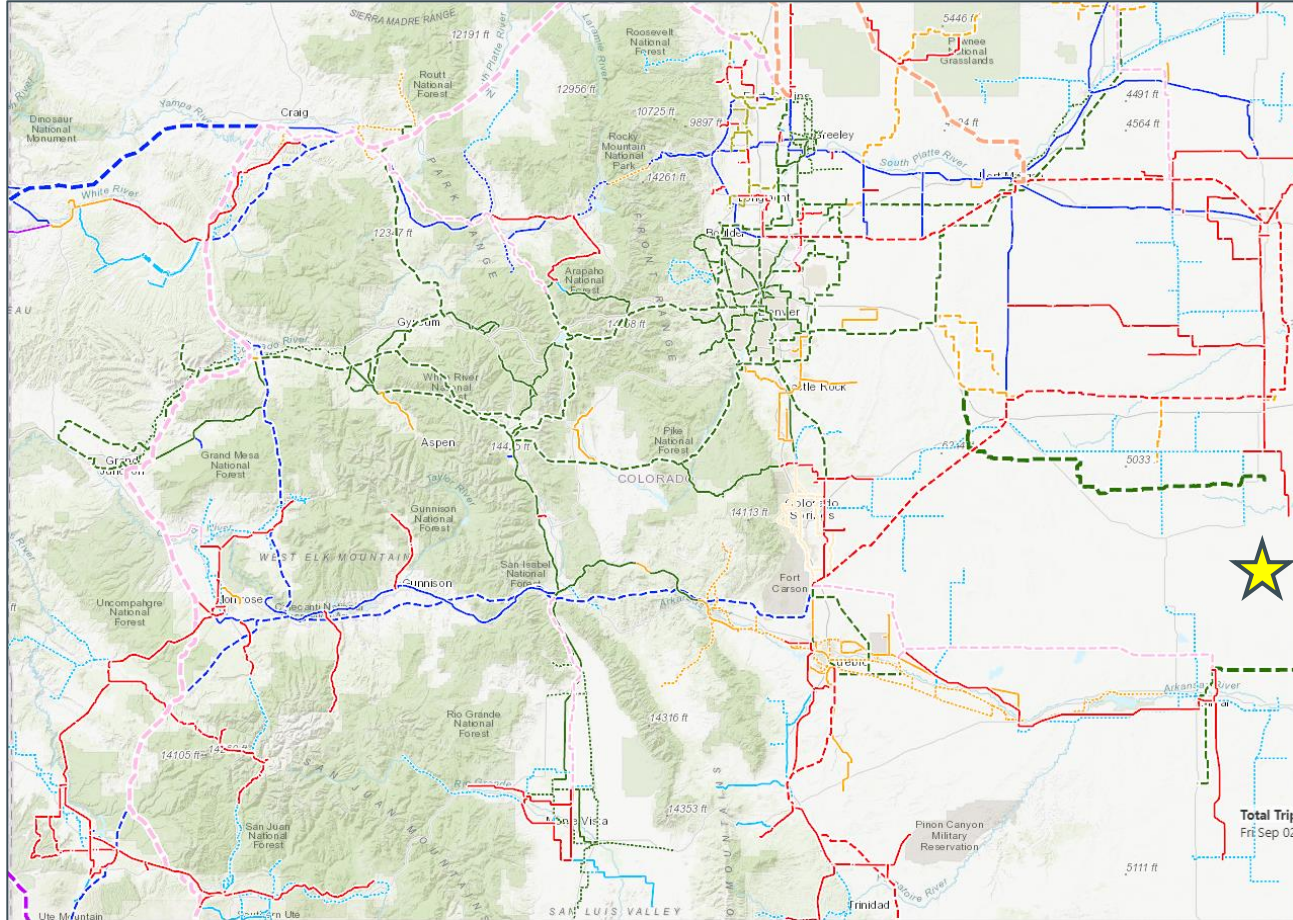


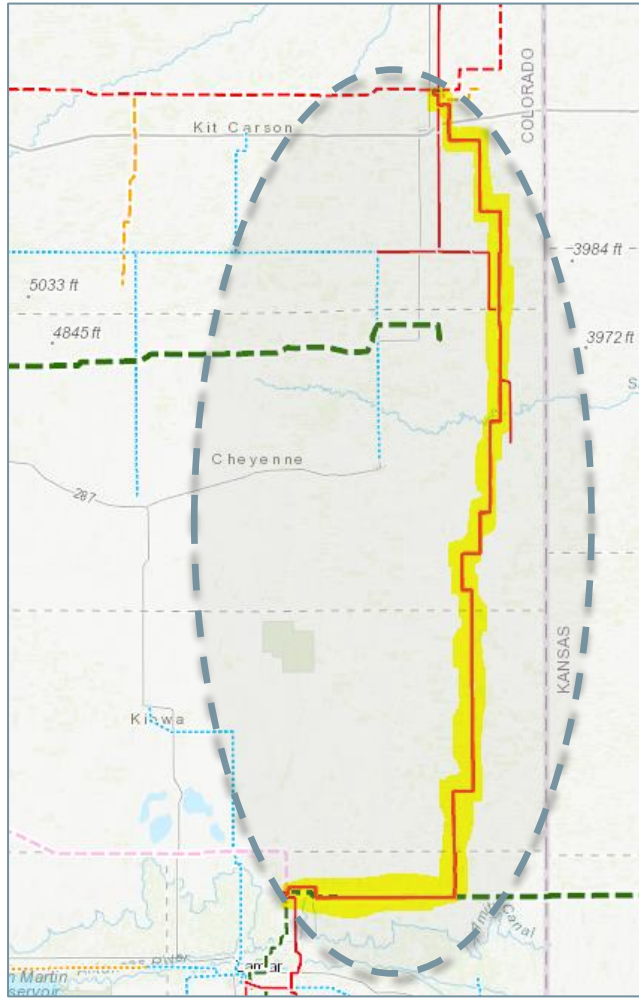
Boone – Huckleberry 230 kV Line

Description:	Construct a 230 kV transmission line from existing Boone Substation to new Huckleberry Substation.
Voltage:	230 kV
Length:	30 miles
Type:	Substation and Line
Status:	Planned
ISD:	2026
Purpose:	Reliability, improve load-serving capability, and support renewable resource development in eastern Colorado.



Burlington – Lamar 230 kV Line

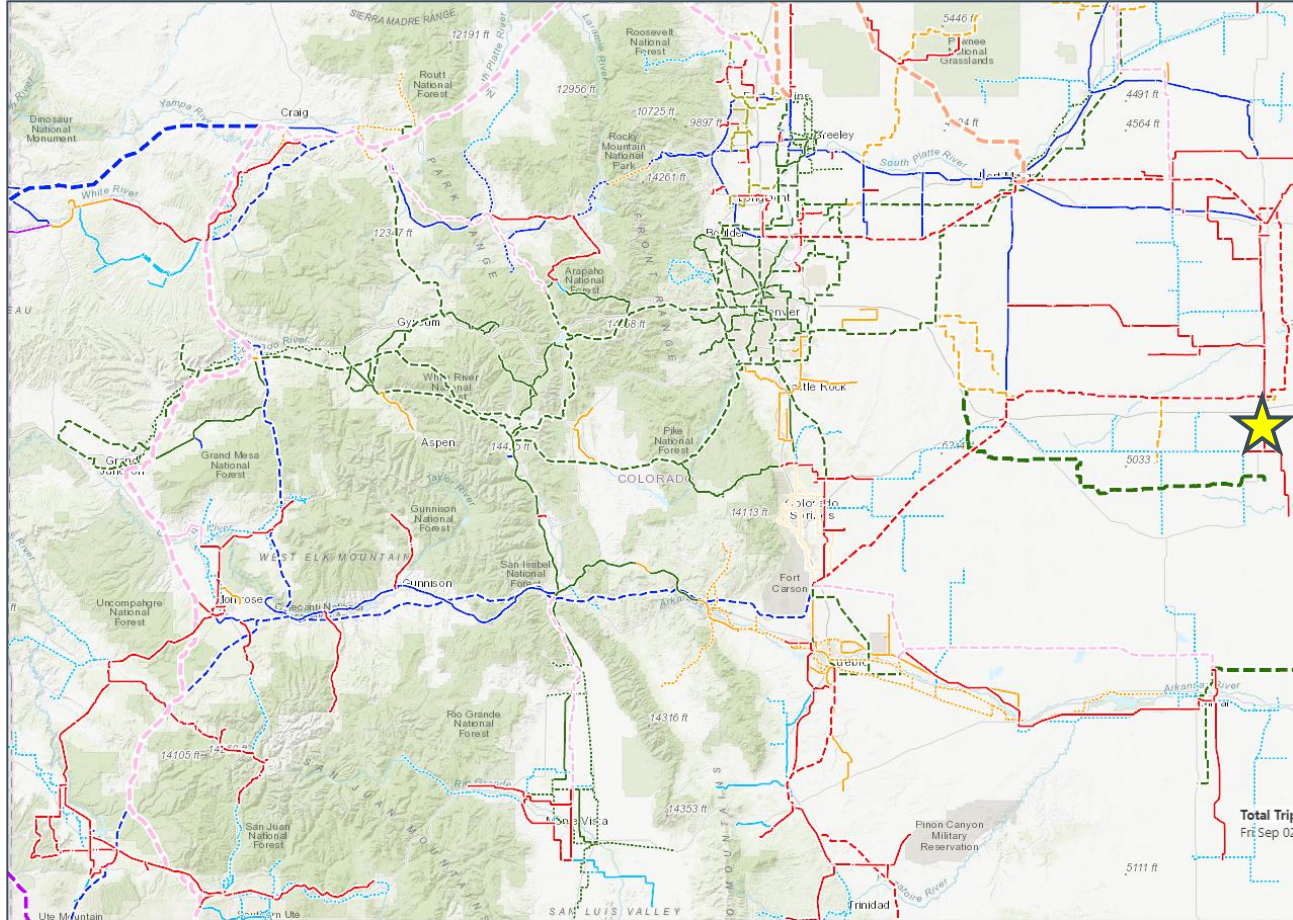


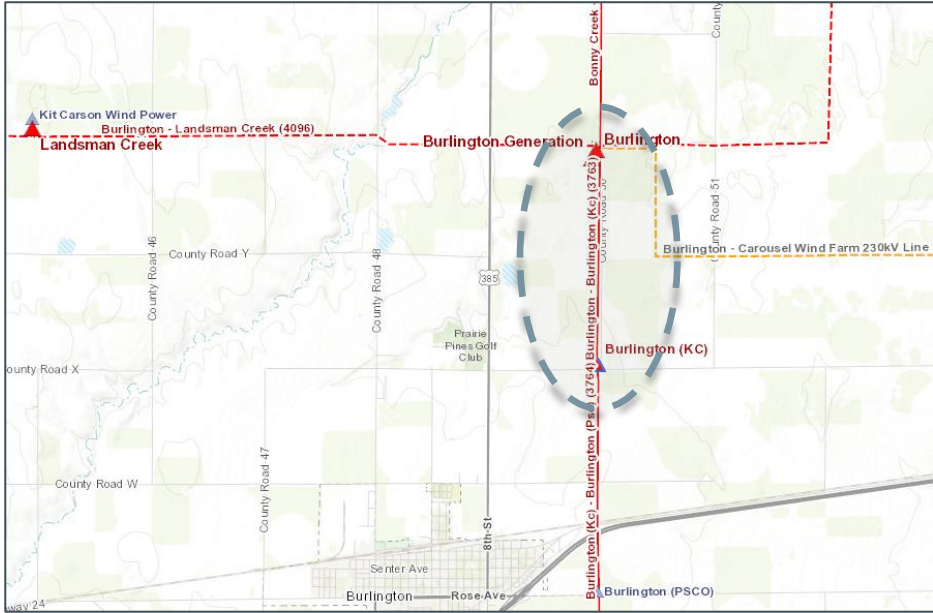


Burlington – Lamar 230 kV Line

Description:	Construct a 230 kV transmission line from existing Burlington Substation to the existing Lamar Substation.
Voltage:	230 kV
Length:	107 miles
Type:	Line
Status:	Under Construction
ISD:	2025
Purpose:	Reliability, improve load-serving capability, remove generation operating restrictions, and support renewable resource development in eastern Colorado.

Burlington (TS) – Burlington (KCEA) 115 kV Reconductor

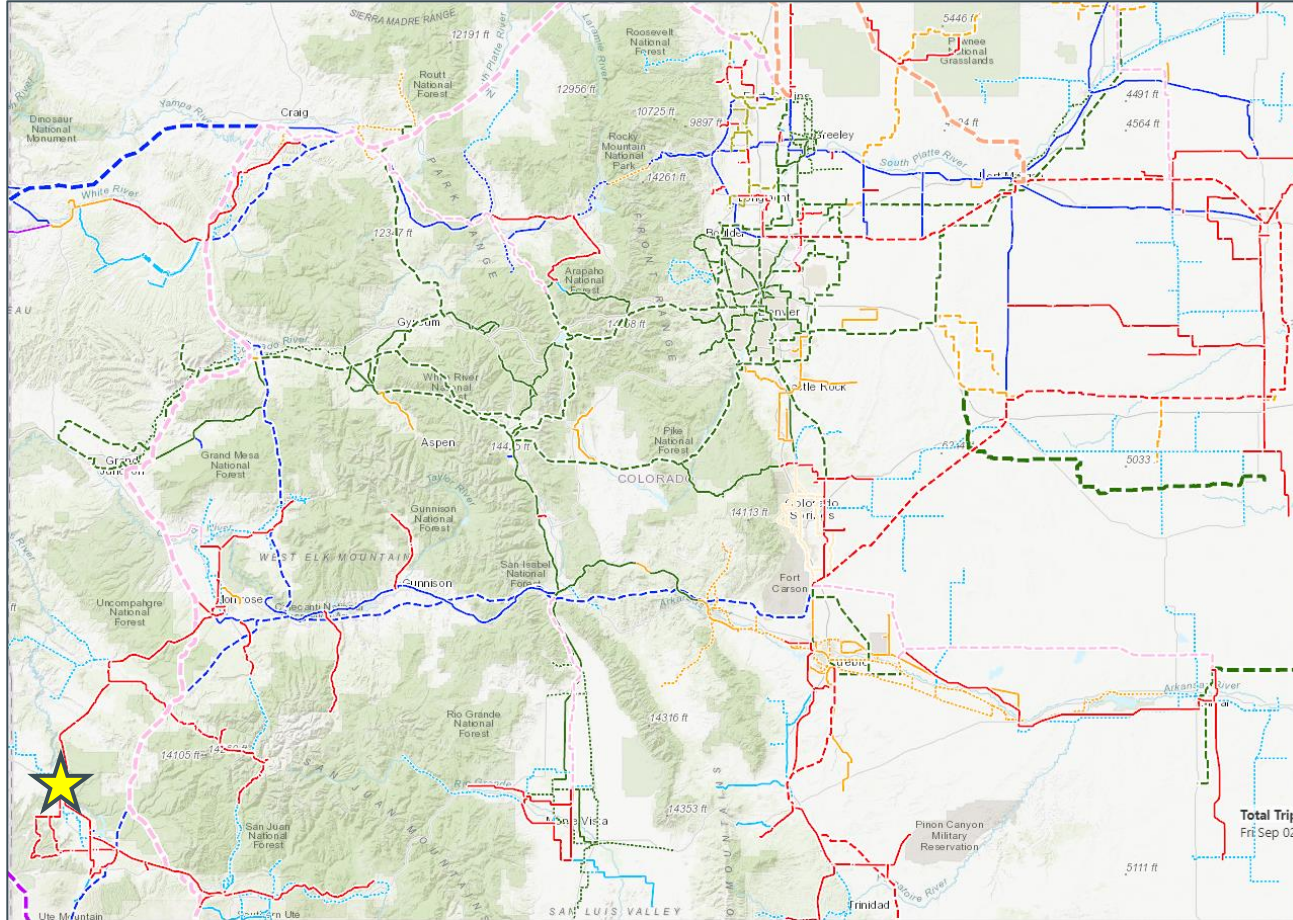


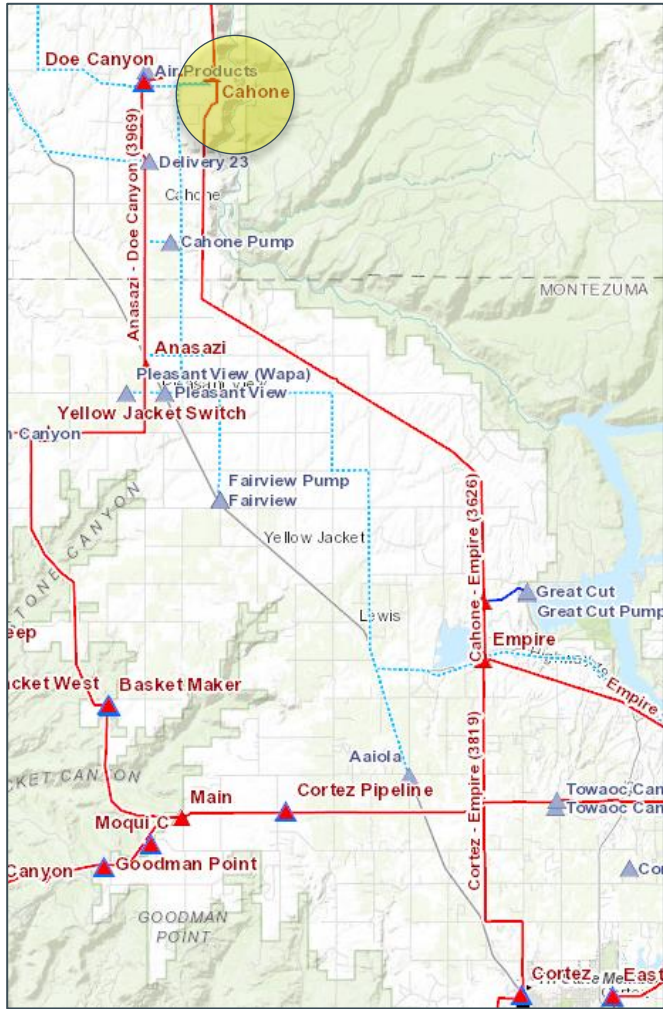


Burlington (TS) – Burlington (KCEA) 115 kV Reconductor

Description:	Reconductor existing 266.8 ACSR line with 795 ACSR.
Voltage:	115 kV
Length:	1.87 miles
Type:	Line
Status:	Conceptual
Planned ISD:	N/A
Purpose:	Accommodate distribution system load shifting.

Cahone Line Bay Addition (Dolores Canyon Solar)

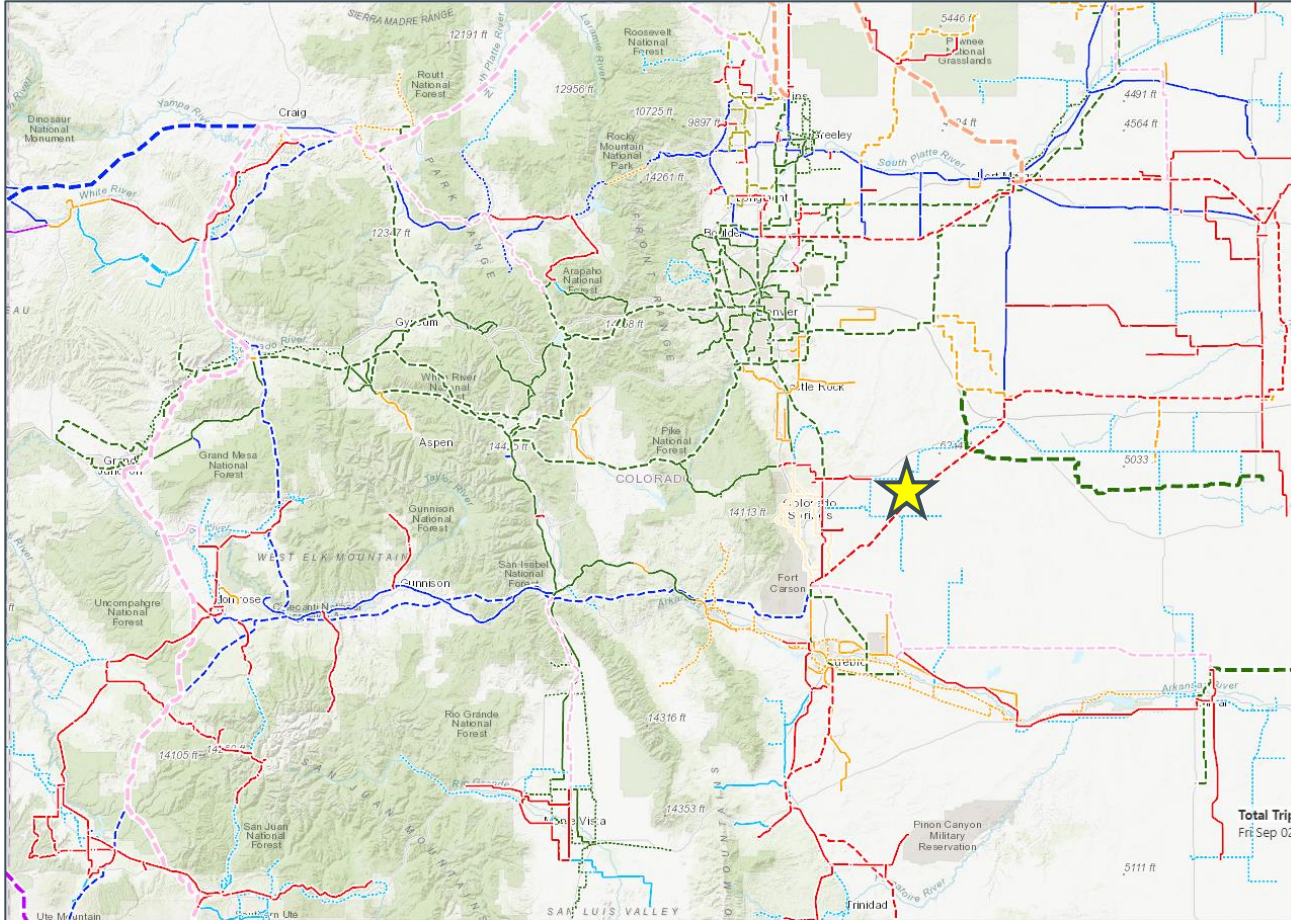


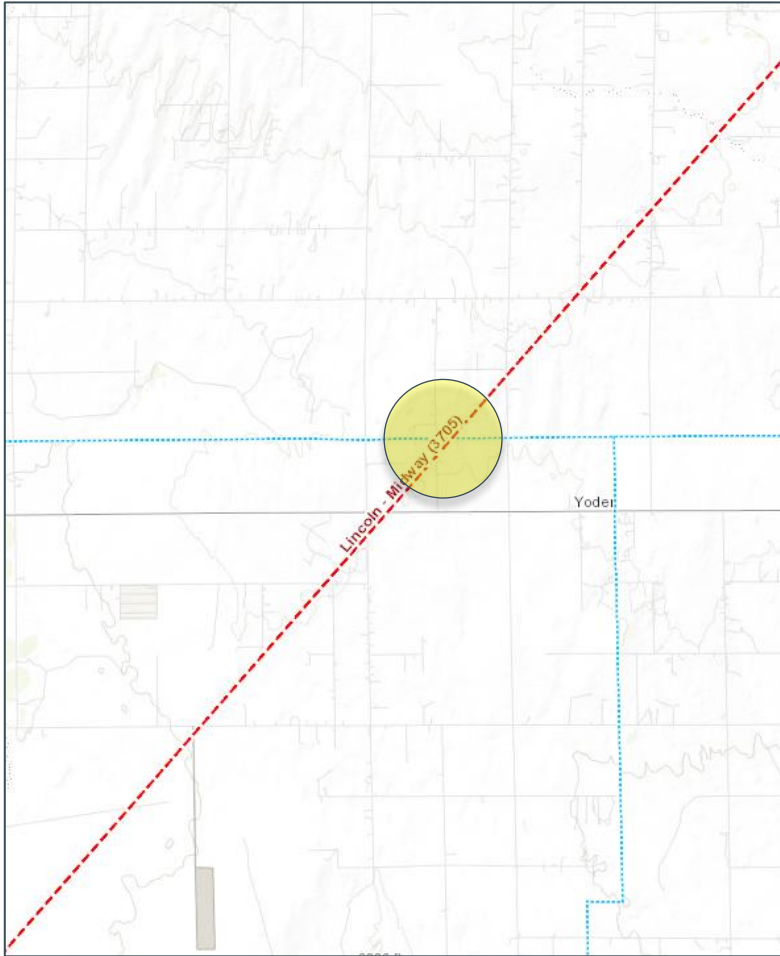


Cahone Line Bay Addition (Dolores Canyon Solar)

Description:	Construct a 115 kV line bay at the existing Cahone Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2024
Purpose:	Generation Addition

Cross Point 230/69kV Delivery Point



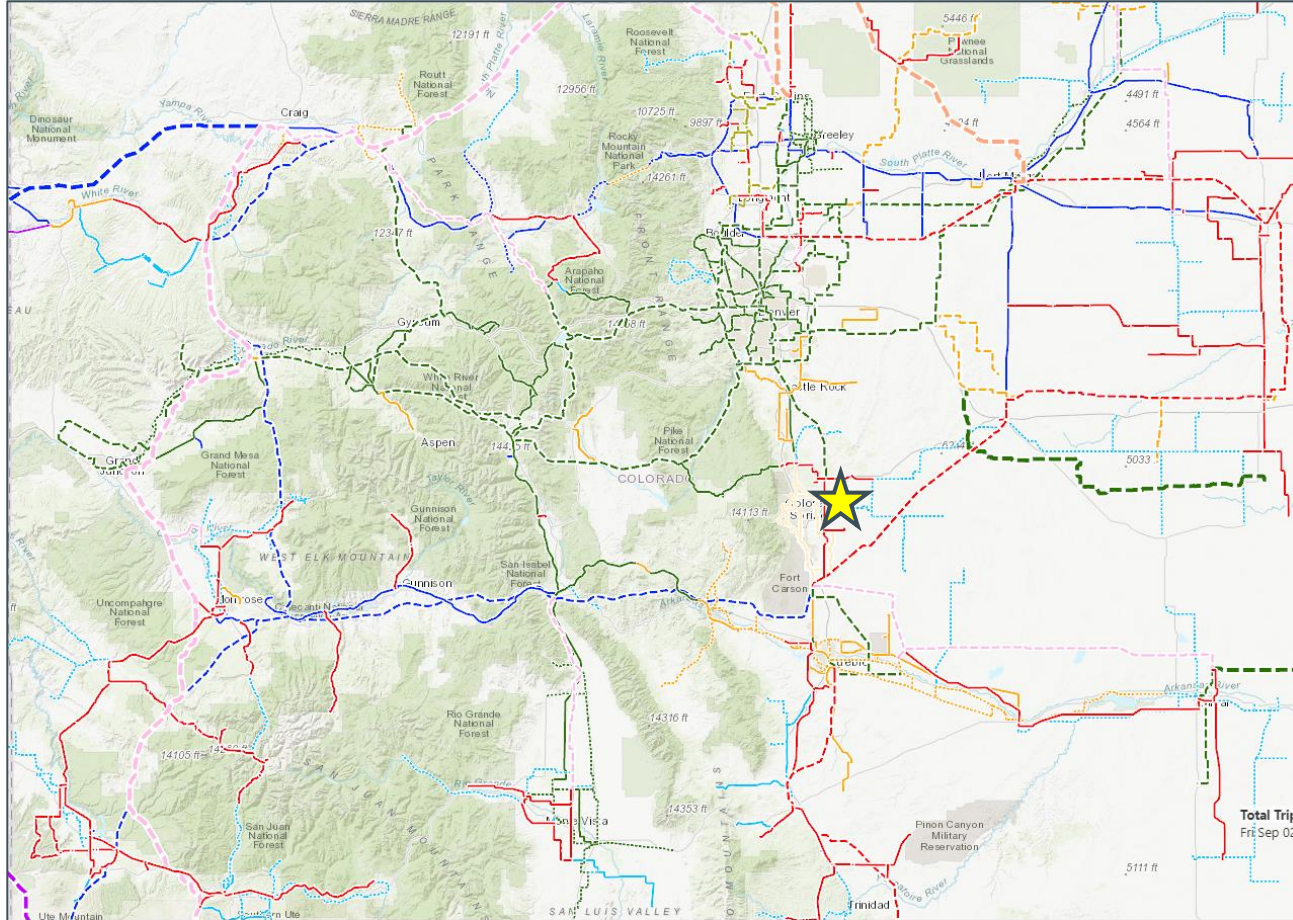


Cross Point 230/69kV Delivery Point

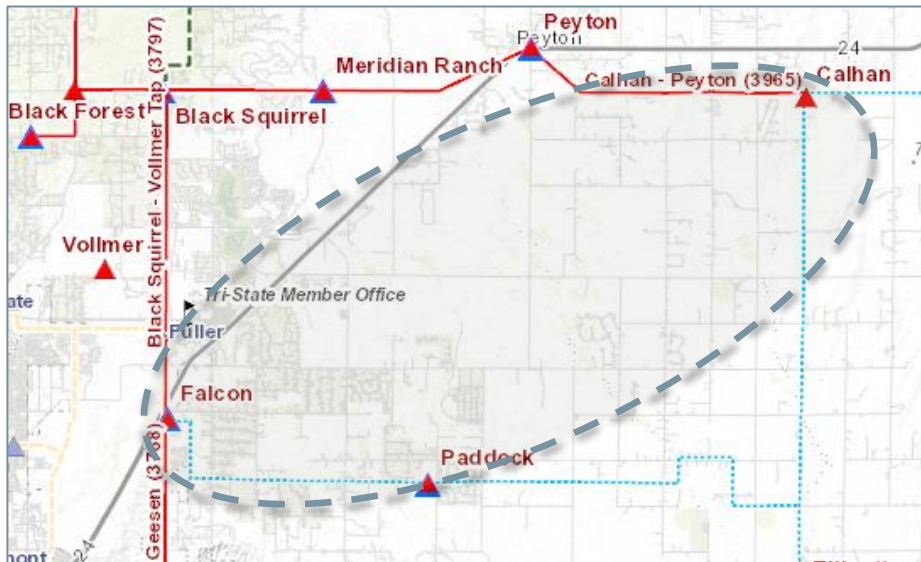
Description:	Construct new 230/69kV Cross Point substation.
Voltage:	230/69 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2027
Purpose:	Load Serving; Reliability



Falcon – Paddock – Calhan 115 kV

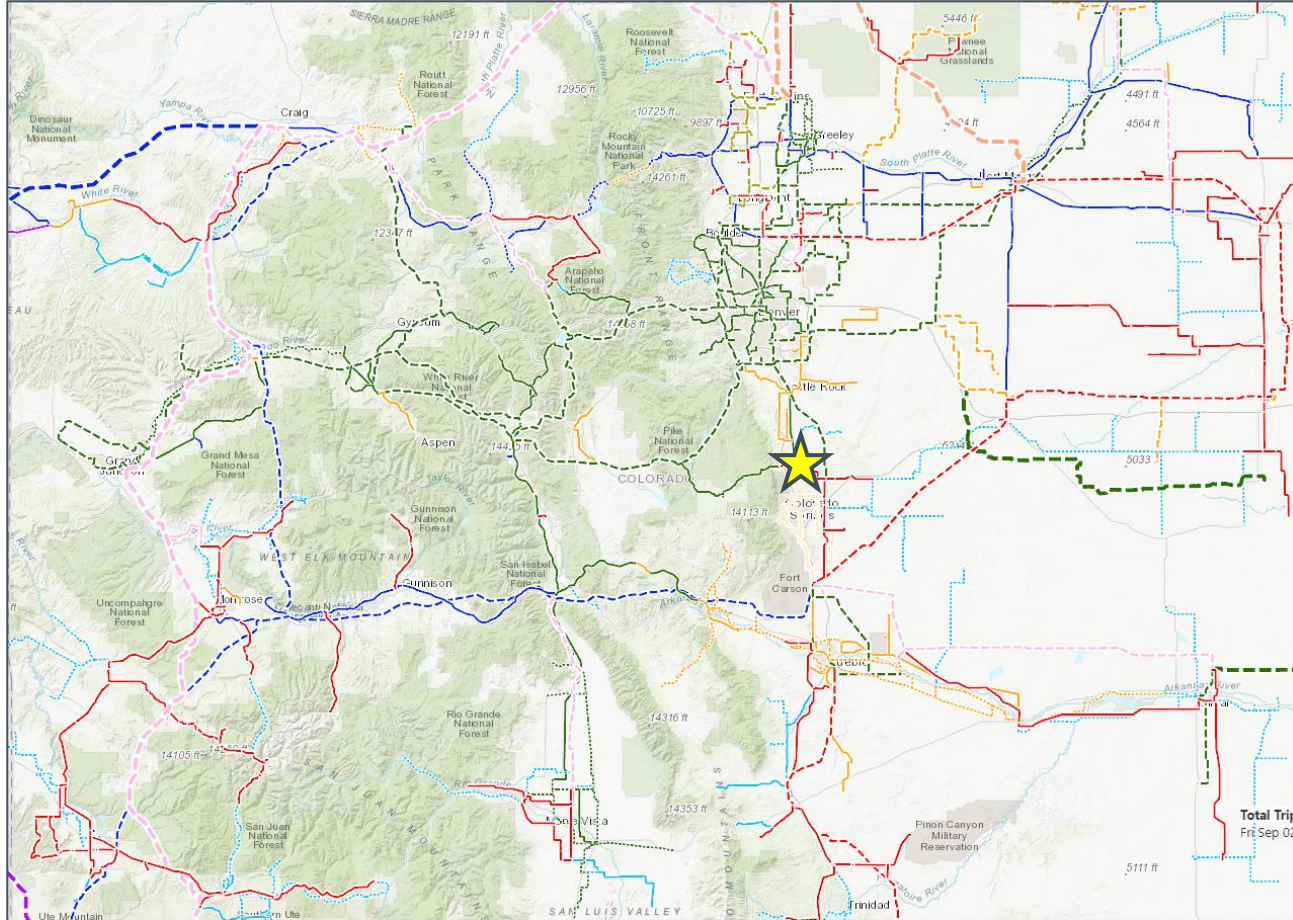


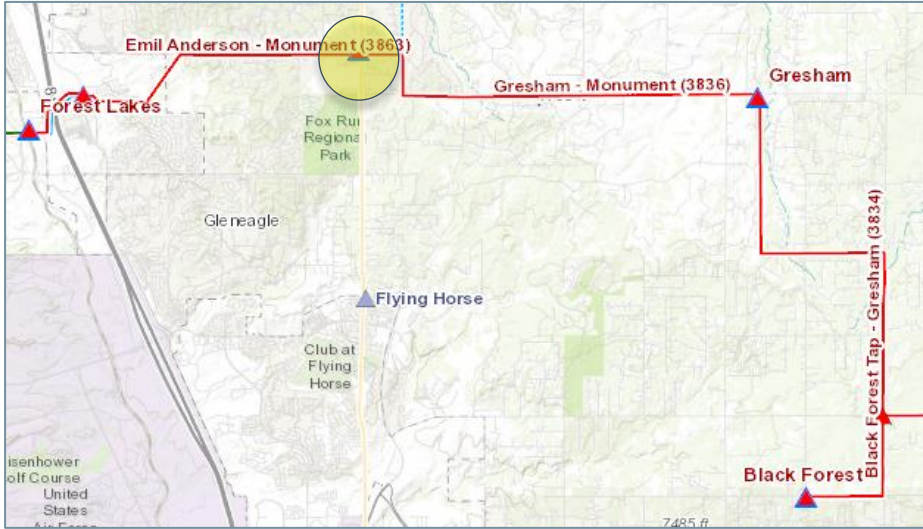
Falcon – Paddock – Calhan 115 kV



Description:	New 115 kV line and 69 kV line rebuilds to 115 kV. Rebuild Falcon Substation with 115 kV ring bus. Rebuild Paddock Substation to 115 kV ring bus. Replace Paddock 69/12.47kV distribution transformers with 115/12.47kV distribution transformers. Potentially utilize existing 110/67kV, 46 MVA Falcon T1 at rebuilt Paddock Substation for Ellicott delivery. Install new breaker in the existing 115 kV ring bus at Calhan Substation for new Paddock-Calhan 115 kV transmission line.
Voltage:	115 kV
Length:	25 miles
Type:	Line/Substation (Multiple).
Status:	Cancelled
Planned ISD:	N/A
Purpose:	Accommodate increased loads and improve reliability.

Fox Run (Monument) Substation Expansion



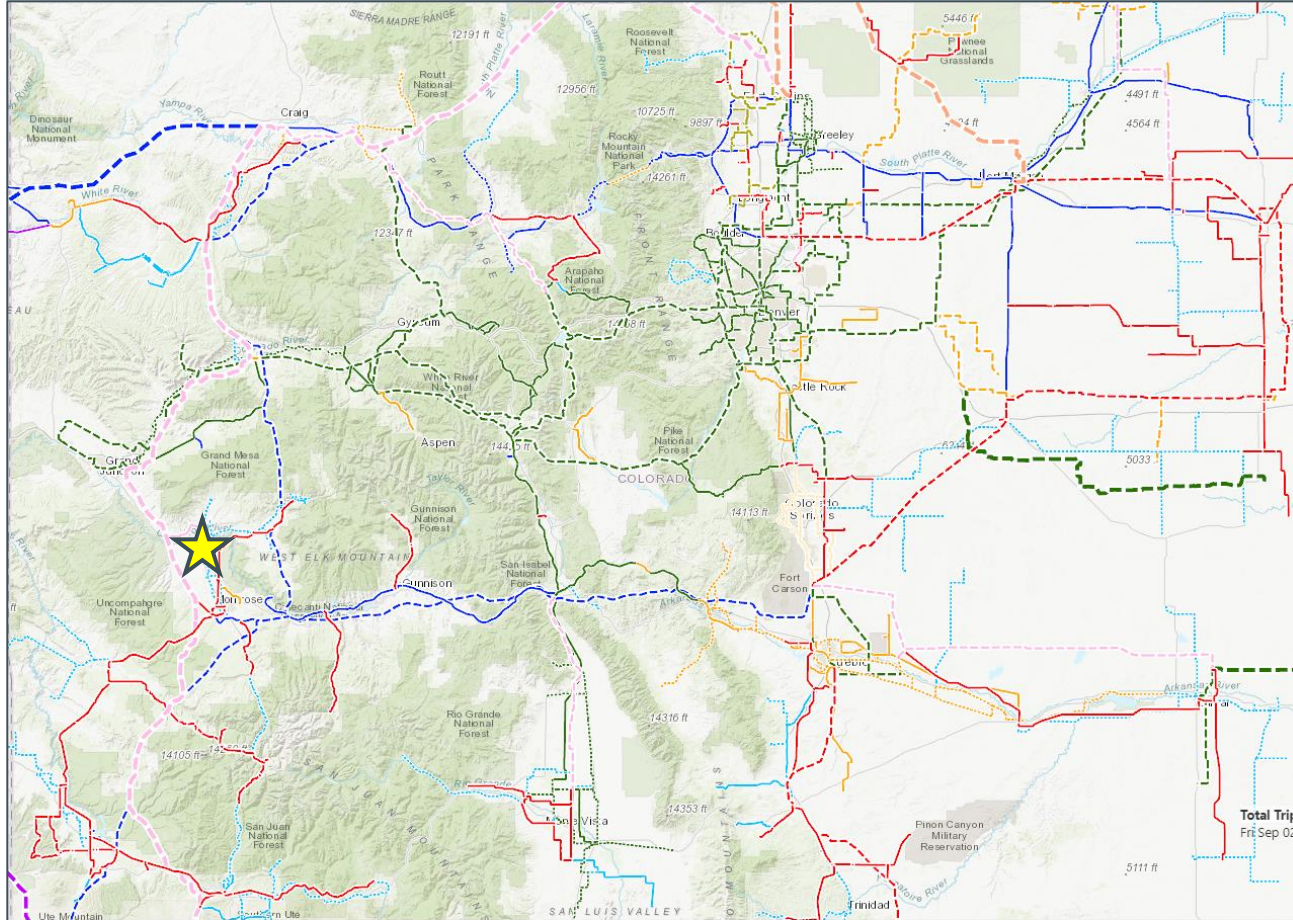


Fox Run (Monument) Substation Expansion

Description:	Rebuild existing 115 kV Monument substation star bus into a breaker-and-a-half, renamed Fox Run.
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Energized
Planned ISD:	2024
Purpose:	Reliability, Load Serving

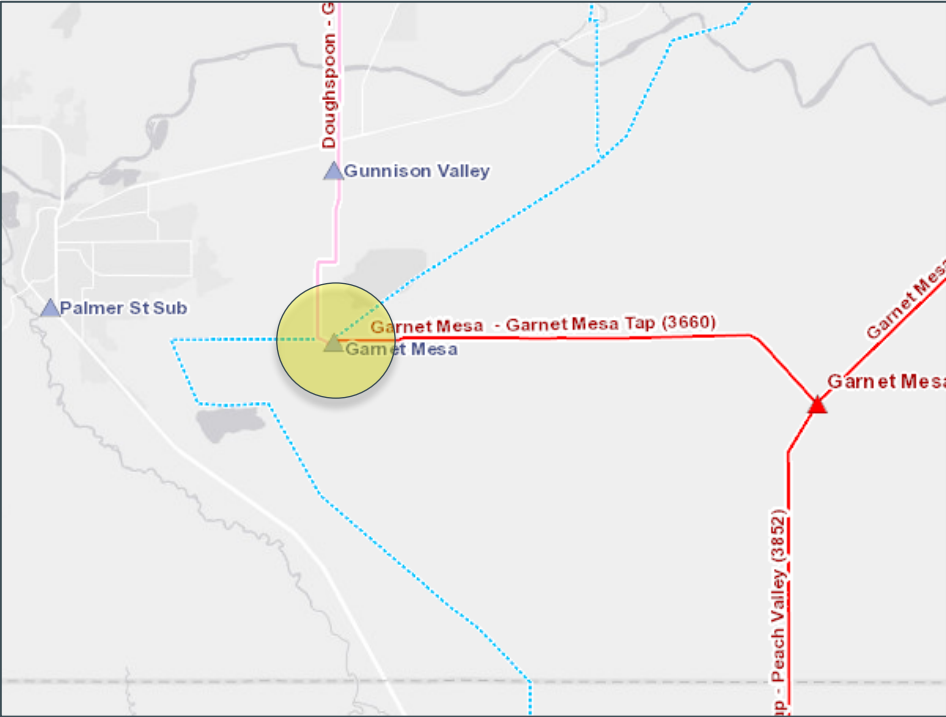


Garnet Mesa Solar Interconnect

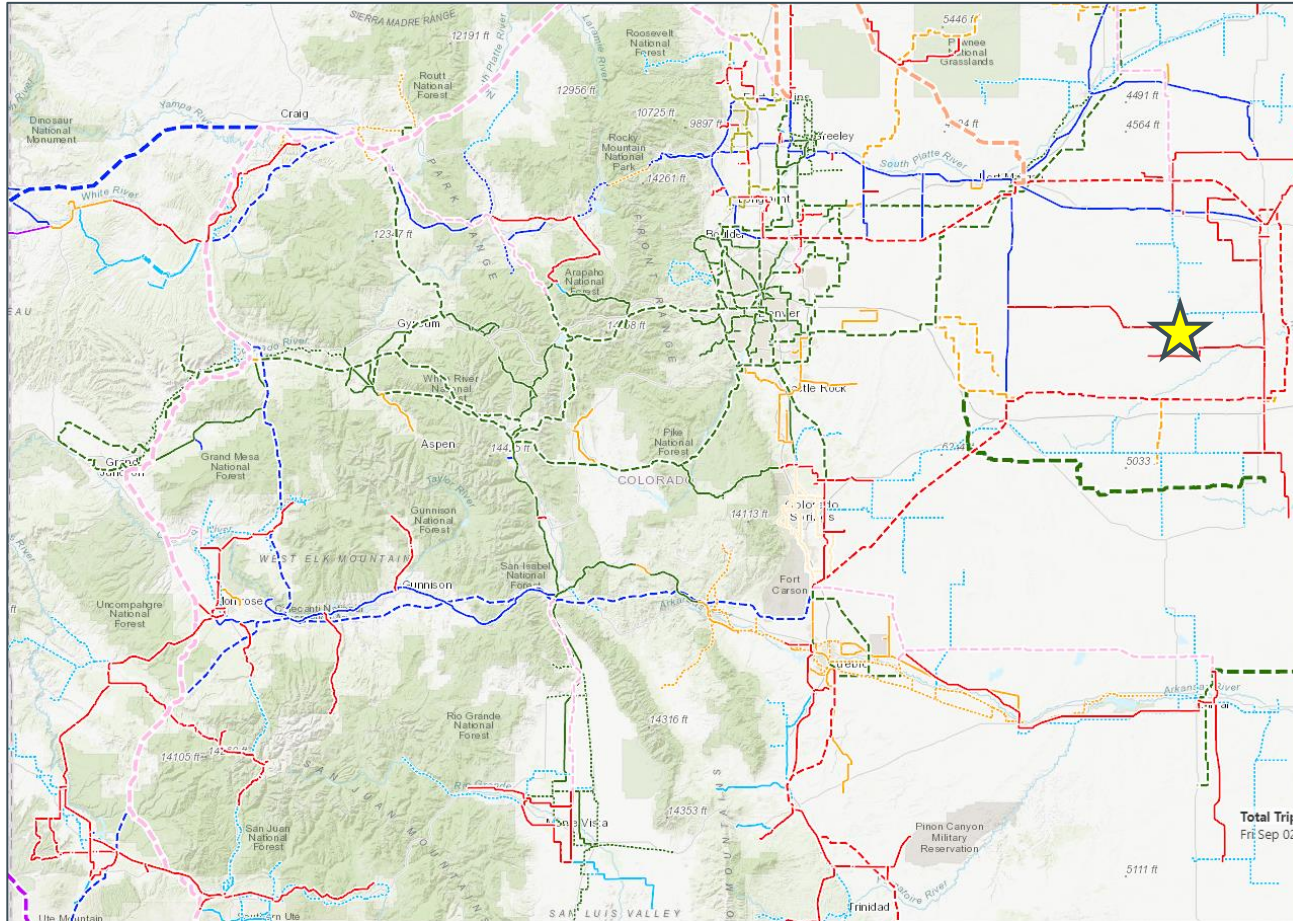


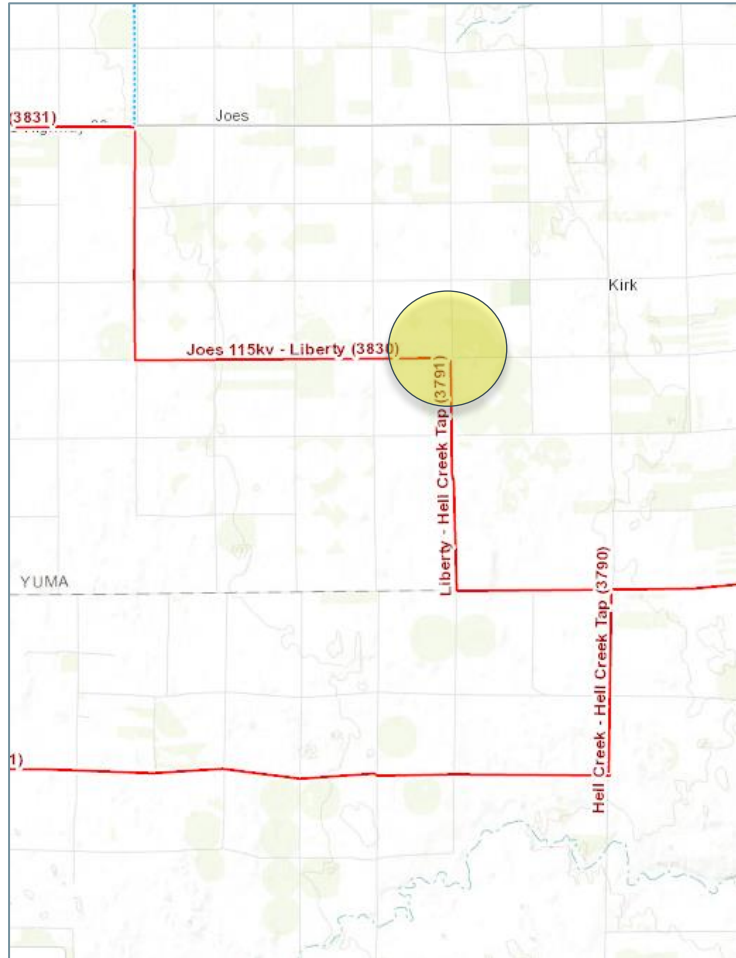
Garnet Mesa Solar Interconnect

Description:	Construct a 115 kV line bay at the existing Garnet Mesa Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2025
Purpose:	Generation Addition



Hell Creek Tap – Liberty 115 kV Meter Bypass/Removal



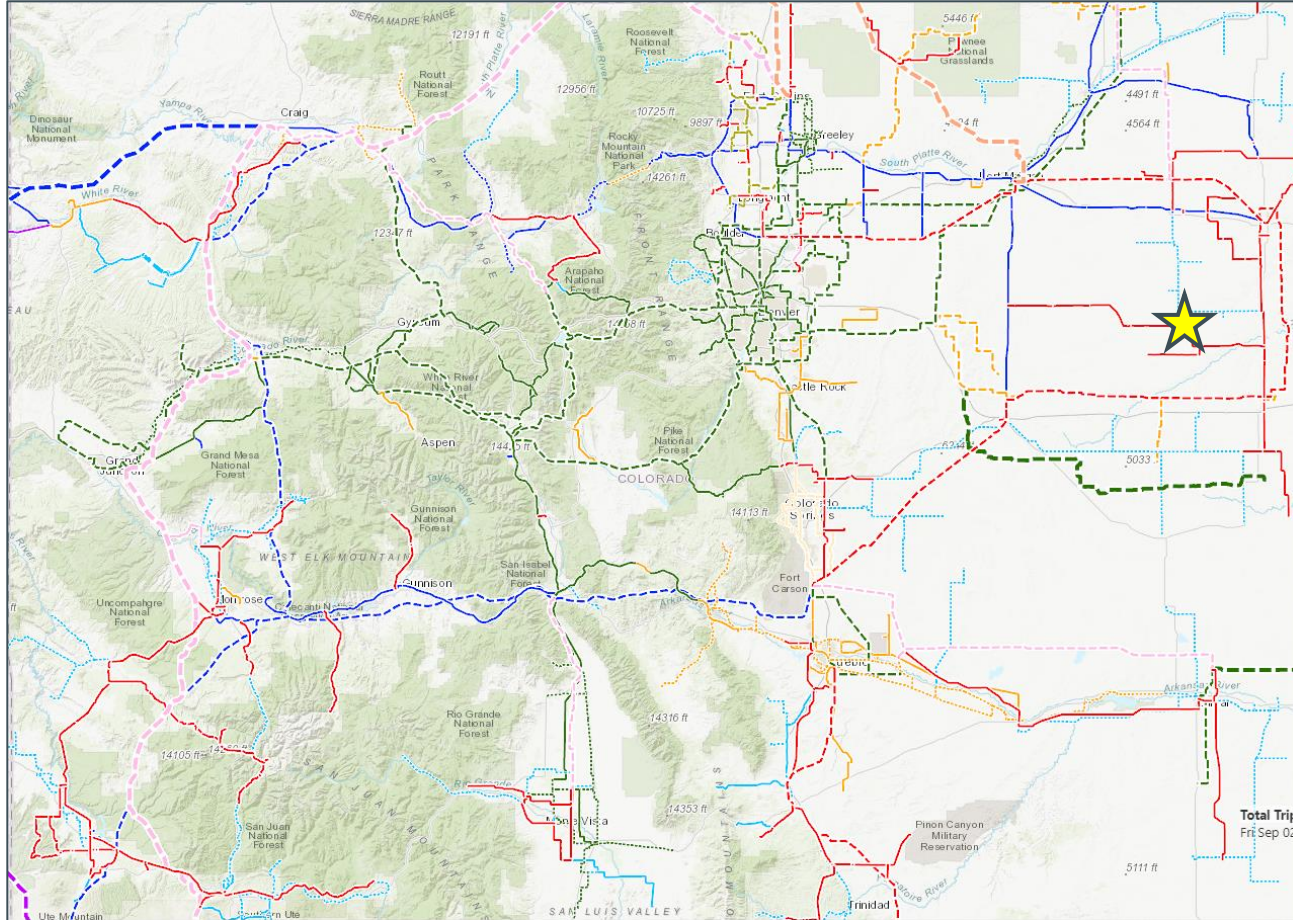


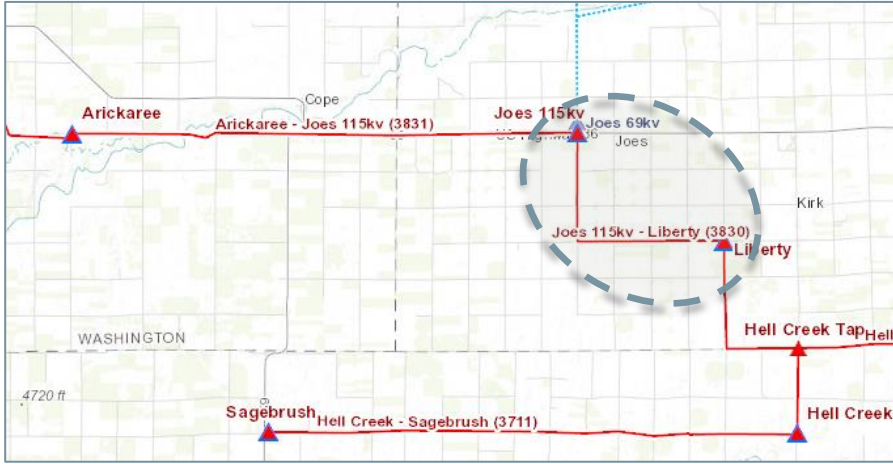
Hell Creek Tap – Liberty 115 kV Meter Bypass/Removal

Description:	Bypass or remove revenue meter at Liberty Substation
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Planned
Planned ISD:	2025
Purpose:	Increase overall line rating



Joes – Liberty Line Uprate



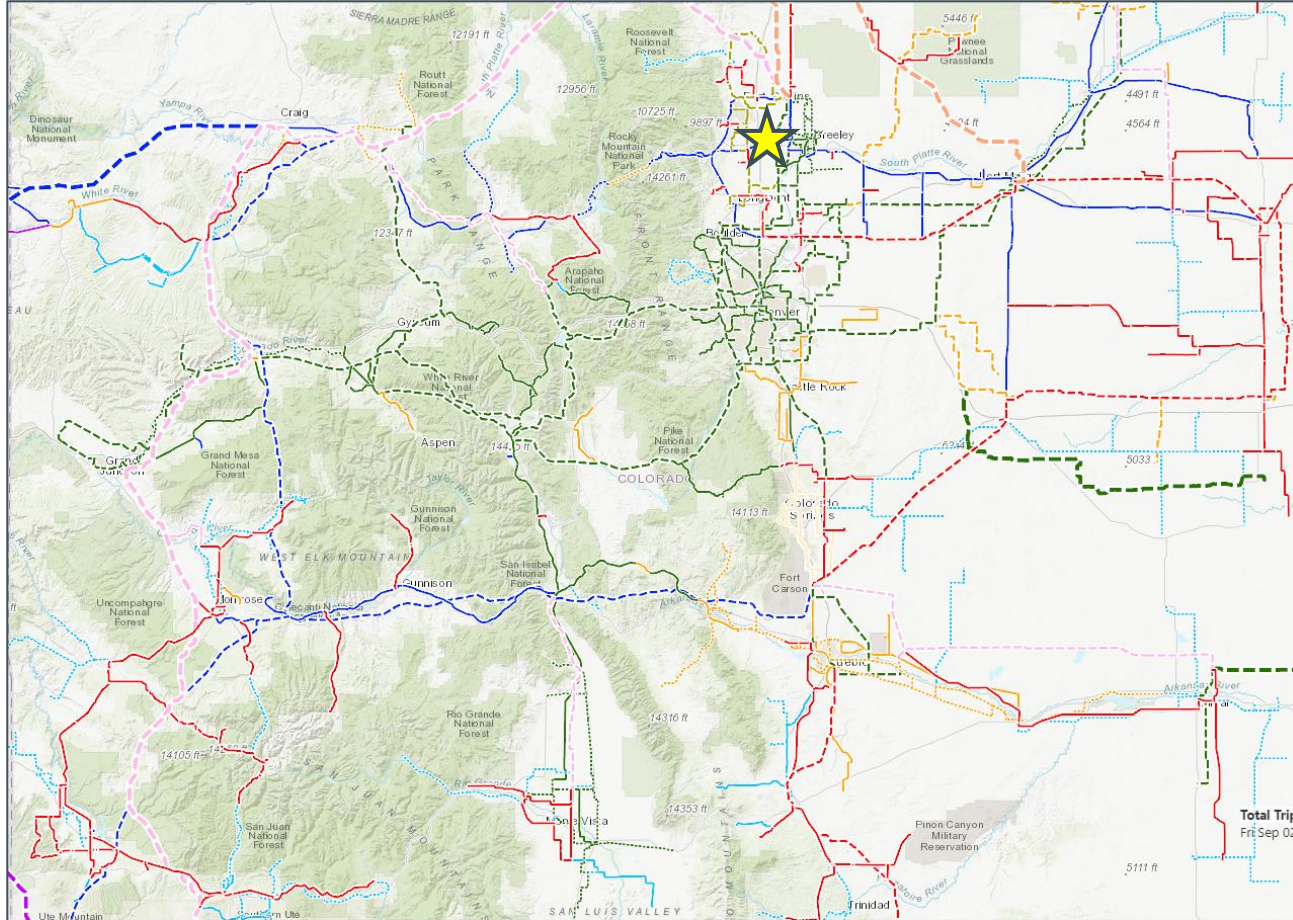


Joes – Liberty 115 kV Line Uprate

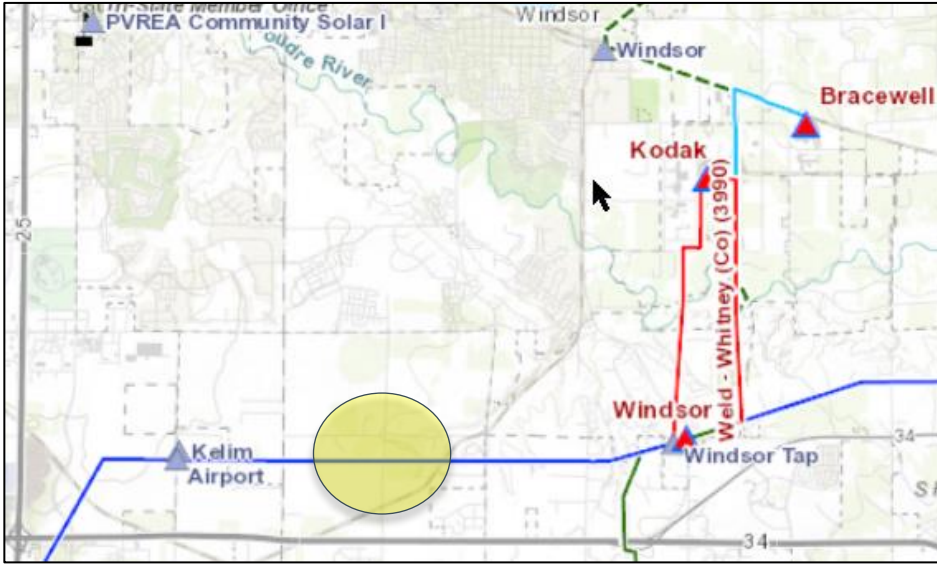
Description:	Uprate of existing 115 kV line between Joes and Liberty.
Voltage:	115 kV
Length:	7 miles
Type:	Line.
Status:	Energized
Planned ISD:	2023
Purpose:	Increase overall line rating



Iron Mountain 115/12.47 kV DP



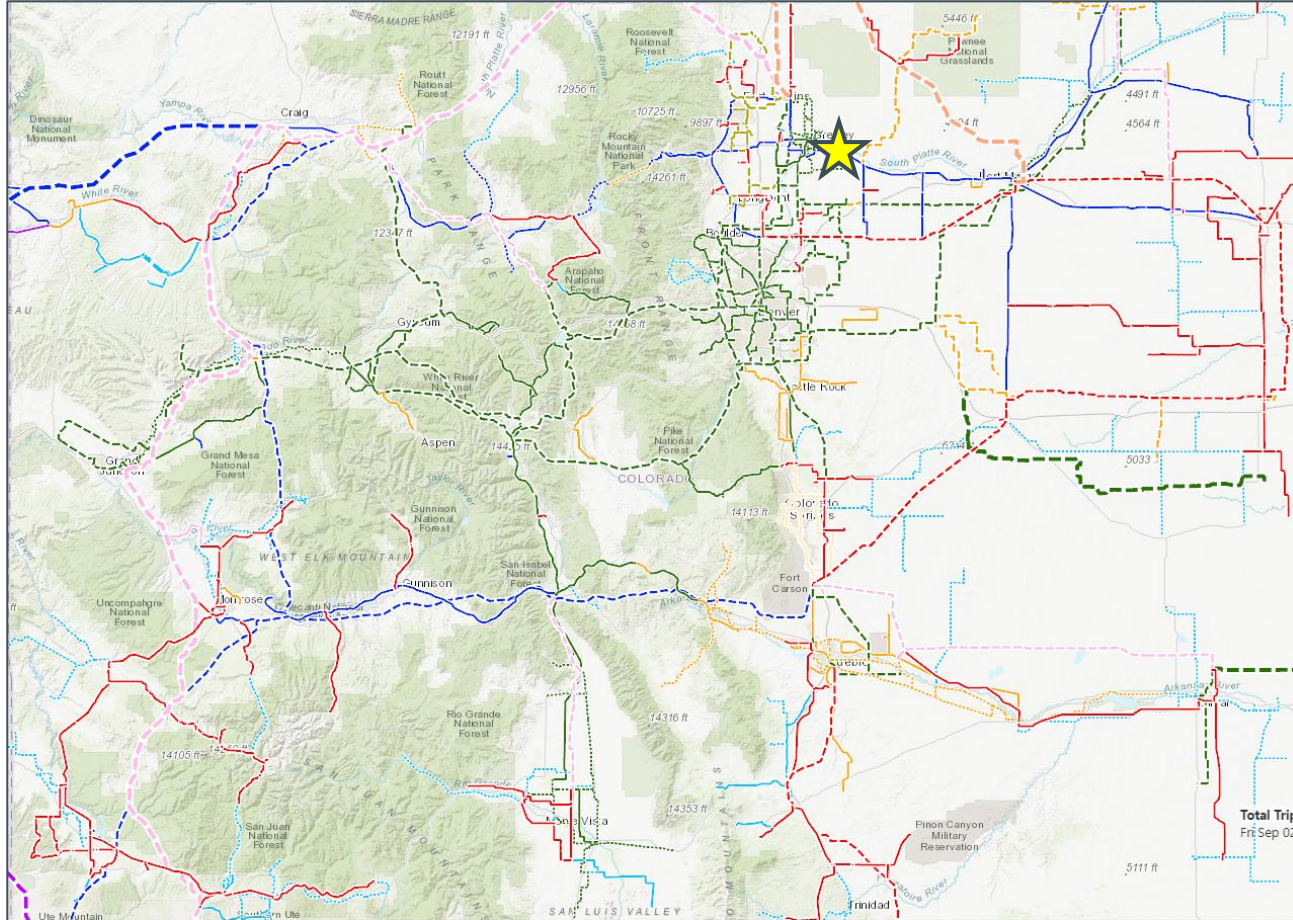
Total Trip
Fri Sep 02

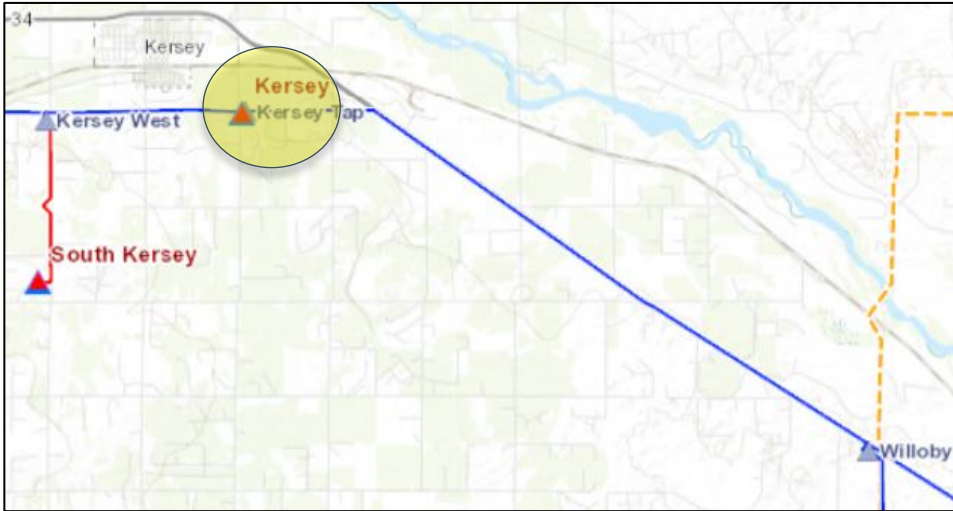


Iron Mountain 115/12.47 kV DP

Description:	New Delivery Point substation to serve growing load for Poudre Valley Rural Electric Association, including a 115/12.47 kV, 40 MVA transformer.
Voltage:	115/12.47 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2026
Purpose:	Load Serving

Kersey T1 Replacement



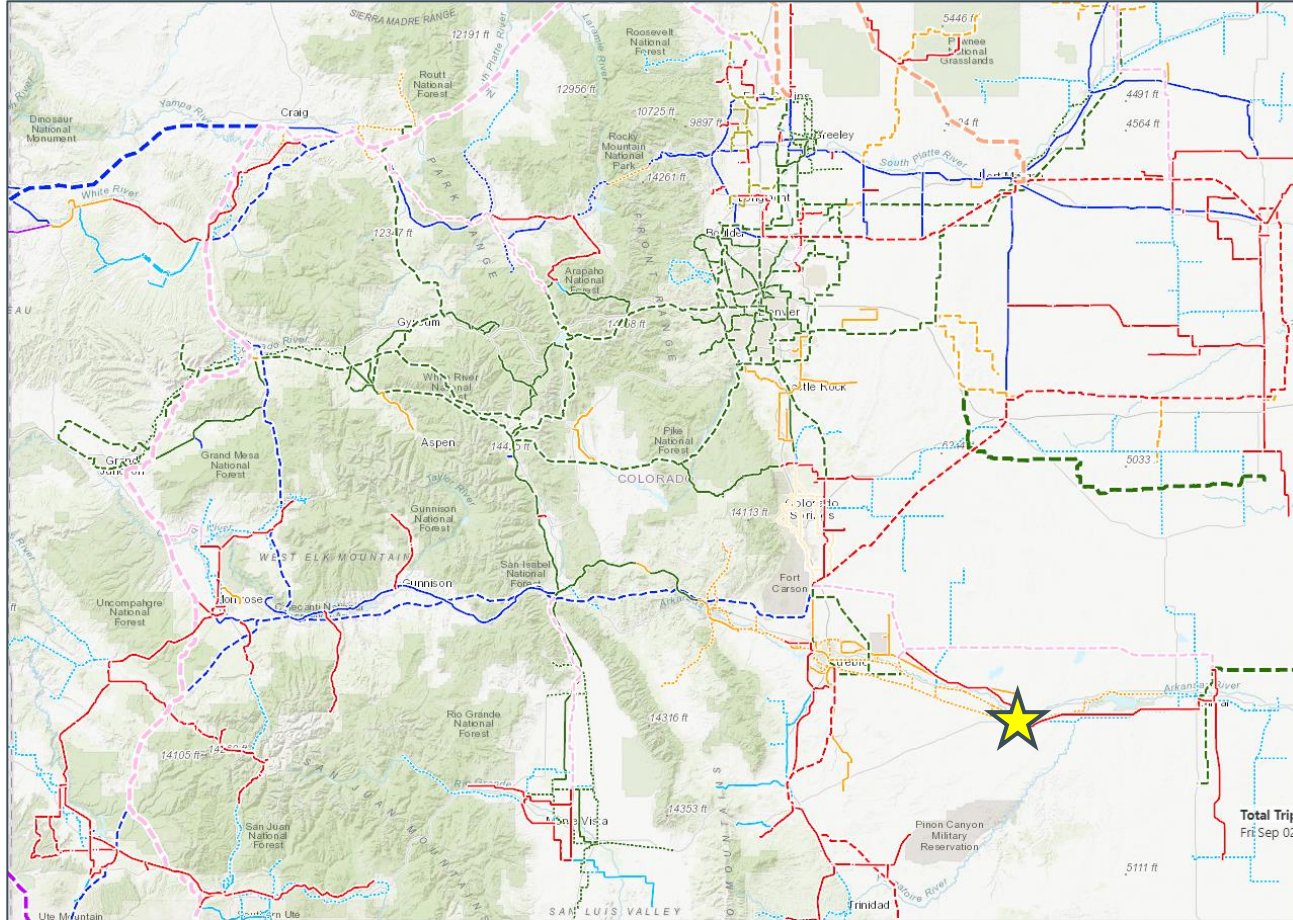


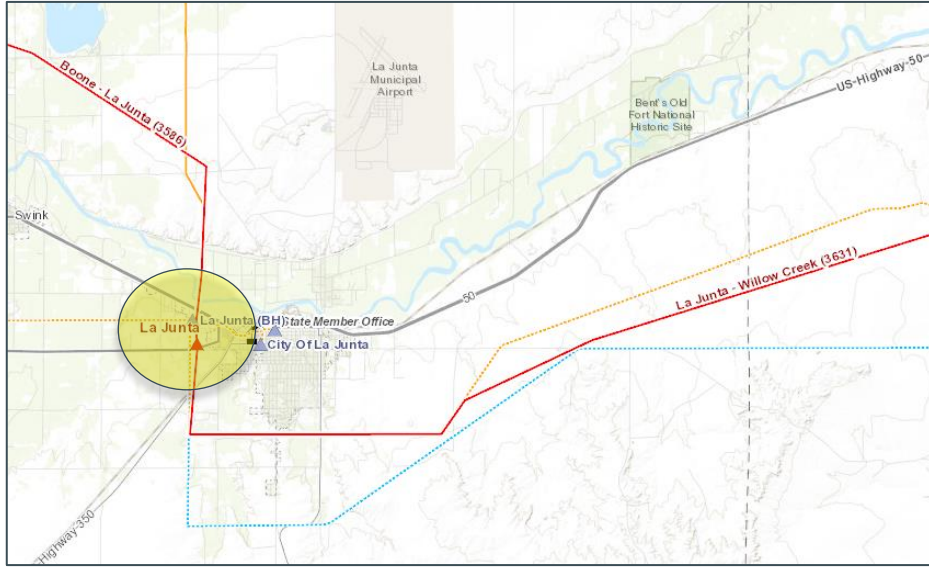
Kersey T1 Replacement

Description:	Replace the 115/24.9 kV, 14 MVA transformer T1 with a 30 MVA transformer.
Voltage:	115/24.9 kV
Length:	N/A
Type:	Substation
Status:	Under Construction
Planned ISD:	2025
Purpose:	Load Serving



La Junta 115/69/12.47 kV Transformer Replacement



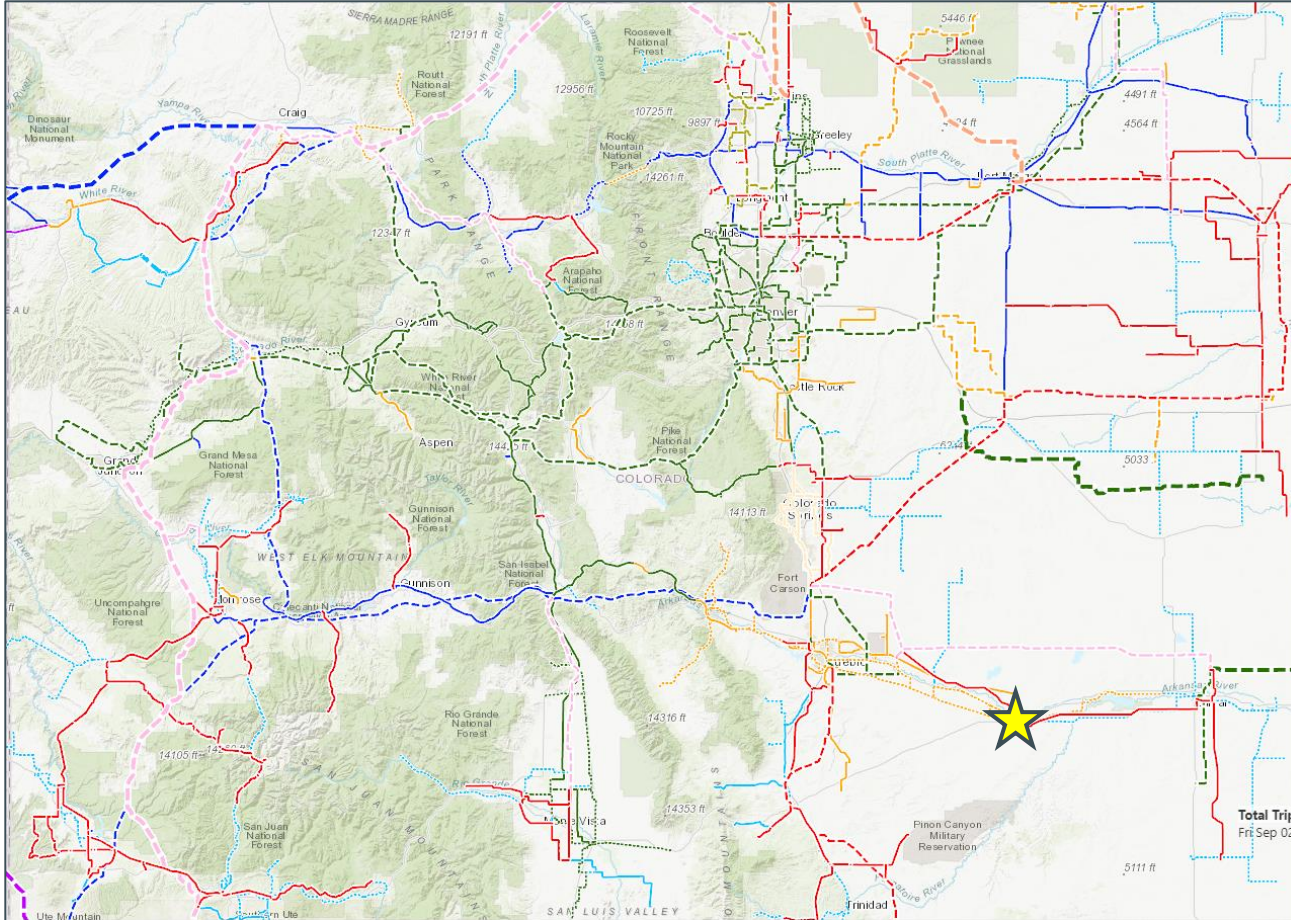


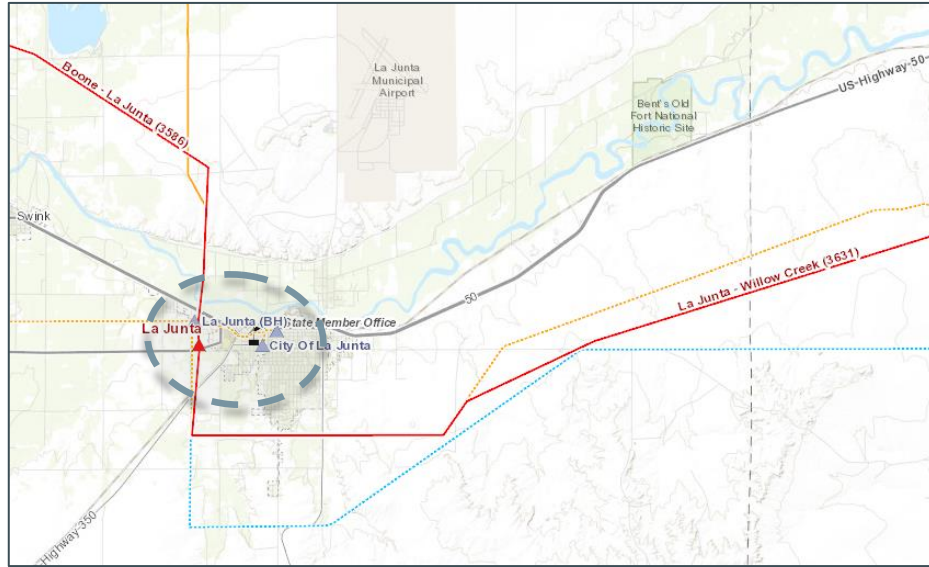
La Junta 115/69/12.47 kV Transformer Replacement

Description:	Replace out-of-service 115/69/12.47 kV transformer T1 with a 50 MVA transformer.
Voltage:	115/69 kV
Length:	N/A
Type:	Substation
Status:	Energized
Planned ISD:	2023
Purpose:	Load Serving



La Junta 115 kV Tie



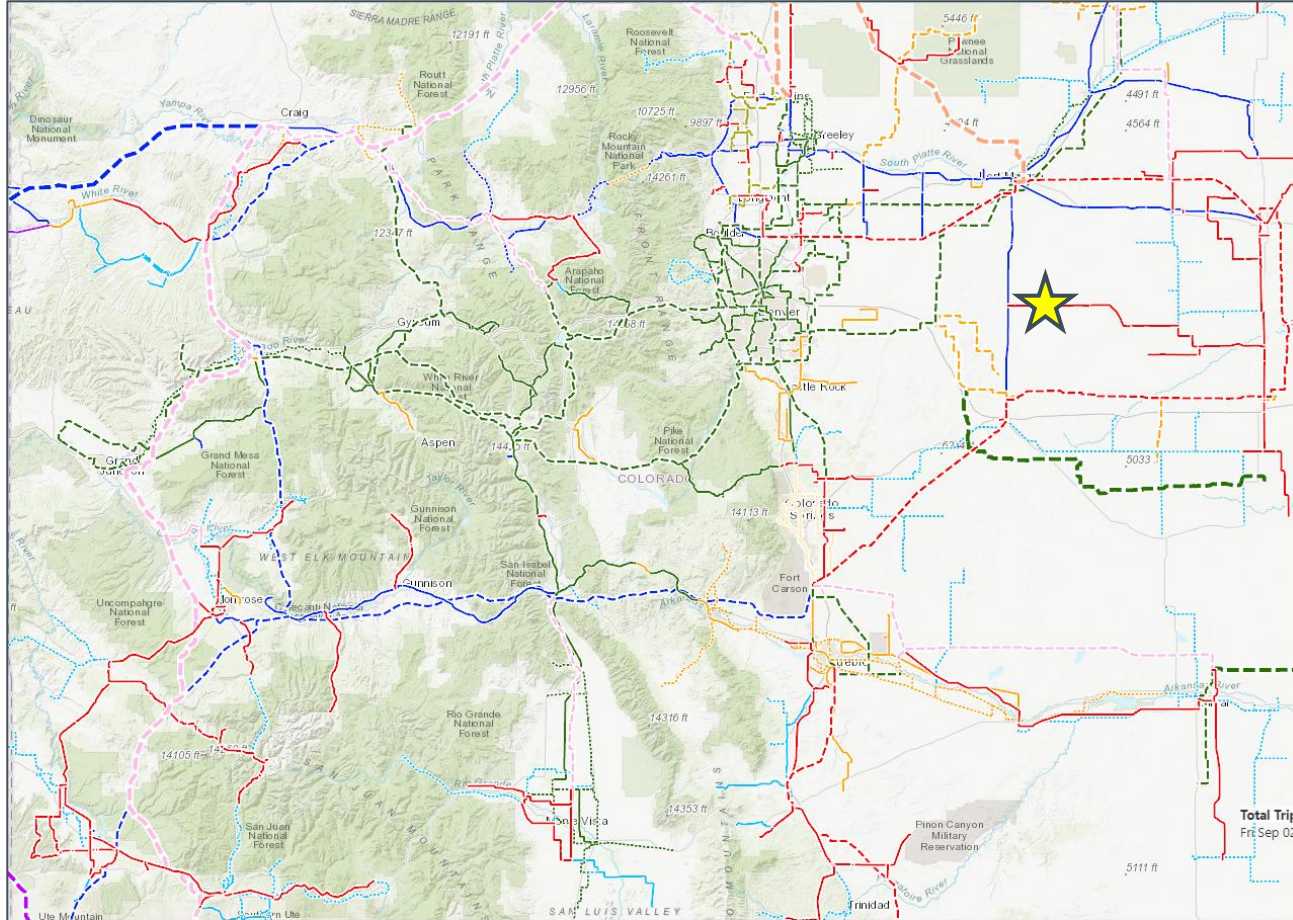


La Junta 115 kV Tie

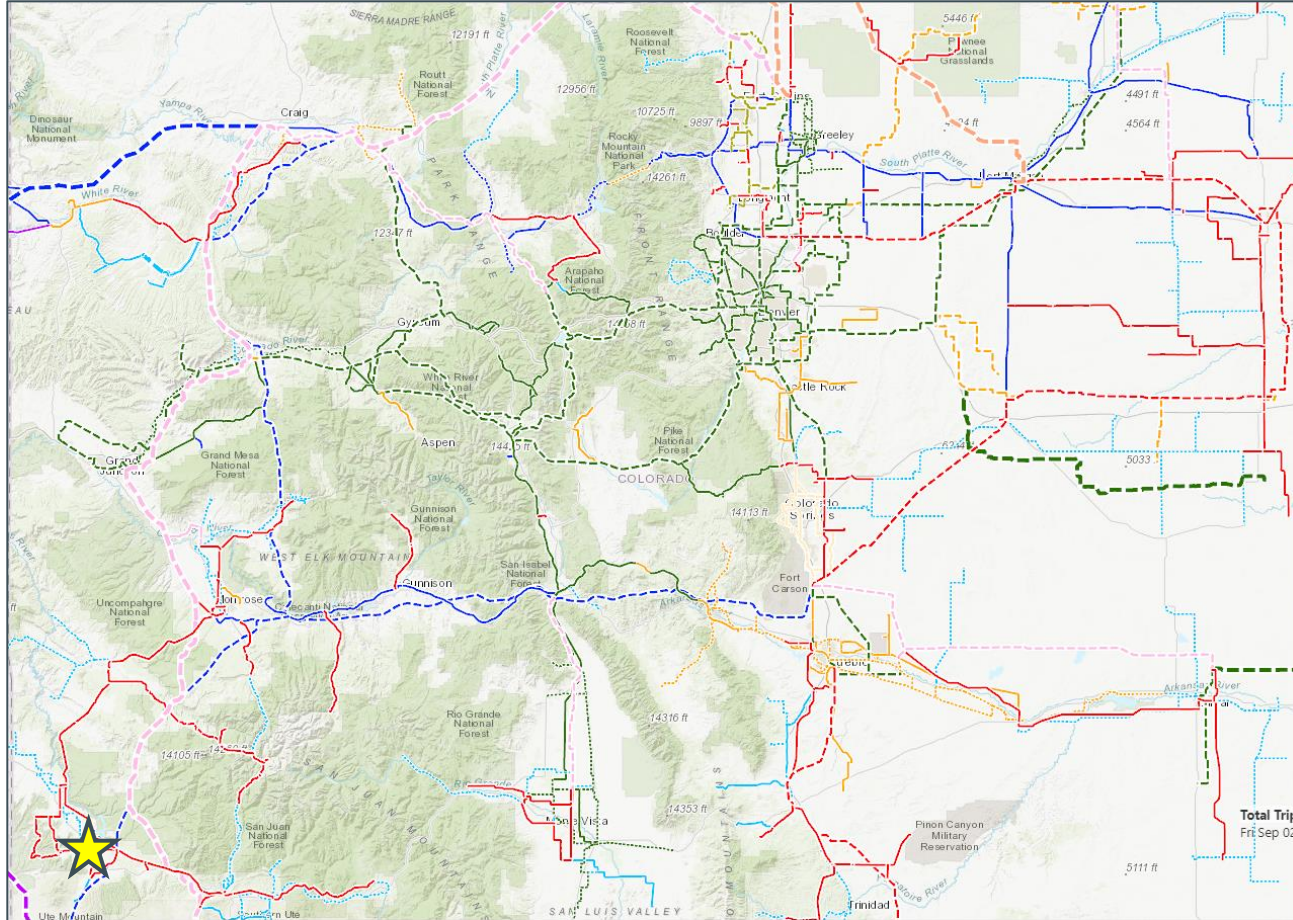
Description:	Construct new transmission line between Tri-State's La Junta substation and Black Hills' La Junta substation.
Voltage:	115 kV
Length:	0.5 miles
Type:	Line
Status:	Conceptual
Planned ISD:	N/A
Purpose:	Reliability, Load Serving



Last Chance – Lindon – Anton Line Uprate

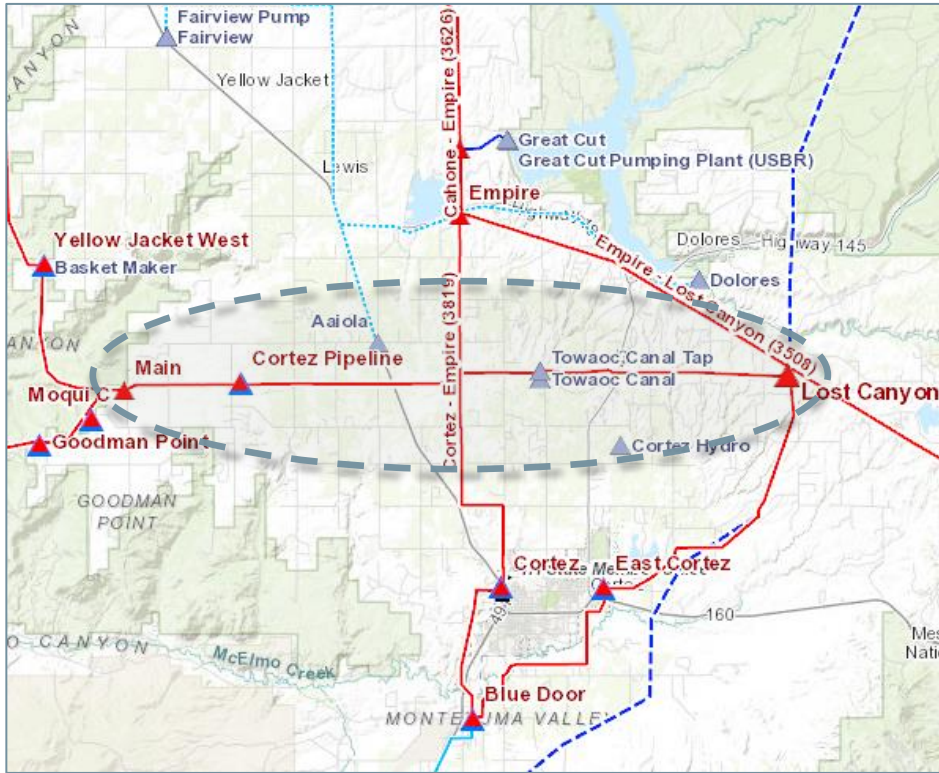


Lost Canyon – Main Switch 115 kV Line

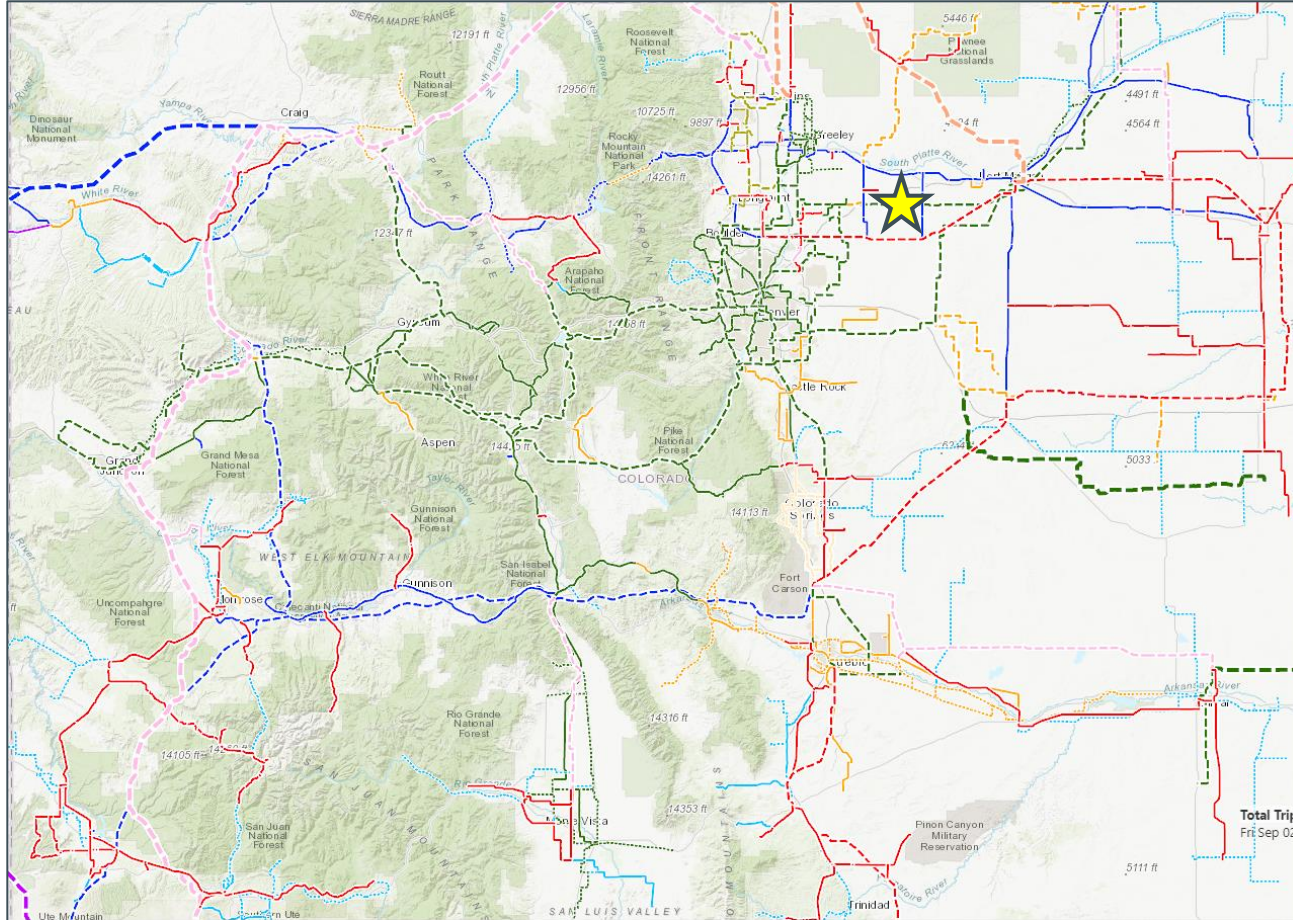


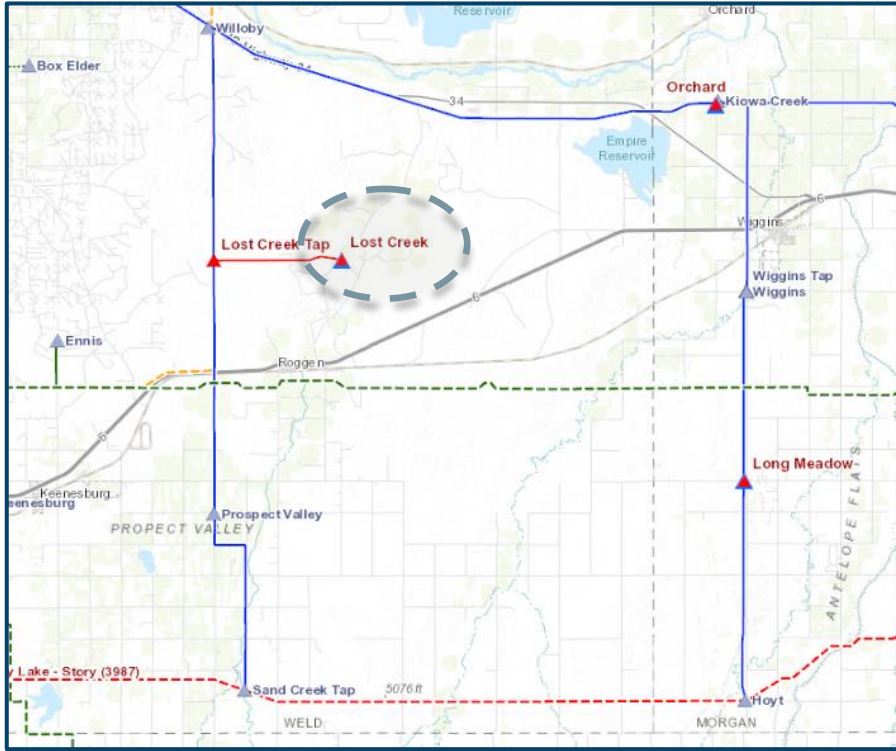
Lost Canyon – Main Switch 115 kV Line

Description:	Construct a 115 kV transmission line from the existing Main Switch Substation to the existing Lost Canyon Substation.
Voltage:	115 kV
Length:	16 miles
Type:	Line
Status:	Conceptual
Planned ISD:	N/A
Purpose:	Load Serving; Generation Accommodation



Lost Creek 115/12.47 kV T1 Replacement



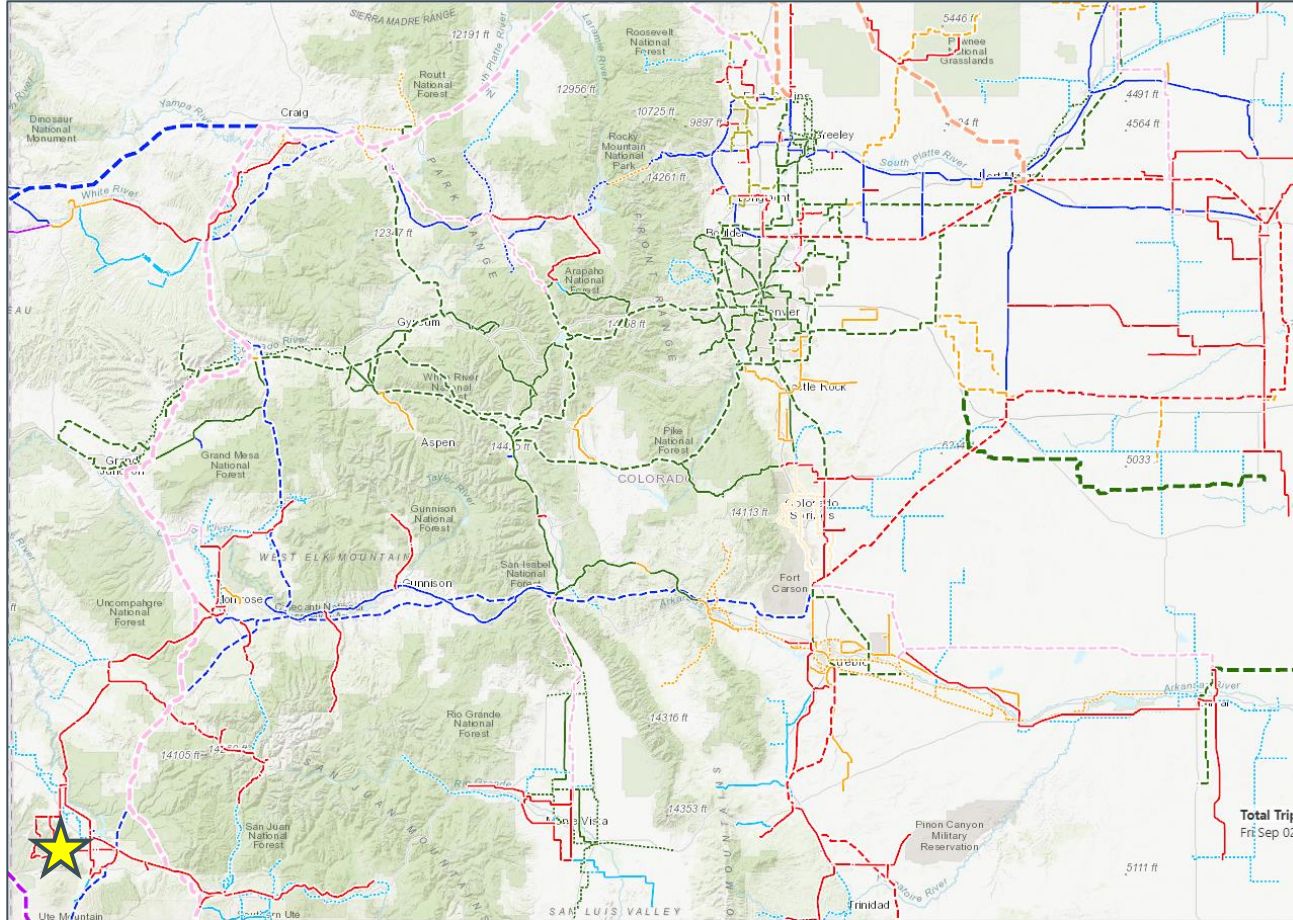


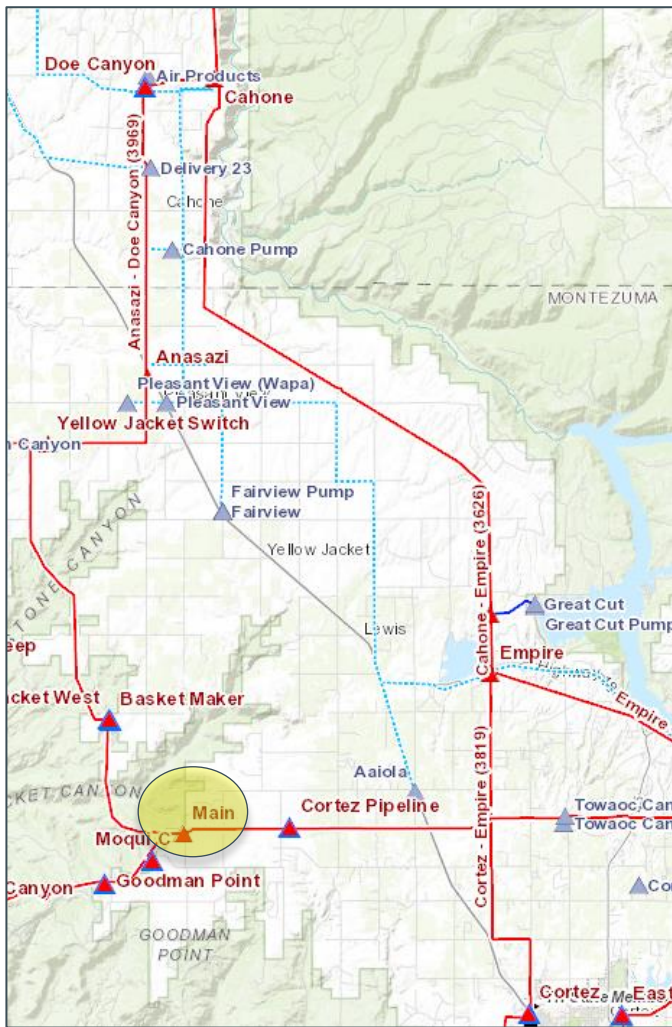
Lost Creek 115/12.47 kV T1 Replacement

Description:	This project involves replacing the existing 115-12.47 kV 5/7 MVA distribution transformer with a new 10/12 MVA transformer
Voltage:	115/12.47 kV
Length:	NA
Type:	Substation
Status:	Planned
Planned ISD:	2027
Purpose:	Load Serving



Main Switch Bay Addition (Coyote Gulch Solar)

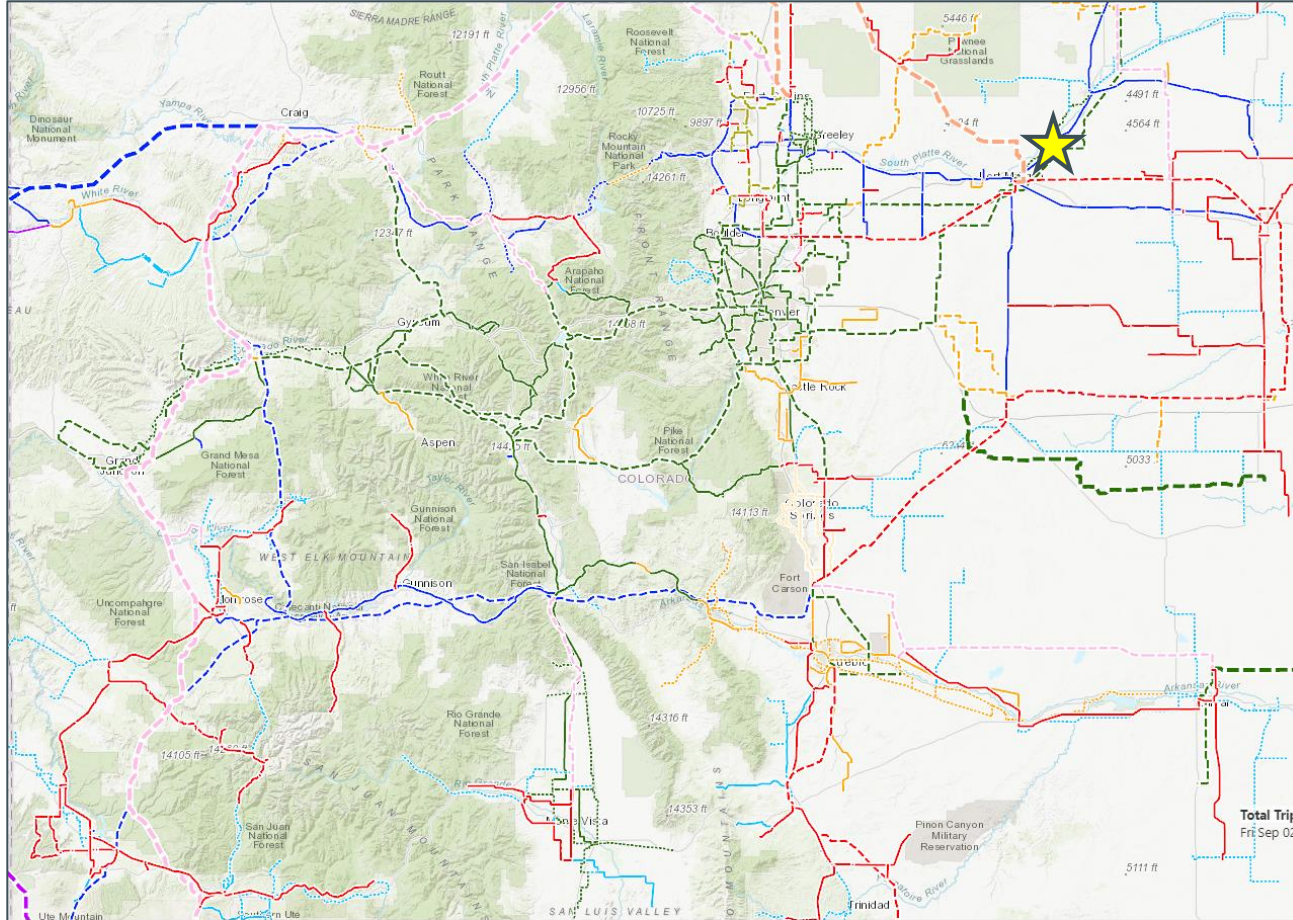


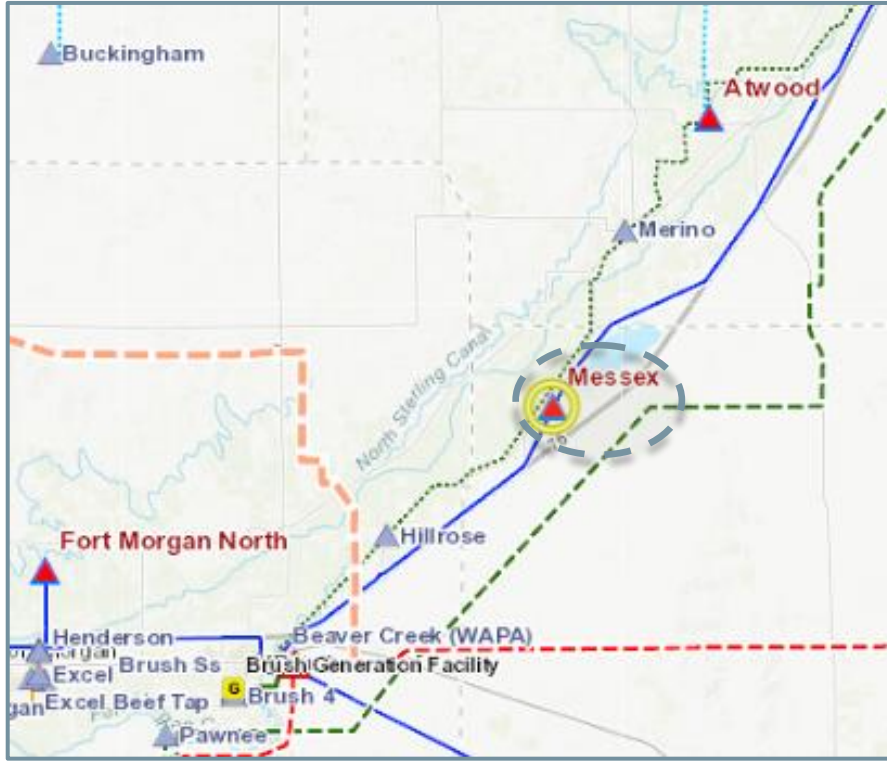


Main Switch Bay Addition (Coyote Gulch Solar)

Description:	Construct a 115 kV line bay at the existing Main Switch Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Planned
Planned ISD:	2026
Purpose:	Generation Addition

Messex 115/12.47 kV T1 Replacment

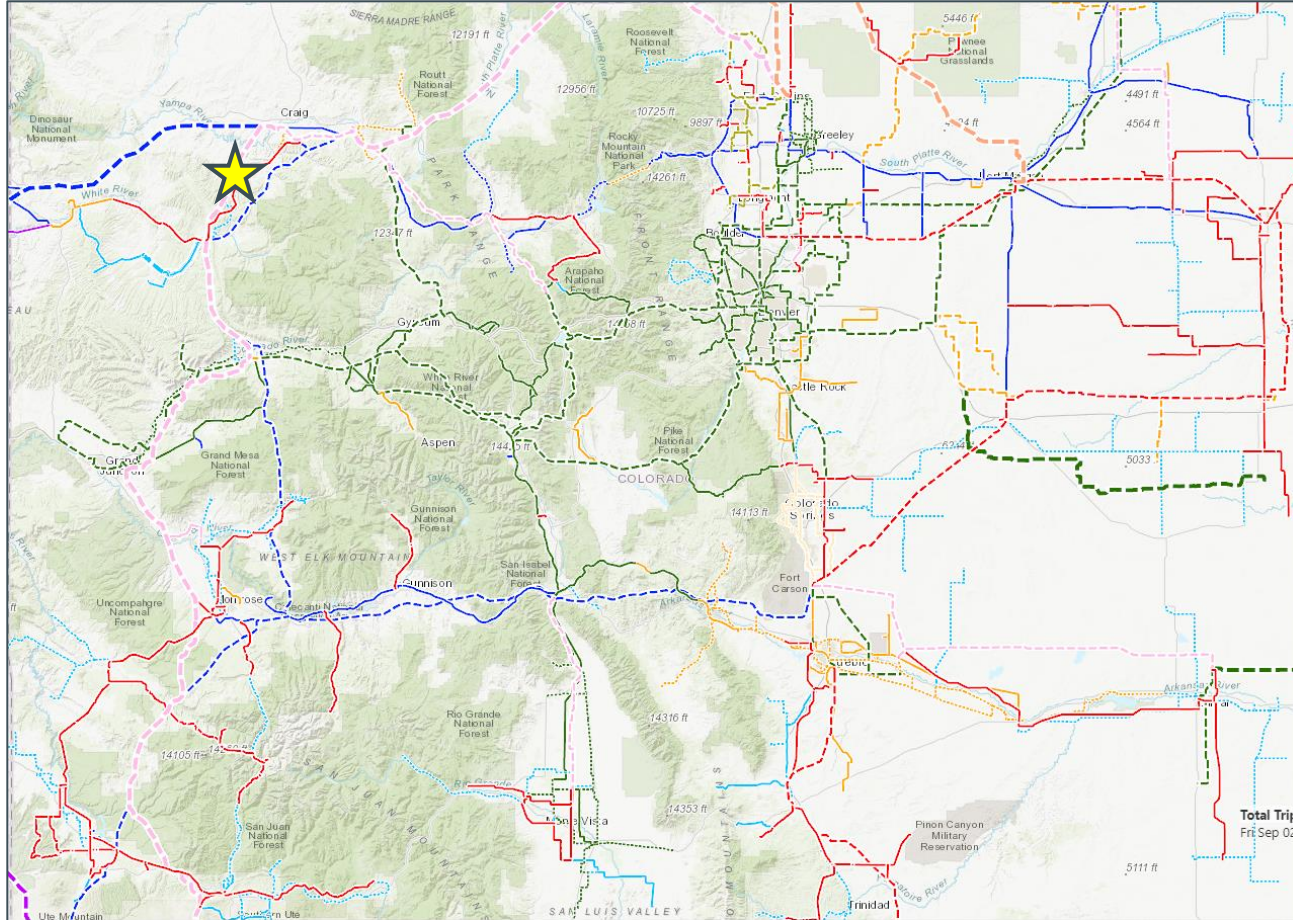


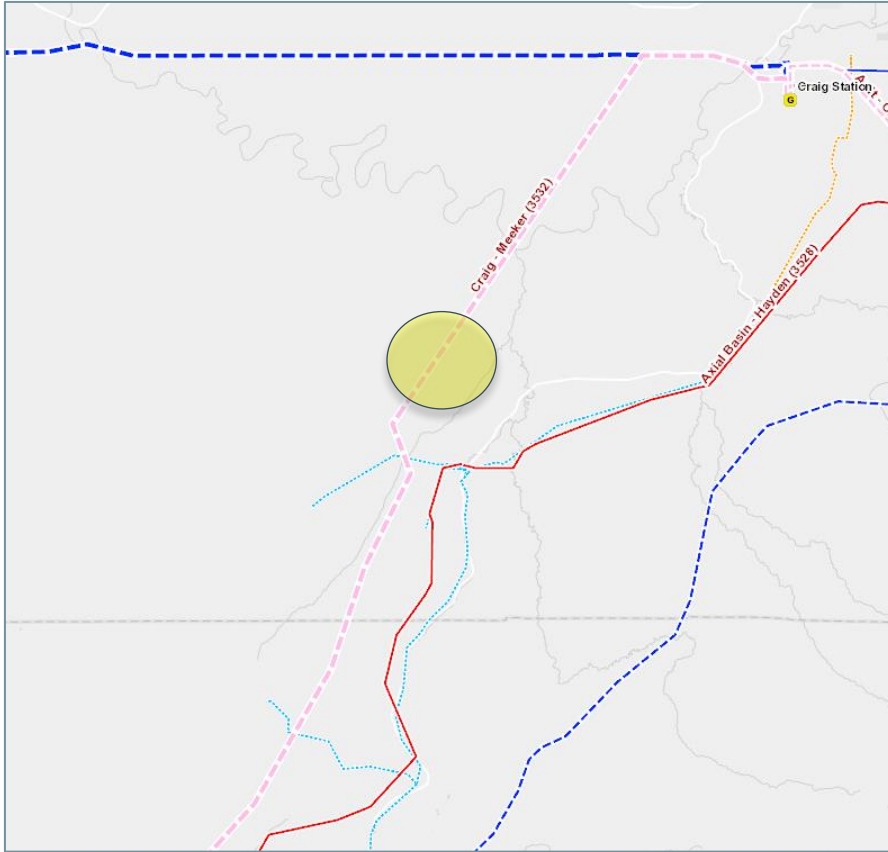


Messex 115/12.47 kV T1 Replacement

Description:	This project involves replacing the existing 115-12.47 kV 5/7 MVA distribution transformer due to poor unit health with an identical unit
Voltage:	115/12.47 kV
Length:	NA
Type:	Substation
Status:	Planned
Planned ISD:	2027
Purpose:	Load Serving

Milk Creek Switching Station (Axial Basin Solar)



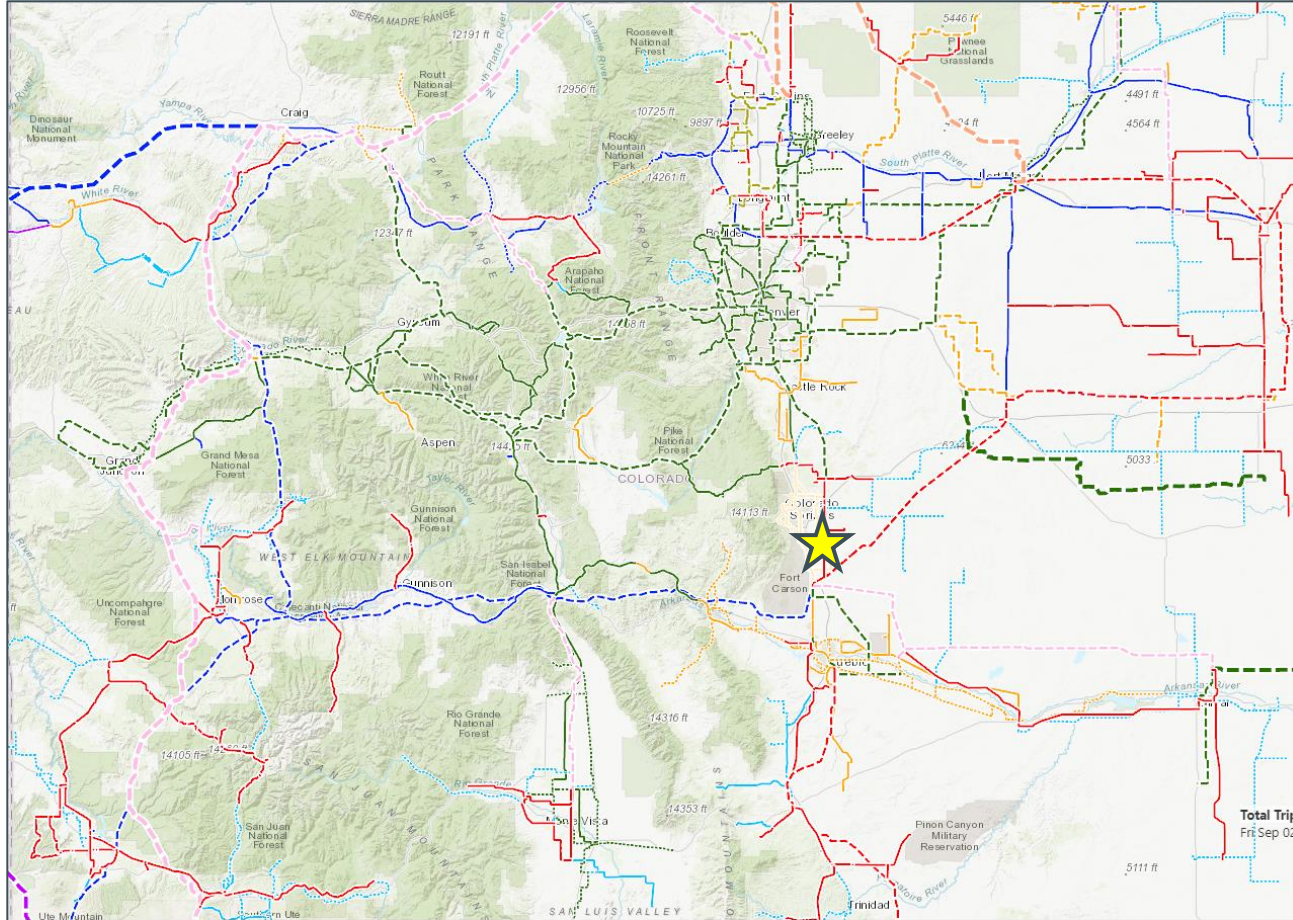


Milk Creek Switching Station (Axial Basin Solar)

Description:	Construct new 345 kV Milk Creek Switching Station along Craig – Meeker 345 kV line to accommodate Axial Basin Solar
Voltage:	345 kV
Length:	N/A
Type:	Substation
Status:	Planned
Planned ISD:	2025
Purpose:	Generation Addition



Rolling Meadows 115 kV Delivery Point



Rolling Meadows 115 kV Delivery Point

Description:

Formerly known as Rolling Hills 115 kV Delivery Point. The proposed scope of work for this project will be to establish a new 115 kV Point of Delivery for MVEA at Rolling Hills 115/12.5kV Substation by ‘tapping’ (with an in and out configuration), the existing 115 kV Geesen-Lorson Ranch-Rancho-Midway line between Geesen and Lorson Ranch subs.

Voltage:

115 kV

Length:

N/A

Type:

Substation

Status:

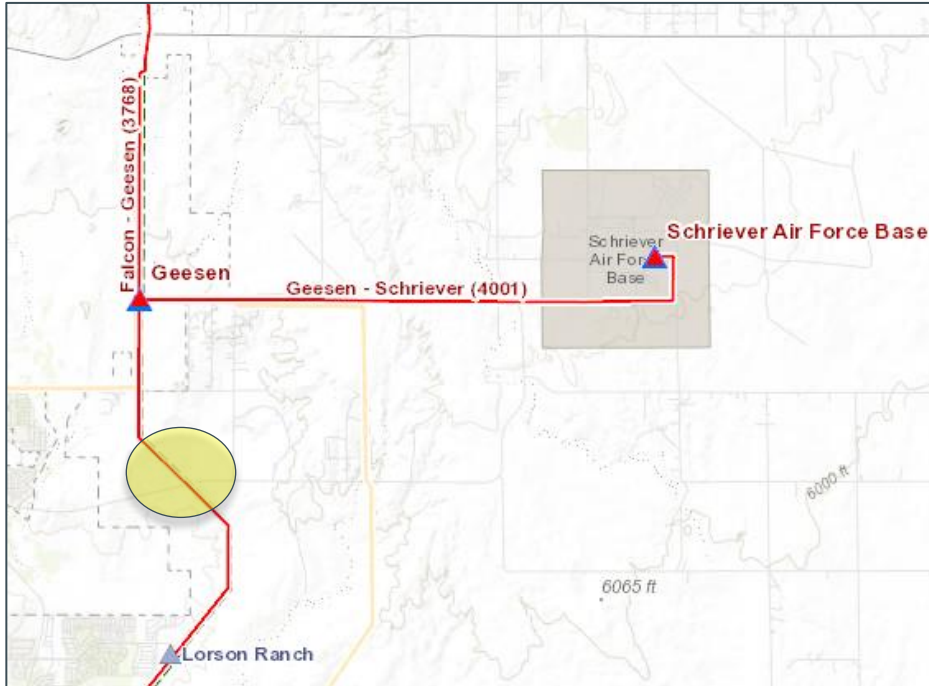
Under Construction

Planned ISD:

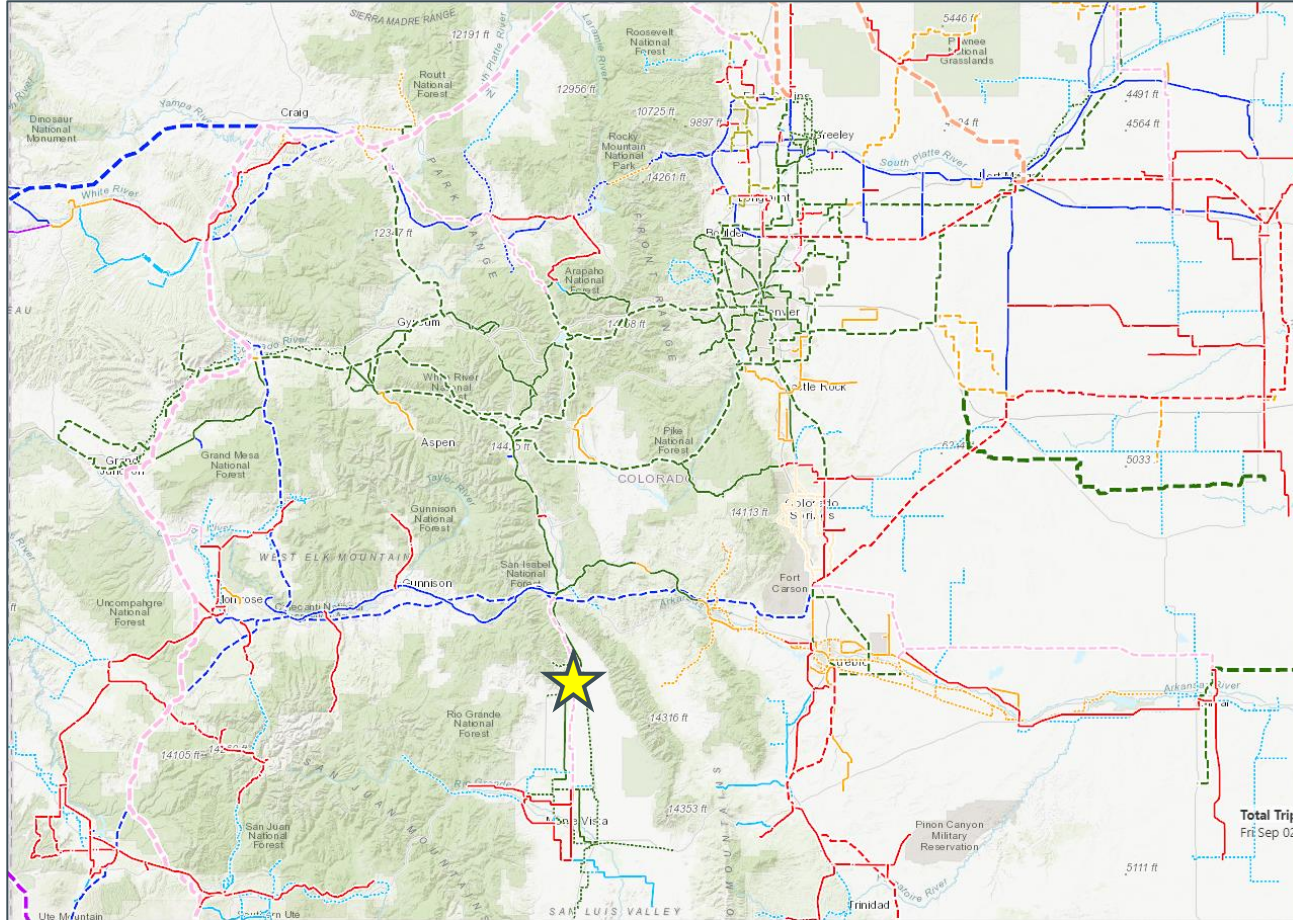
2026

Purpose:

Load Serving

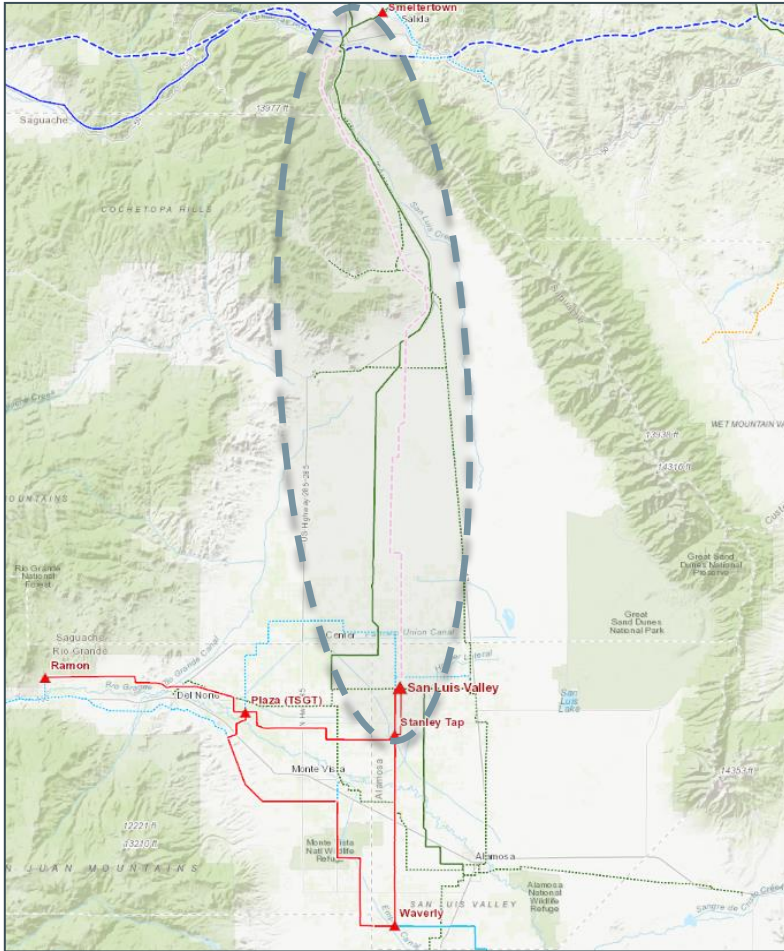


San Luis Valley – Poncha 230 kV Project

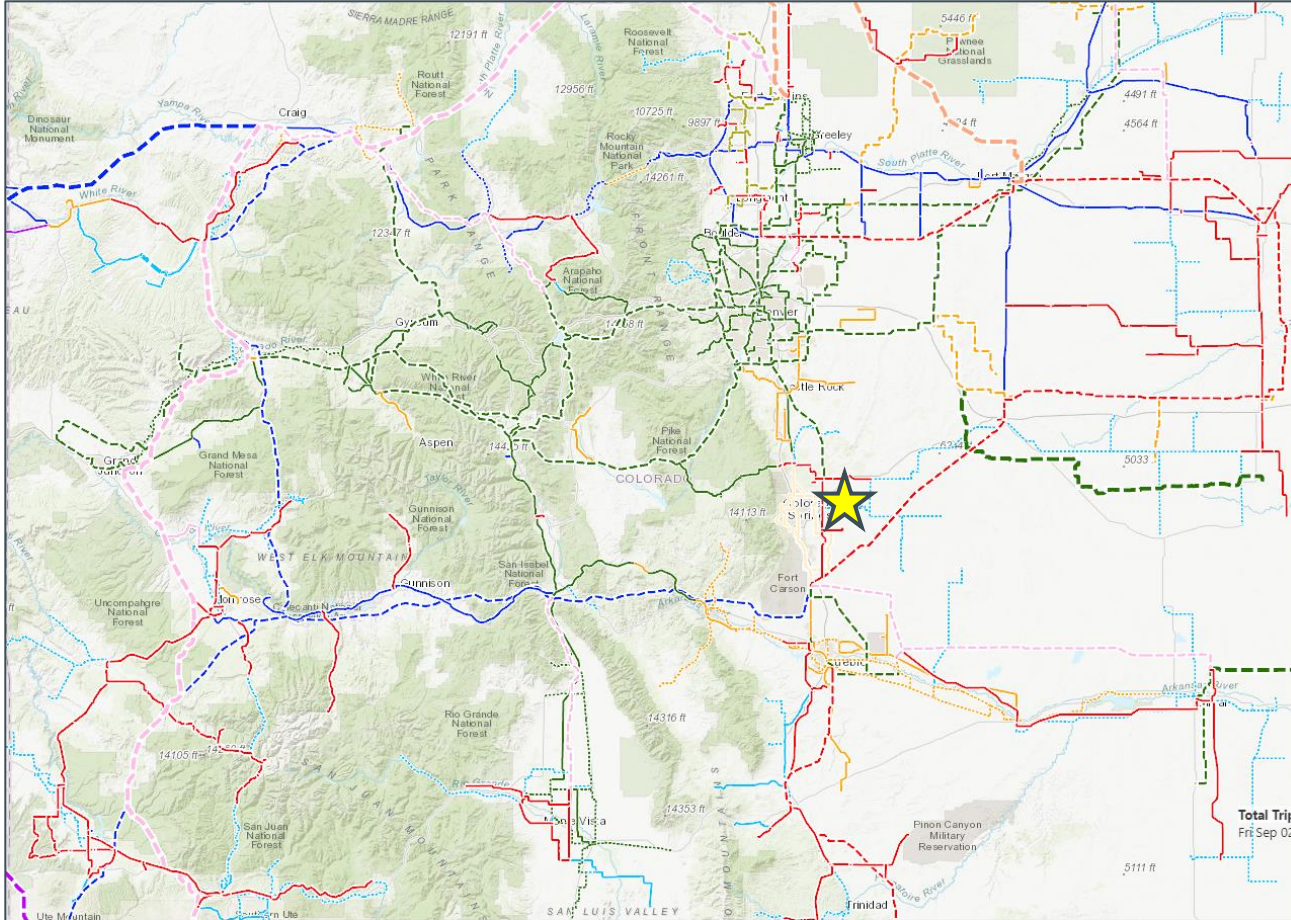


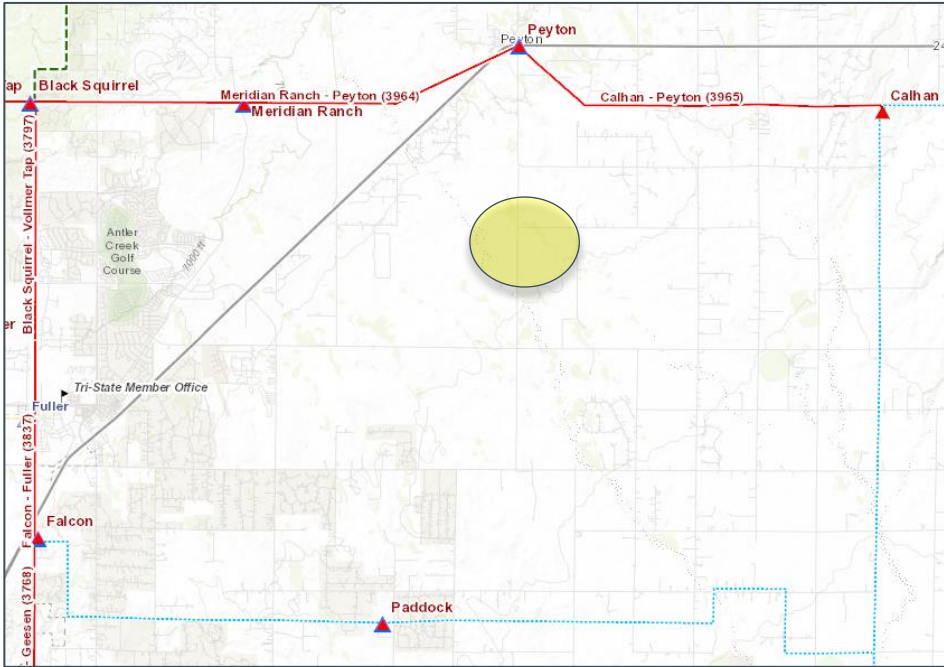
San Luis Valley – Poncha 230 kV Project

Description:	Construct approximately 60-mile 230 kV transmission line from the San Luis Valley to Poncha 230 kV.
Voltage:	230 kV
Length:	60 miles
Type:	Line.
Status:	Conceptual (Re-development)
Planned ISD:	N/A
Purpose:	Reliability.



Shaw Ranch 115 kV Substation

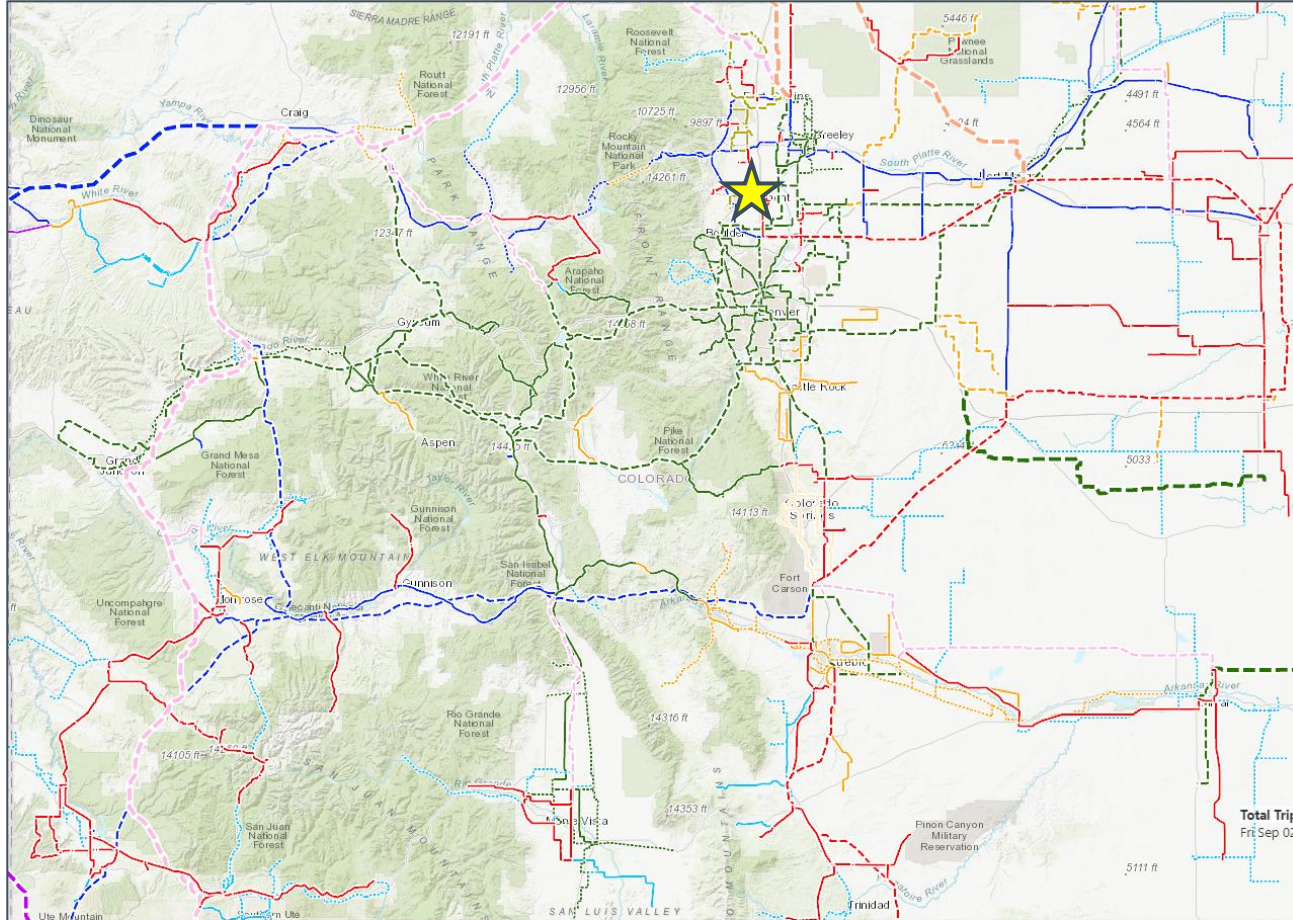


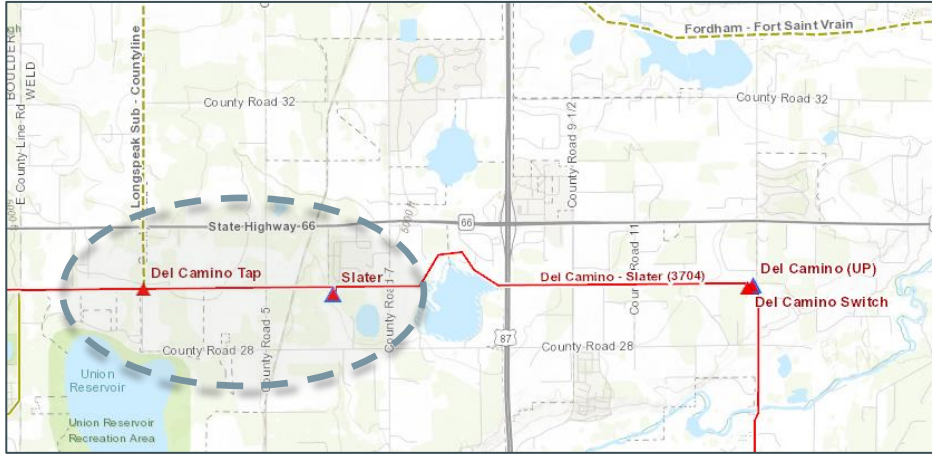


Shaw Ranch 115 kV Substation

Description:	New 115 kV single circuit line approximately 4 miles on wood H frame structures from the Peyton substation to new Shaw Ranch. Construct new 115 kV Shaw Ranch substation.
Voltage:	115/12.47 kV
Length:	4 miles
Type:	Line and Substation
Status:	Cancelled
Planned ISD:	2026
Purpose:	Load Serving

Slater Double Circuit Conversion

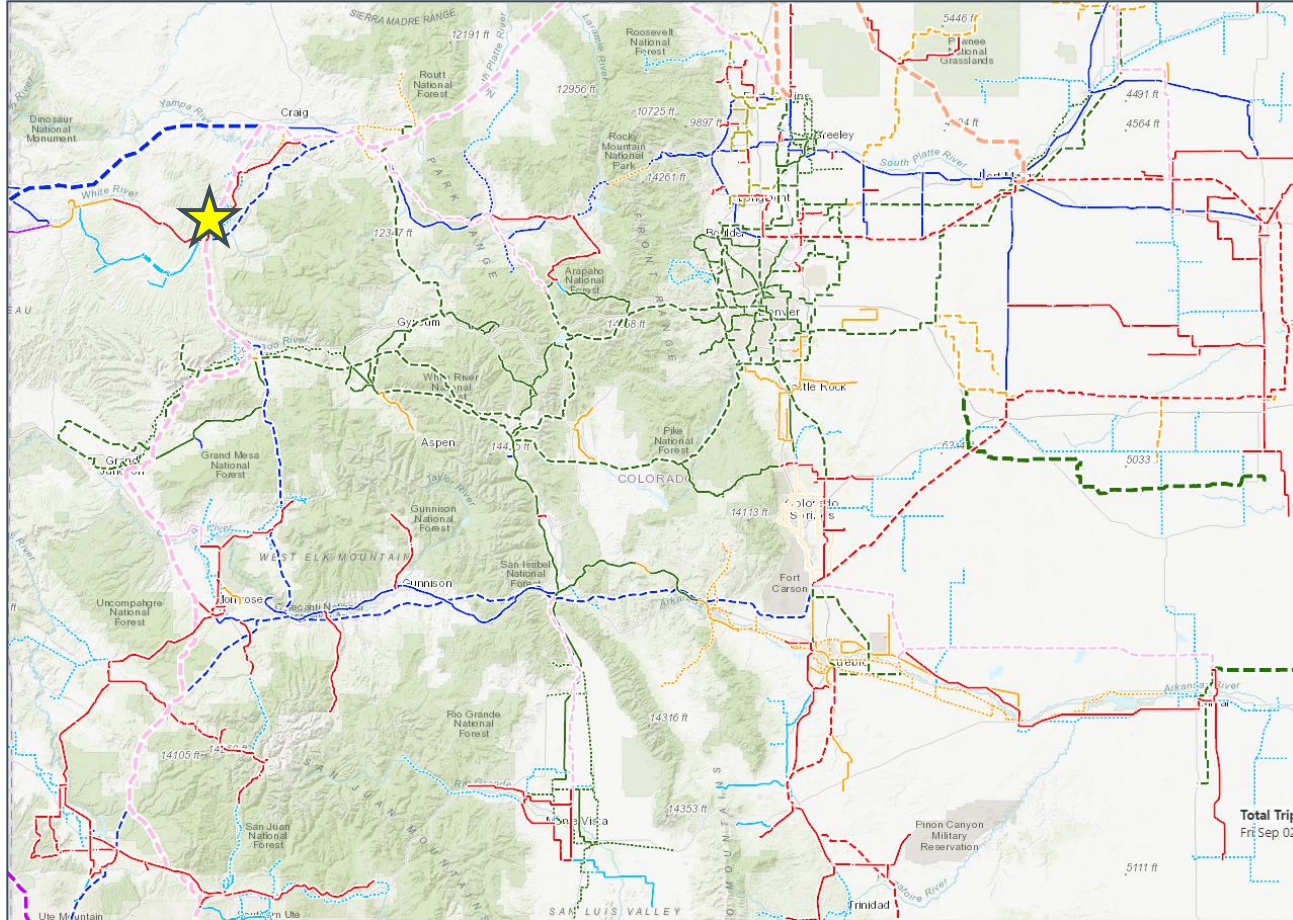




Slater Double Circuit Conversion

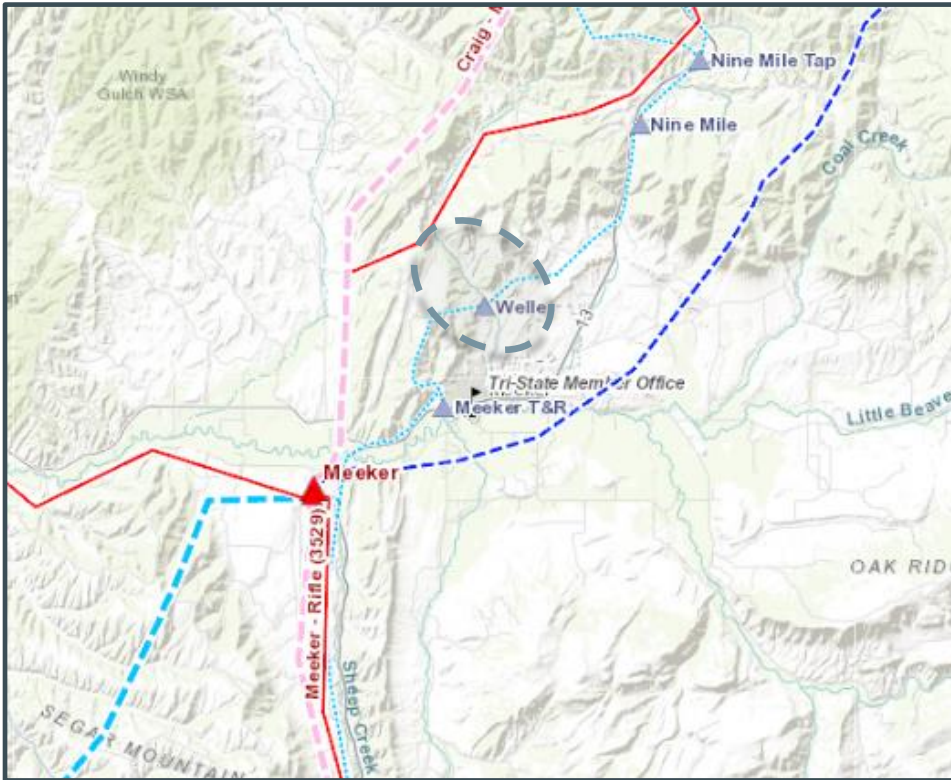
Description:	Rebuild the Del Camino Tap – Slater 115 kV line as a double circuit. Convert three terminal line to separate Longs Peak – Slater 115 kV and Meadow – Slater 115 kV lines. Add 115 kV breaker to Slater.
Voltage:	115 kV
Length:	2 miles
Type:	Line and Substation
Status:	Under Construction
Planned ISD:	2026
Purpose:	Load Serving, Reliability

Sulfur Creek 138 kV Delivery Point

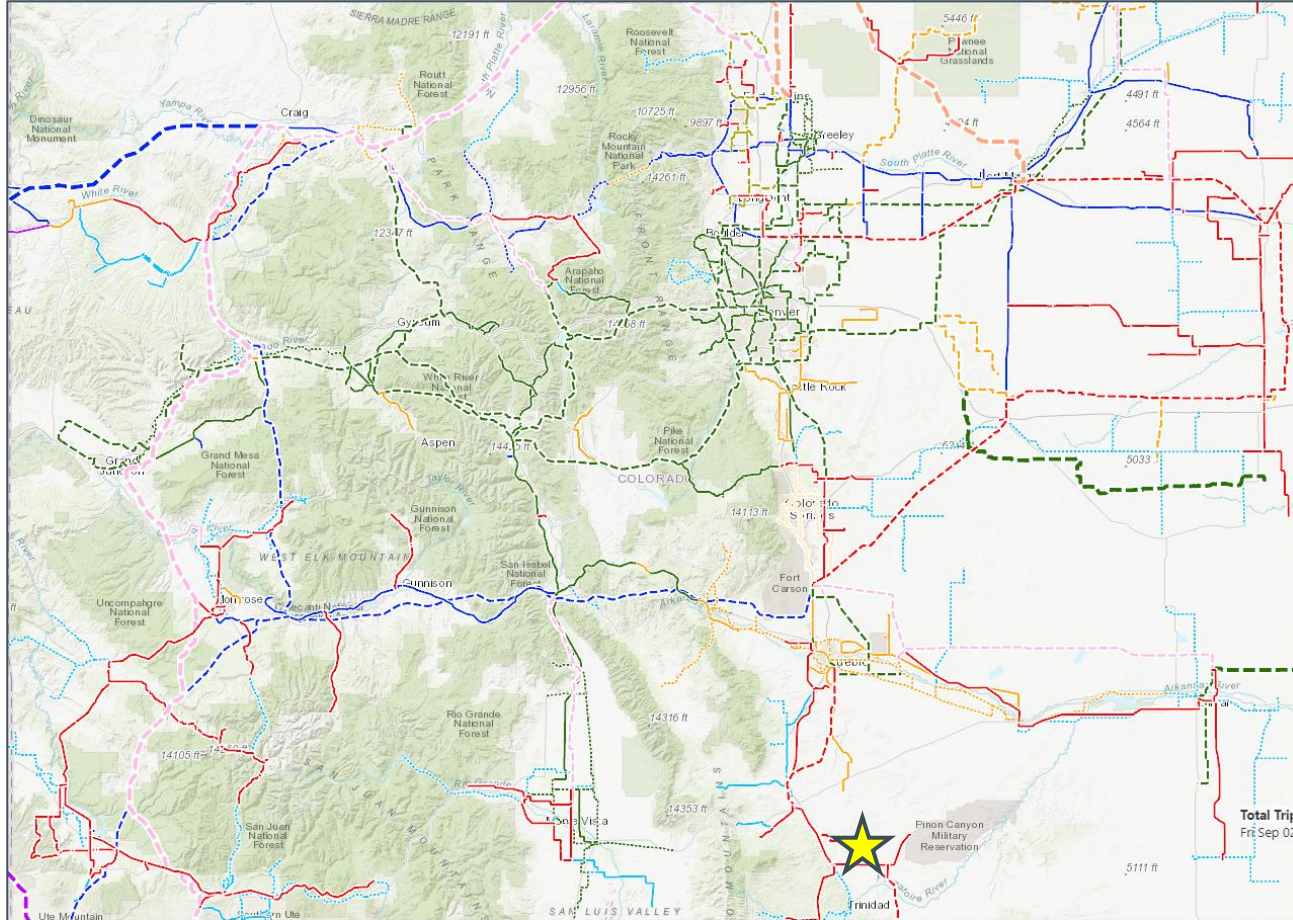


Sulfur Creek 138 kV Delivery Point

Description:	This project consists of tapping Tri-State's Axial Basin – Meeker 138 kV transmission line and constructing 1.8 miles to Welle Substation.
Voltage:	138 kV
Length:	1.8 miles
Type:	Line and Substation
Status:	Under Construction
Planned ISD:	2027
Purpose:	Load Serving, Reliability

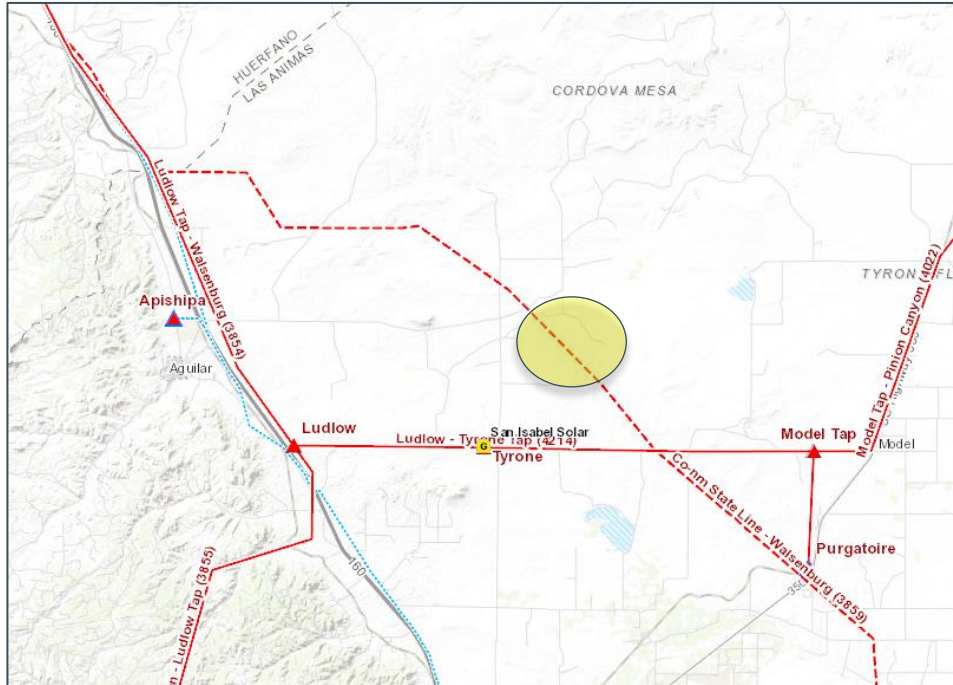


Valent 230 kV Switching Station (Spanish Peaks Solar)

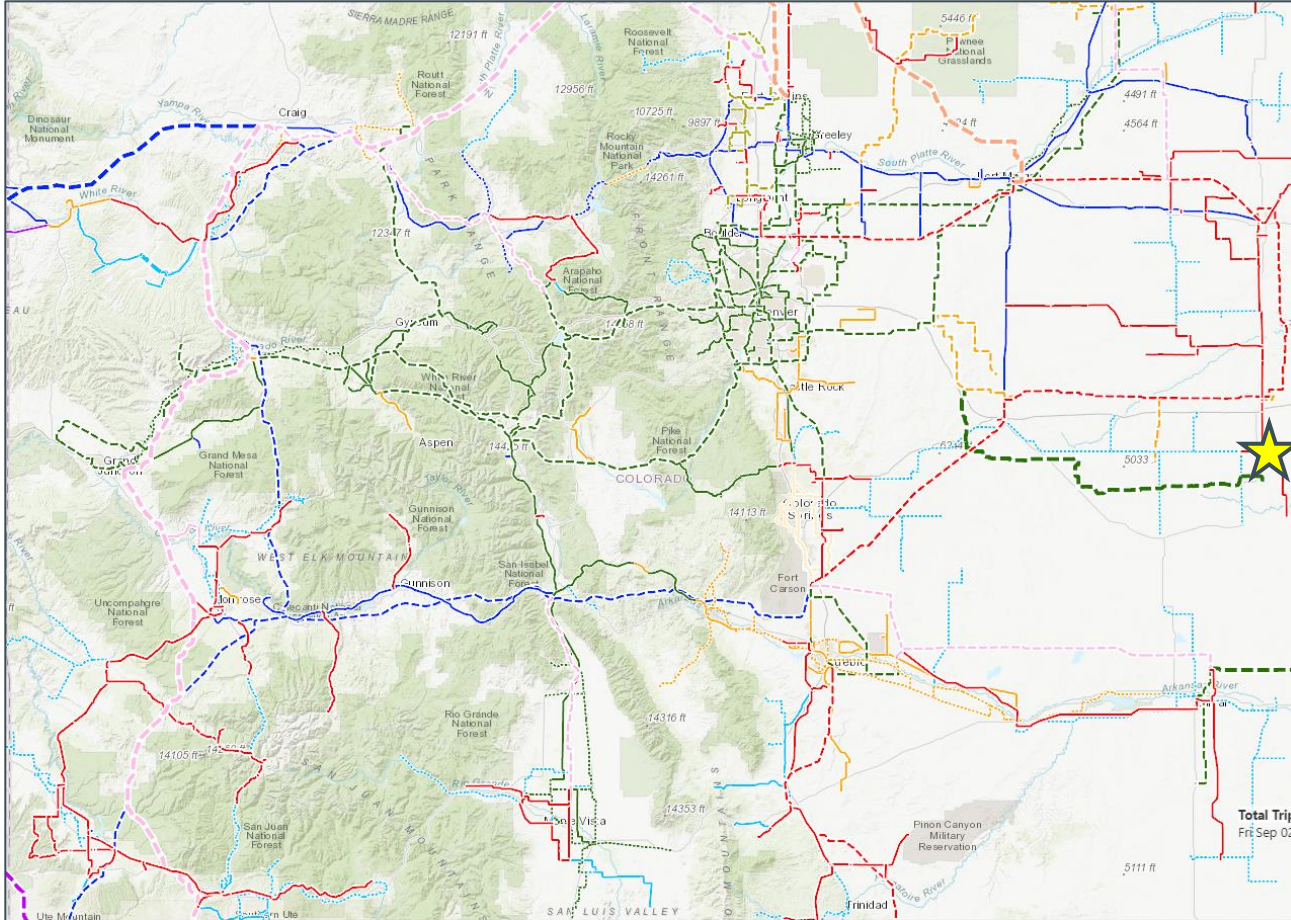


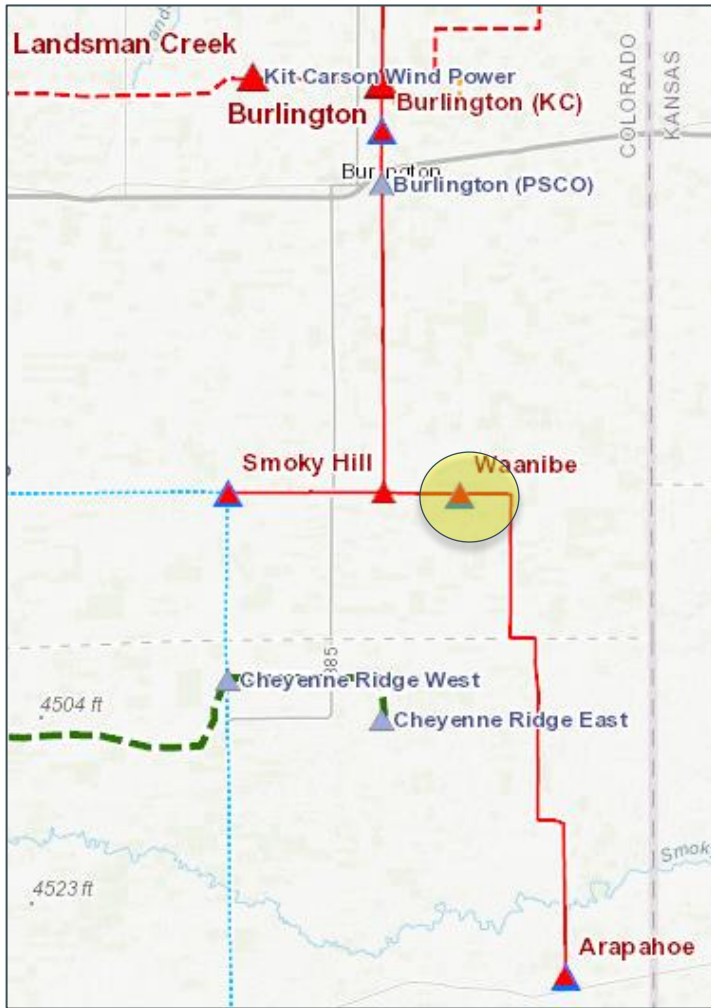
Valent 230 kV Switching Station (Spanish Peaks Solar)

Description:	Construct new 230 kV Valent Switching Station along Walsenburg – Gladstone 230 kV line to accommodate Spanish Peaks Solar
Voltage:	230 kV
Length	N/A
Type:	Substation
Status:	Energized
Planned ISD:	2024
Purpose:	Generation Addition



Waanibe T1 Replacement Project

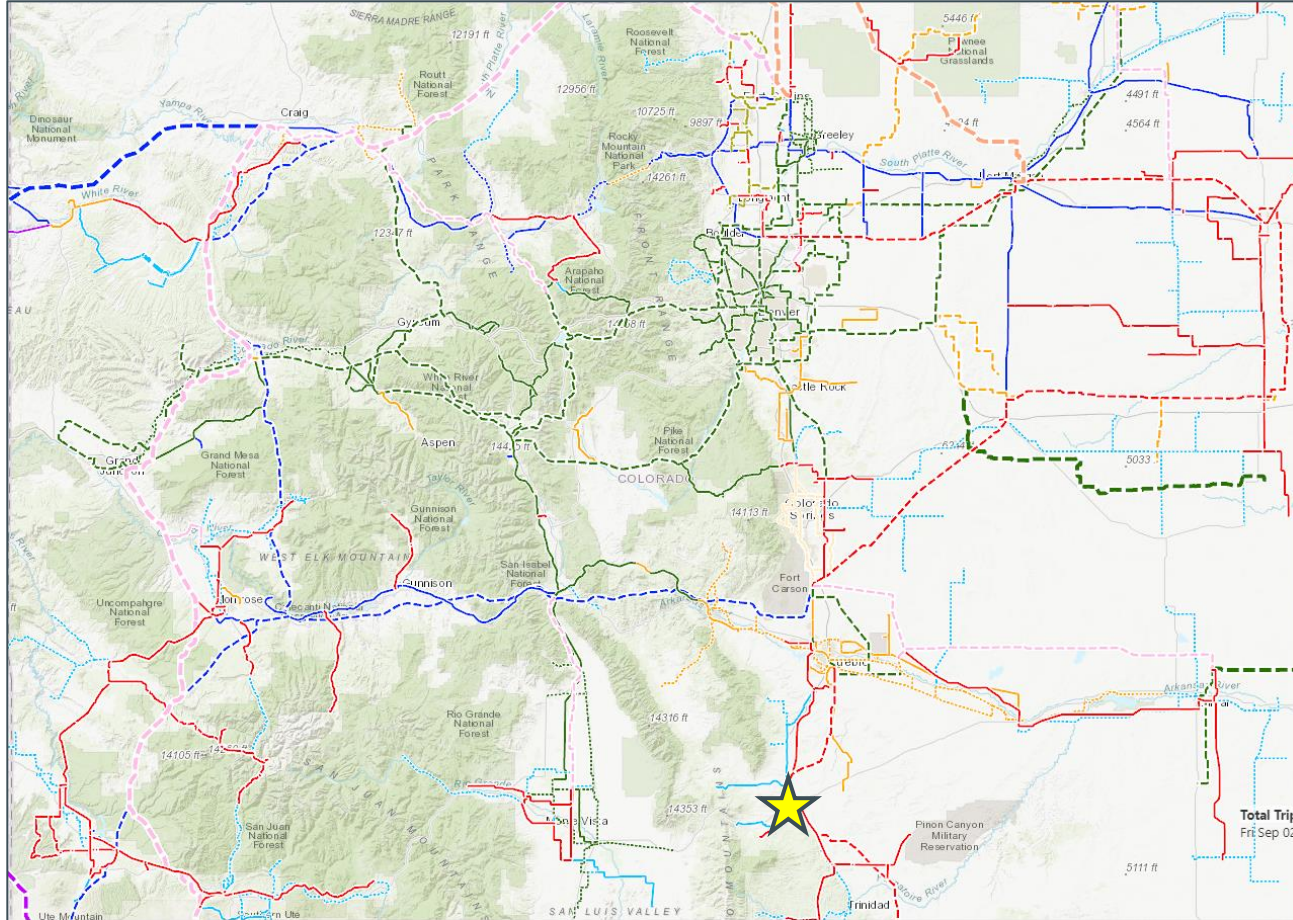




Waanibe T1 Replacement Project

Description:	Replace failed 115/24.5 kV transformer at Waanibe substation with a new transformer.
Voltage:	115/24.5 kV
Length:	N/A
Type:	Substation
Status:	Energized
ISD:	2024
Purpose:	Load Serving

Walsenburg 115/69 kV T2 Transformer Replacement



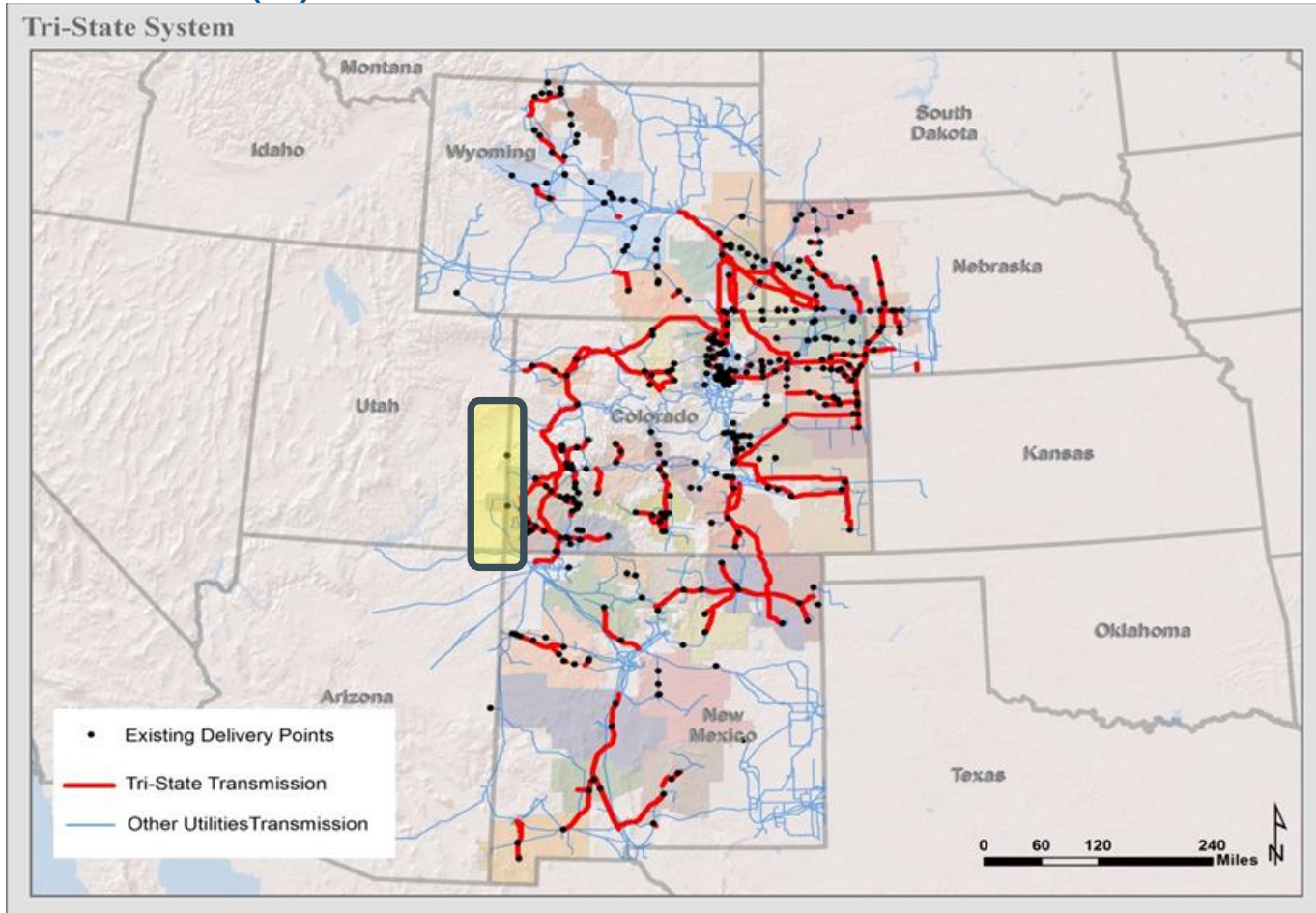


Walsenburg 115/69 kV T2 Transformer Replacement

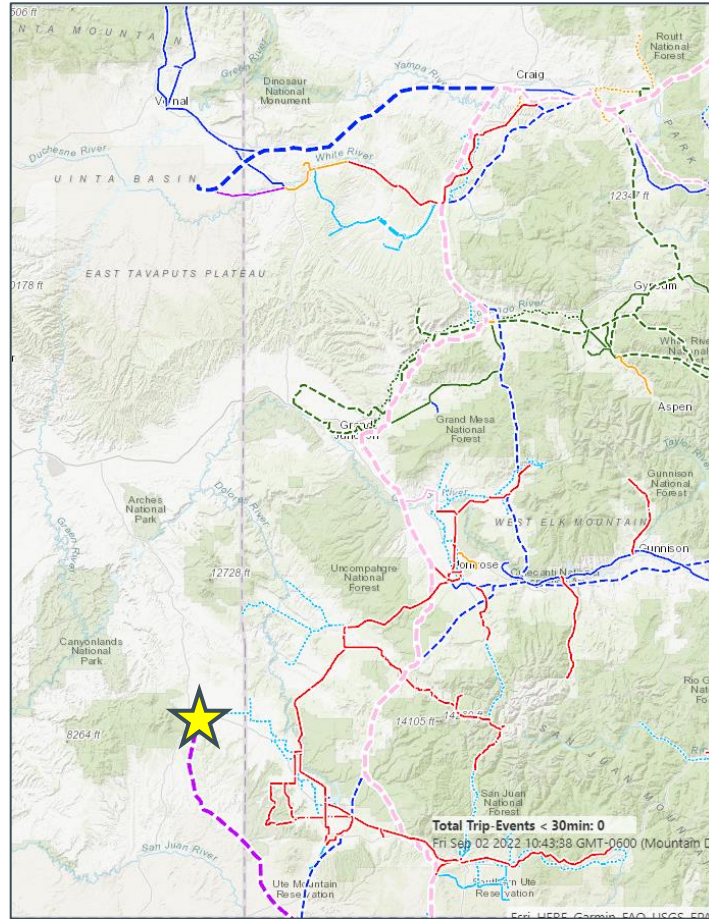
Description:	Replace 50-year-old 115/69 kV T2 transformer at Walsenburg substation with a new 50 MVA transformer.
Voltage:	115/69 kV
Length:	N/A
Type:	Substation
Status:	Energized
ISD:	2024
Purpose:	Load Serving

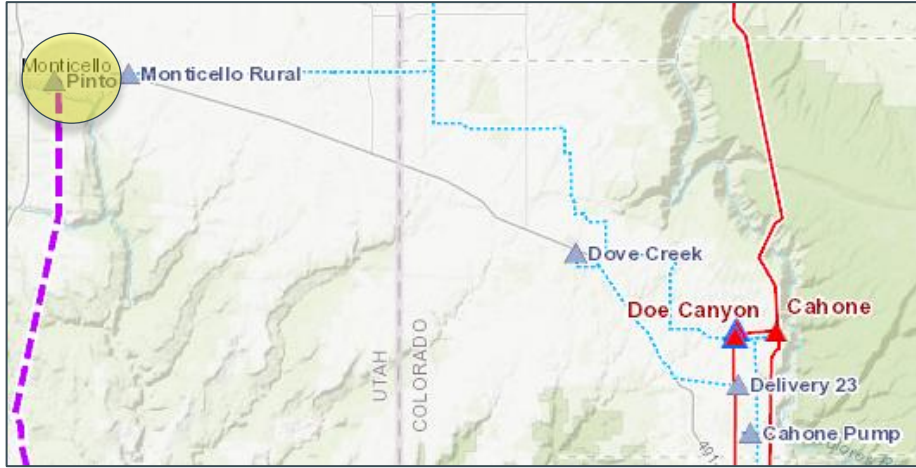


Projects: Utah (1)



Pinto 69 kV Delivery Point



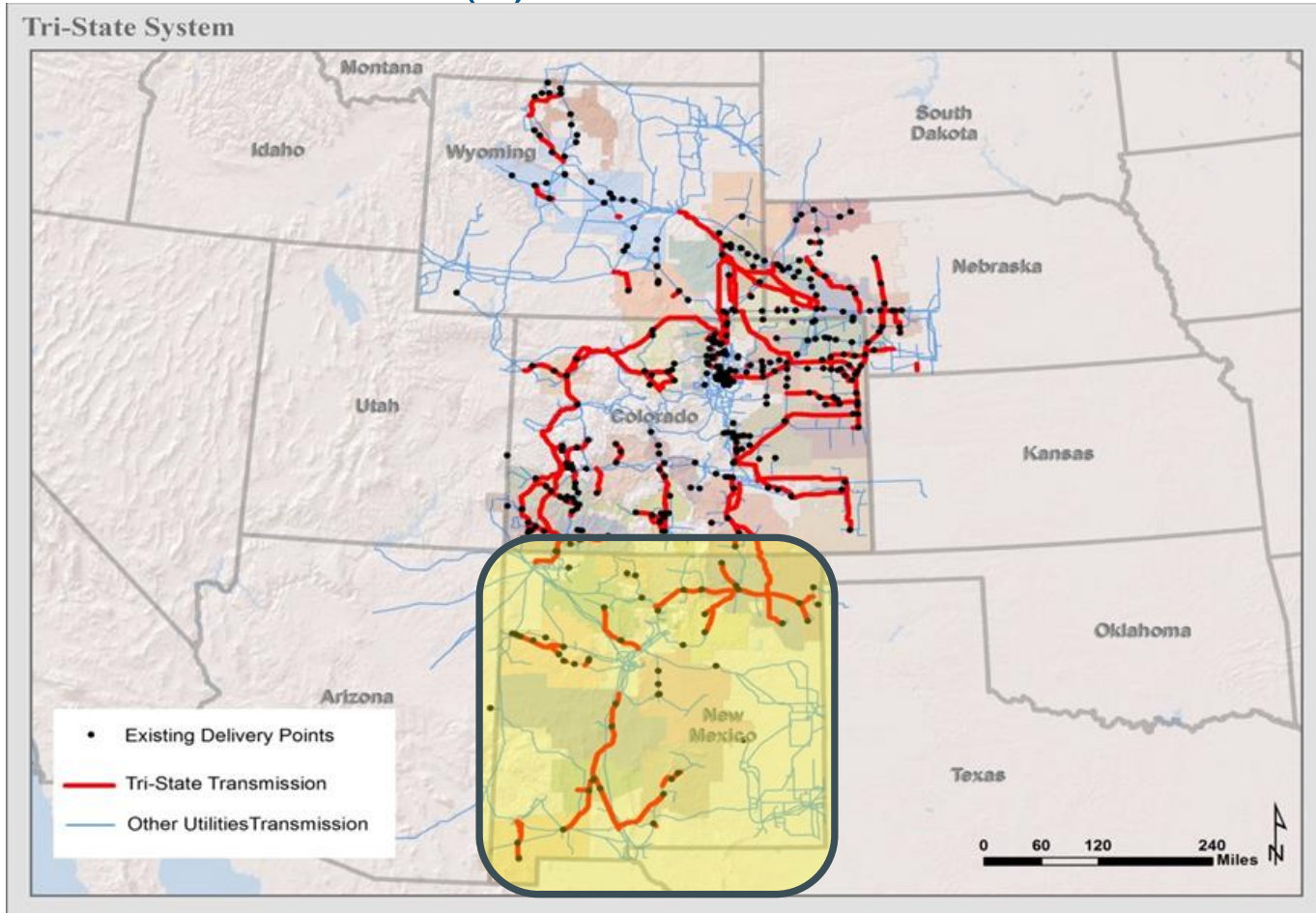


Pinto 69 kV Delivery Point

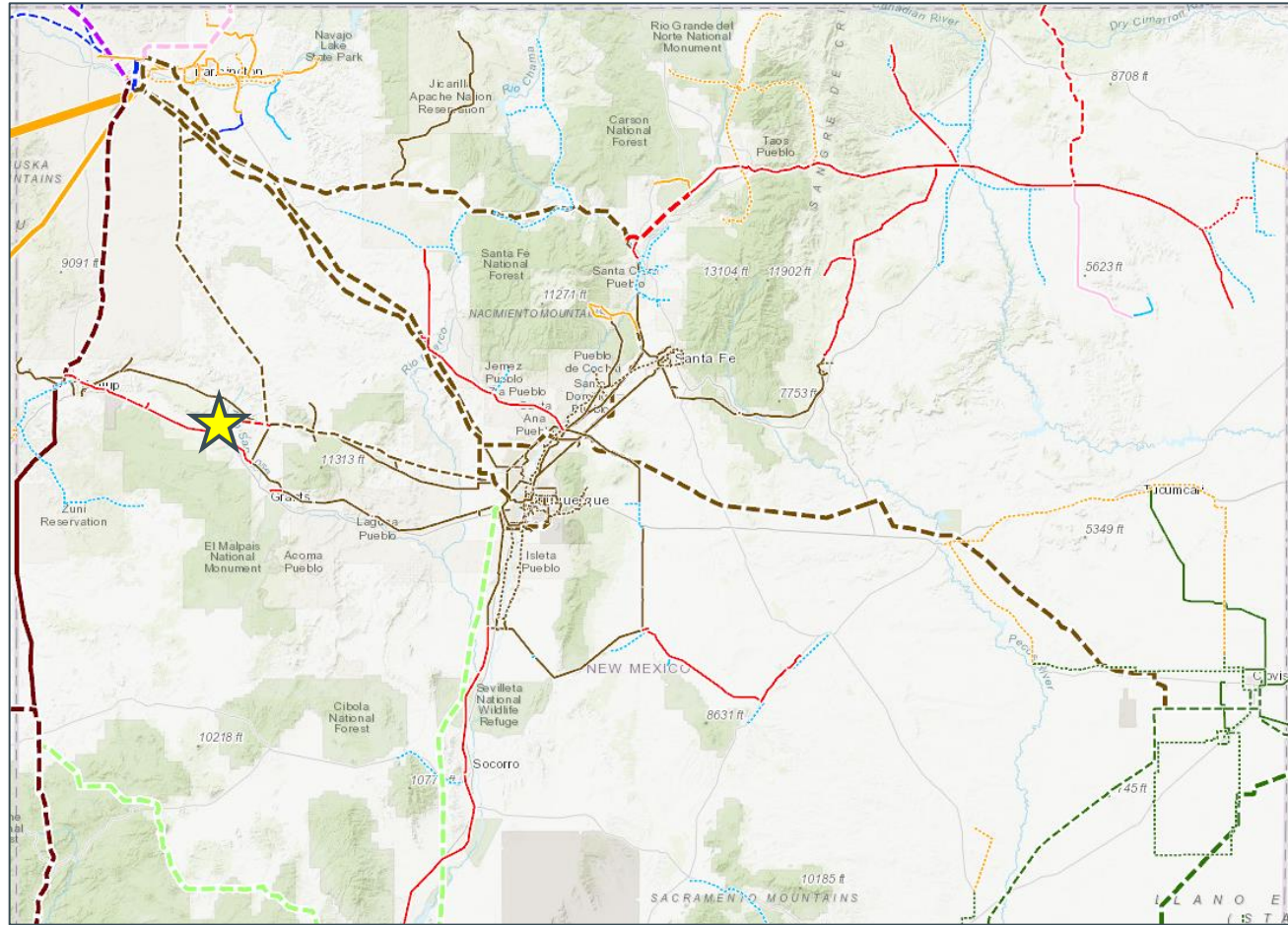
Description:	Add 69 kV line bay and delivery point to PacifiCorp's Pinto Substation
Voltage:	69 kV
Length:	N/A
Type:	Substation
Status:	Energized
Planned ISD:	2023
Purpose:	Reliability

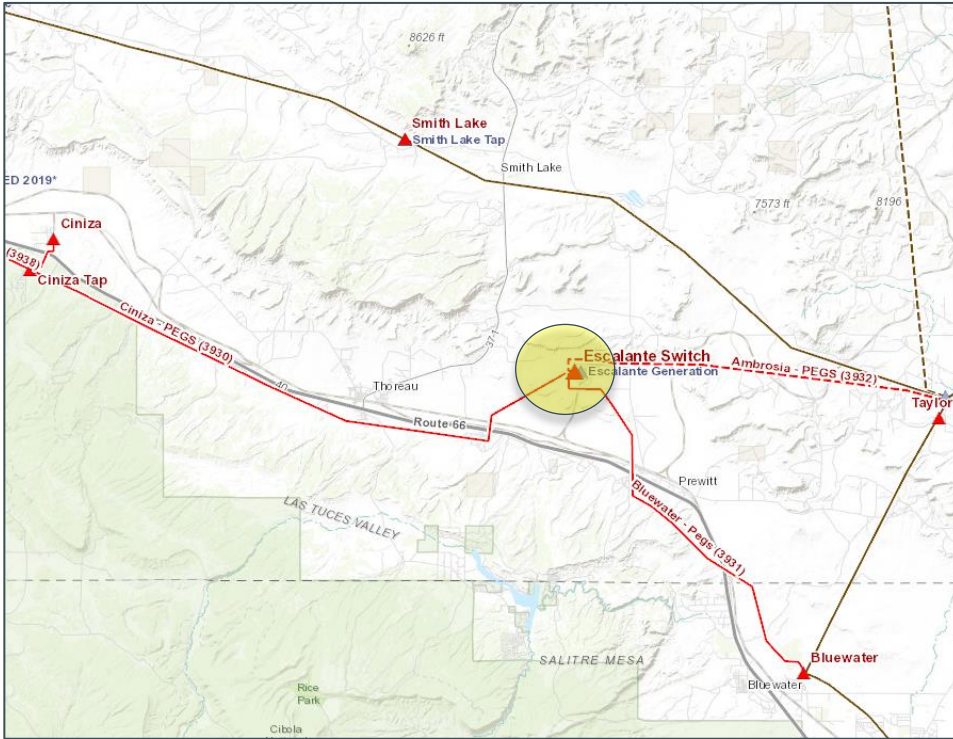


Projects: New Mexico (5)



Escalante Solar Interconnect

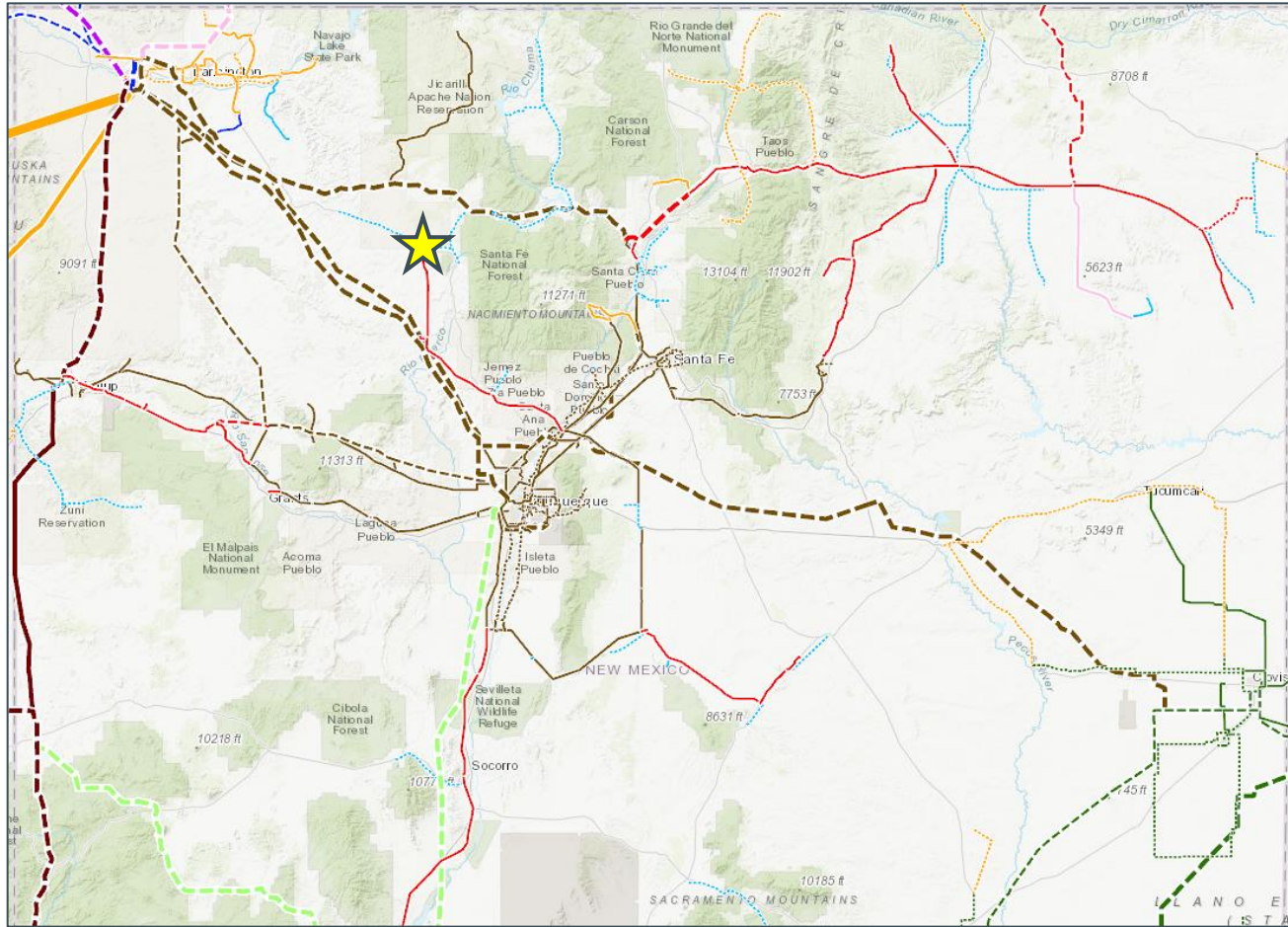




Escalante Solar Interconnect

Description:	Construct a 230 kV line bay at the existing Escalante Substation to accommodate solar interconnection
Voltage:	230 kV
Length:	N/A
Type:	Substation
Status:	Energized
Planned ISD:	2024
Purpose:	Generation Addition

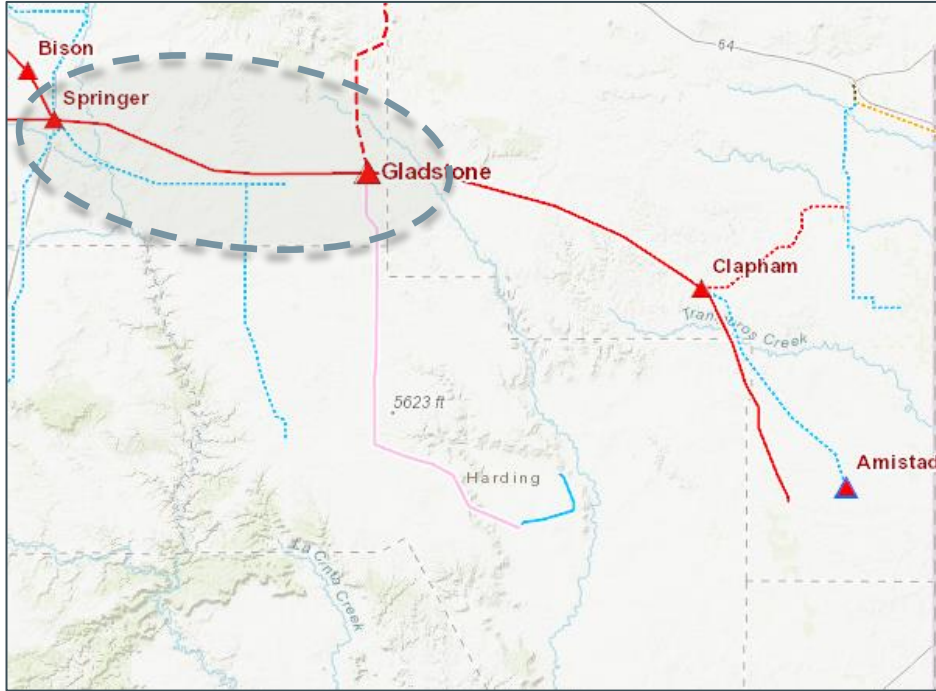
La Jara 115 kV Delivery Point





La Jara 115 kV Delivery Point

Description:	Construct a 3-breaker ring bus at the existing La Jara substation, to accommodate a new (non-Tri-State) 115 kV line to Lybrook.
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Canceled
Planned ISD:	N/A
Purpose:	Load Serving

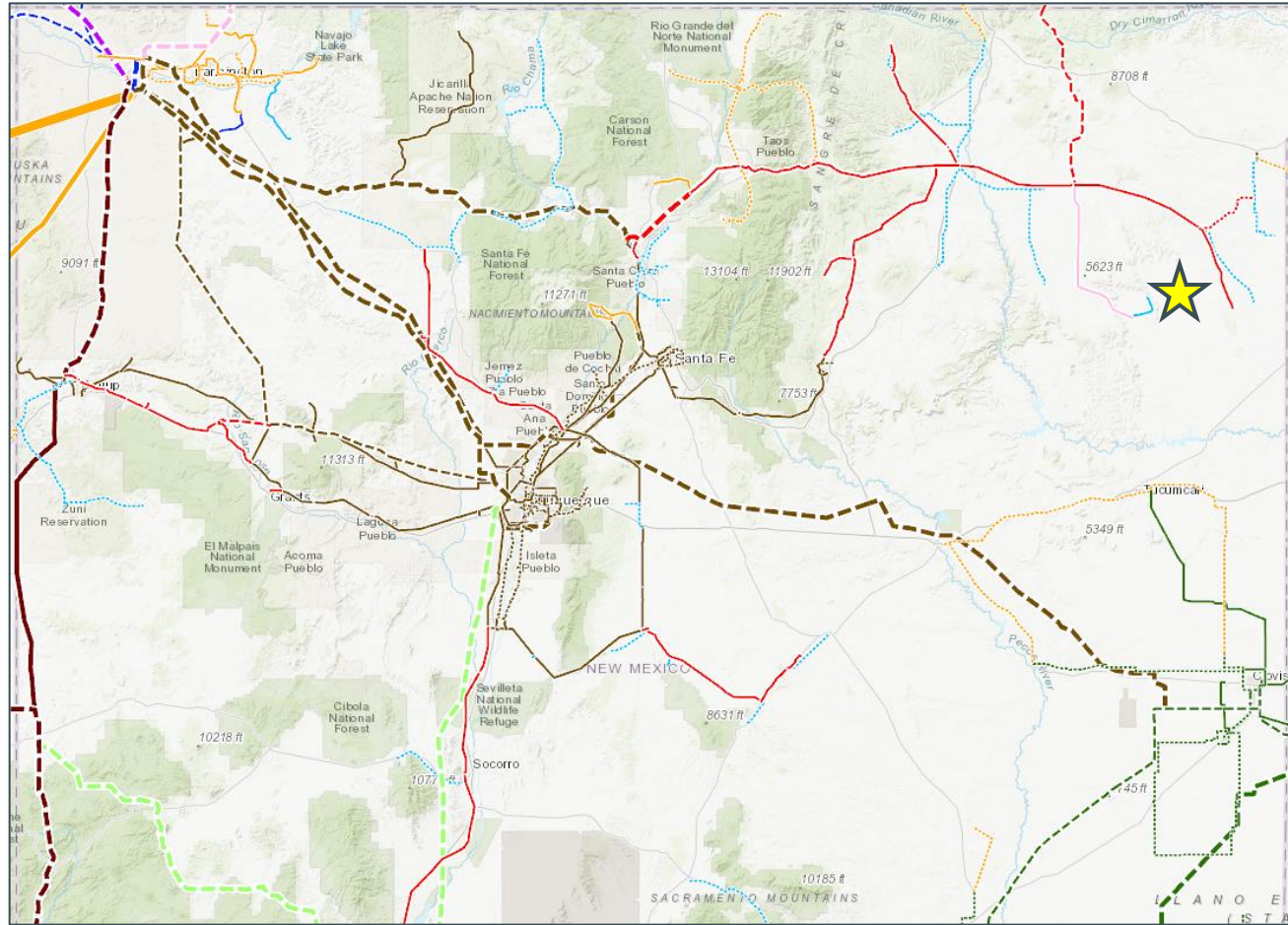


NENM Transmission Improvements Phase I

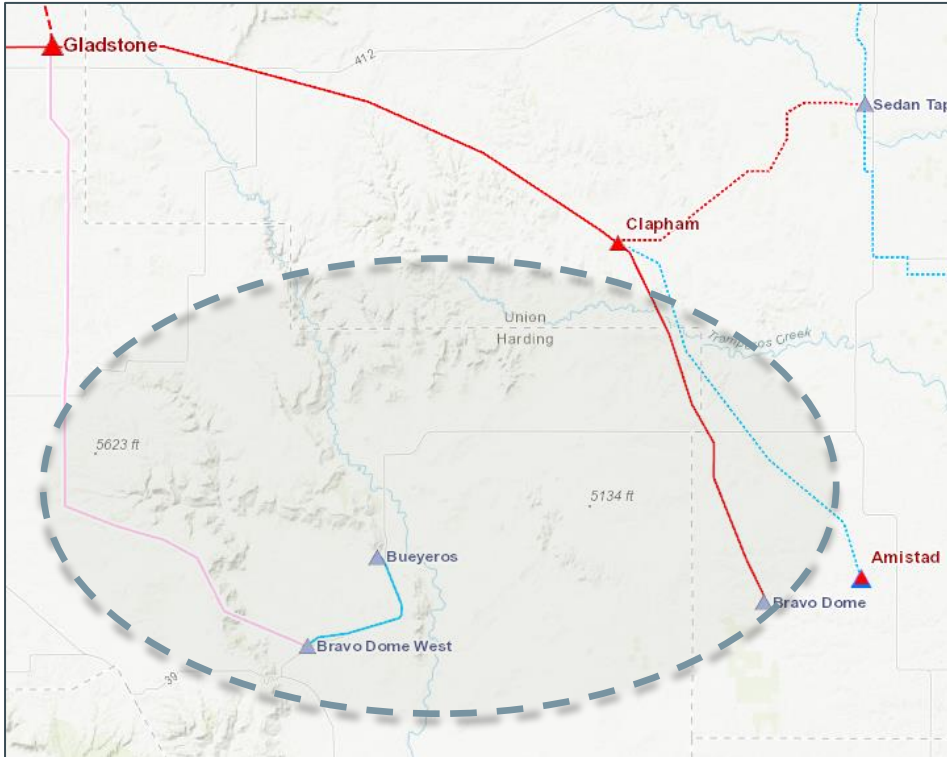
Description:	Construct a second 115 kV line from the existing Springer Substation to the existing Gladstone Substation.
Voltage:	115 kV
Length:	32 miles
Type:	Line
Status:	Canceled
Planned ISD:	N/A
Purpose:	Reliability; Load Serving.



NENM Transmission Improvements Phase II



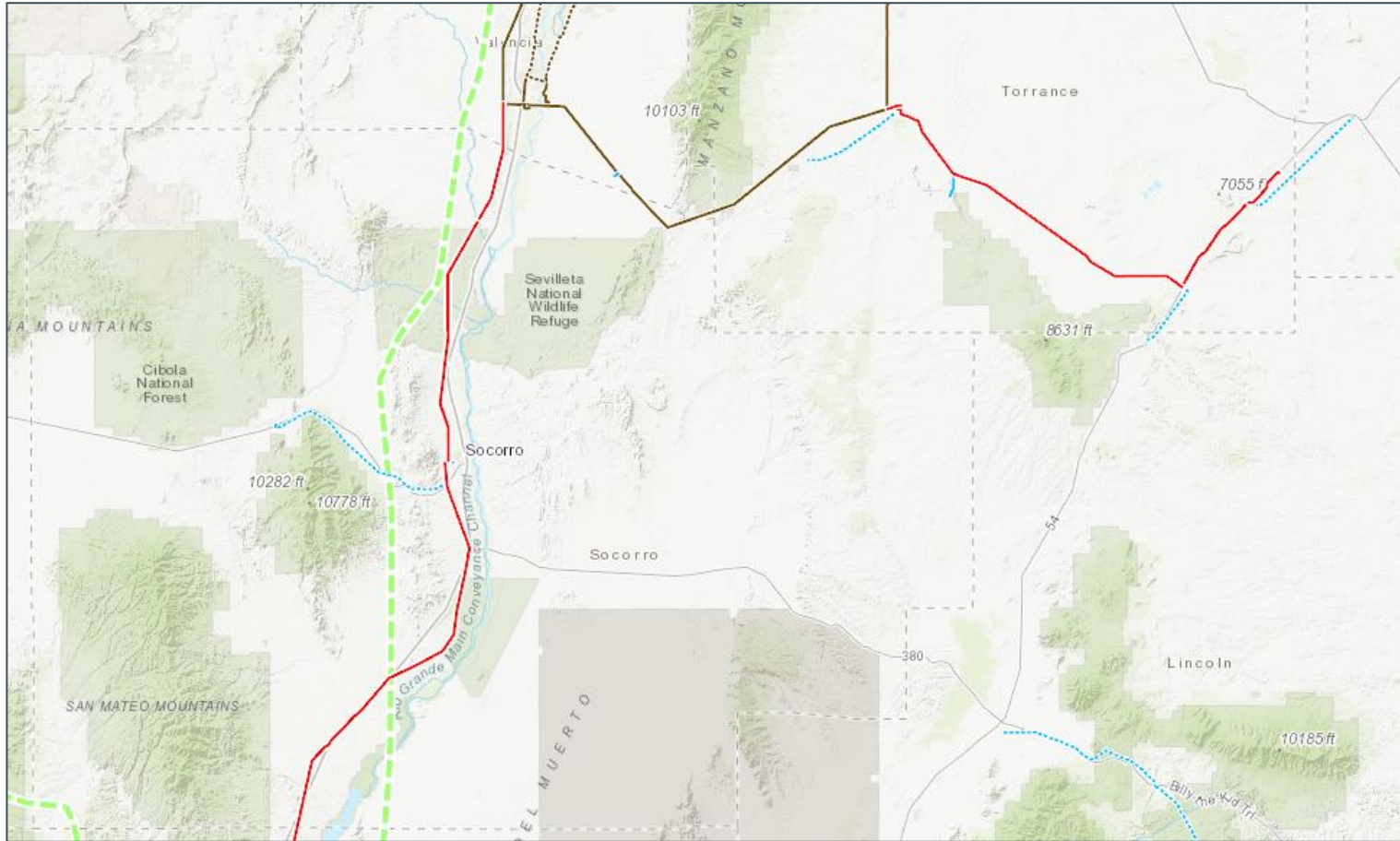
NENM Transmission Improvements Phase II



Description:	Sectionalize Gladstone – Bravo Dome West (Hess) at the new Antelope Springs Substation; Sectionalize Clapham – Bravo Dome 115 kV at the new Mosquero Substation; Construct a new 115 kV line from the planned Antelope Springs Substation to the planned Mosquero Substation; Convert Gladstone – Antelope Springs 115 kV to 230 kV.
Voltage:	230/115 kV
Length:	29 miles
Type:	Line
Status:	Canceled
Planned ISD:	N/A
Purpose:	Reliability; Load Serving.

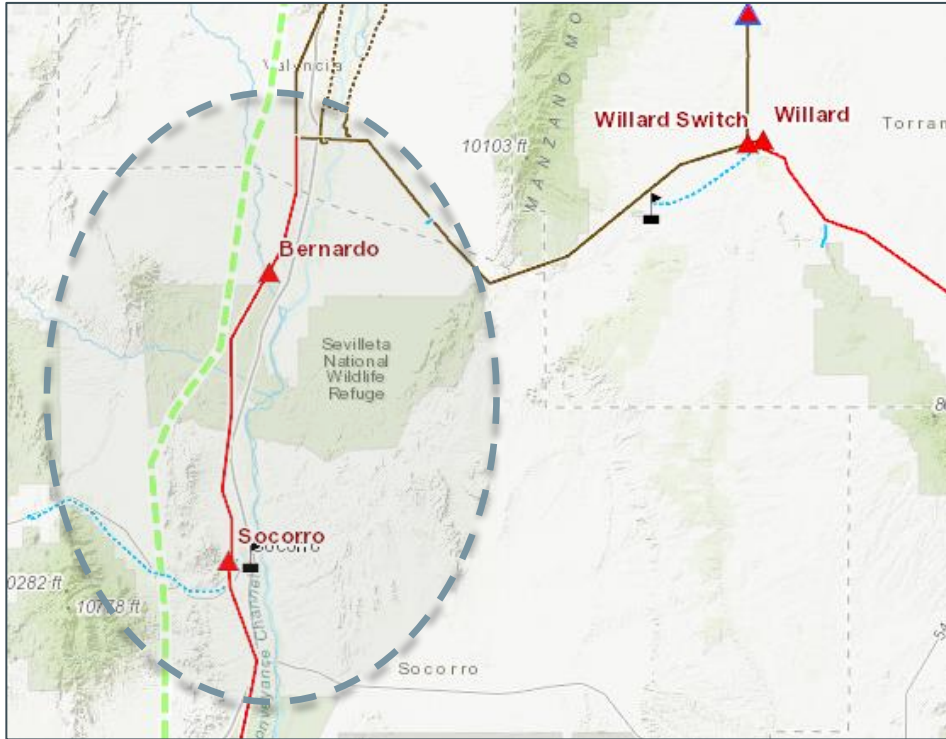


Bernardo-Socorro Structure Replacements



Bernardo-Socorro Structure Replacements

Description:	Replace 71 existing transmission line structures along the Bernard—Socorro 115 kV line.
Voltage:	N/A
Length:	N/A
Type:	Structure
Status:	Under Construction
Planned ISD:	2026
Purpose:	Replacement & Efficiency





Other Projects

Ongoing Transmission Maintenance (Replacement & Efficiency)

- **Colorado**

- Meeker – Rangely (Str. 156) 115 kV line
- Coyote Gulch – Hesperus 115 kV line
- Arickaree – Joes 115 kV line
- Deering Lake – North Yuma – Story 115 kV line
- North Yuma – Story 230 kV

- **New Mexico**

- Alta Luna – Caballo 115 kV line
- Alta Luna – Mimbres 115 kV line
- Frontier – Picacho 115 kV line
- Belen – Bernardo 115 kV



Independent Transmission Projects under Development

- **New Mexico**

- SunZia

- <https://patternenergy.com/projects/sunzia-transmission/>

- Lucky Corridor

- <http://www.luckycorridor.com/>
 - Includes Mora Project w/ Don Carlos Wind and Vista Trail Project

- **Wyoming**

- TransWest Express

- <http://www.transwestexpress.net/>



For more information

Tri-State webpage:

<https://www.tristate.coop/>

- click “*Operations*”
- then see “*Transmission Planning*”

Tri-State Email:

- transmissionplanning@tristategt.org

CCPG Comment Form (for Colorado projects):

- http://regplanning.westconnect.com/ccpg_stakeholder_opportunities.htm





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