TRI-STATE G&T

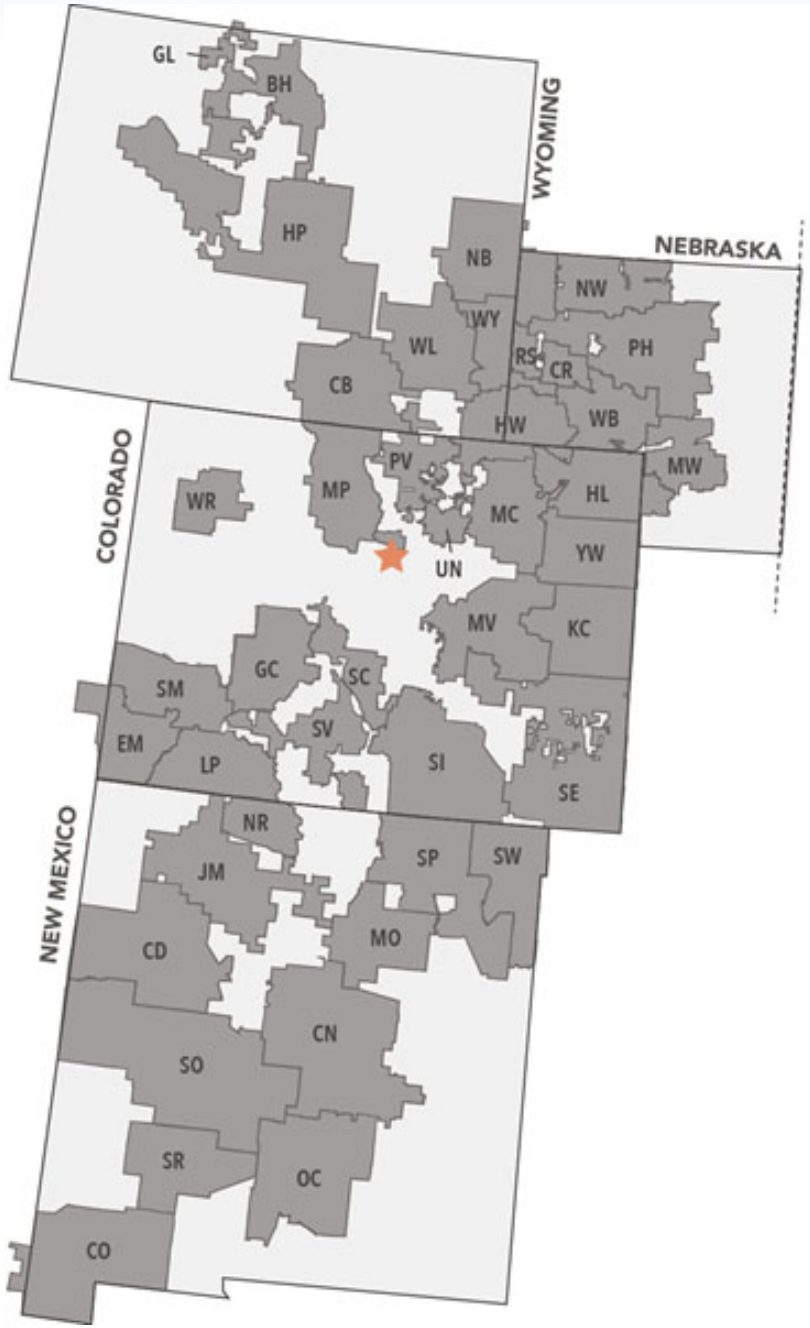
A Touchstone Energy® Cooperative

Colorado Rule 3627 & FERC Order 890 Stakeholder Meeting

October 10, 2022

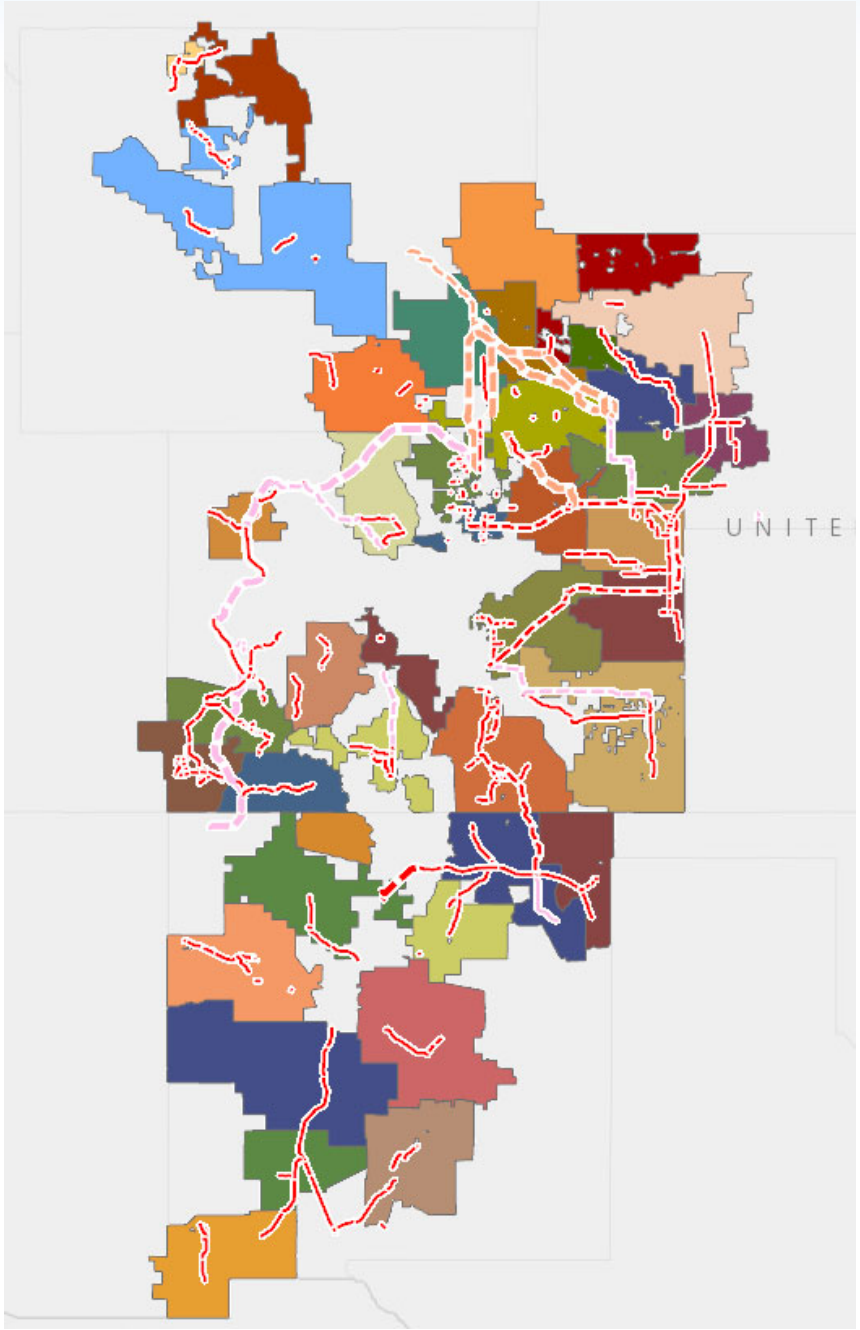
Who is Tri-State?

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.

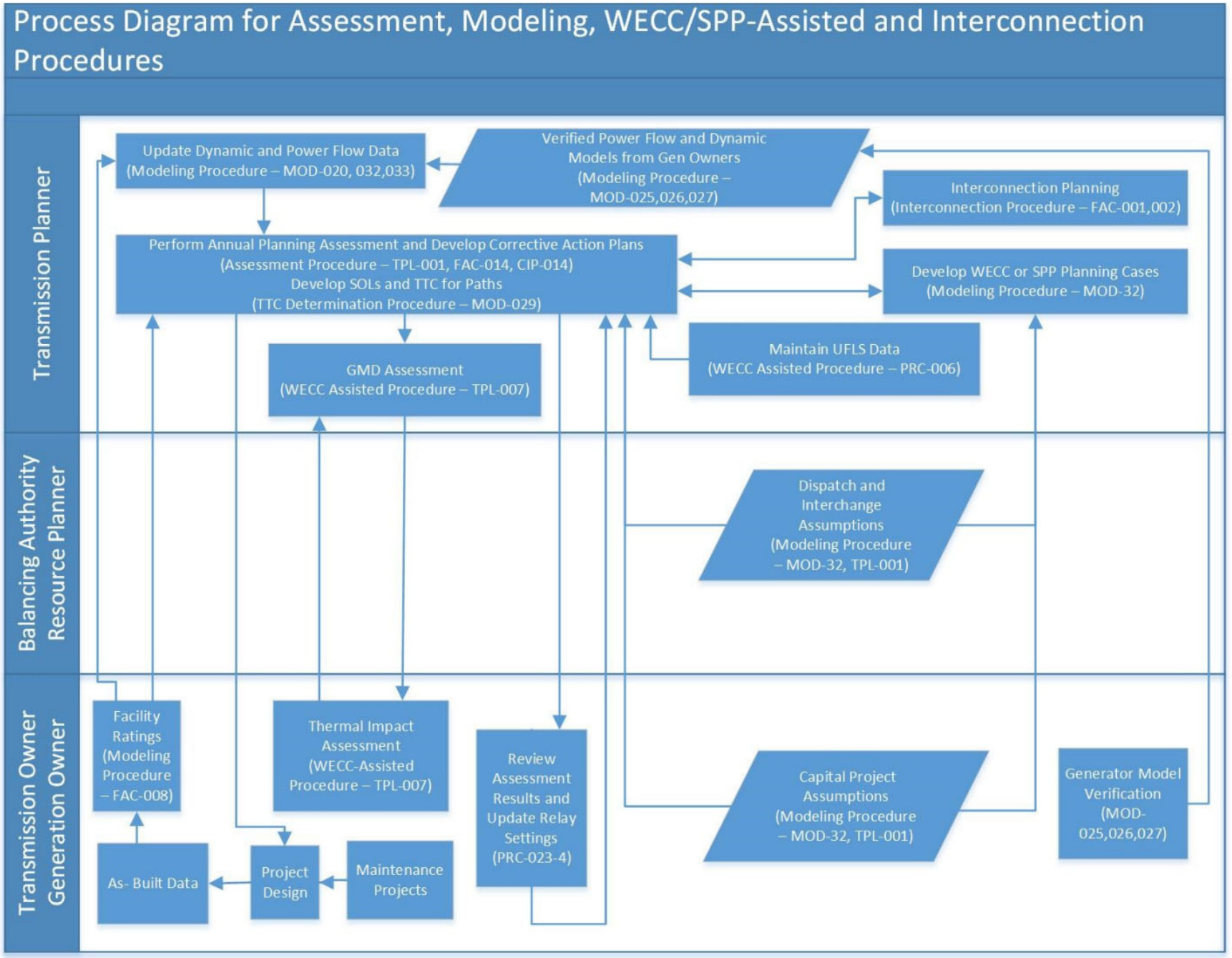
- Colorado Coordinated Planning Group (CCPG)
  - Voluntary, open transmission planning forum.
  - Membership is open to all interested stakeholders.
  - Includes all Colorado transmission providers
  - http://regplanning.westconnect.com/ccpg.htm

Planning Processes

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

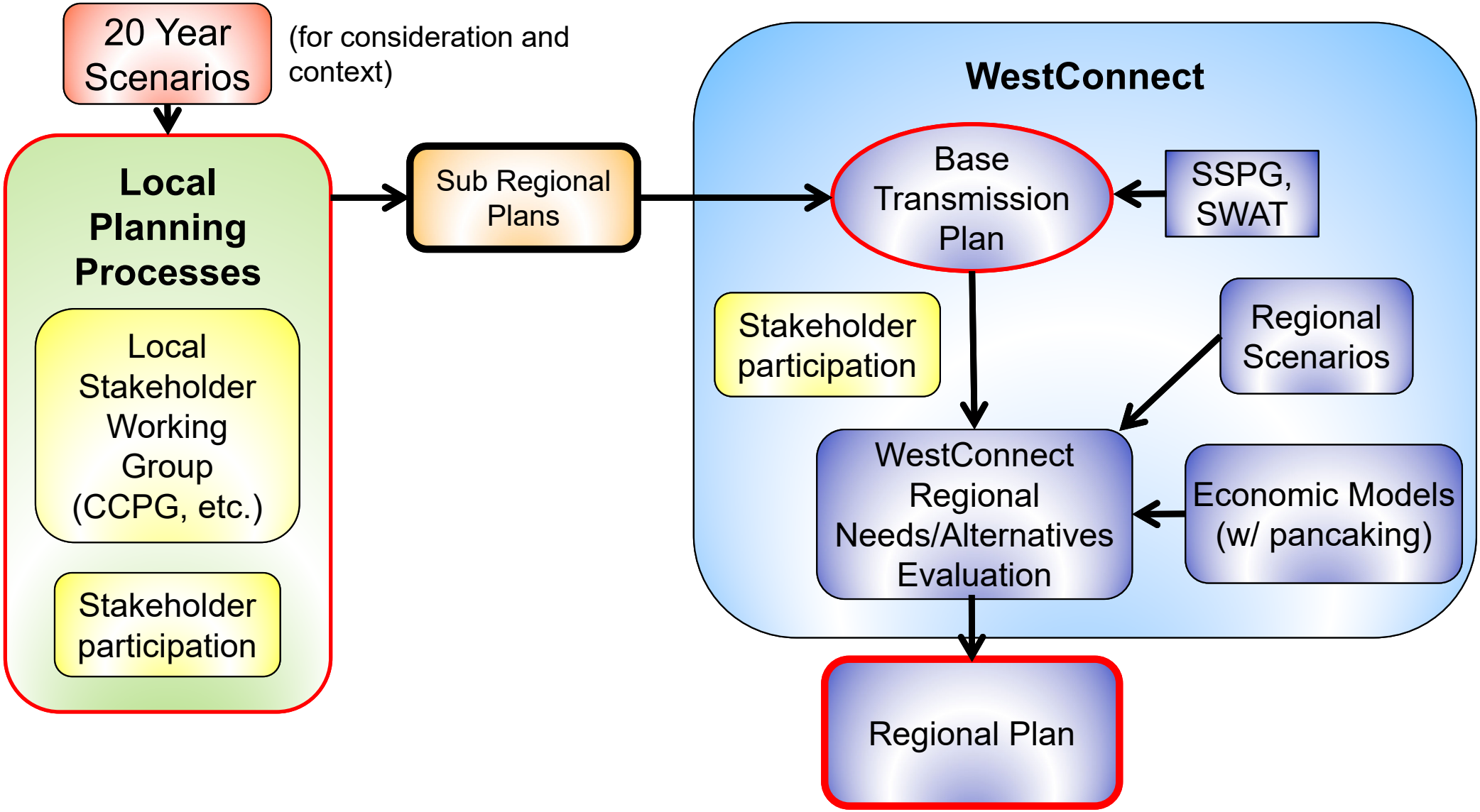


Study Process and/or Methodology for Other Studies

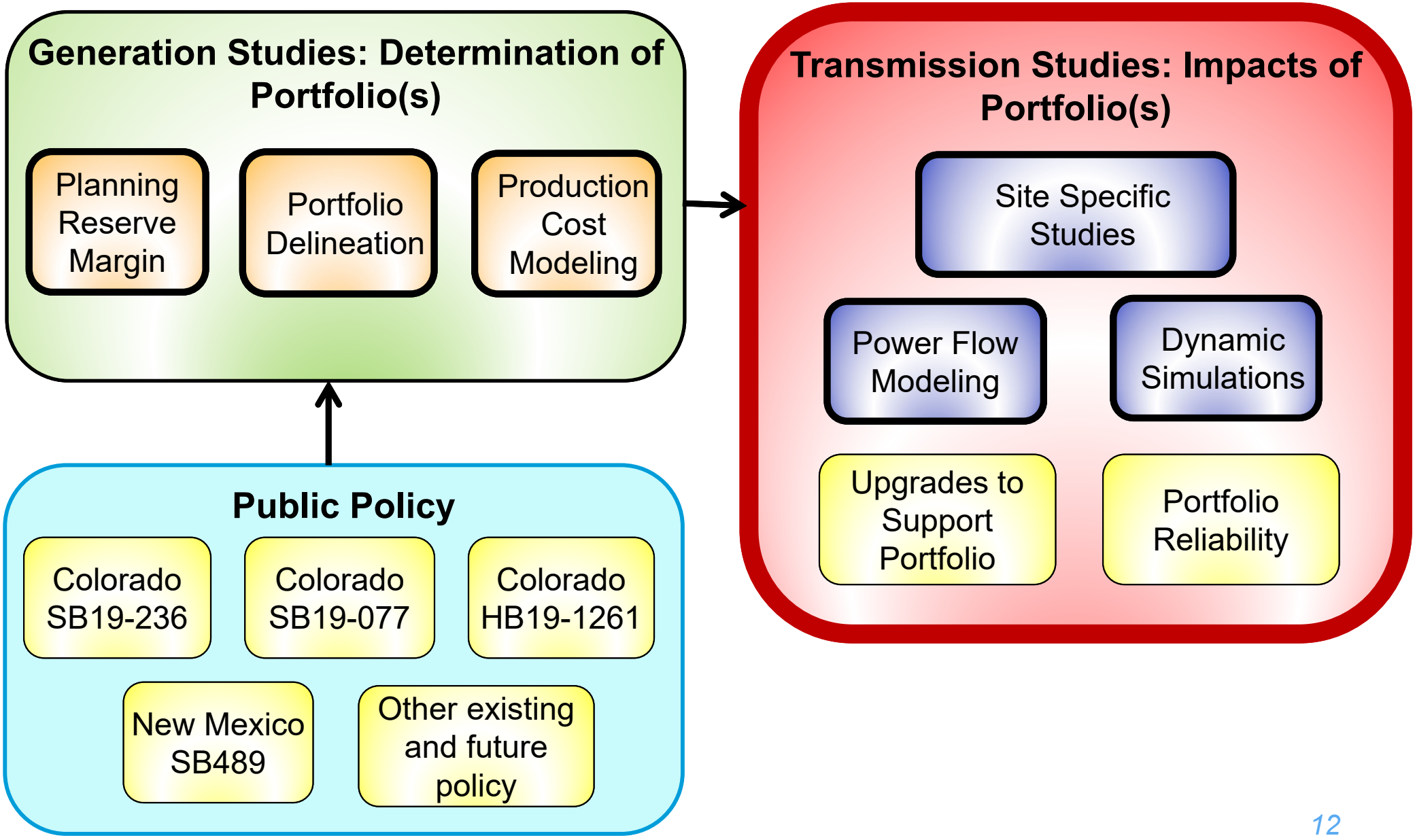
- Tri-State's Open Access Same-Time Information Site (OASIS): https://www.oasis.oati.com/tsgt/index.html
  - Transmission Planning Process
    - → Open Access Transmission Tariff (OATT)
      - Attachment K of OATT
  - Large Generator Interconnection Procedures
    - → Open Access Transmission Tariff (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:



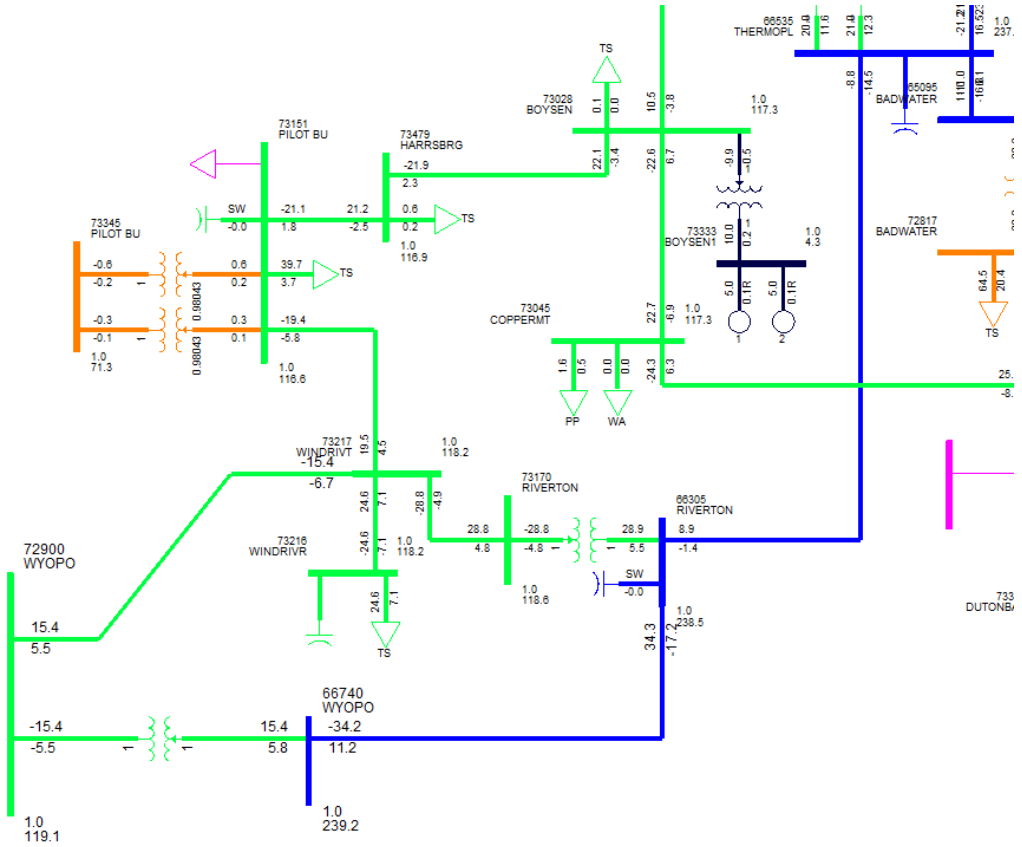
Resource Portfolios vs Transmission Planning



Required Studies

Power Flow Studies

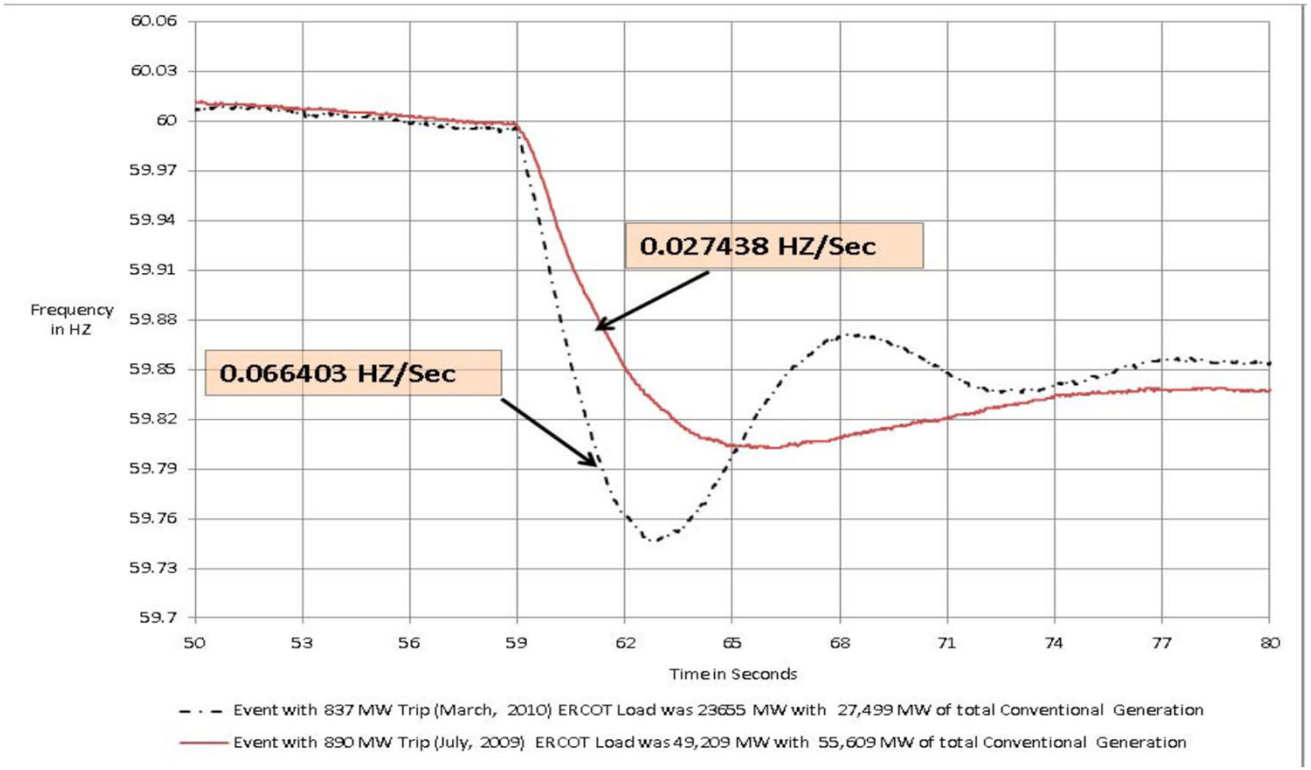
- Contingency analysis (P0-P7 & Extreme Events per NERC TPL-001-5)
- Monitor for overloads and voltage issues
- Identify areas for local, site-specific studies



Required Studies

Dynamic Simulations

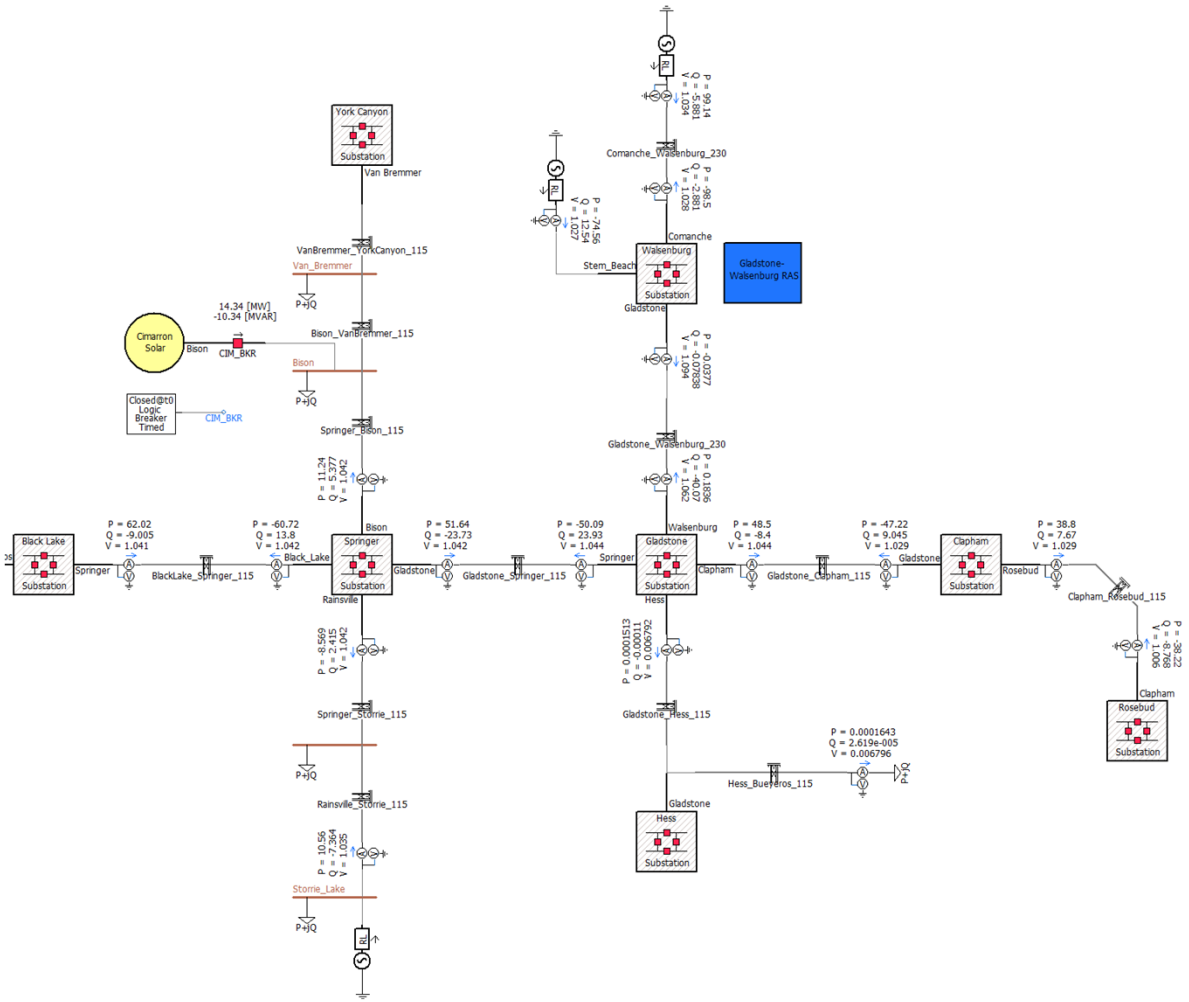
- Monitor frequency response
- Monitor governor response, rotor angle stability, out of step
- Voltage instability and ride through
- Dynamic VARS



Required Studies

Localized (Electromagnetic Transient) Studies

- Controller interactions
- Flicker
- Harmonics
- Weak Grid



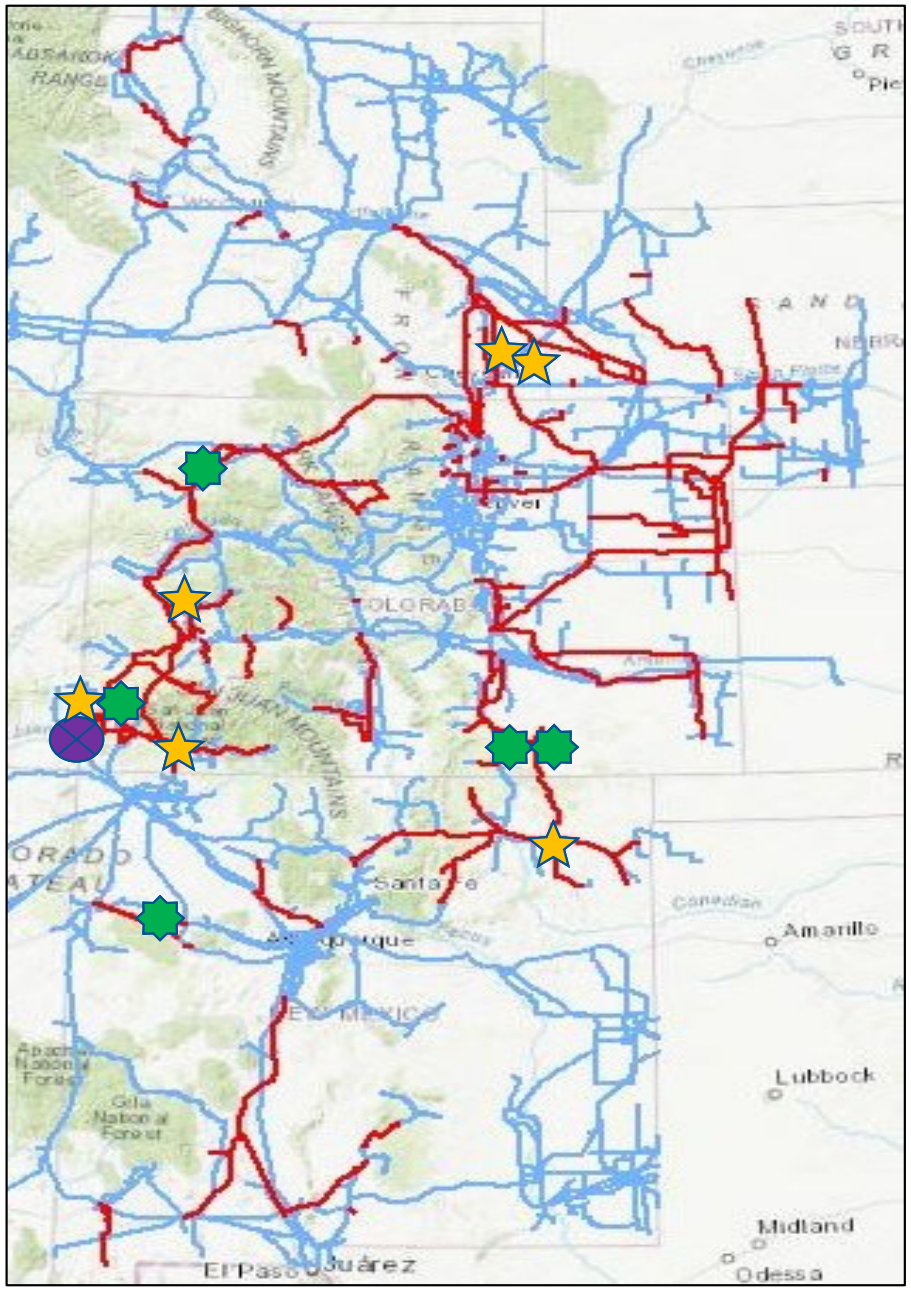
Generator Interconnection Queue

- Generator Interconnection Request Queue
  - https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/Active_Interconnection_Request_Queue.pdf

- Large Generator Interconnection Requests
  - Eleven (11) executed Generator Interconnection Agreements, totaling ~1,386 MW
    - Three (3) Generator Interconnection Agreements are in suspension
      - TI-18-0227C (103MW at Round Top Substation)
      - TI-17-0228 (78MW at Gladstone Substation)
      - TI-17-0225 (248.4MW on LRS-Wayne Child 345kV line)
  - 2021 DISIS Cluster – Ten (10) Interconnection Requests, totaling ~1,718 MW
  - 2022 DISIS Cluster – Forty-two (42) Interconnection Requests, totaling ~6,869 MW
  - TOTAL - **~9,973 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:

- https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/LGIA_Interconnection_Request_Queue.pdf

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 Couty, 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	Ouray 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	10/1/2023	No	Executed LGIA
TI-17-0228	9/11/2019	Gladstone Sub/Gladstone-Hess 115kV Line	Union County, New Mexico	Network Resource	78 MW Wind	4/15/2028	Yes	Suspended LGIA
TI-17-0225	9/5/2019	LRS-Wayne Child 345kV	Platte/Goshen Counties, Wyoming	Network Resource	248.4 MW Wind	12/1/2023	Yes	Suspended 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	No	Executed LGIA
GI-TC-2021-01	3/15/2021	Craig-Meeker 345kV Line	Moffat & Rio Blanco Counties, Colorado	NRIS	145 MW Solar	12/31/2023	No	Executed LGIA
GI-TC-2021-03	3/15/2021	Cahone	Dolores County, Colorado	NRIS	110 MW Solar	12/31/2023	No	Executed LGIA
GI-TC-2021-04	3/15/2021	Walsenburg-Gladstone 230 kV Line	Las Animas County, Colorado	NRIS	40 MW Solar	12/31/2023	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

Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

- https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/Active_Interconnection_Request_Queue.pdf

Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacitiy	Projected COD	Status / Comments	Available Studies	Explanation why IR not completed
DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2021)											
GI-DISIS-2021-01	DISIS-2021	4/15/2021	Gladstone-Bravo Dome West 115kV Line	Harding County, New Mexico	ERIS	Solar	120	12/31/2024	DISIS Phase 4	Phase 2	
GI-DISIS-2021-02	DISIS-2021	5/21/2021	Story 345kV Substation	Morgan County, Colorado	NRIS	Solar + Storage	400	12/1/2023	DISIS Phase 4	Phase 2	
GI-DISIS-2021-03	DISIS-2021	5/25/2021	Keota 345 kV Substation	Weld County, Colorado	NRIS	Solar + Storage	170	12/1/2023	DISIS Phase 4	Phase 2	
GI-DISIS-2021-04	DISIS-2021	5/26/2021	Alamogordo-Dona Ana 115kV Line	Otero County, New Mexico	NRIS	Solar + Storage	100	6/28/2024	DISIS Phase 4	Phase 2	
GI-DISIS-2021-05	DISIS-2021	5/27/2021	Liberty 115kV Substation	Yuma County, Colorado	NRIS/ERIS	Solar + Storage	100	1/12/2023	Withdrawn		Withdrawn
GI-DISIS-2021-06	DISIS-2021	5/27/2021	Main Switch 115kV Substation	Montezuma County, Colorado	NRIS	Solar	140	12/31/2023	DISIS Phase 4	Phase 2	
GI-DISIS-2021-07	DISIS-2021	5/28/2021	Lamar 230kV Substation	Prowers County, Colorado	NRIS	Wind	199	6/1/2025	DISIS Phase 4	Phase 2	
GI-DISIS-2021-08	DISIS-2021	5/28/2021	Bravo Dome 115kV Substation	Union County, New Mexico	NRIS	Solar + Storage	100	6/28/2024	Withdrawn		Withdrawn
GI-DISIS-2021-09	DISIS-2021	5/28/2021	El Paso 115kV Tap	La Plata County, Colorado	ERIS	Gas	50	1/1/2024	DISIS Phase 4	Phase 2	
GI-DISIS-2021-10	DISIS-2021	5/28/2021	DJ-LRS 230kV Line	Converse County, Wyoming	NRIS	Solar + Storage	199	6/1/2023	DISIS Phase 4	Phase 2	
GI-DISIS-2021-11	DISIS-2021	5/28/2021	Walsenburg-Gladstone 230kV Line	Las Animas County, Colorado	NRIS	Solar + Storage	200	6/15/2024	DISIS Phase 4	Phase 2	
GI-DISIS-2021-12	DISIS-2021	6/1/2021	Peach Valley 115kV Switching Station	Montrose County, Colorado	ERIS	Solar + Storage	140	12/1/2025	DISIS Phase 4	Phase 2	

Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

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Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacitiy	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	NRIS/ERIS	Solar + Storage	90	6/1/2025	DISIS Phase 1		
GI-DISIS-2022-02	DISIS-2022	5/5/2022	Keota 345kV Substation	Weld County, CO	NRIS/ERIS	Solar + Storage	199	6/1/2026	DISIS Phase 1		
GI-DISIS-2022-03	DISIS-2022	5/9/2022	Wauneta 115kV Substation	Yuma County, CO	NRIS/ERIS	Solar + Storage	122	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-04	DISIS-2022	5/9/2022	South Fork 115kV Substation	Kit Carson County, CO	NRIS/ERIS	Solar + Storage	158	12/31/2025	DISIS Phase 1		
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/ERIS	Solar + Storage	199	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-08	DISIS-2022	5/26/2022	Boone - La Junta 115kV Line	Otero County, CO	NRIS/ERIS	Solar + Storage	80	6/1/2025	DISIS Phase 1		
GI-DISIS-2022-09	DISIS-2022	5/26/2022	La Junta - Willow Creek 115kV Line	Otero County, CO	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	NRIS/ERIS	Solar + Storage	100	6/1/2025	DISIS Phase 1		
GI-DISIS-2022-11	DISIS-2022	5/27/2022	Torrance - Willard Switch 115kV Line	Torrance County, NM	NRIS/ERIS	Solar	75	9/30/2025	DISIS Phase 1		
GI-DISIS-2022-12	DISIS-2022	5/27/2022	Ludlow - Walsenburg 115kV Line	Huerfano County, CO	NRIS/ERIS	Solar + Storage	100	12/1/2025	DISIS Phase 1		
GI-DISIS-2022-13	DISIS-2022	5/27/2022	Lamar 230kV Substation	Prowers County, CO	NRIS/ERIS	Solar + Storage	199	7/15/2025	DISIS Phase 1		
GI-DISIS-2022-14	DISIS-2022	5/27/2022	Walsenburg - Gladstone 230kV Line	Colfax County, NM	NRIS/ERIS	Wind	400	6/30/2026	DISIS Phase 1		
GI-DISIS-2022-15	DISIS-2022	5/27/2022	Poncha - San Luis Valley 230kV Line	Alamosa County, CO	NRIS/ERIS	Solar	115	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-16	DISIS-2022	5/27/2022	Meeker - Rifle 345kV Line	Garfield County, CO	NRIS/ERIS	Solar	145	6/1/2025	DISIS Phase 1		
GI-DISIS-2022-17	DISIS-2022	5/27/2022	Lamar-Burlington 230kV Line	Kiowa County/Prowers	NRIS/ERIS	Wind	199	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-18	DISIS-2022	5/27/2022	Axial Basin - Hayden 138kV Line	Routt County, CO	NRIS/ERIS	Solar	125	11/1/2025	DISIS Phase 1		
GI-DISIS-2022-19	DISIS-2022	5/27/2022	Comanche-Walsenburg 230kV Line	Pueblo/Huerfano County, CO	NRIS/ERIS	wind	290	12/31/2024	DISIS Phase 1		
GI-DISIS-2022-20	DISIS-2022	5/27/2022	Lincoln 230kv Substation	Lincoln County, CO	NRIS/ERIS	Wind	100	12/31/2025	DISIS Phase 1		

Interconnection & Transmission Service Queues

Active Generator Interconnection Requests:

- https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/Active_Interconnection_Request_Queue.pdf

Generation Interconnection Number	Current Cluster	Date of Interconnection Request	Point of Interconnection	LOCATION	Service Type Requested	Generating Facility	MW Capacitiy	Projected COD	Status / Comments	Available Studies	Explanation why IR not completed
DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2022)											
GI-DISIS-2022-21	DISIS-2022	5/27/2022	Yellow Jacket 115kV Substation	Montezuma County, CO	NRIS/ERIS	Solar	127	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-22	DISIS-2022	5/27/2022	Hell Creek Substation	Kit Carson County, CO	NRIS/ERIS	Wind + Solar + Storage	90	6/1/2025	DISIS Phase 1		
GI-DISIS-2022-23	DISIS-2022	5/27/2022	Lamar 230kV Substation	Prowers County, CO	NRIS/ERIS	Solar + Storage	350	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-24	DISIS-2022	5/27/2022	Boone 230kV Substation	Pueblo County, CO	NRIS/ERIS	Solar + Storage	199	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-25	DISIS-2022	5/27/2022	Laramie River Station-Stegall Line	Goshen County, WY	NRIS/ERIS	Solar	163	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-26	DISIS-2022	5/30/2022	Craig - Meeker 345kV Line	Moffat County, CO	NRIS/ERIS	Wind + Storage	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	DISIS Phase 1		
GI-DISIS-2022-28	DISIS-2022	5/31/2022	Burlington - Lamar 230kV Line	Kit Carson County, CO	NRIS/ERIS	Solar + Storage	199	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-29	DISIS-2022	5/31/2022	Big Sand - Windtalker 230kV Line	Lincoln County, CO	NRIS/ERIS	Wind	200	12/31/2023	DISIS Phase 1		
GI-DISIS-2022-30	DISIS-2022	5/31/2022	Big Sandy 115kV Substation	Lincoln County, CO	NRIS	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	DISIS Phase 1		
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	DISIS Phase 1		
GI-DISIS-2022-36	DISIS-2022	5/31/2022	Laramie River - Stegall 230kV Line	Goshen County, WY	NRIS/ERIS	Storage	50	12/15/2025	DISIS Phase 1		
GI-DISIS-2022-37	DISIS-2022	5/31/2022	Cahone - Maverick 115kV Line	San Miguel County, CO	NRIS/ERIS	Storage	25	12/15/2025	DISIS Phase 1		
GI-DISIS-2022-38	DISIS-2022	5/31/2022	Cahone - Maverick 115kV Line	San Miguel County, CO	NRIS/ERIS	Solar	100	12/15/2025	DISIS Phase 1		
GI-DISIS-2022-39	DISIS-2022	5/31/2022	Norwood - Wilson Mesa 115kV Line	San Miguel County, CO	NRIS/ERIS	Solar + Storage	100	12/23/2025	DISIS Phase 1		
GI-DISIS-2022-40	DISIS-2022	5/31/2022	Sand Hills - Wray 115kV Line	Yuma County, CO	ERIS	Solar	199	9/30/2024	DISIS Phase 1		

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DEFINITIVE INTERCONNECTION SYSTEM IMPACT STUDY CLUSTER (DISIS-2022)											
GI-DISIS-2022-41	DISIS-2022	5/31/2022	Bonny Creek 115kV Substation	Kit Carson County, CO	NRIS/ERIS	Wind	50	5/31/2025	DISIS Phase 1		
GI-DISIS-2022-42	DISIS-2022	5/31/2022	Keota 345kV Substation	Weld County, CO	NRIS/ERIS	solar	200	12/15/2025	DISIS Phase 1		
GI-DISIS-2022-43	DISIS-2022	5/31/2022	Keota 345kV Substation	Weld County, CO	NRIS/ERIS	Storage	100	12/15/2025	DISIS Phase 1		
GI-DISIS-2022-44	DISIS-2022	5/31/2022	Craig 345kV Substation	Moffat County, CO	NRIS/ERIS	Solar + Storage	199	12/1/2026	DISIS Phase 1		
GI-DISIS-2022-45	DISIS-2022	5/31/2022	Huckleberry 230kV Substation	Pueblo County, CO	NRIS/ERIS	Solar + Storage	199	12/1/2026	DISIS Phase 1		
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	Platte County, WY	NRIS/ERIS	Solar + Storage	250	12/1/2026	DISIS Phase 1		
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	NRIS/ERIS	Solar + Storage	150	12/1/2026	DISIS Phase 1		
GI-DISIS-2022-50	DISIS-2022	5/31/2022	Boone 230kV Substation	Pueblo County, CO	NRIS/ERIS	Solar + Storage	240	12/1/2026	DISIS Phase 1		
GI-DISIS-2022-51	DISIS-2022	5/31/2022	Boone-Huckleberry 230kV line	Pueblo County, CO	NRIS/ERIS	Solar + Storage	400	12/31/2025	DISIS Phase 1		
GI-DISIS-2022-52	DISIS-2022	5/31/2022	LRS-Wayne Child 345kV	Platte/Goshen Counties, Wyoming	NRIS/ERIS	Wind	252	1/1/2026	DISIS Phase 1		

Interconnection & Transmission Service Queues

Transmission Service Request Queue

- https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/Transmission_Service_Request_Queue_6-23-2022_-_Format_Cleanup.pdf

Network Service Transmission Requests

Request Number	Application/Submission Completion Date	Oasis Reservation or Status Change	Location or POR / POD	Service Type	MW Capacity Requested (Granted)	In-service Date	Status / Comments	Study	Agreement Executed	Study Completed	Network Service Granted
TSR-15-0319	3/19/2015	TSR # 81269893	Lamar 230 kV to Midway 230 kV	Network Service	75 (75)	12/1/2017	Evaluation Complete	N/A			Declared acceptable for Network Resource Designation
	12/19/2018	TSR# TSWALTCOMA	Walsenburg 230kV to Gladstone 230kV	Network Service	100	12/31/2024	Evaluation Complete	N/A			Declared acceptable for Network Resource Designation
	2/15/2019	TSR # TSBURLBSAN	Landsman Creek to Big Sandy 230kV	Network Service	104	12/18/2020	Evaluation Complete	N/A			Declared acceptable for Network Resource Designation
TSOA-19-0025	10/18/2019	NITS Application	Southeastern Colorado	Network Service	63	1/1/2020	Network Integration Transmission Service Agreement Executed	N/A		N/A	
TSOA-19-0063	12/10/2019	TSR # TSAXBASINSOLAR	Moffat County, Colorado	Network Service	145	12/31/2024	Evaluation Complete	SIS		3/18/2020	Declared acceptable for Network Resource Designation
TSOA-19-0064	12/10/2019	TSR # TSDOLOCANSOLAR	Cahone 115kV	Network Service	110	12/31/2024	Evaluation Complete	SIS		3/18/2020	Declared acceptable for Network Resource Designation
TSOA-19-0065	12/10/2019	TSR # TSESCALANTESOLAR	PEGS TO AMBROSIA 230kV	Network Service	200	10/1/2023	Evaluation Complete	SIS		3/12/2020	Declared acceptable for Network Resource Designation
TSOA-19-0066	12/10/2019	TSR # TSSPANPEAKSII	Las Animas County, Colorado	Network Service	40	12/31/2024	Evaluation Complete	SIS		3/23/2020	Declared acceptable for Network Resource Designation
TSOA-19-0067	12/18/2019	TSR # TSNIYOLWIND	Logan and Washington Counties, Colorado	Network Service	201 (201)	8/18/2021	Evaluation Complete	SIS		3/13/2020	Declared acceptable for Network Resource Designation
TSOA-20-0007	1/7/2020	NITS Application TSOA-20-0007	Montrose, Colorado	Network Service	99	5/1/2020	Evaluation Complete	SIS		3/13/2020	Declared acceptable for Network Integration Transmission Service
TSOA-20-0004	1/13/2020	TSR # TSCGULSOLAR	Southwestern Colorado	Network Service	120	1/1/2023	Evaluation Complete	SIS		3/24/2020	Withdrawn
TSR-20-1203	12/17/2020	TSR# TSCGULSOLAR	Southwestern Colorado	Network Service	140 (140)	12/1/2024	Network Upgrades Required	SIS/FACS		7/6/2021	Declared acceptable for Network Resource Designation dependent on Network Upgrades
TSR-21-0719	7/19/2021		Redtail to Story, Lamar230kV to Midway	Network Service	52	6/1/2022	Application Incomplete-Evaluation Phase to Determine Completeness				Withdrawn-Start Date changed
TSR-21-0729	7/29/2021		Redtail to Story, Lamar230kV to Midway	Network Service	27	6/1/2022	Application Incomplete-Deficiencies not corrected				Withdrawn
TSR-21-0920A	9/20/2021		Redtail to Story, Lamar230kV to Midway, Ojo345 to Taos	Network Service	27	6/1/2022	Facilities Study	FAC		6/3/2022	Withdrawn
TSR-21-0920B	9/20/2021		Redtail to Ault, Craig to Montrose 115kV, Ojo345 to Taos	Network Service	27	6/1/2022	Facilities Study	FAC		6/3/2022	Withdrawn
TSR-21-1020A	10/20/2021		Redtail to Ault, Craig to Montrose 115kV	Network Service	118	6/1/2022	Facilities Study	FAC		6/3/2022	Withdrawn
TSR-21-1020B	10/20/2021		Redtail to Story, Lamar230kV to Midway, Craig to Montrose 115kV.	Network Service	52	10/1/2022	Facilities Study	FAC		6/3/2022	Withdrawn

Interconnection & Transmission Service Queues

Transmission Service Request Queue

- https://www.oasis.oati.com/woa/docs/TSGT/TSGTdocs/Transmission_Service_Request_Queue_6-23-2022_-_Format_Cleanup.pdf

Point-to-Point Transmission Service Requests

Request Number	Application Submission/Submission Completion Date	Oasis Reservation or Status Change	Location or POR / POD	Service Type	MW Capacity Requested (Granted)	In-service Date	Status / Comments	Study	Agreement Executed	Study Completed	Transmission Service Agreement Executed
TSR-22-0411	4/11/2022	TSR# 96694725	Las Cruces 115kV to Alamogordo 115kV	Pt. to Pt. long term firm transmission service	3 (3)	5/1/2022	Transmission Service Agreement Draft Phase	N/A	4/26/2022		Agreement Executed
TSR-21-1105	11/5/2021	TSR# 95365811	Pyramid to Hidalgo 115	Pt. to Pt. long term firm transmission service	40 (40)	1/1/2023	Transmission Service Agreement Executed	N/A	12/28/2021		Agreement Executed
TSR-21-0908	9/8/2021	TSR# 94936658	Gladstone 230kV to Ojo 345kV	Pt. to Pt. long term firm transmission service	104 (104)	1/1/2022	Transmission Service Agreement Executed	N/A	10/25/2021		Agreement Executed
TSR-21-0707B	7/7/2021	TSR# 94428573	San Juan345kV to Four Corners 345kV Path 2	Pt. to Pt. long term firm transmission service	25 (25)	1/1/2022	Transmission Service Agreement Executed	N/A	8/13/2021		Agreement Executed
TSR-21-0707	7/7/2021	TSR# 94428494	San Juan345kV to Four Corners 345kV	Pt. to Pt. long term firm transmission service	50 (50)	1/1/2022	Transmission Service Agreement Executed	N/A	8/13/2021		Agreement Executed
TSR-21-0624	6/24/2021	TSR #94318063	Montrose 115kV to San Juan 345kV	Pt. to Pt. long term firm transmission service	27 (27)	6/1/2022	Transmission Service Agreement Executed	N/A	9/2/2021		Agreement Executed
TSR-21-0524	6/3/2021	TSR #94182966	Ault to Calamity Ridge 138kV	Pt. to Pt. long term firm transmission service	120 (0)	10/1/2024	System Impact Study Completed. Facilities Study Agreement currently in draft phase.	FAC		SIS-10/7/2021	Withdrawn
TSR-21-0402	4/2/2021	TSR #93529784	Laramie River Station 345kV to Ault	Pt. to Pt. long term firm transmission service	150 (129)	6/1/2022	System Impact Study Completed	SIS	5/3/2021	7/29/2021	Agreement Executed
TSR-20-1216	12/16/2020	TSR# 92823403	Laramie River Station 345kV to Ault	Pt. to Pt. long term firm transmission service	120 (0)	6/1/2021	System Impact Study Complete (SISA TSOA-20-0062) Request has been REFUSED due to SIS findings	SIS		4/2/2021	Withdrawn
TSOA-19-0057		TSR# 90541456	Ambrosia to Fort Wingate/Mendoza	Pt. to Pt. long term firm transmission service	8 (8)	1/1/2020	Transmission Service Agreement Executed	N/A			12/18/2019
TSOA-19-0057		TSR# 90541456	Ambrosia to Fort Wingate/Mendoza	Pt. to Pt. long term firm transmission service	8 (8)	1/1/2020	Transmission Service Agreement Executed	N/A			12/18/2019
TSR-17-1018	10/18/2017	TSR #85694125	Story 345 kV to Dave Johnston	Pt. to Pt. long term firm transmission service	214	10/31/2020	Evaluation Phase to Determine Need for System Impact Study				
TI-04-1208	5/1/2005	Met Network Resource Qualification	Willow Creek	Upgraded Network Resource for Existing Network Customer	14 (14)	4/1/2008	Plant testing and Emissions qualification	SIS FAC	4/19/2007	6/20/2005 6/15/2007	Pending Commercial Operation of Plant
TSR-08-0229	2/29/2008	TSR Application Letter	Playas to Hidalgo 115 kV	Pt. to Pt. long term firm transmission service	11 (11)	11/1/2012	Transmission Service Agreement Executed	SIS N/A		6/20/2008	12/19/2008 (11 MW)
TSR-09-0708	7/8/2009	TSR# 73220095	Burlington to Big Sandy 230kV	Network Service	51 (51)	1/1/2011	Evaluation Completed: No System Impact Study(SIS) required.				Declared acceptable for Network Resource Designation
TSR-14-0102	1/2/2014	Met Network Resource Qualification	Burlington 230KV	Network Service	150 (150)	21/1/2015	Evaluation Phase complete				Declared acceptable for Network Resource Designation
TSR-14-0623	6/23/2014	TSR # 79820792	Ambrosia to Fort Wingate/Mendoza	Pt. to Pt. long term firm transmission service	10 (10)	1/1/2015	Transmission Service Agreement Executed	N/A			1/1/2015 (10 MW)
TSR-08-0623B (Tri-State)	6/23/2008	TSR# 72284716	Burlington to Big Sandy 230kV	Pt. to Pt. long term firm transmission service	75	12/1/2010	Evaluation completed; No System Impact Study(SIS) required.		Use results of TI-06-0929A		N/A
TSR-08-0623C (Tri-State)	6/23/2008	TSR# 72284717	Burlington to Big Sandy 230kV	Pt. to Pt. long term firm transmission service	100	12/1/2010	Evaluation completed; No System Impact Study(SIS) required.		Use results of TI-06-0929A		N/A
TSR-08-0606	6/6/2008	TSR Application Letter	Springer to OJO345	Pt. to Pt. long term firm transmission service	179	1/1/2010	System Impact Study Phase	SIS	8/11/2008	10/21/2008 Countered 153	11/14/2008 Withdrawn

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

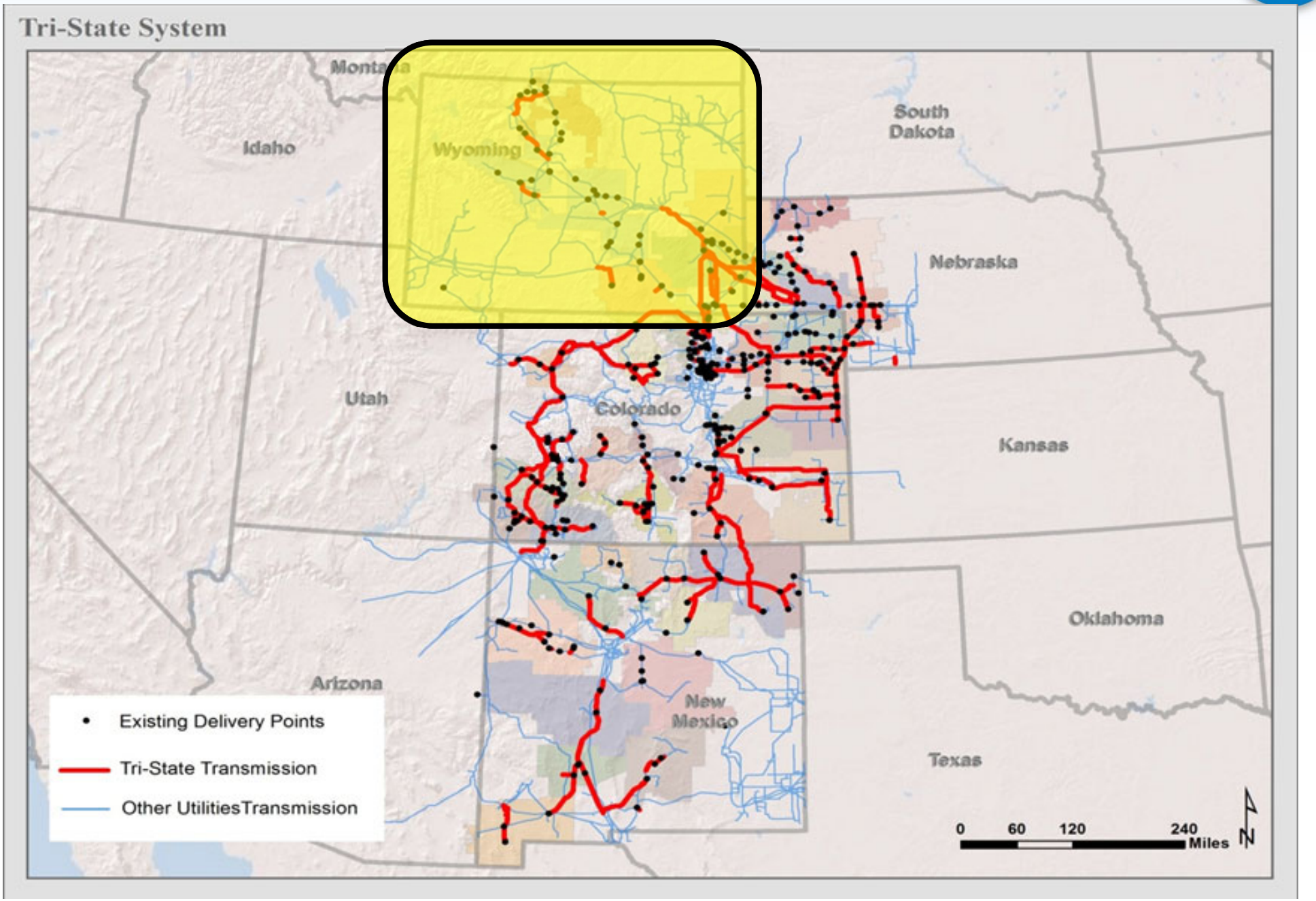
- Information Requests
  - Load and Resource information requests have been sent to Network Customers
    - Tri-State requests Network Customers continue to provide updates to Load and Resource information, as well as other modeling information, to assist in preparation of our ten-year transmission plan

Projects

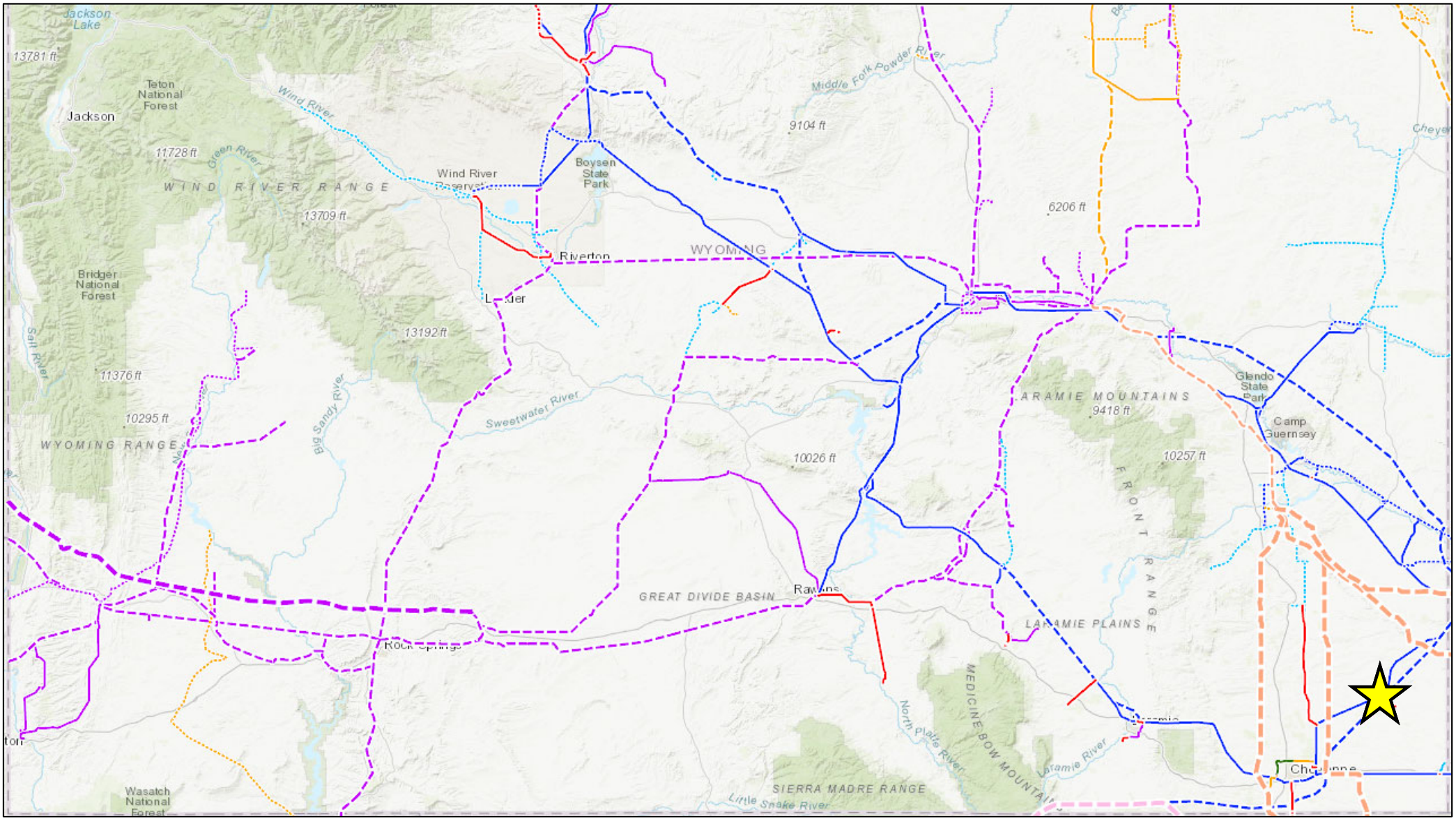
Project Status Categories

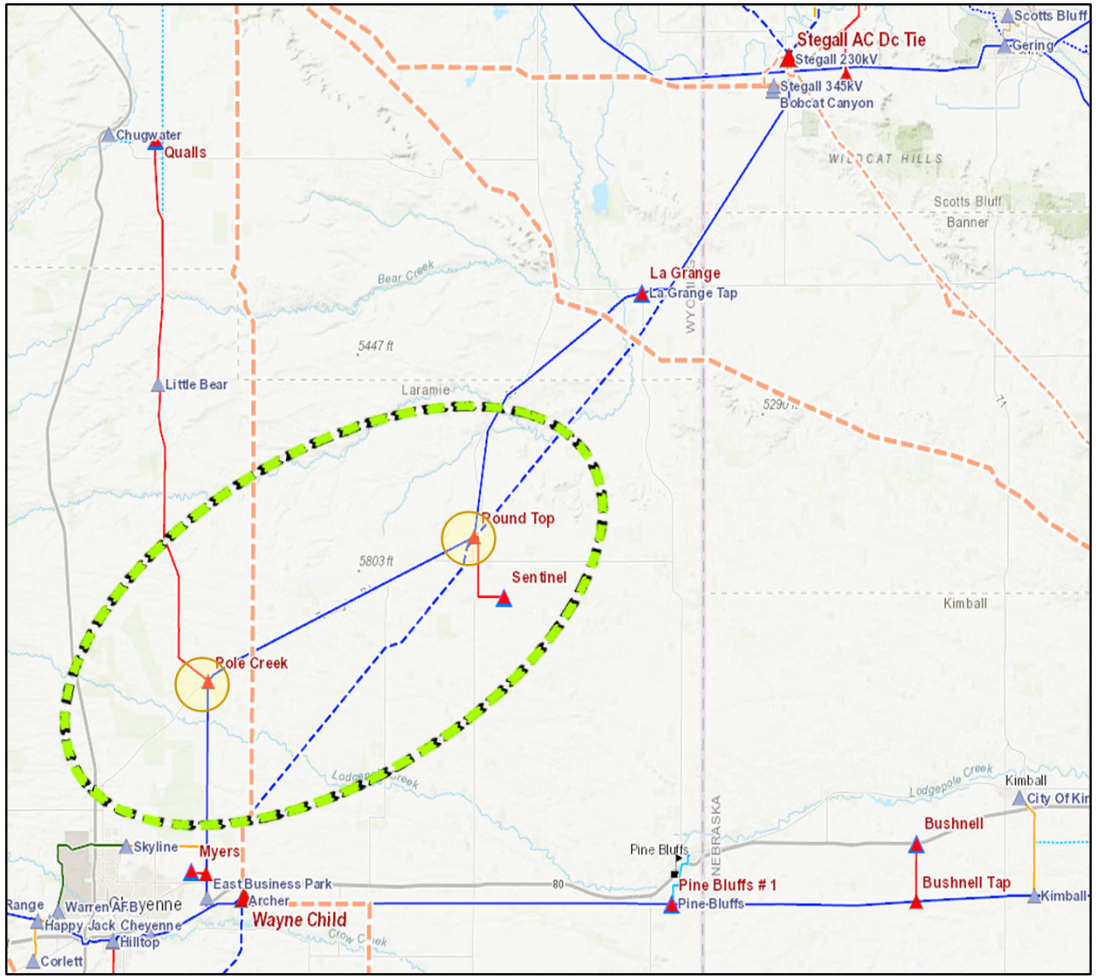
- Developing
  - Some objectives and needs have been identified. Some alternatives have or are being considered, but stakeholder proposed alternatives are also requested.
- Conceptual
  - Conceptual/hypothetical objectives and needs. Alternative(s) has been decided. Project drivers are uncertain.
- Planned
  - 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 (3)



Archer - Stegall Sectionalizing Project

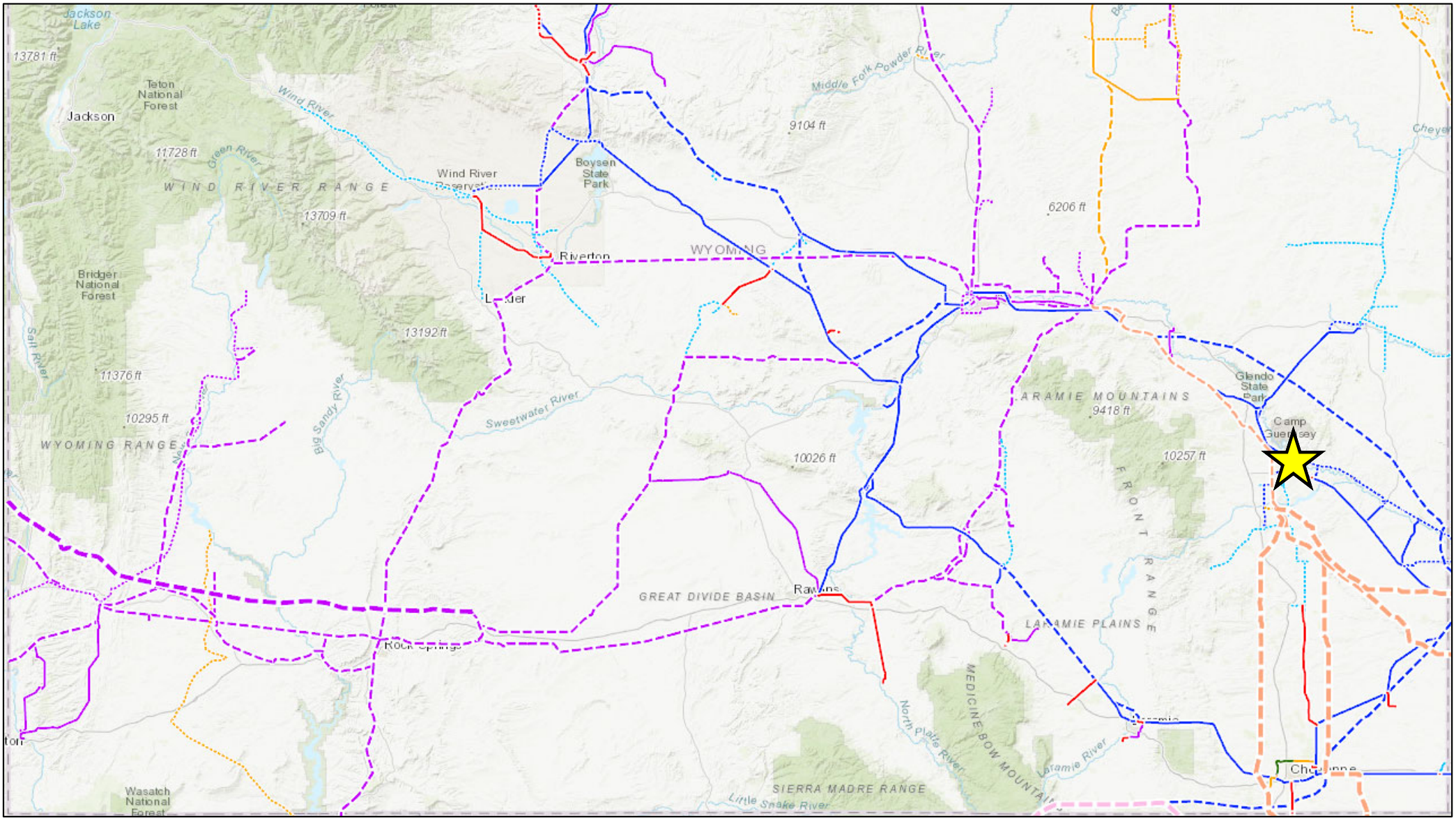


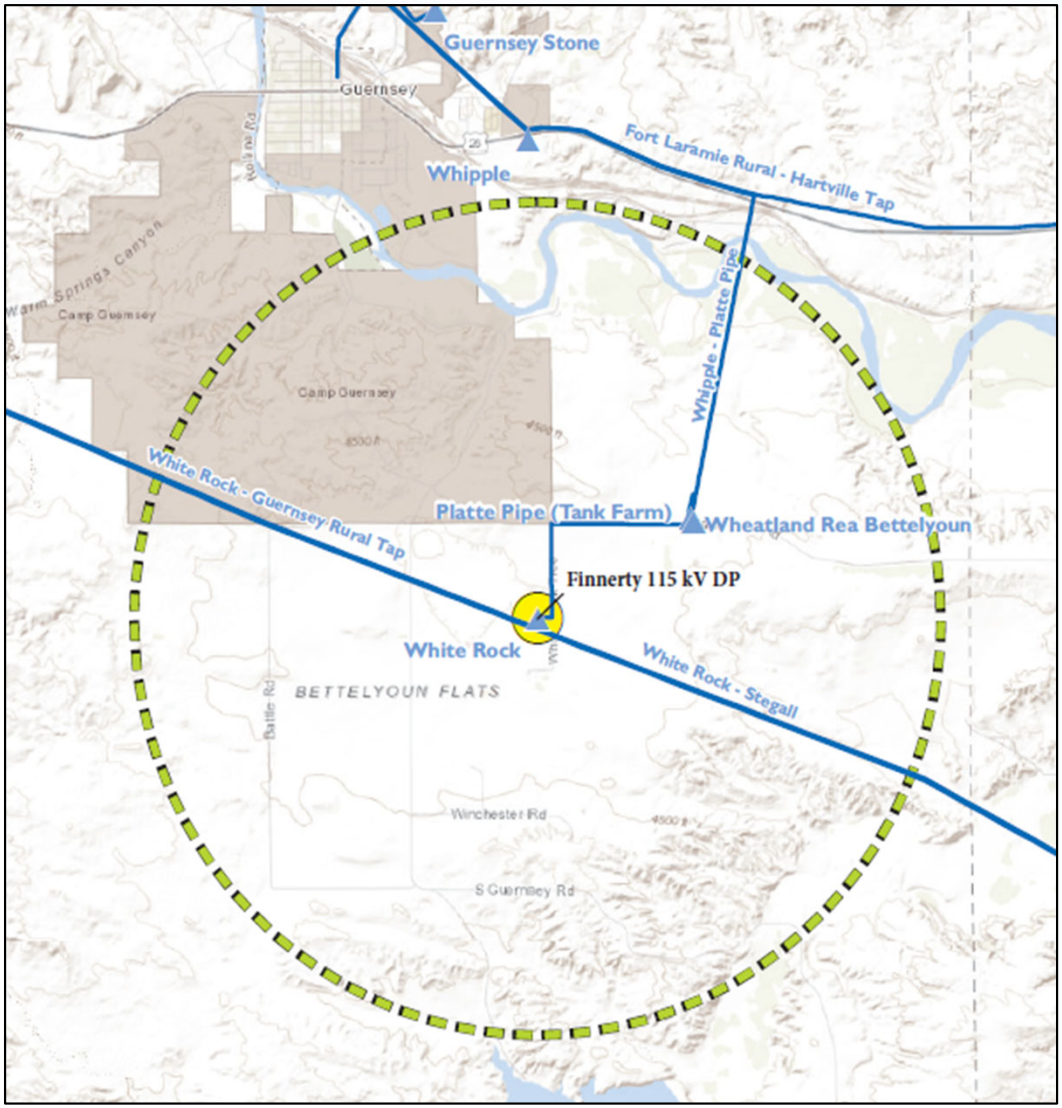


Archer - Stegall Sectionalizing Project

Description:	Sectionalize Archer – Stegall 115 kV line with a new 115 kV three breaker ring bus (expandable to four) at Pole Creek and three 115 kV breakers in a star bus configuration at Round Top
Voltage:	115 kV
Length:	0 miles
Type:	Substation
Status:	Planned
Planned ISD:	2024
Purpose:	Reliability

Finnerty 115 kV DP

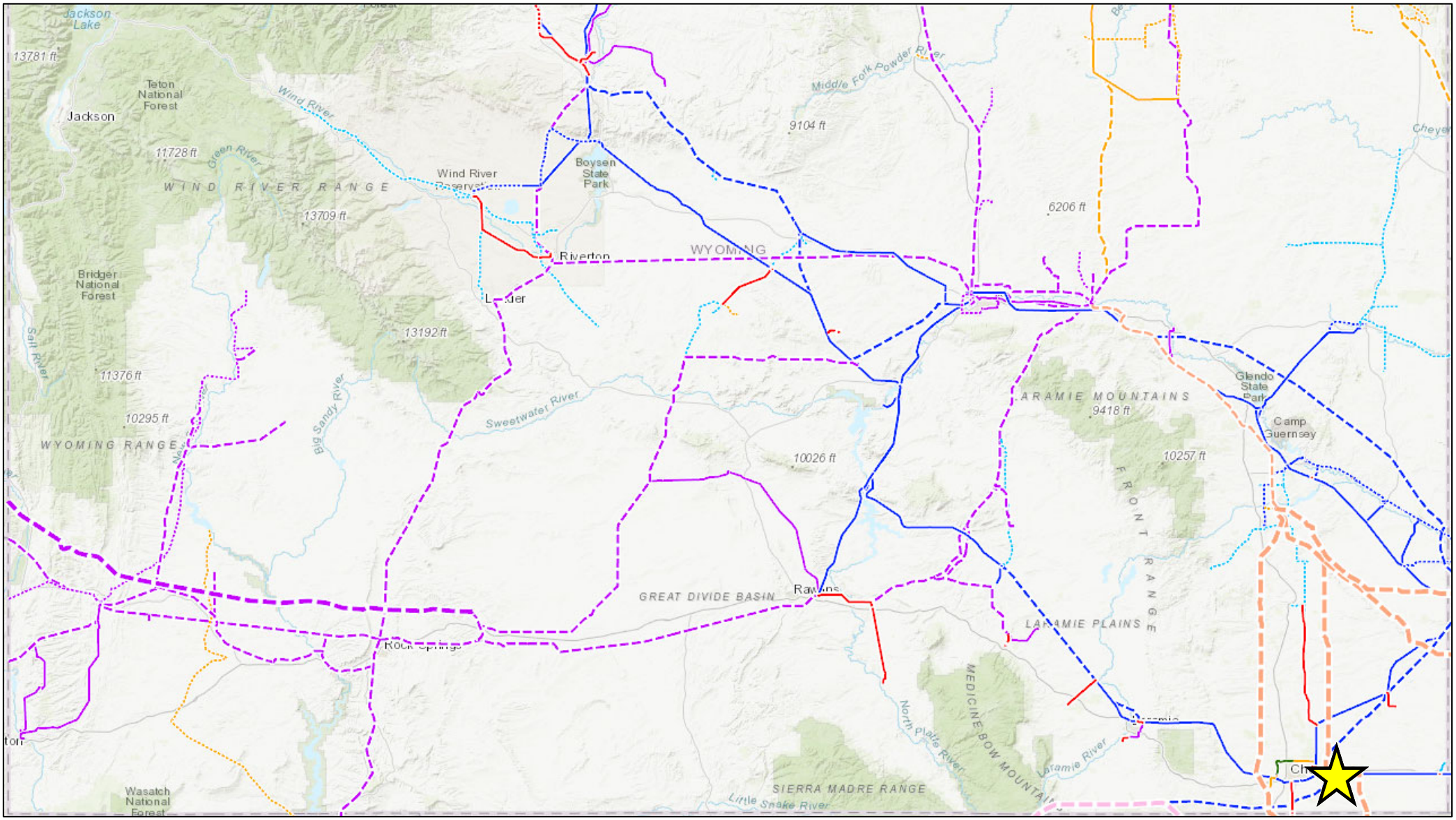


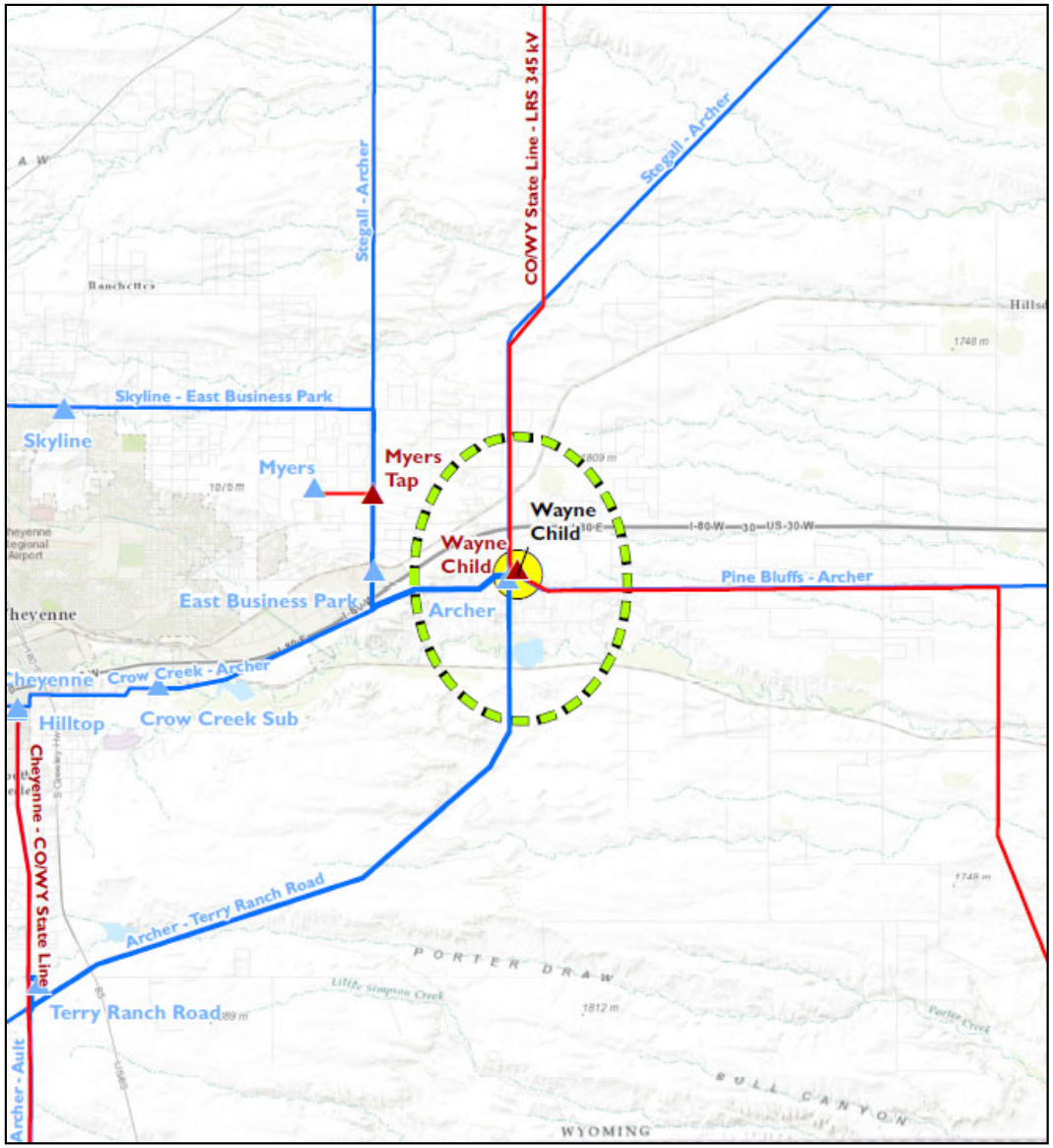


Finnerty 115 kV DP

Description:	Establish a new 115 kV DP for WLREA. Scope of project includes a 115 kV breaker addition to adjacent WAPA Whiterock Substation, 115 kV transmission line from Whiterock to Finnerty. Finnerty Substation will consist of a single 115 kV breaker, 115/34.5 kV 50 MVA transformer, low side 34.5 kV equipment and metering equipment.
Voltage:	115 kV
Length:	>.5 miles
Type:	Substation
Status:	Energized
ISD:	2022
Purpose:	Load Serving

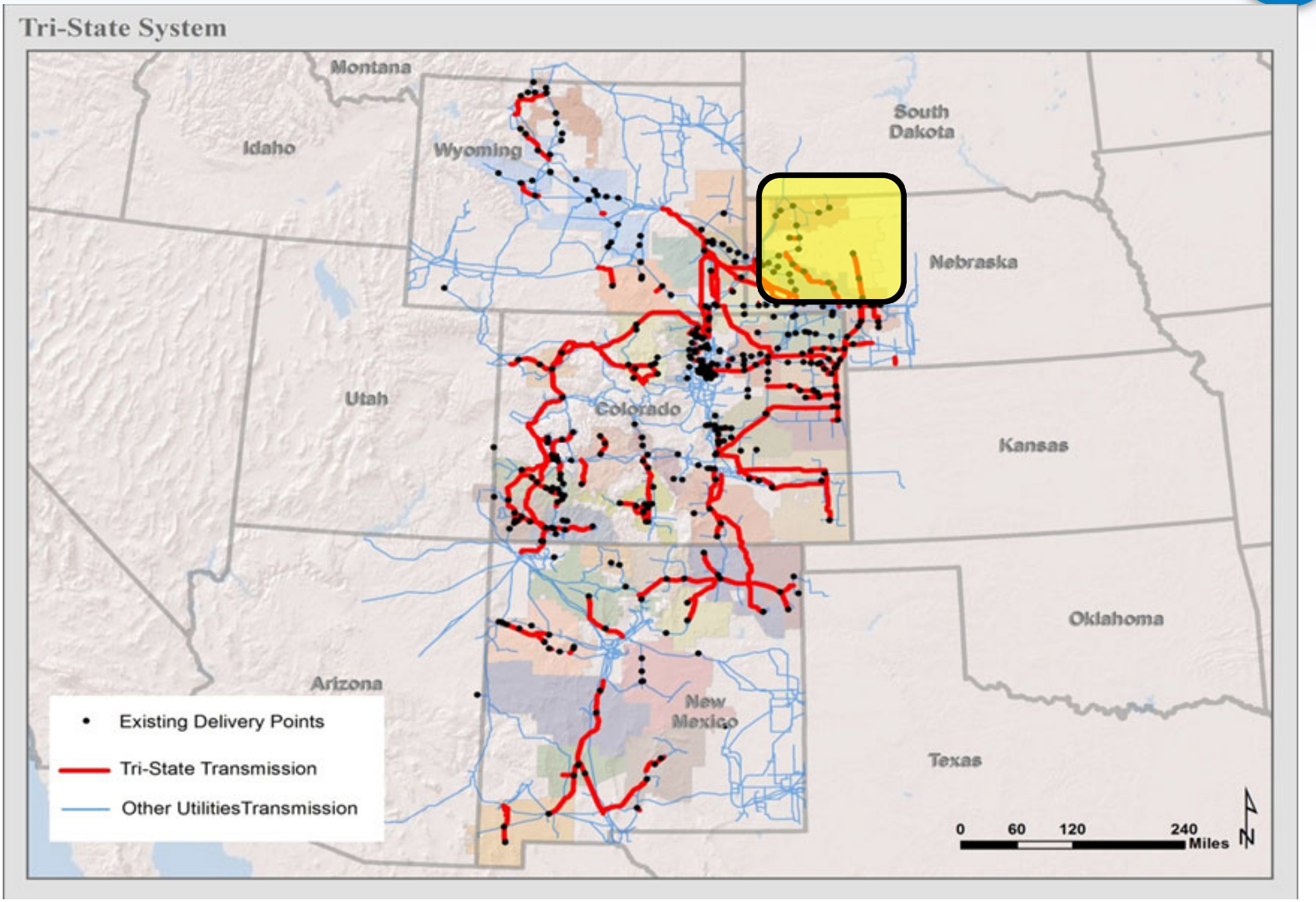
Wayne Child Phase II



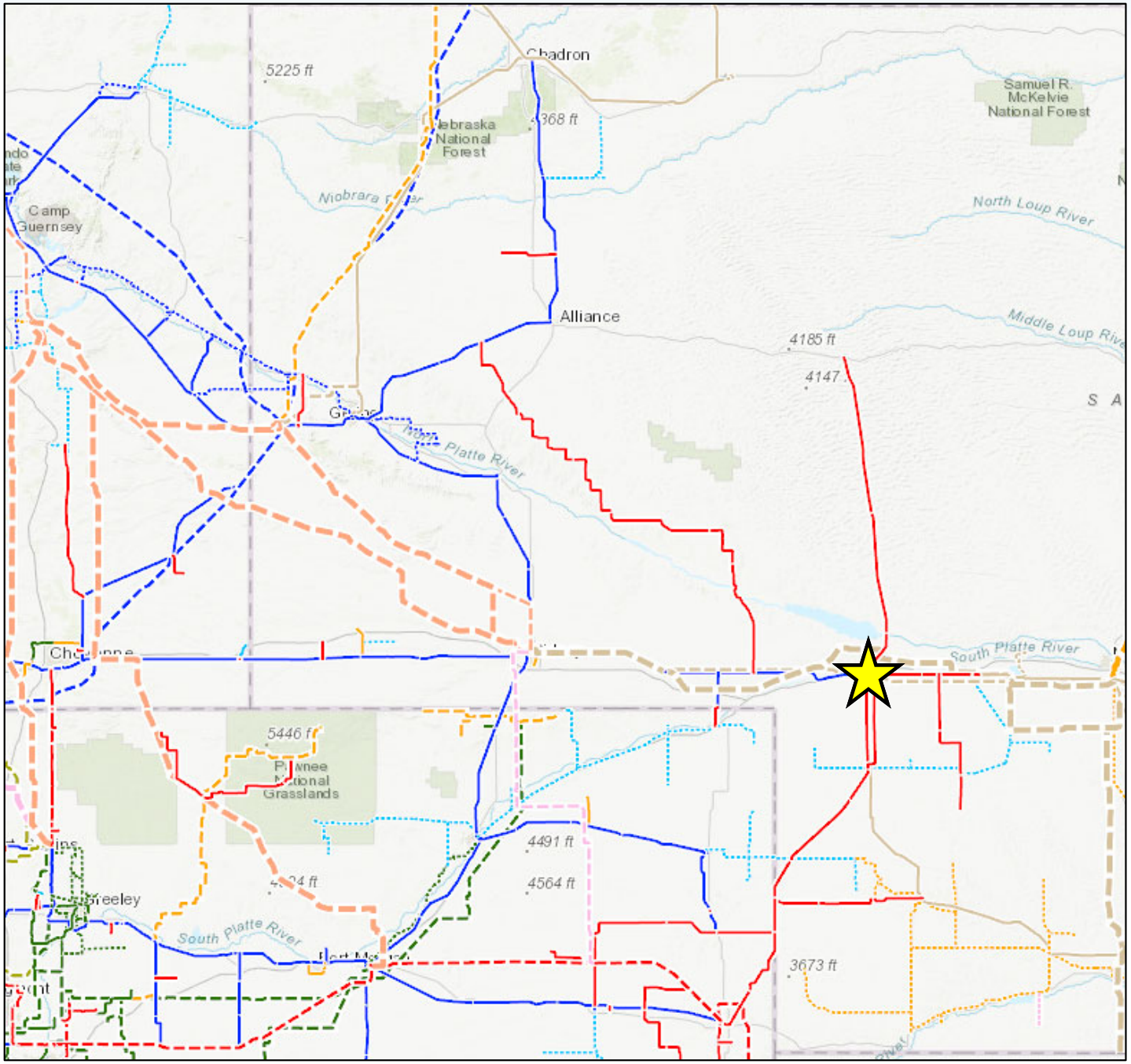


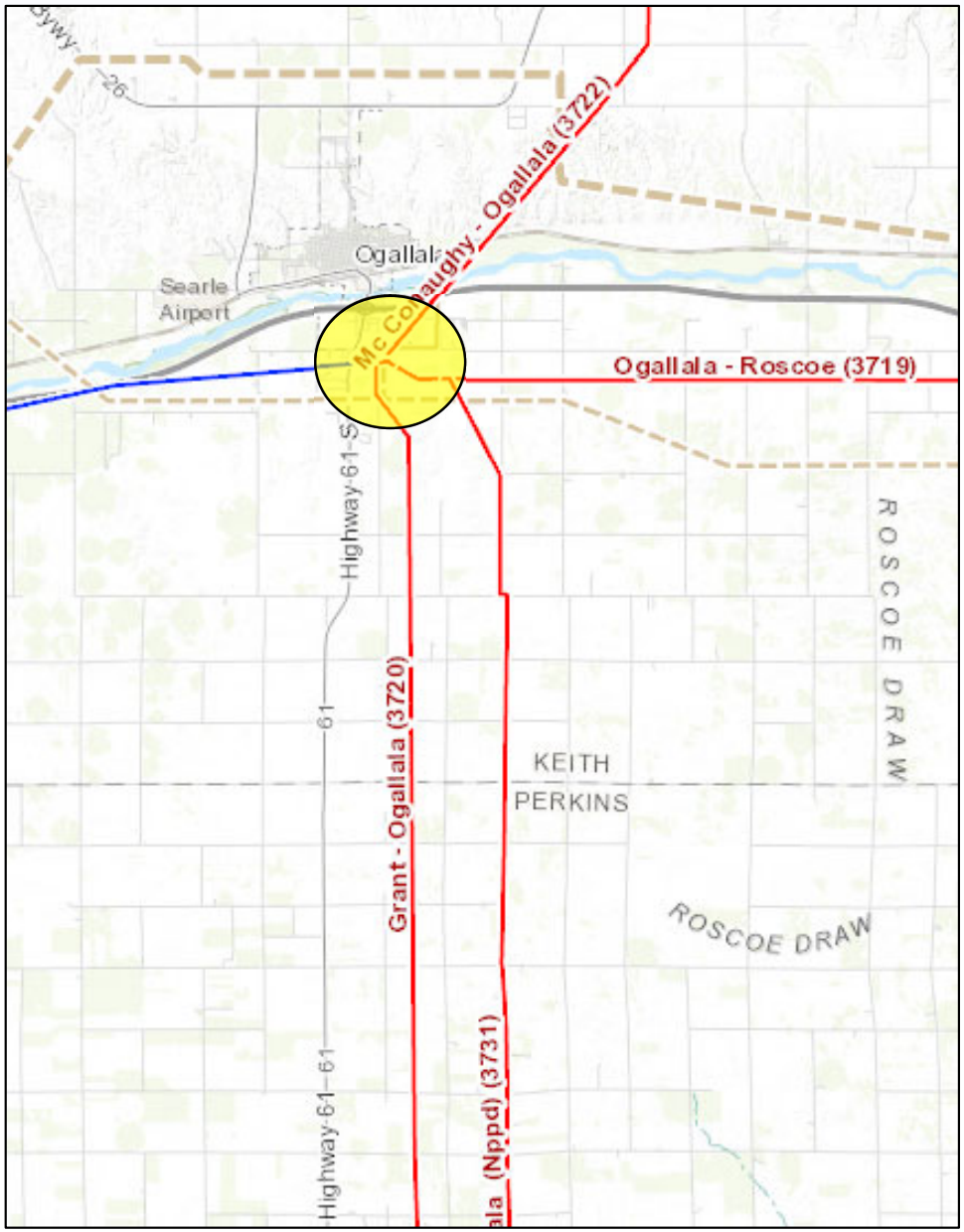
Wayne Child Phase II	
Description:	Sectionalize Laramie River Station (LRS) – Story 345 kV line at the existing Wayne Child substation.
Voltage:	345 kV
Length:	0 miles
Type:	Substation.
Status:	Energized
ISD:	2022
Purpose:	Load Serving, increased transfer capabilities.

Projects: Nebraska (1)



Ogallala 115/34.5kV Delivery Point

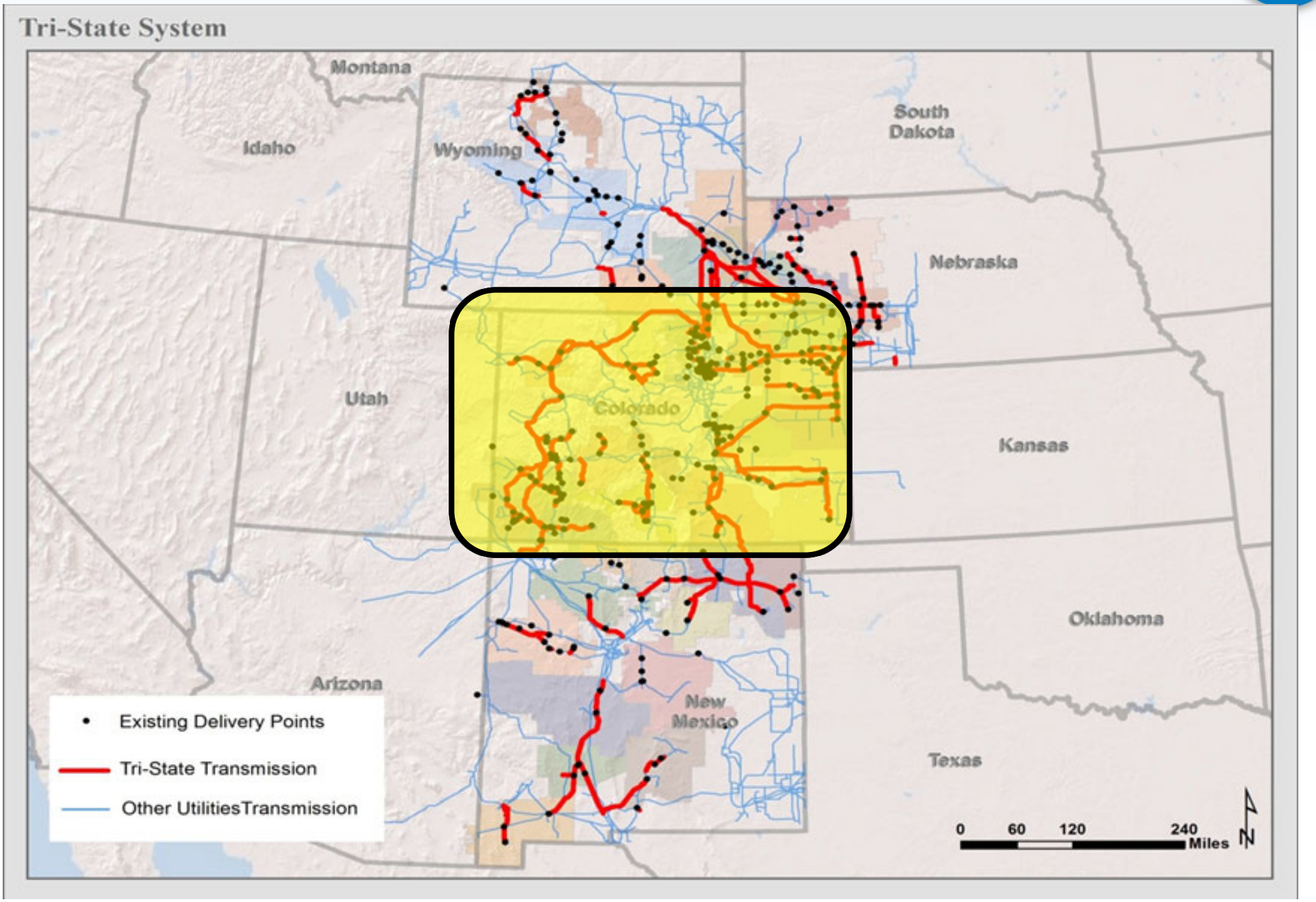




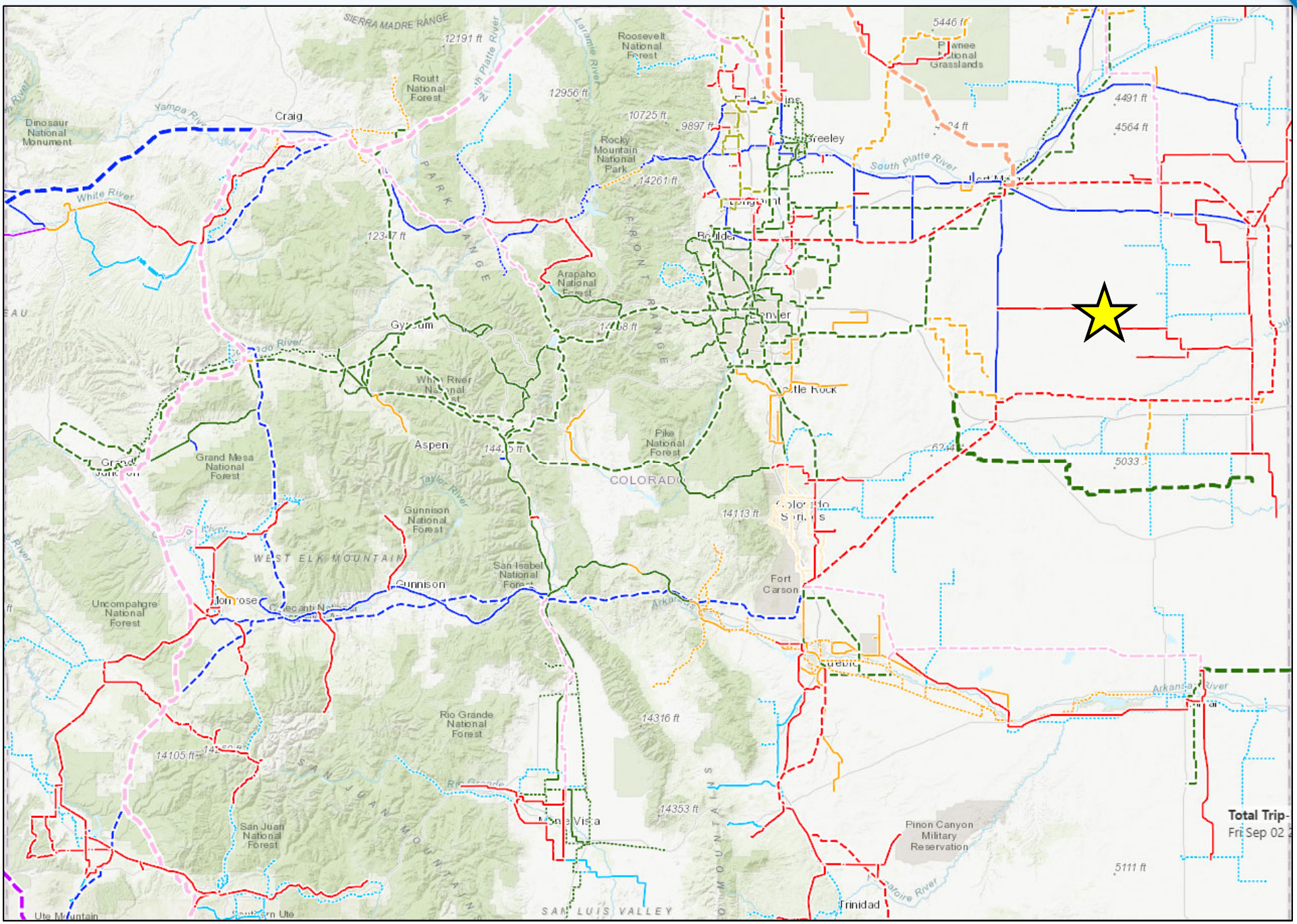
Ogallala 115/34.5kV Delivery Point

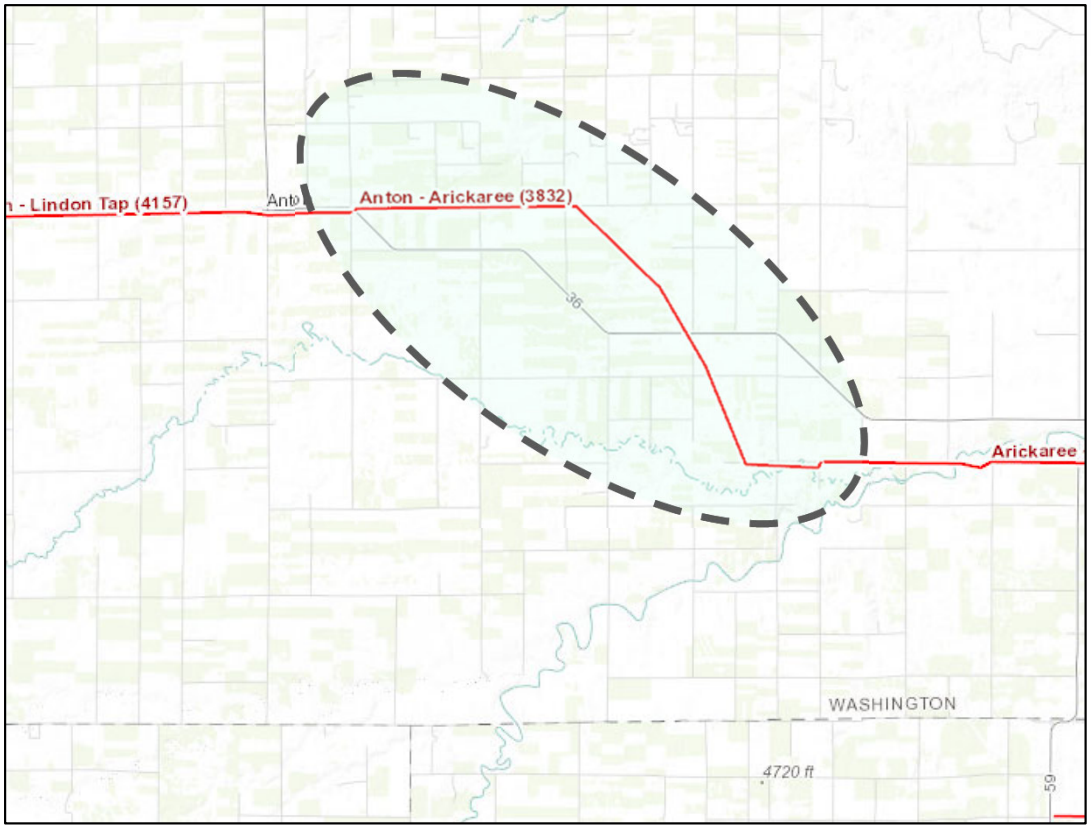
Description:	Establish a new 115 kV DP for MWECC. Scope of project includes a 115 kV breaker addition inside Tri-State's Ogallala substation along with the installation of 115/34.5 kV 50 MVA transformer, low side 34.5 kV equipment and metering equipment.
Voltage:	115 kV
Length:	N/A
Type:	Substation
Status:	Planned
ISD:	2025
Purpose:	Load Serving

Projects: Colorado (27)



Anton – Arickaree 115 kV Line Uprate

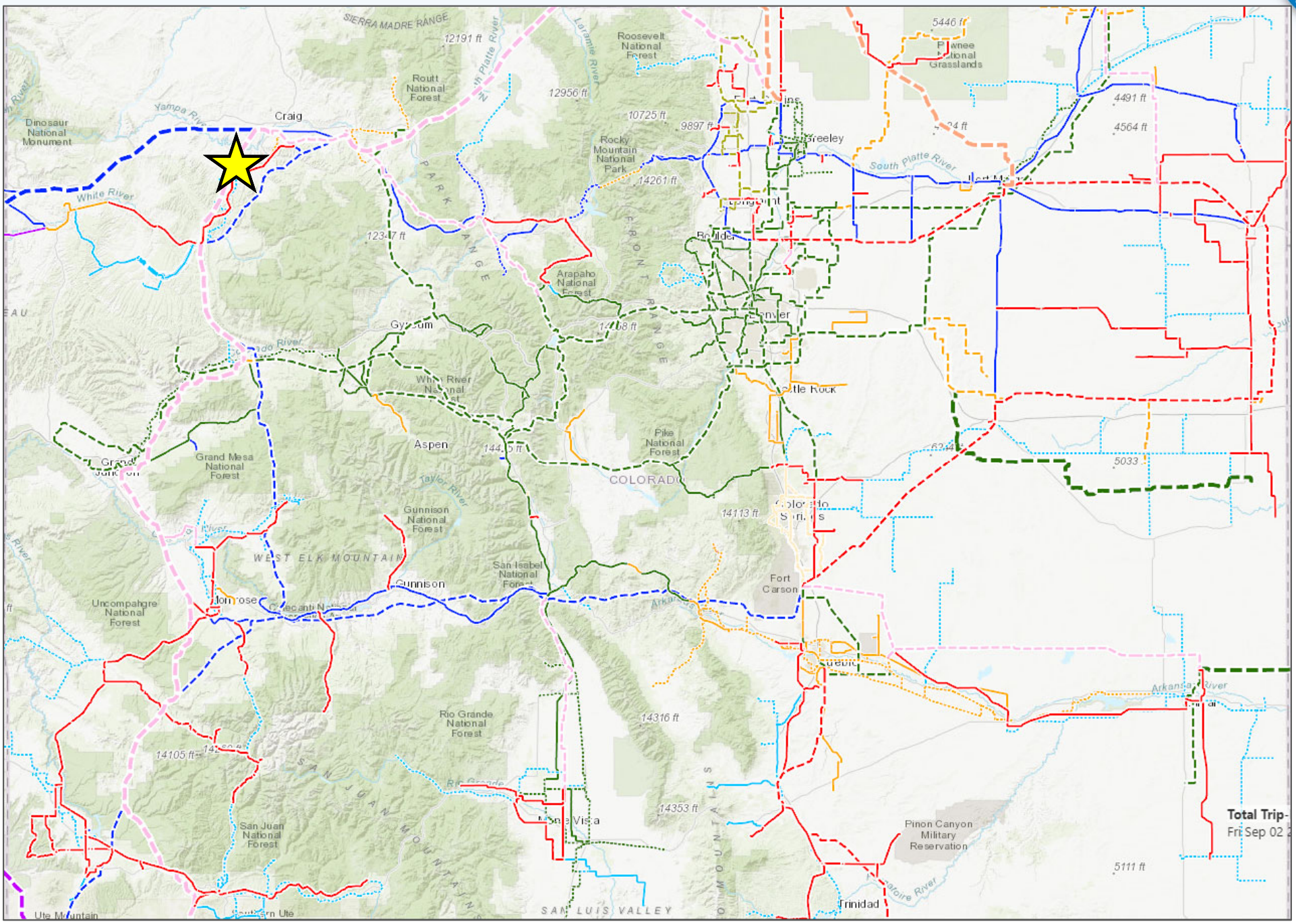


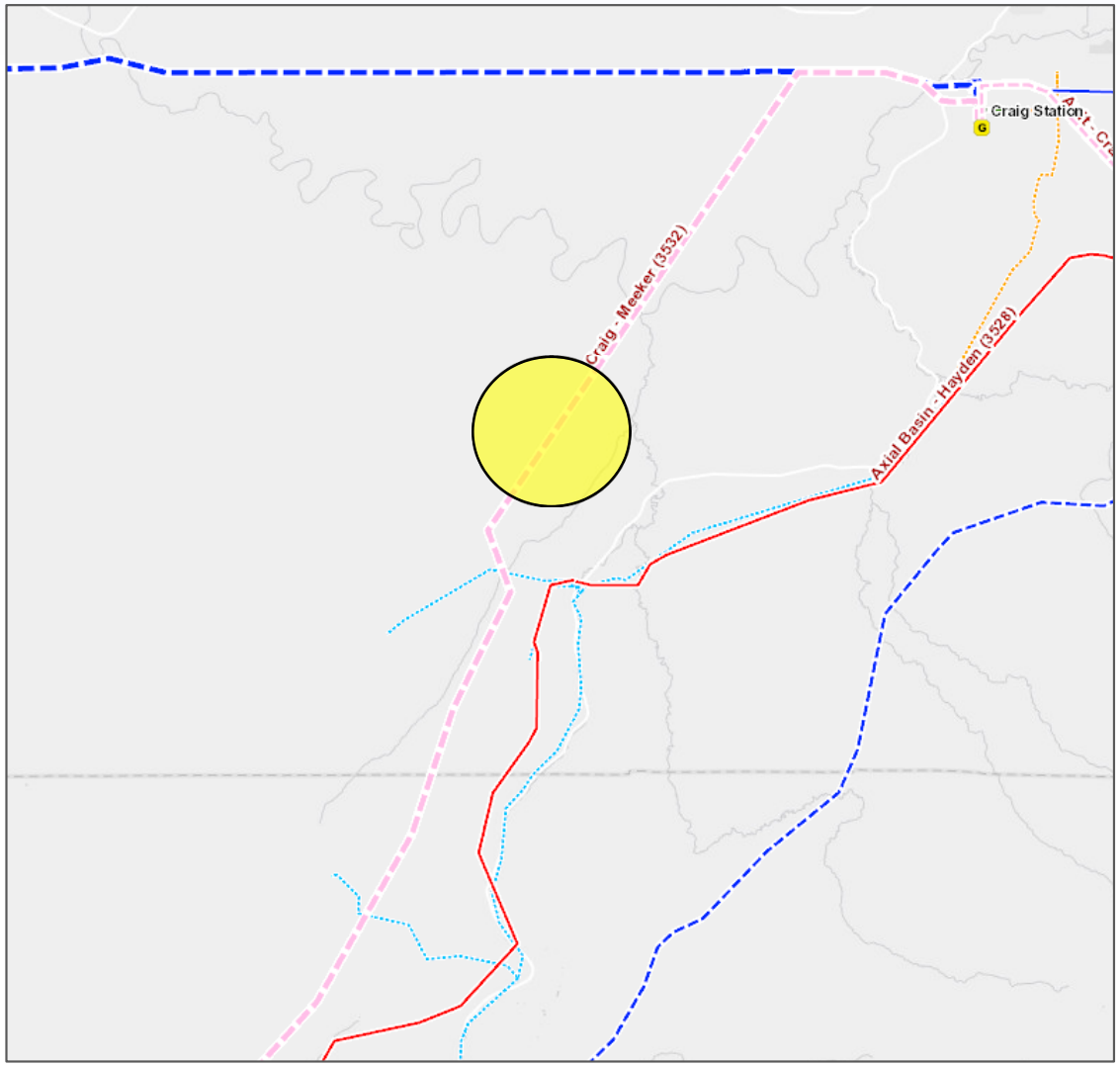


Anton – Arickaree 115 kV Line Uprate

Description:	Uprate of existing 115 kV line between Anton and Arickaree Substations.
Voltage:	115 kV
Length:	27 miles
Type:	Line.
Status:	Planned
ISD:	2025
Purpose:	Increase overall line rating

Axial Basin Solar Interconnect

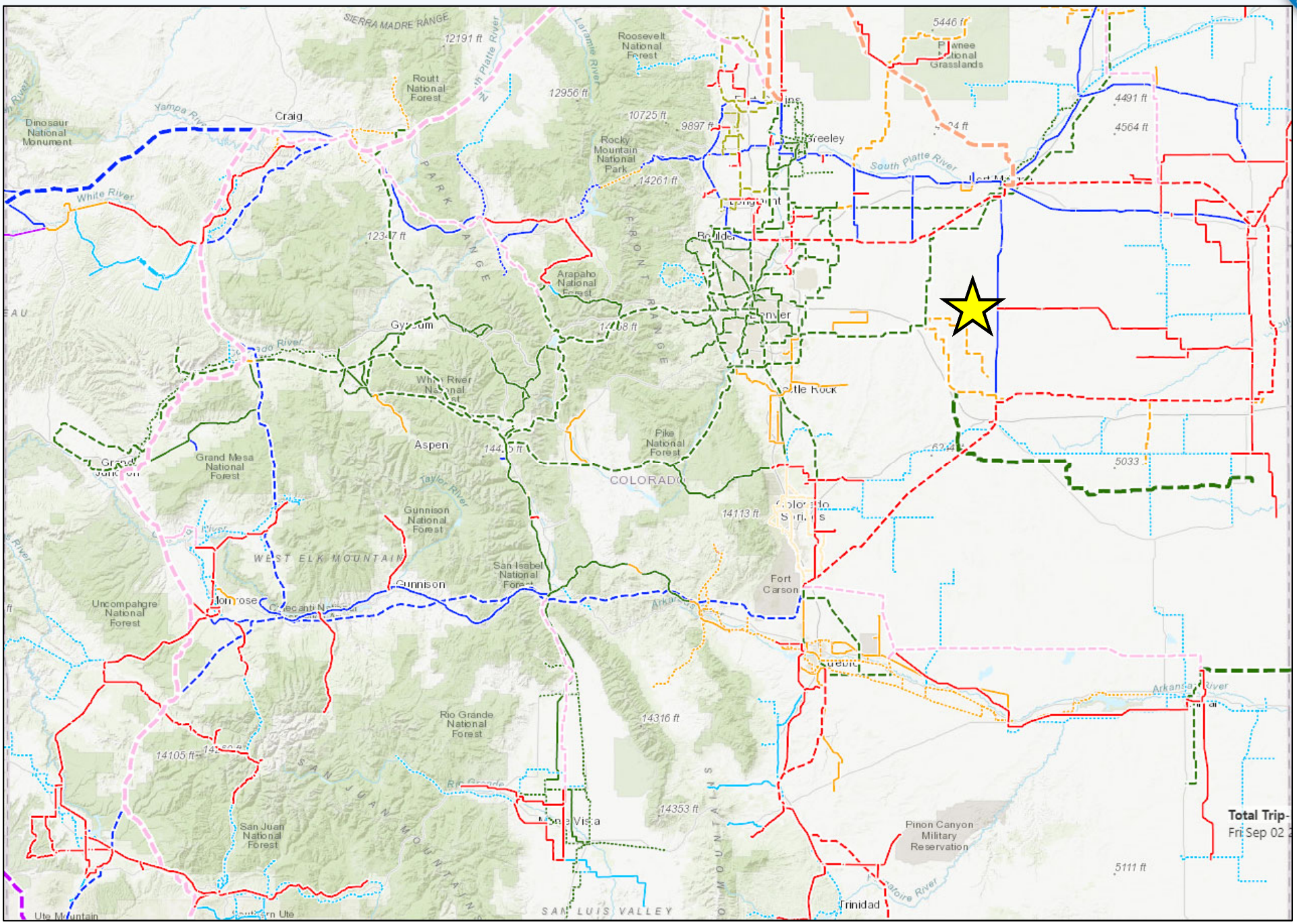


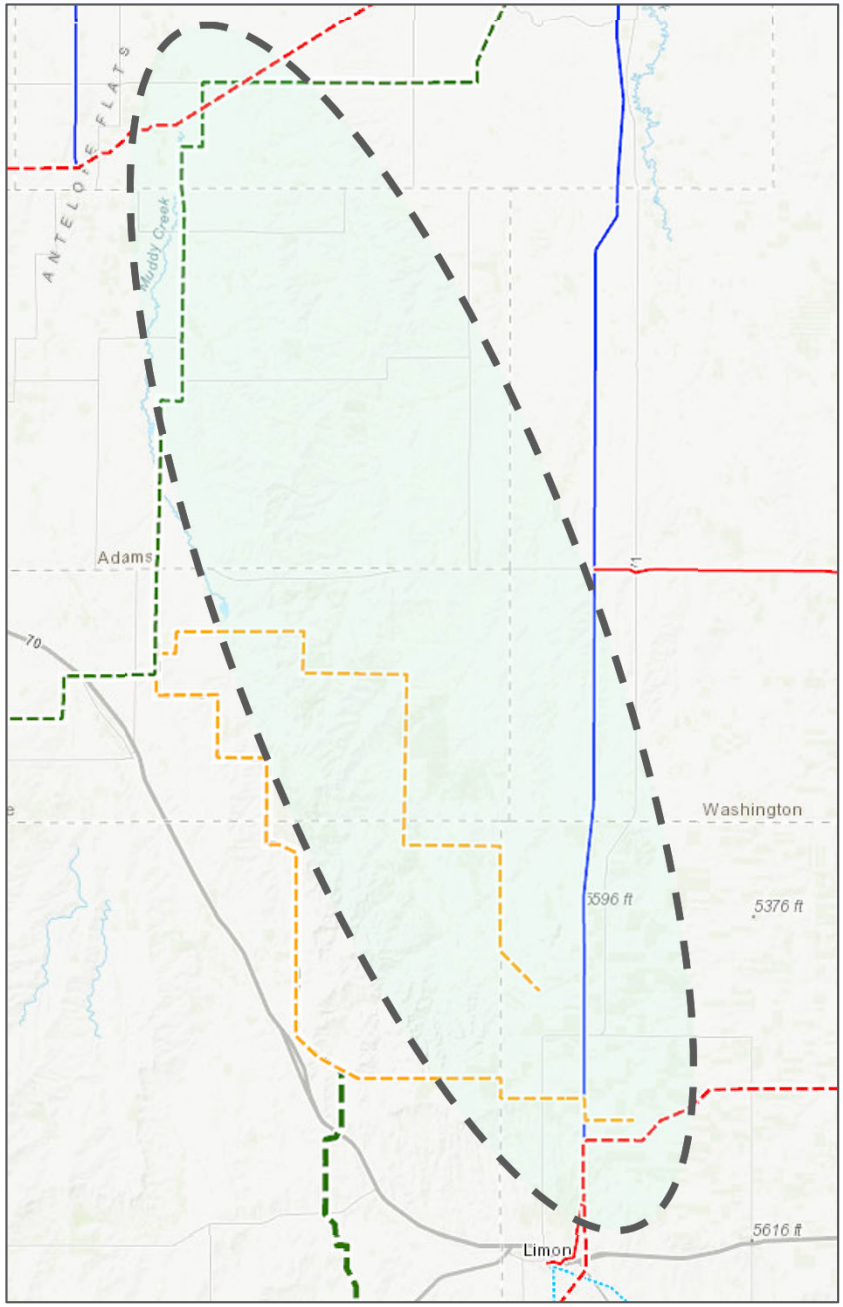


Axial Basin Solar Interconnect

Description:	Construct new 345 kV Milk Creek Switching Station along Craig – Meeker 345 kV line to accommodate Axial Basin Solar
Voltage:	345 kV
Location	~16.5 Miles Southwest of Craig
Length:	0 miles
Type:	Substation
Status:	Under Construction
Planned ISD:	2024
Purpose:	Generation Addition

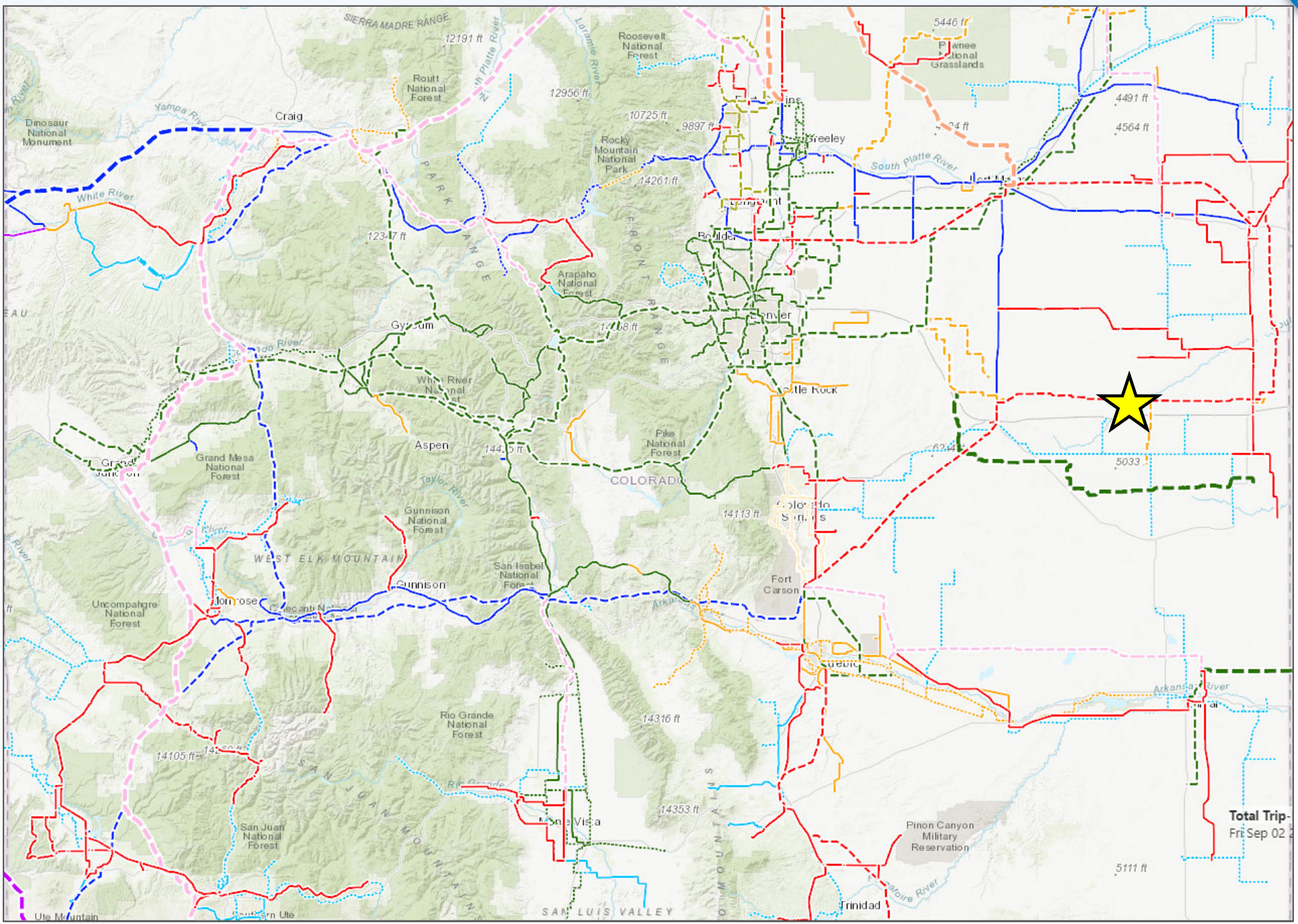
Big Sandy – Badger Creek 230 kV Line

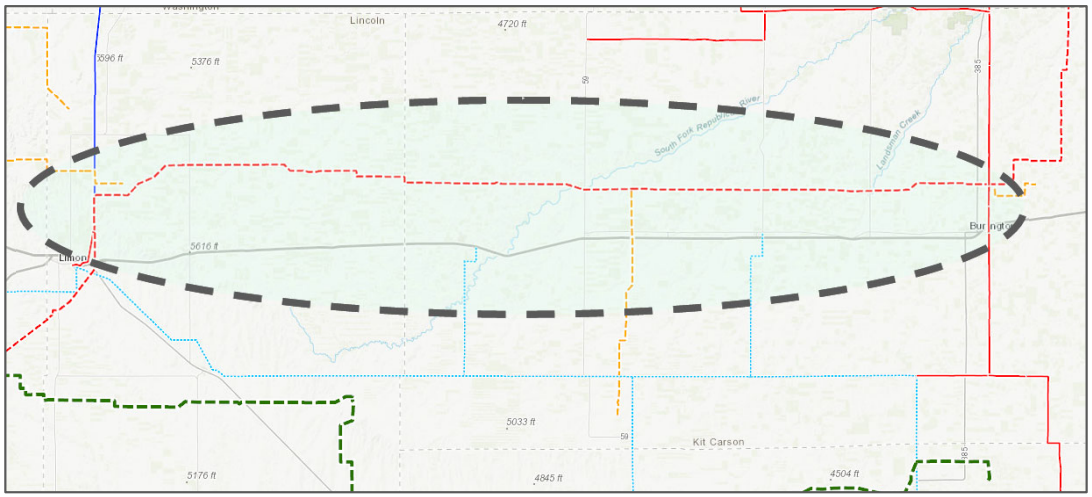




Big Sandy – Badger Creek 230 kV Line	
Description:	Construct a 230 kV transmission line from existing Big Sandy Substation to new Badger Creek Substation.
Voltage:	230 kV
Length:	80 miles
Type:	Substation and Line
Status:	Planned
ISD:	2028
Purpose:	Reliability, improve load-serving capability, remove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

Big Sandy – Burlington 230 kV Line Uprate

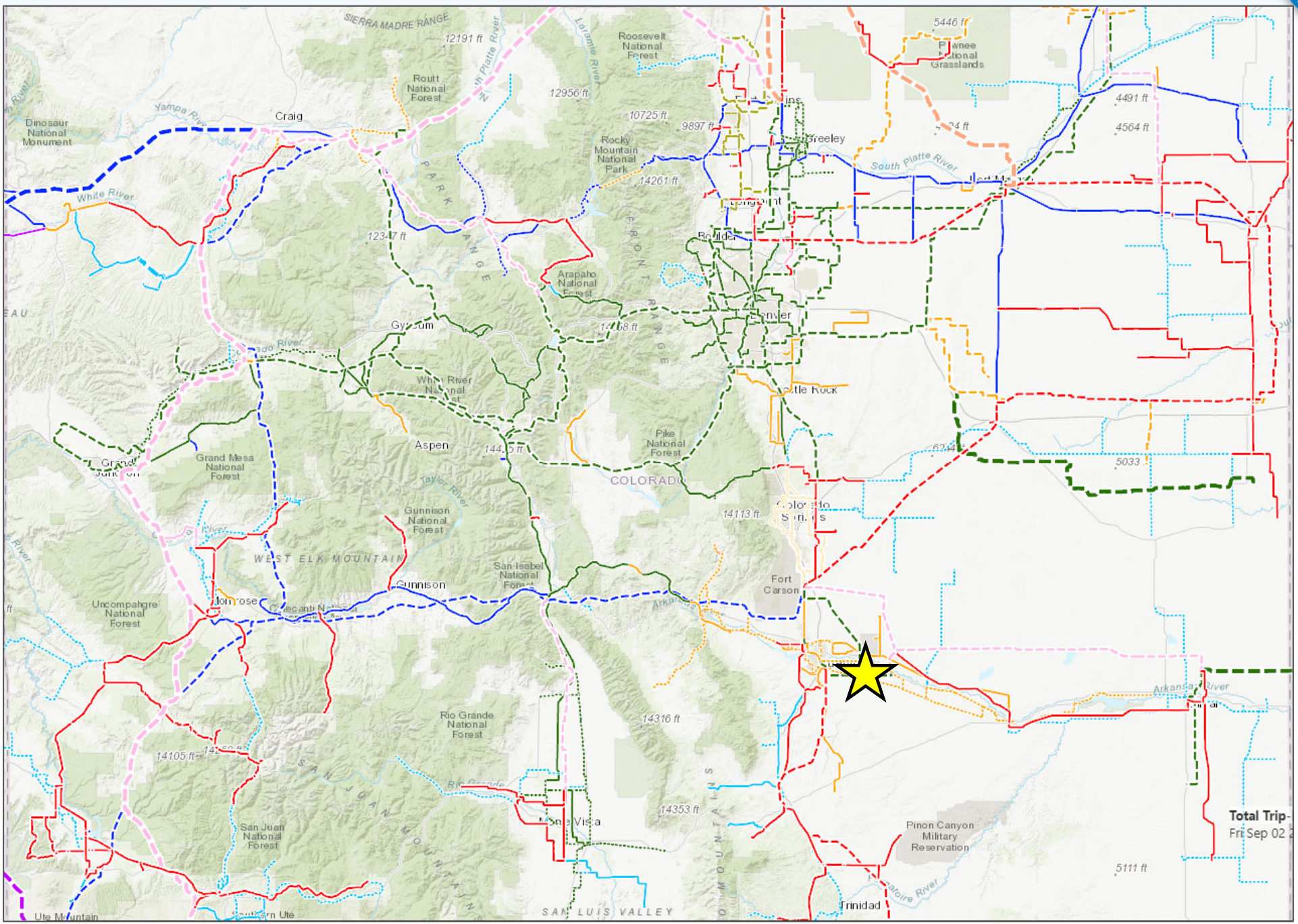


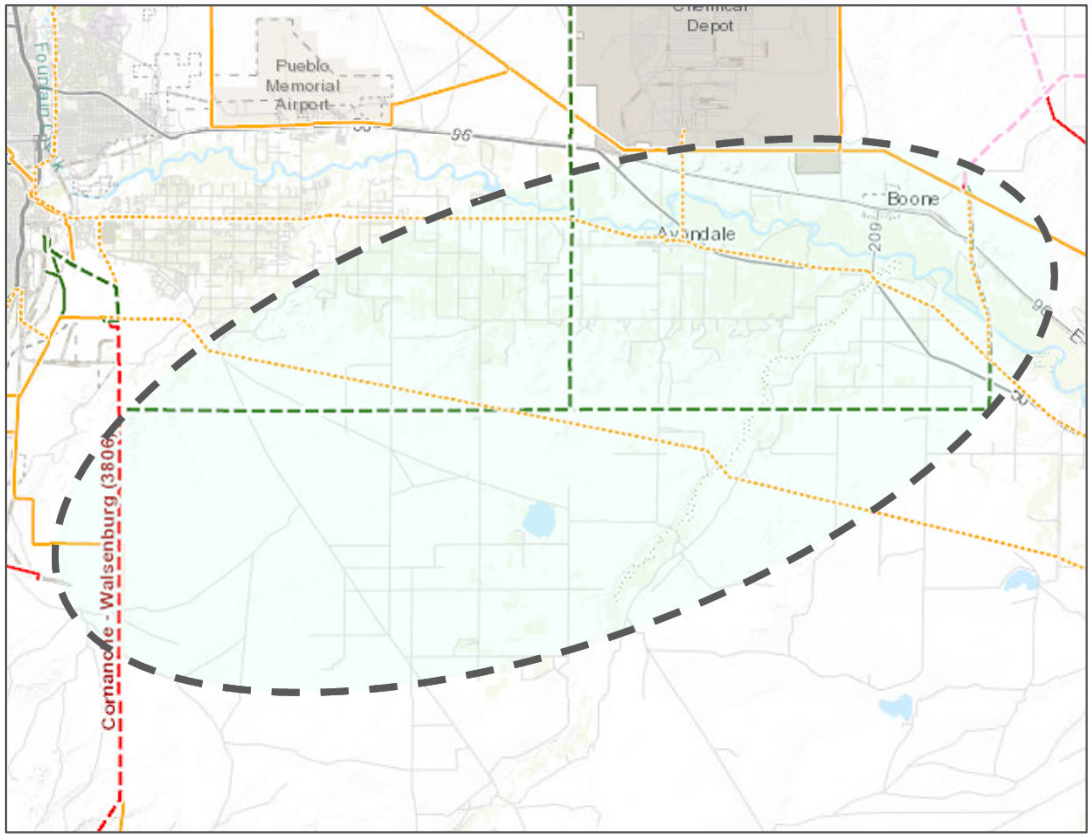


Big Sandy – Burlington 230 kV Line Uprate

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

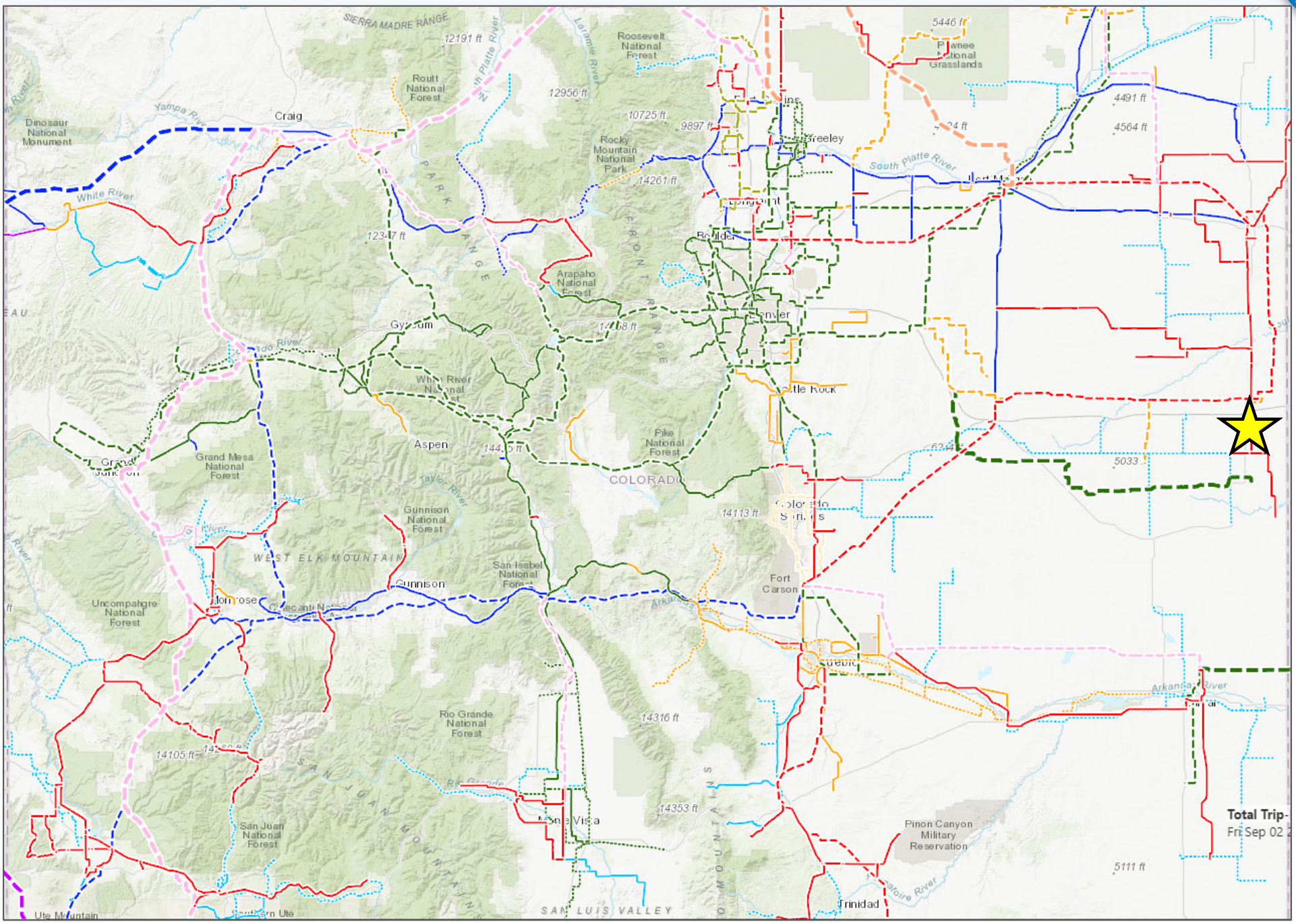


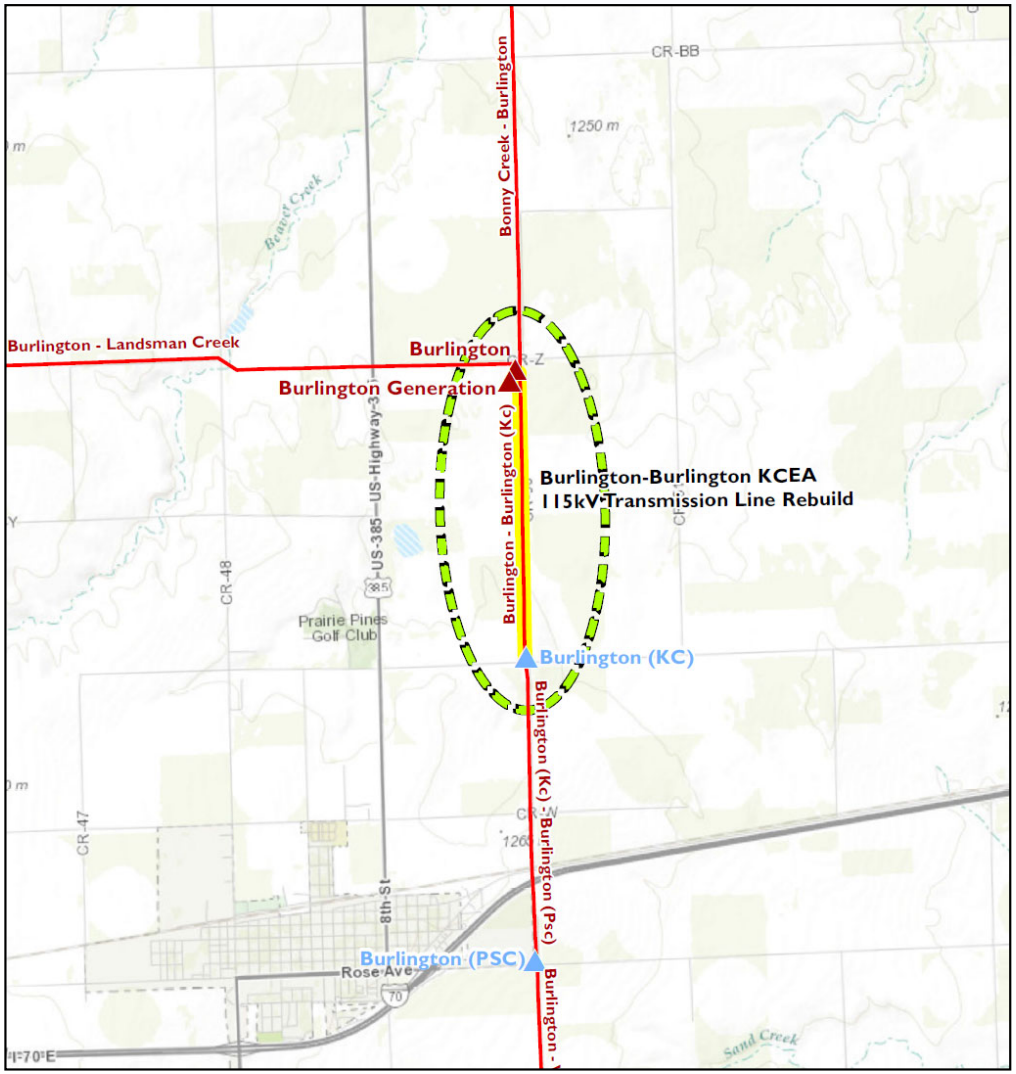


Boone – Huckleberry 230 kV Line

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 (TS) – Burlington (KCEA) 115 kV

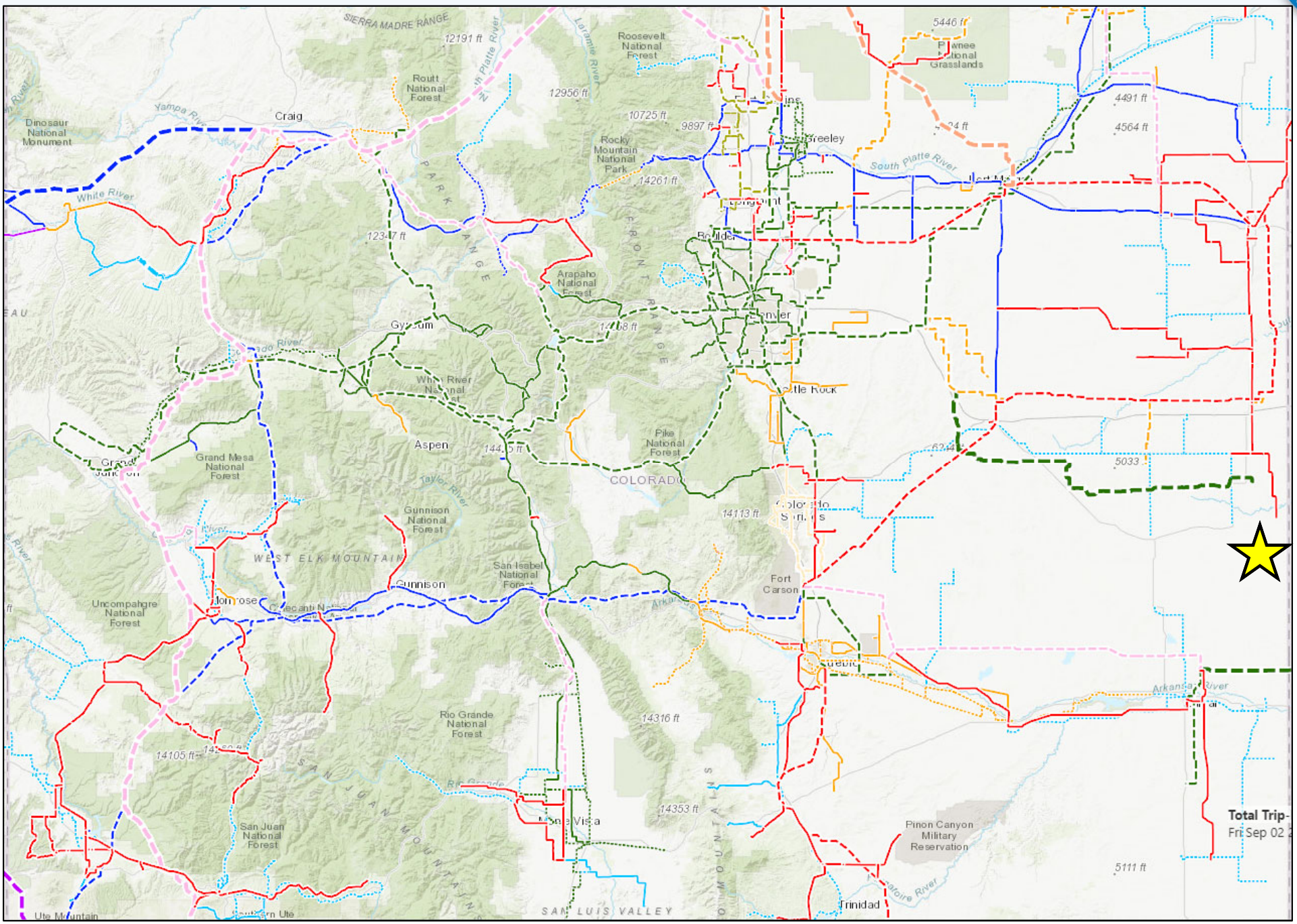


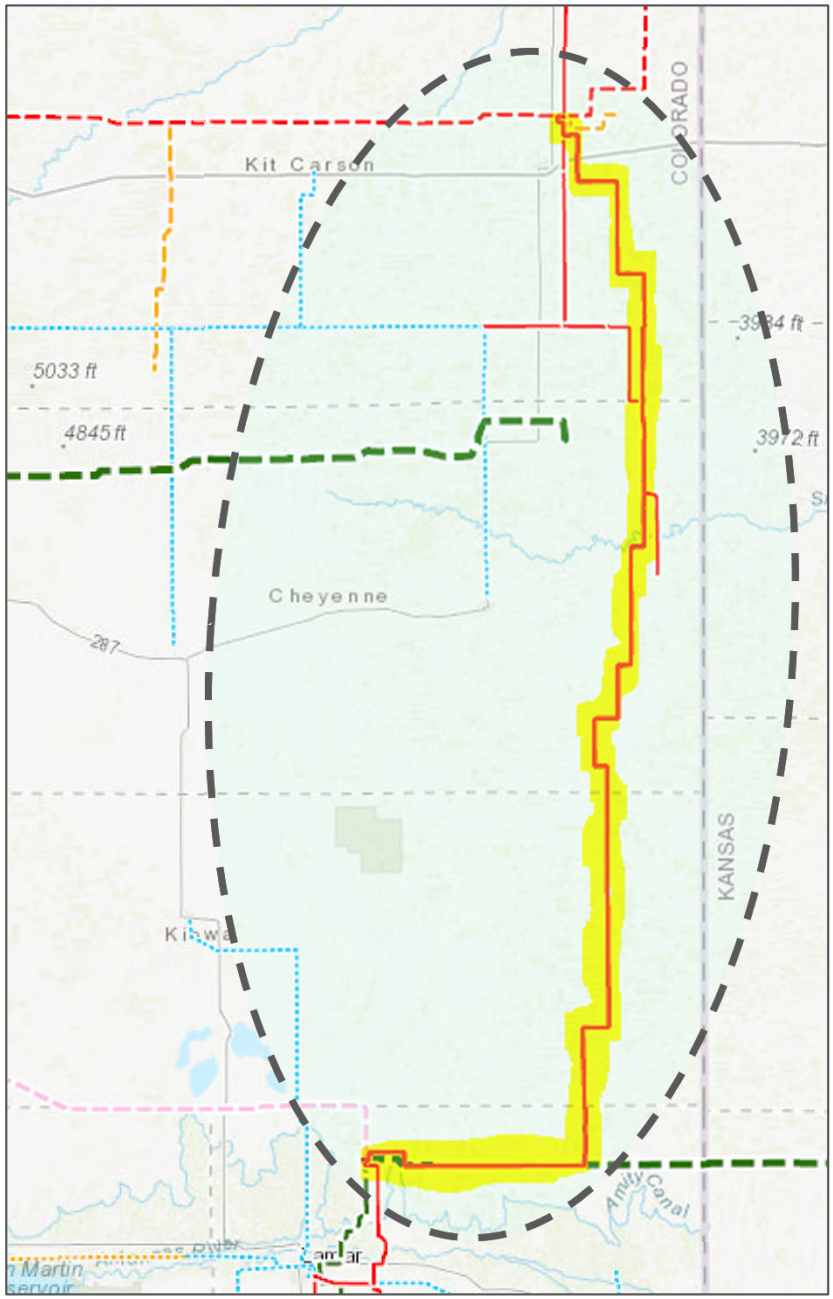


Burlington (TS) – Burlington (KCEA) 115 kV

Description:	Reconductor with 795 ACSR.
Voltage:	115 kV
Length:	1.87 miles
Type:	Line
Status:	Planned
Planned ISD:	2026
Purpose:	Accommodate distribution system load shifting.

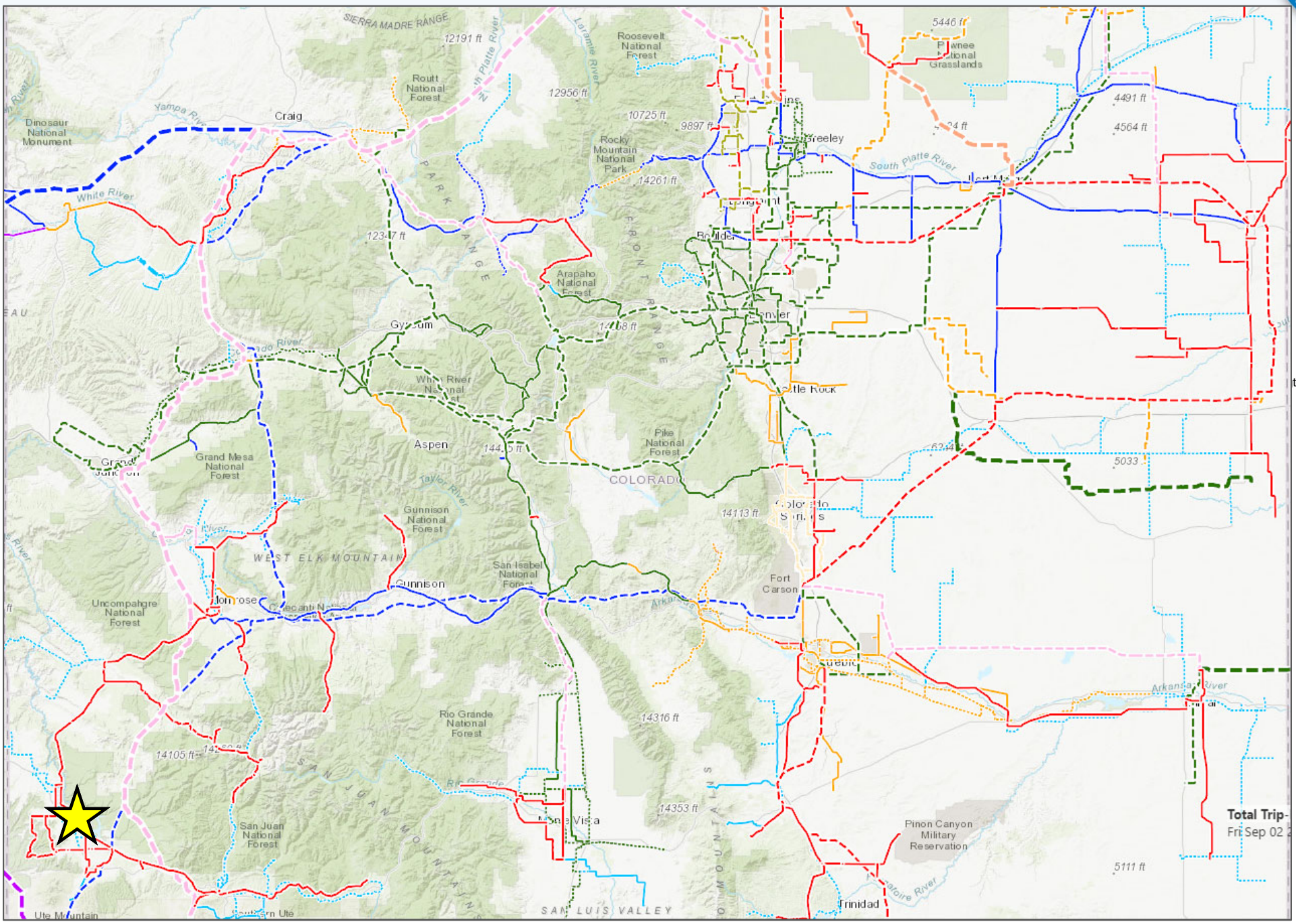
Burlington – Lamar 230 kV Line

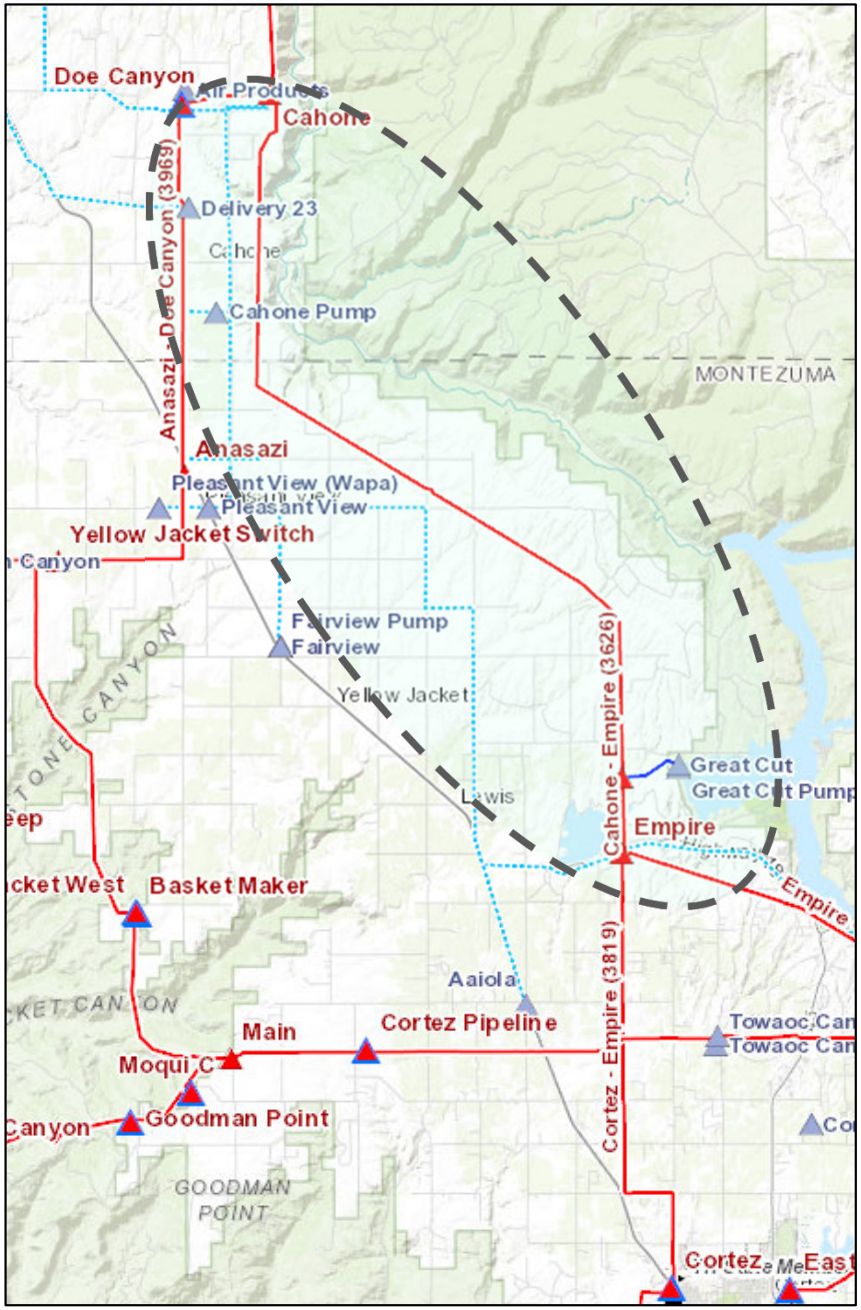




Burlington – Lamar 230 kV Line	
Description:	Construct a 230 kV transmission line from existing Burlington Substation to the existing Lamar Substation.
Voltage:	230 kV
Length:	107 miles
Type:	Line
Status:	Under Construction
ISD:	2025
Purpose:	Reliability, improve load-serving capability, remove generation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

Cahone – Empire 115 kV Line Uprate

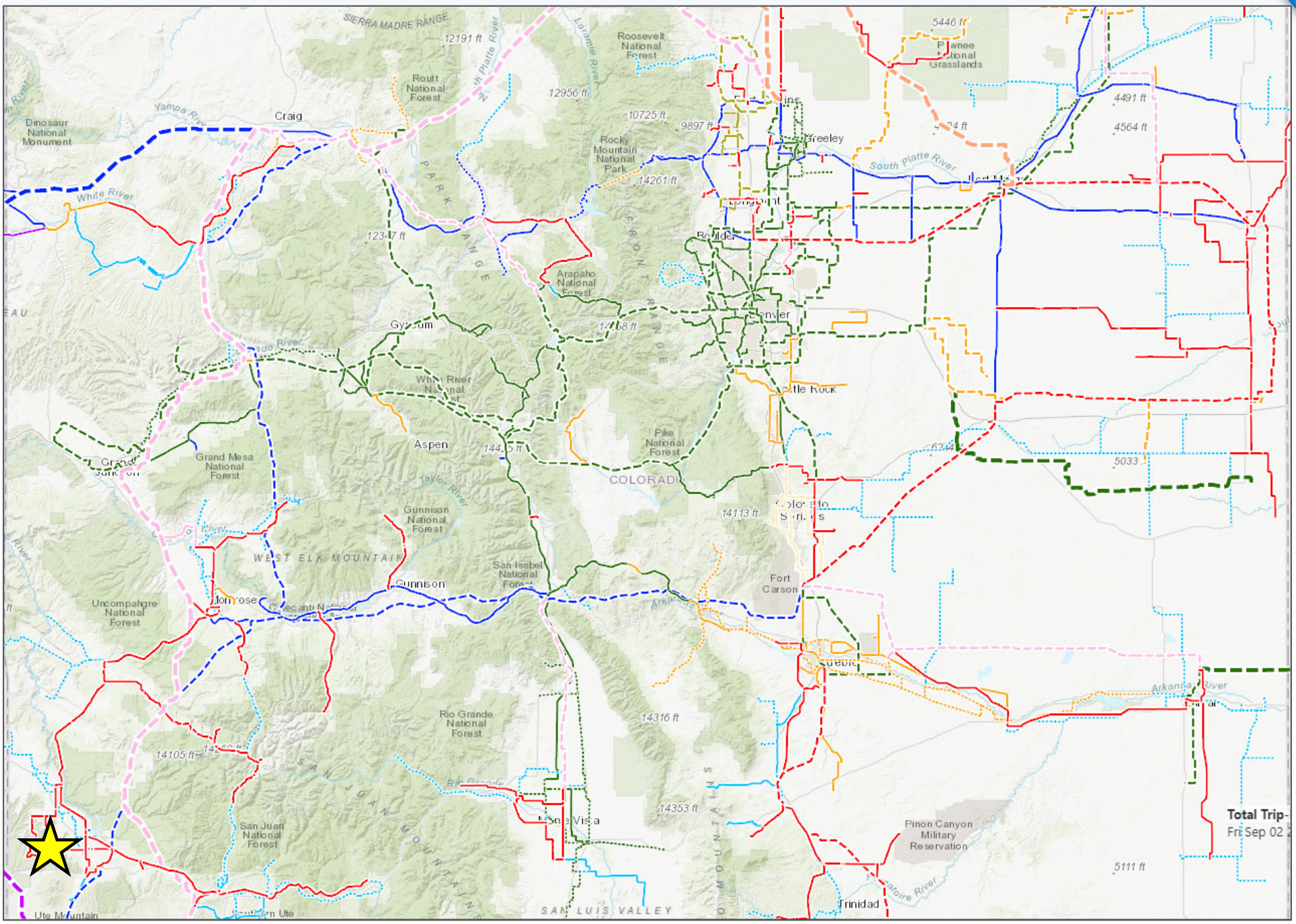


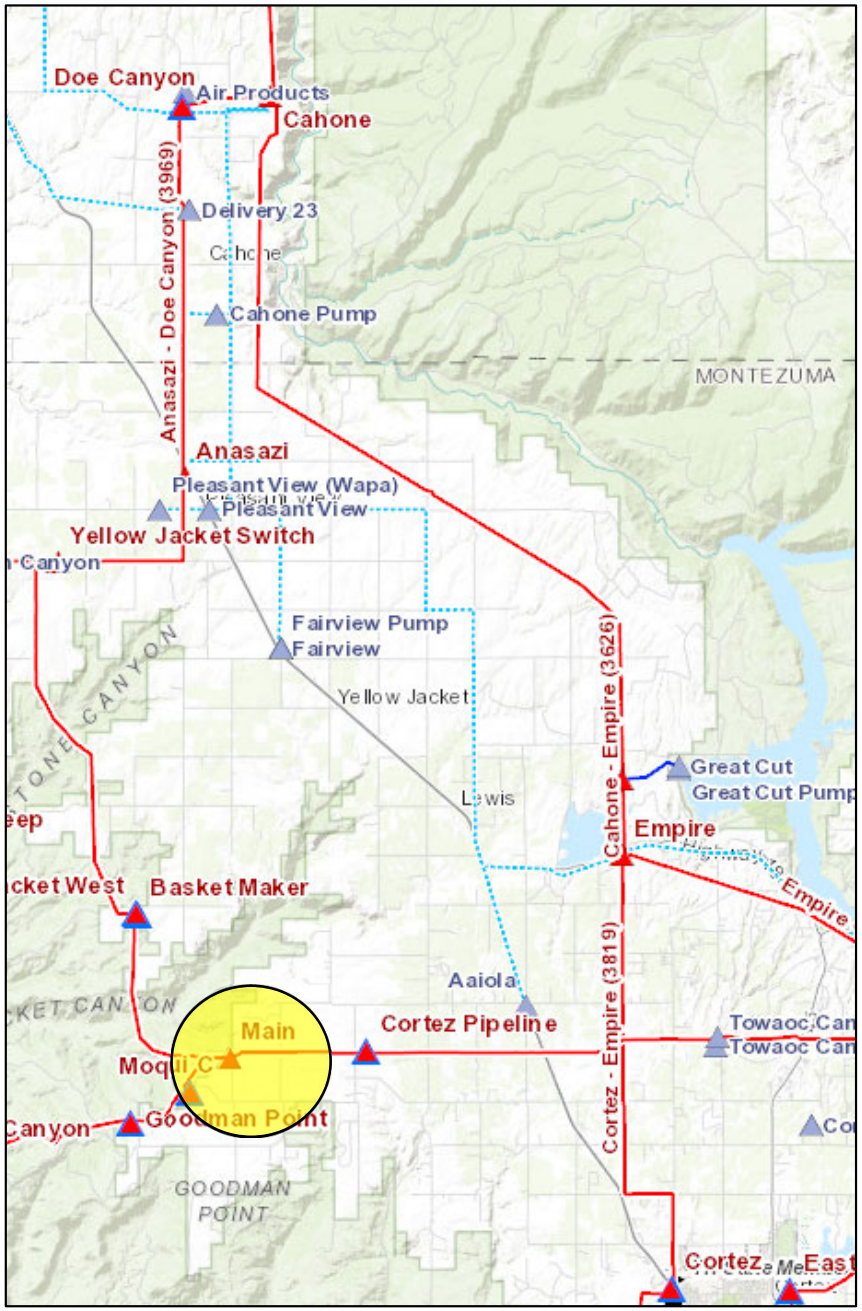


Cahone – Empire 115 kV Line Uprate

Description:	Uprate of existing 115 kV line between Cahone and Empire. Project includes terminal upgrades at Cahone.
Voltage:	115 kV
Length:	20 miles
Type:	Line.
Status:	Under Construction
Planned ISD:	2022
Purpose:	Increase overall line rating

Coyote Gulch Solar Interconnect

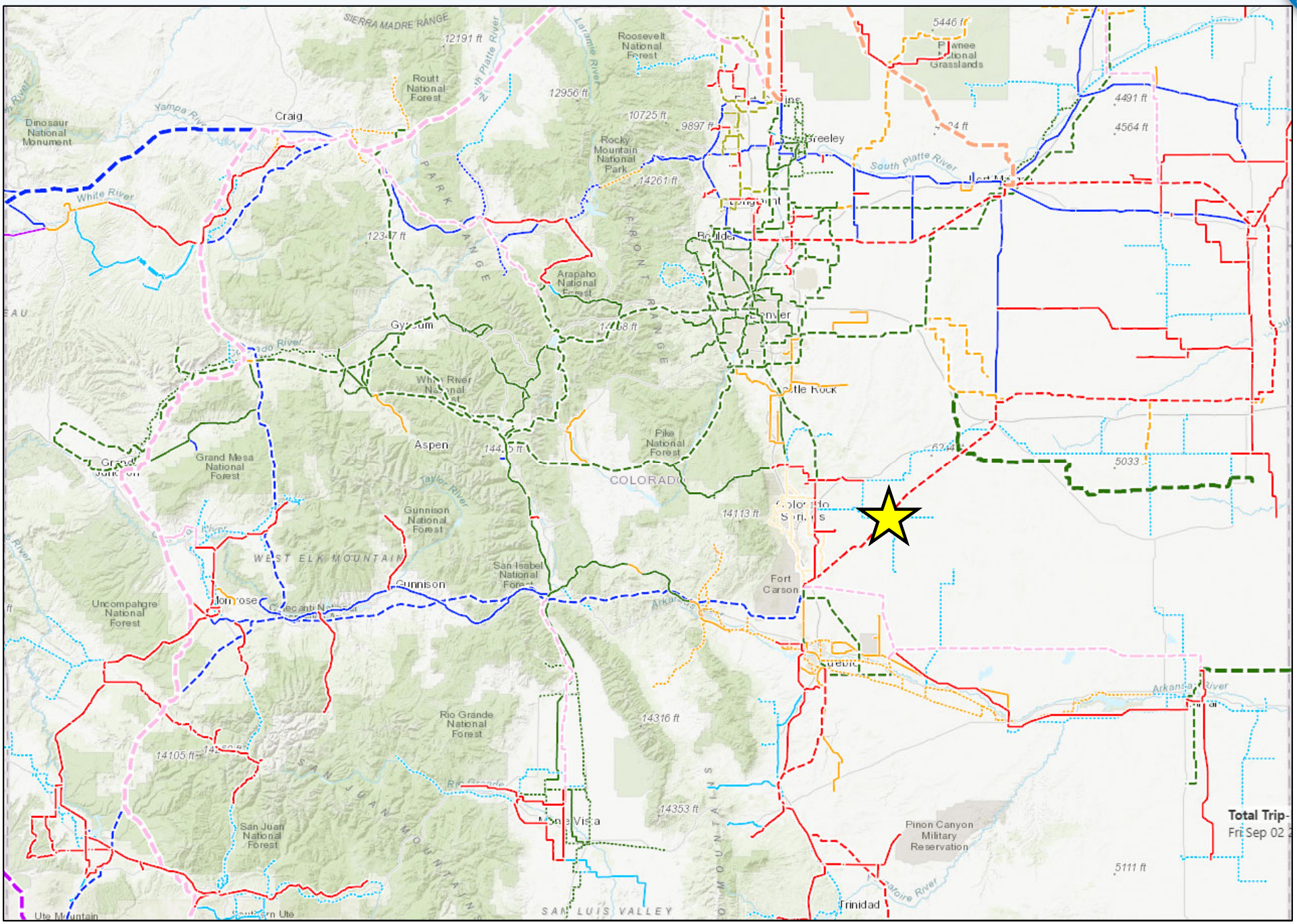


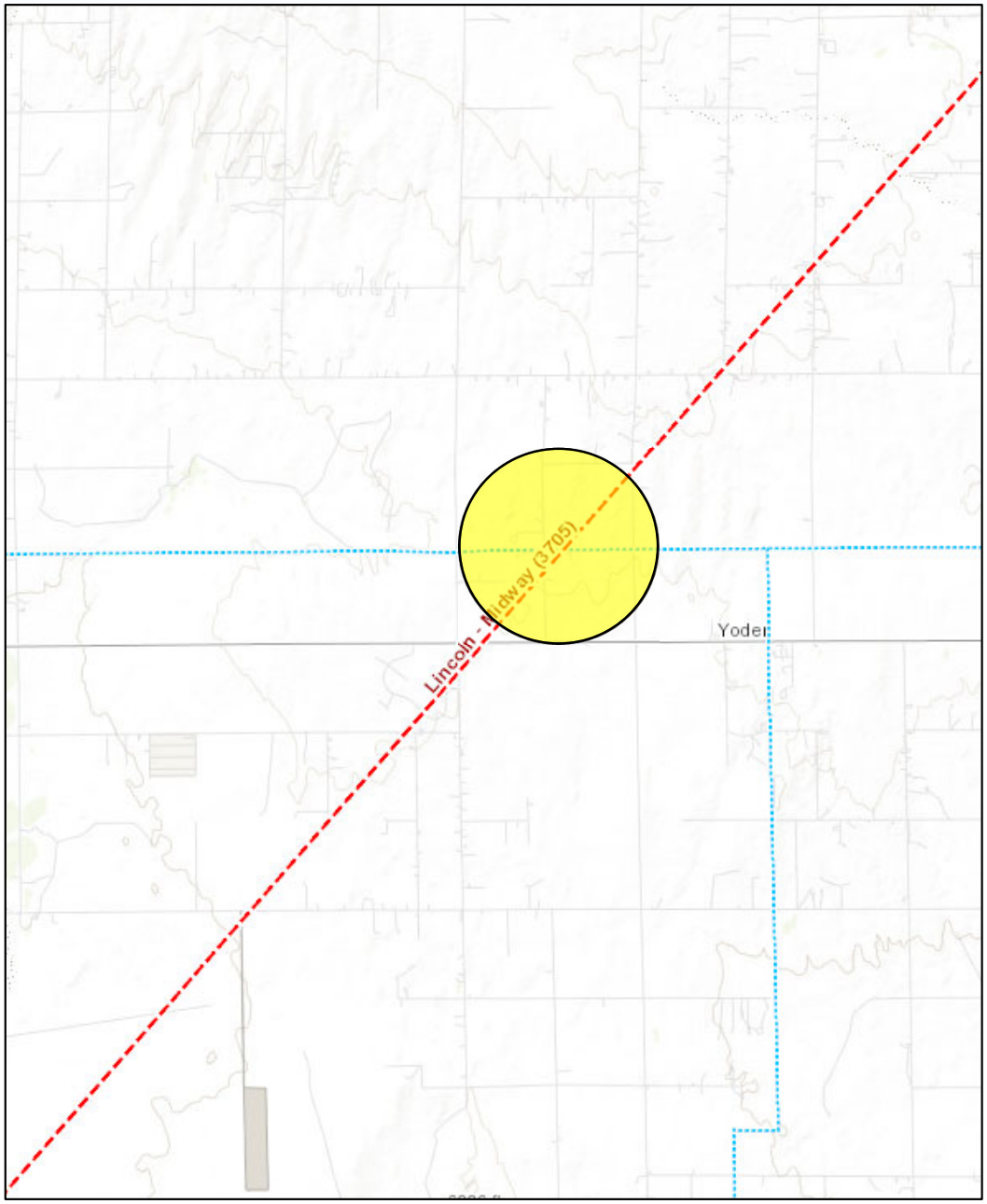


Coyote Gulch Solar Interconnect

Description:	Construct a 115 kV line bay at the existing Main Switch Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	0 miles
Type:	Substation
Status:	Planned
Planned ISD:	2024
Purpose:	Generation Addition

Cross Point 230/69kV Delivery Point

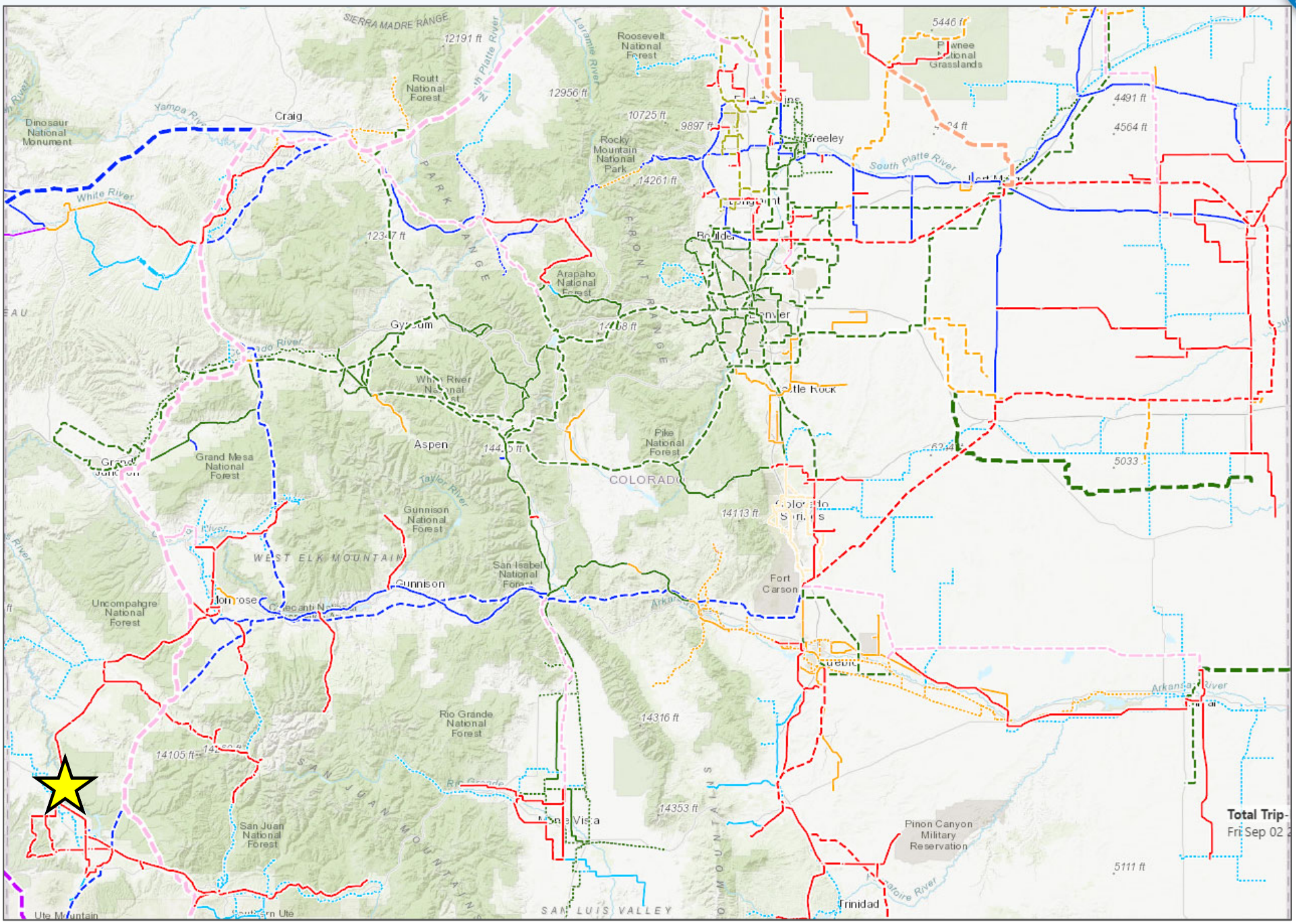


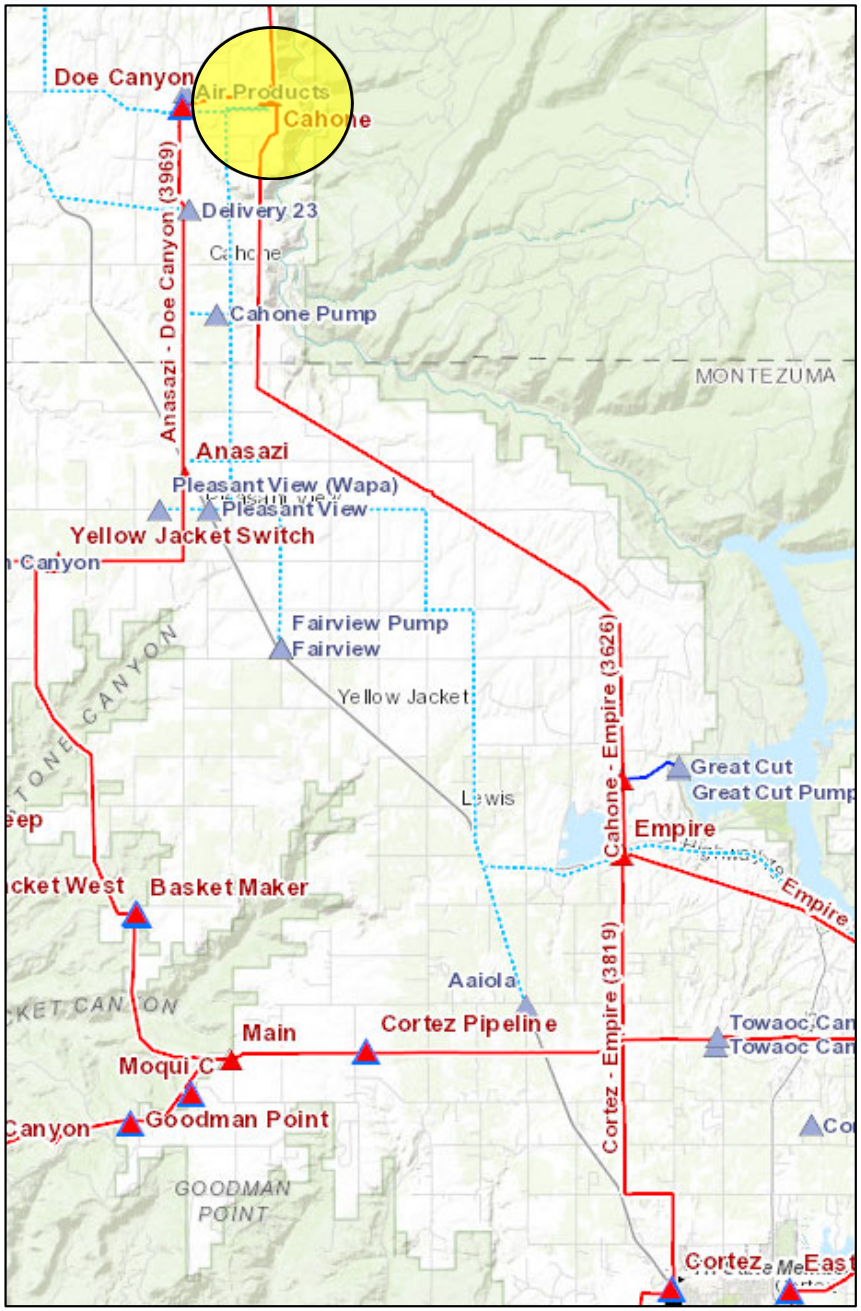


Cross Point 230/69kV Delivery Point

Description:	Construct new 230/69kV Cross Point substation.
Voltage:	230/69 kV
Length:	0 miles
Type:	Substation
Status:	Planned
Planned ISD:	2025
Purpose:	Load Serving; Reliability

Dolores Canyon Solar Interconnect

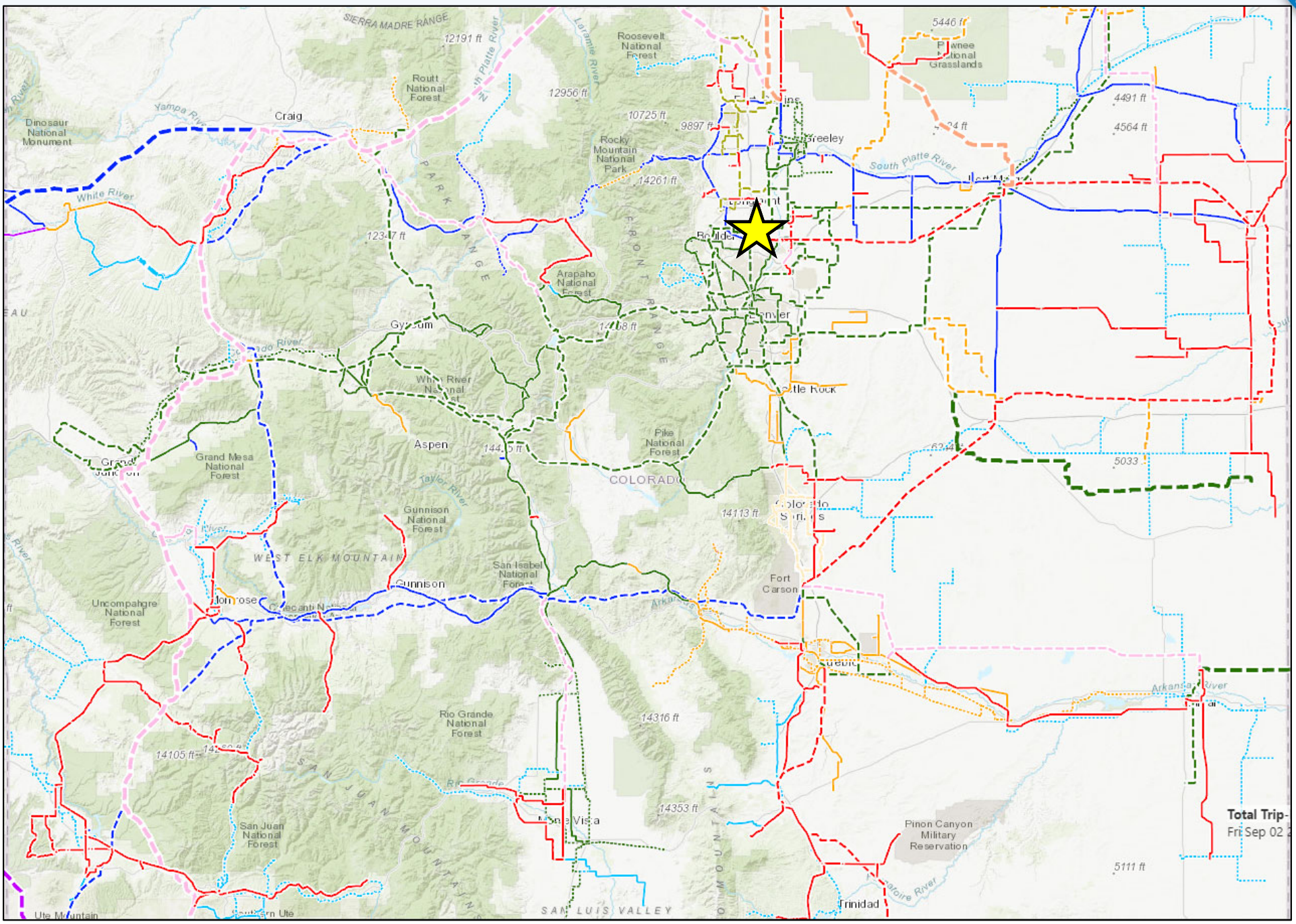


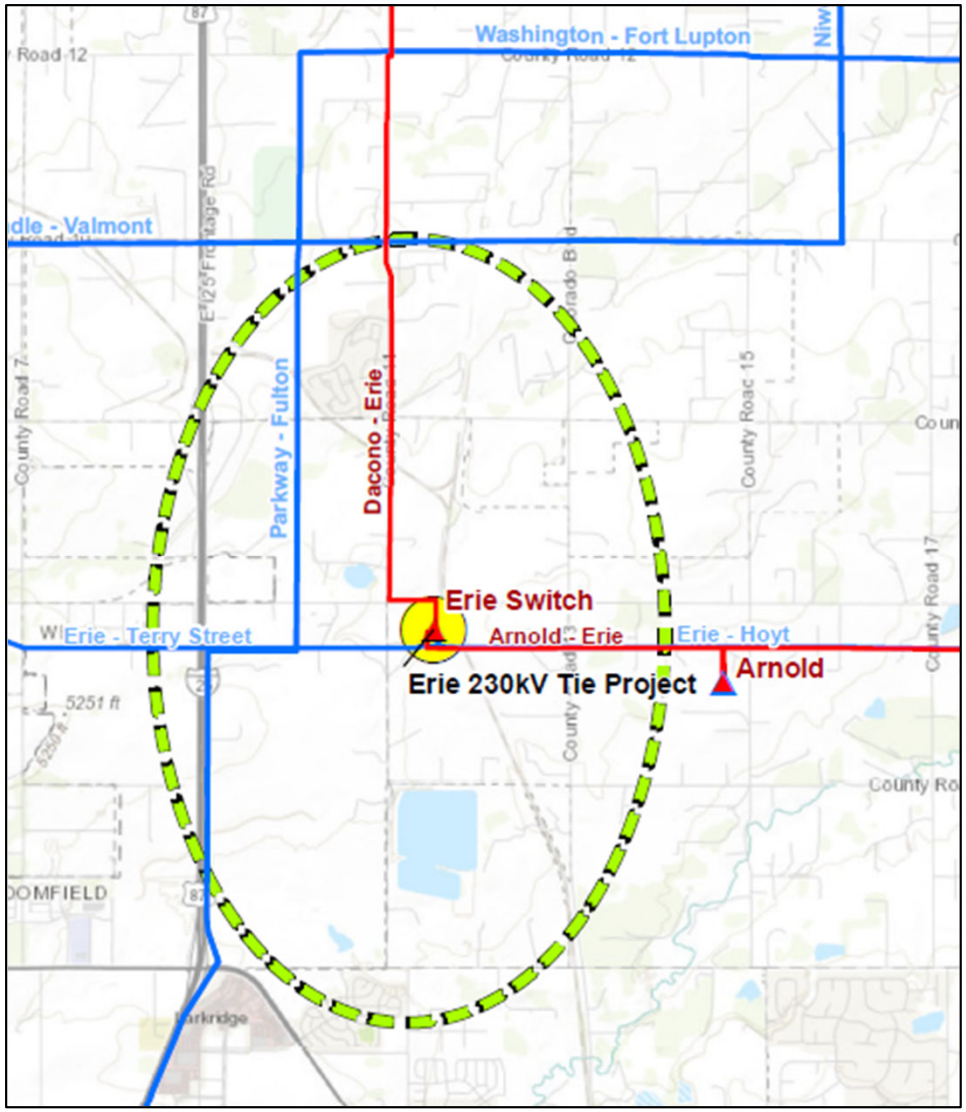


Dolores Canyon Solar Interconnect

Description:	Construct a 115 kV line bay at the existing Cahone Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	0 miles
Type:	Substation
Status:	Under Construction
Planned ISD:	2024
Purpose:	Generation Addition

Erie 230 kV Tie Project

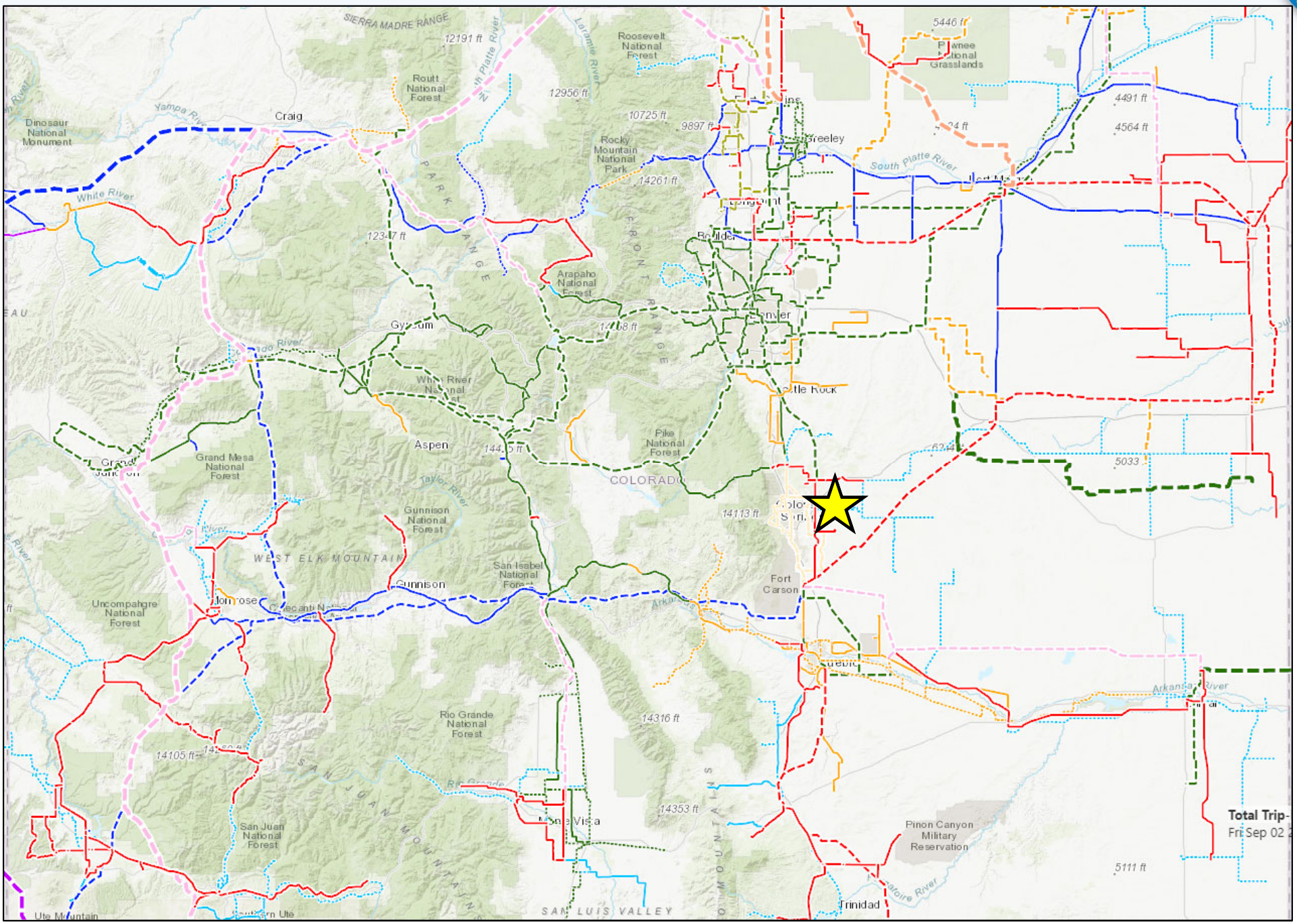


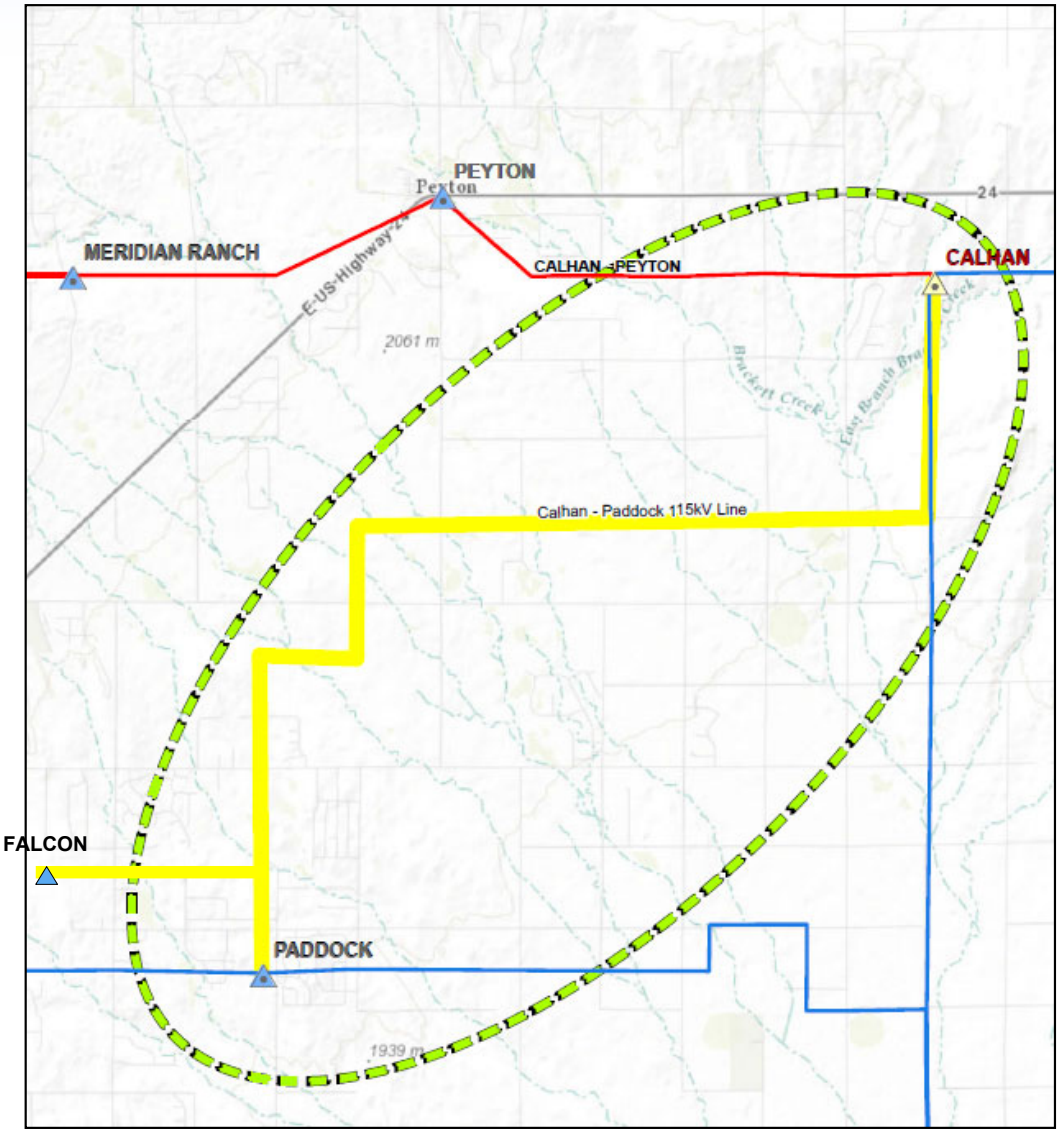


Erie 230 kV Tie Project

Description:	Cut and loop PSCo's Ft. Lupton – JL Green 230 kV line into Erie Substation. Add line breakers to the ring bus, and add a 2nd 230/115 kV transformer for reliability.
Voltage:	230/115 kV
Length:	1 mile
Type:	Line and Substation
Status:	Cancelled
Planned ISD:	-
Purpose:	Reliability; Load Serving

Falcon – Paddock – Calhan 115 kV

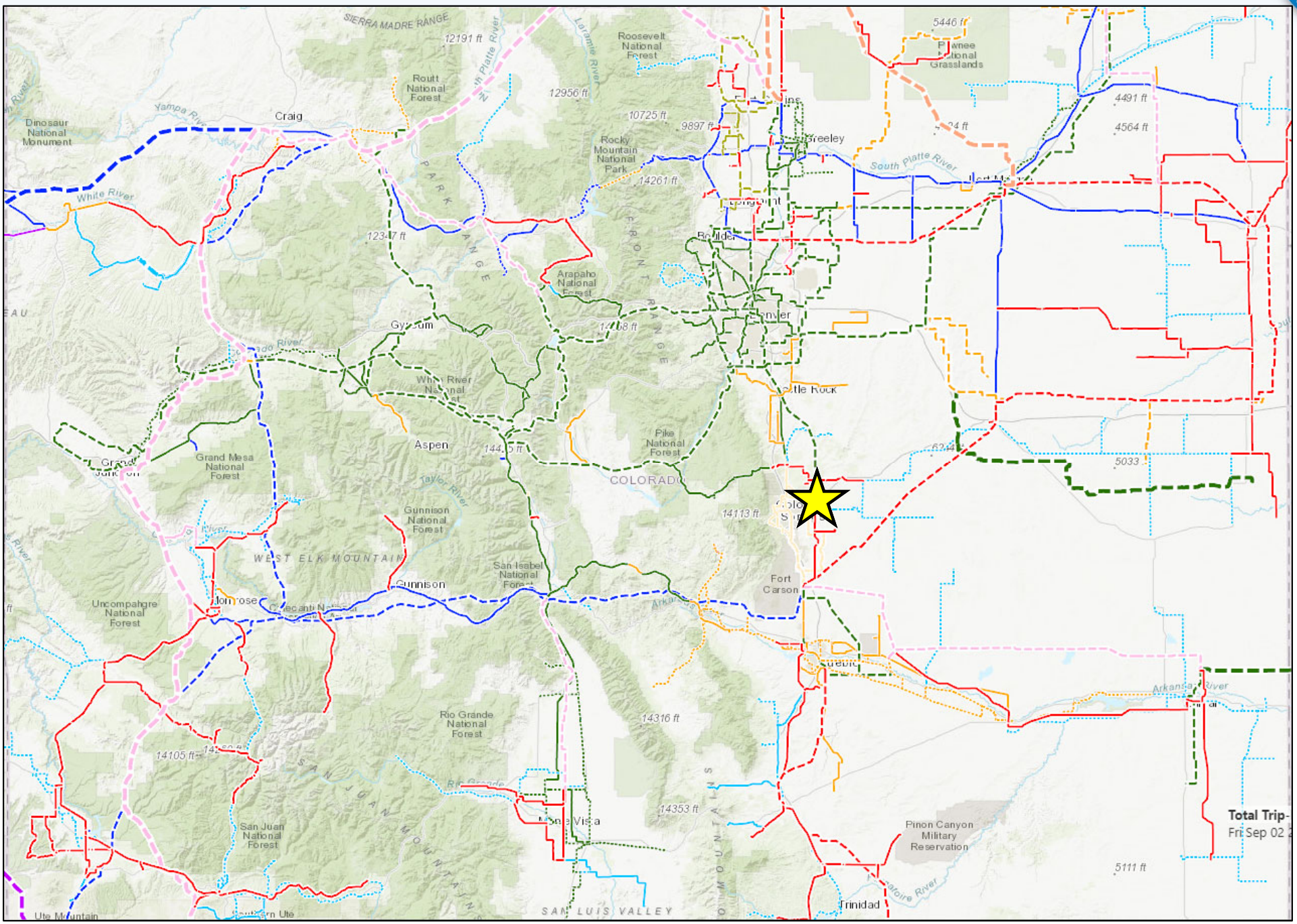


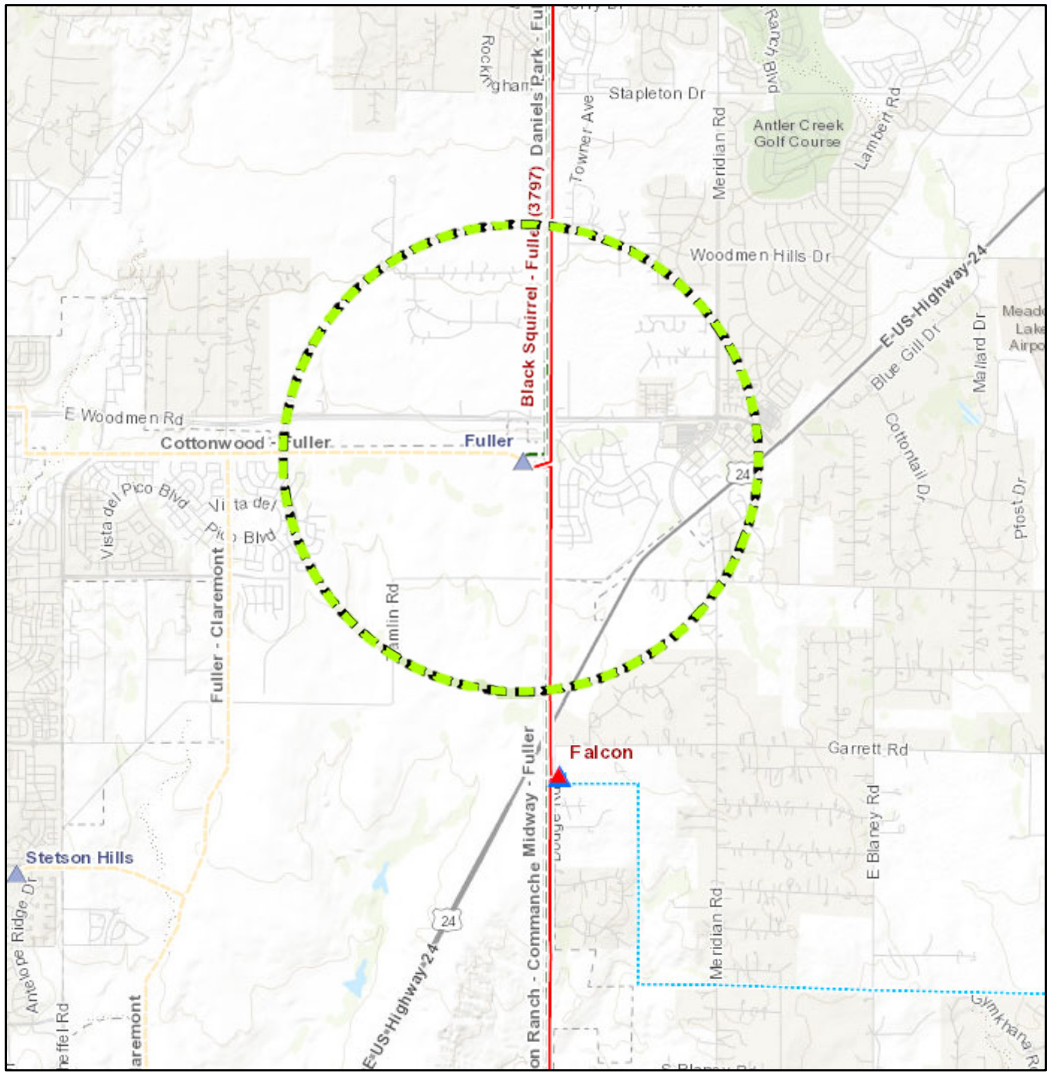


Falcon – Paddock – Calhan 115 kV

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:	Conceptual
Planned ISD:	TBD
Purpose:	Accommodate increased loads and improve reliability.

Fuller T2 Project

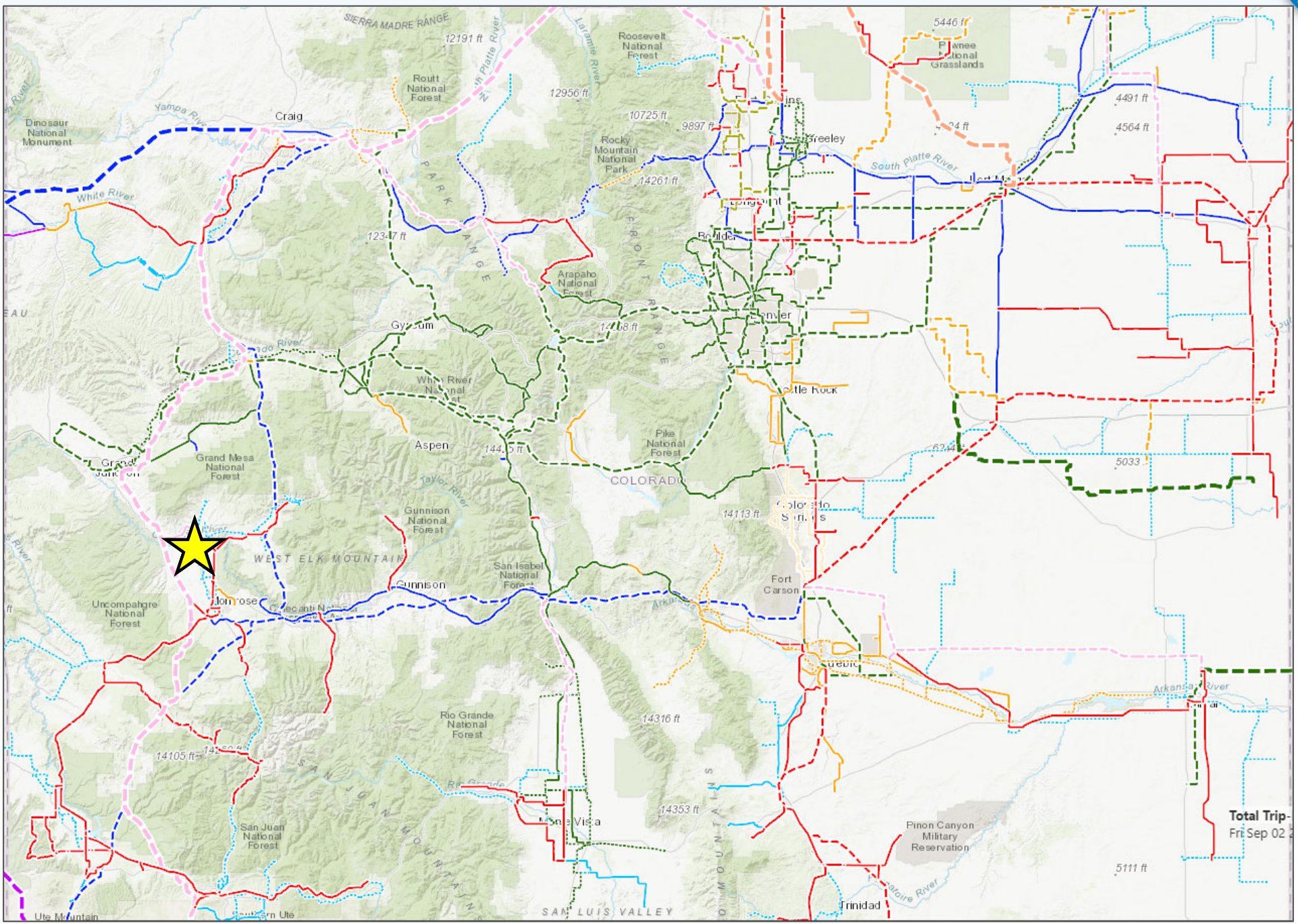


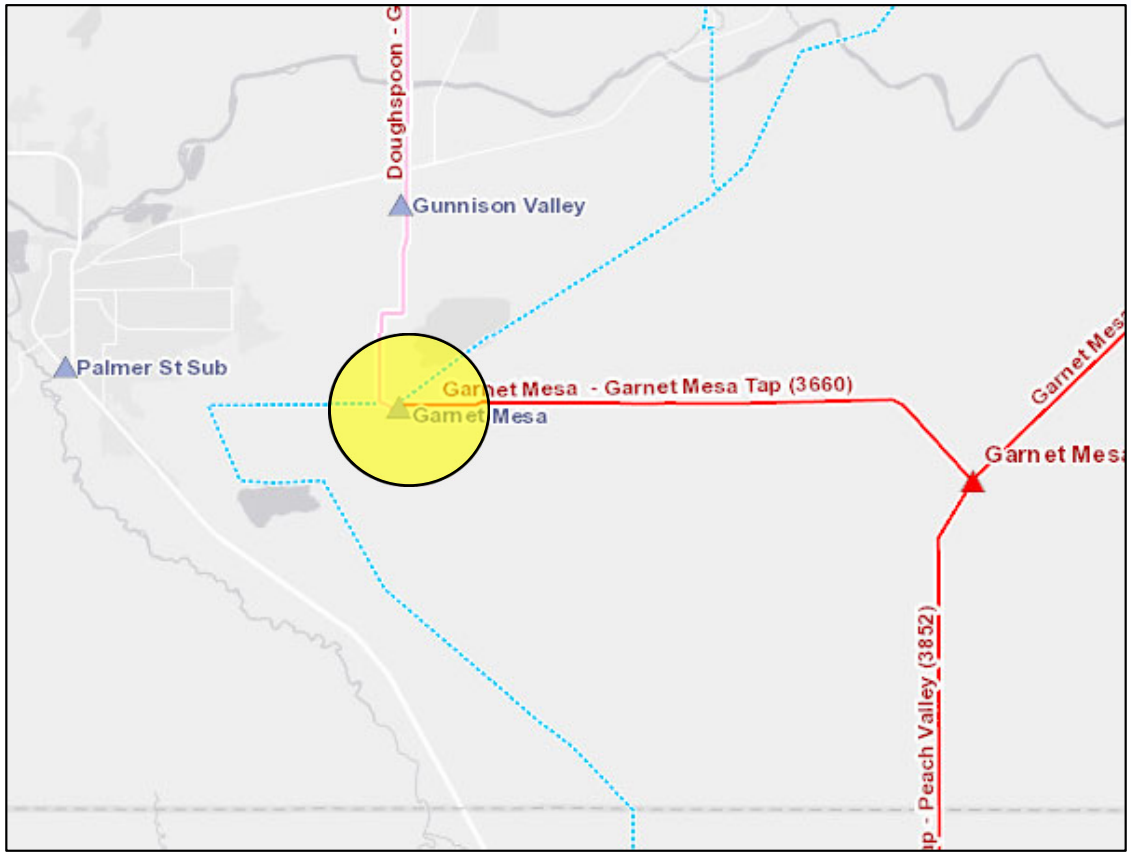


Fuller T2 Project

Description:	Add a second 230/115kV transformer at CSU's Jackson Fuller substation
Voltage:	230/115 kV
Length:	0 miles
Type:	Substation
Status:	Under Construction
Planned ISD:	2022
Purpose:	Reliability

Garnet Mesa Solar Interconnect

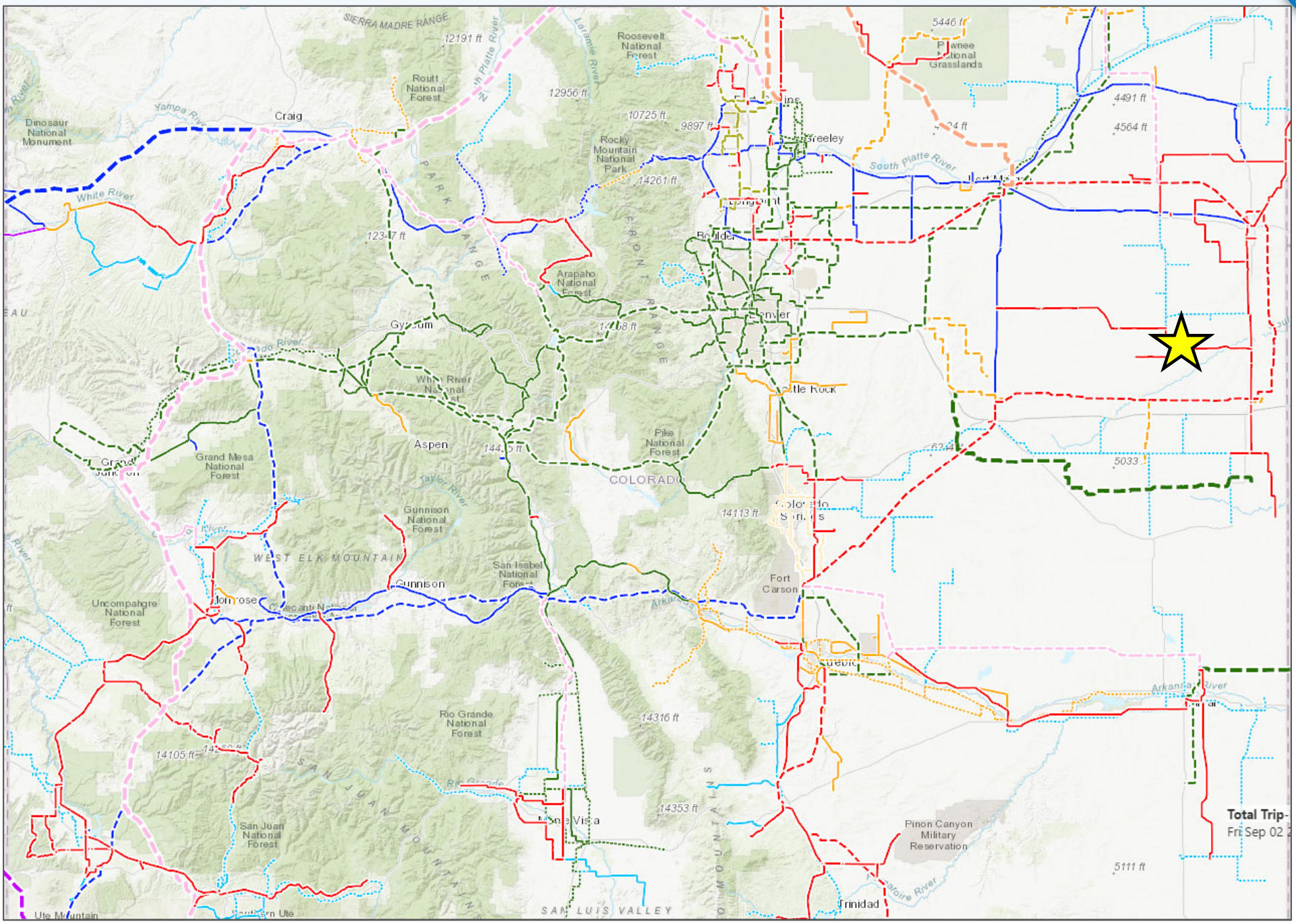


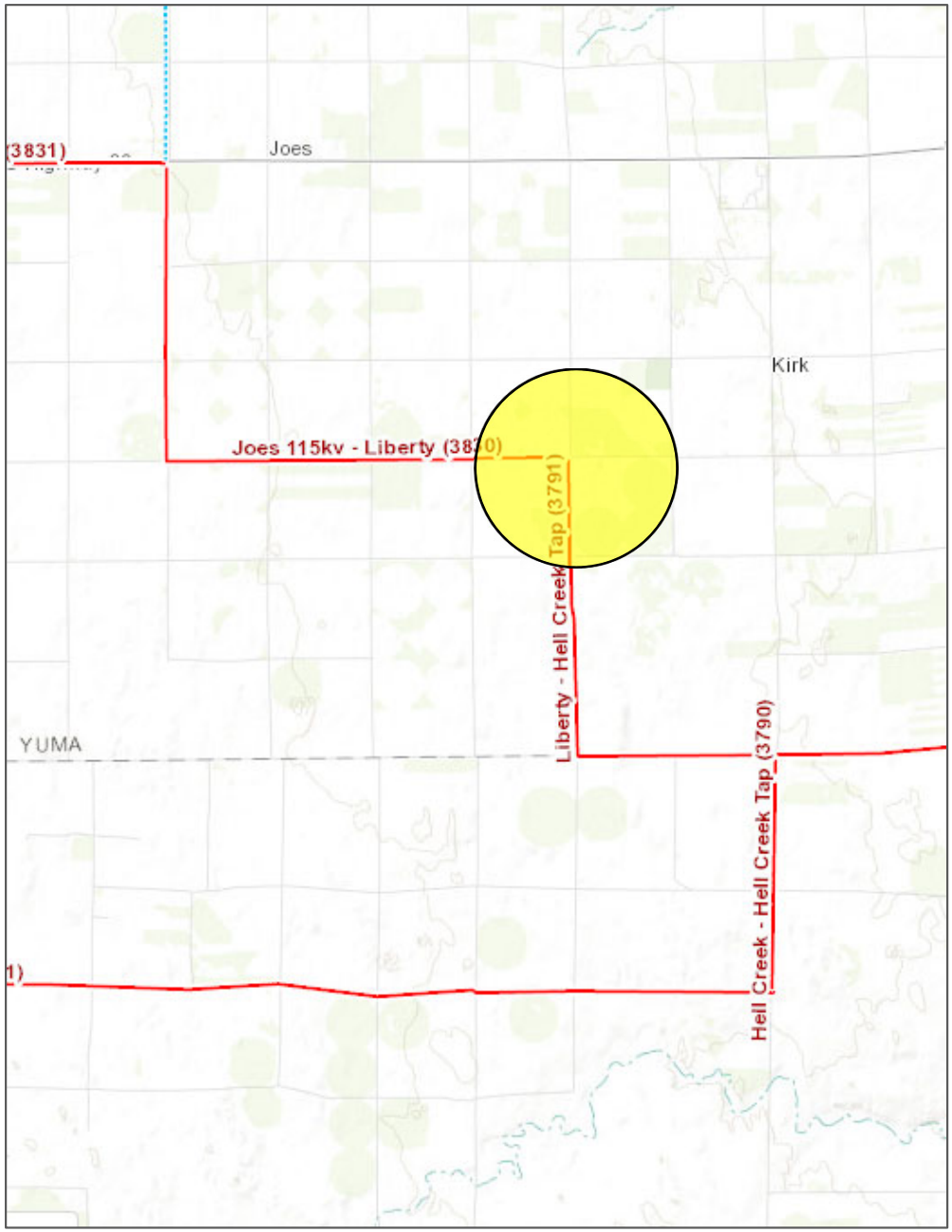


Garnet Mesa Solar Interconnect

Description:	Construct a 115 kV line bay at the existing Garnet Mesa Substation to accommodate solar interconnection
Voltage:	115 kV
Length:	0 miles
Type:	Substation
Status:	Planned
Planned ISD:	2024
Purpose:	Generation Addition

Hell Creek Tap – Liberty 115 kV Meter Bypass/Removal

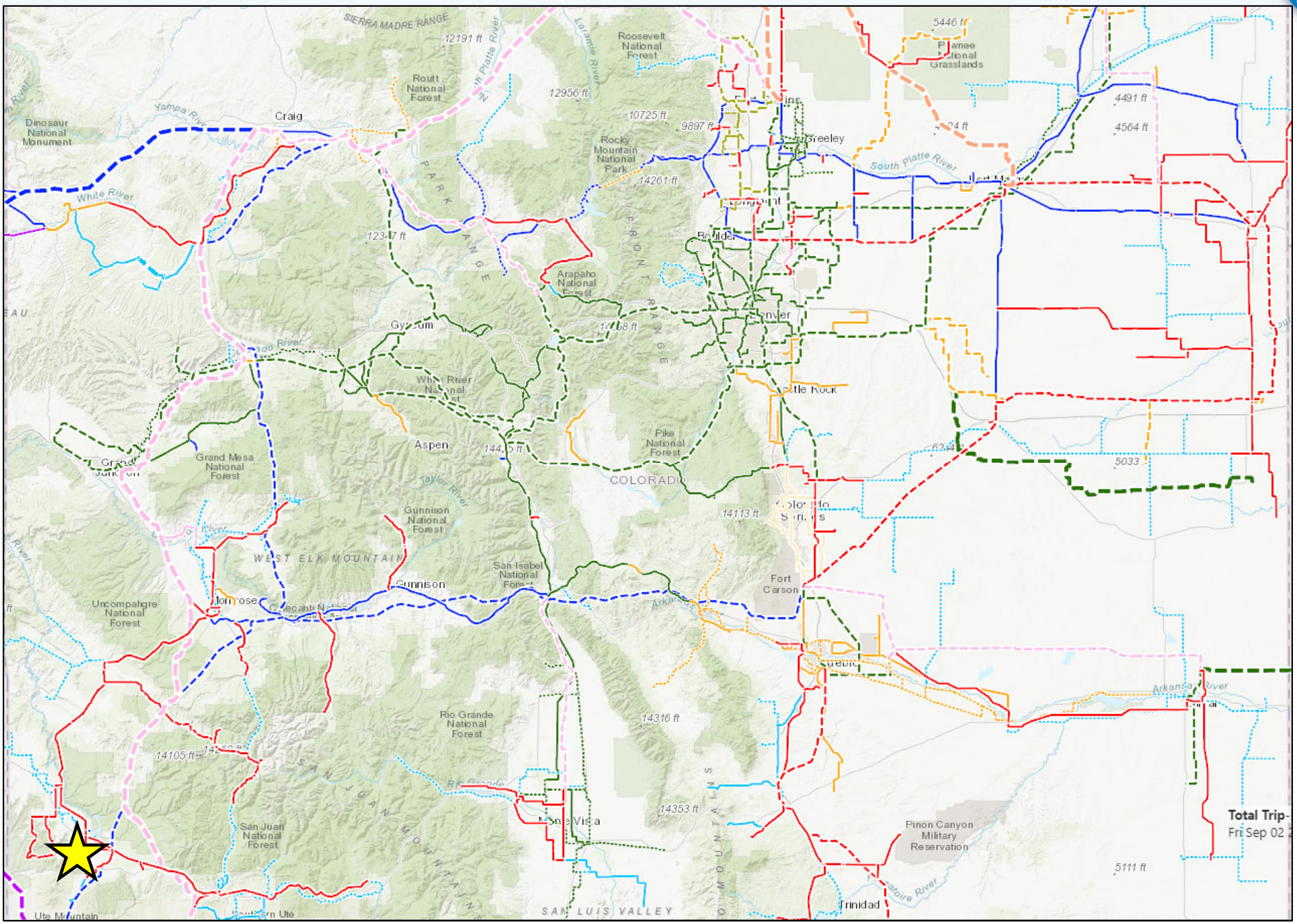


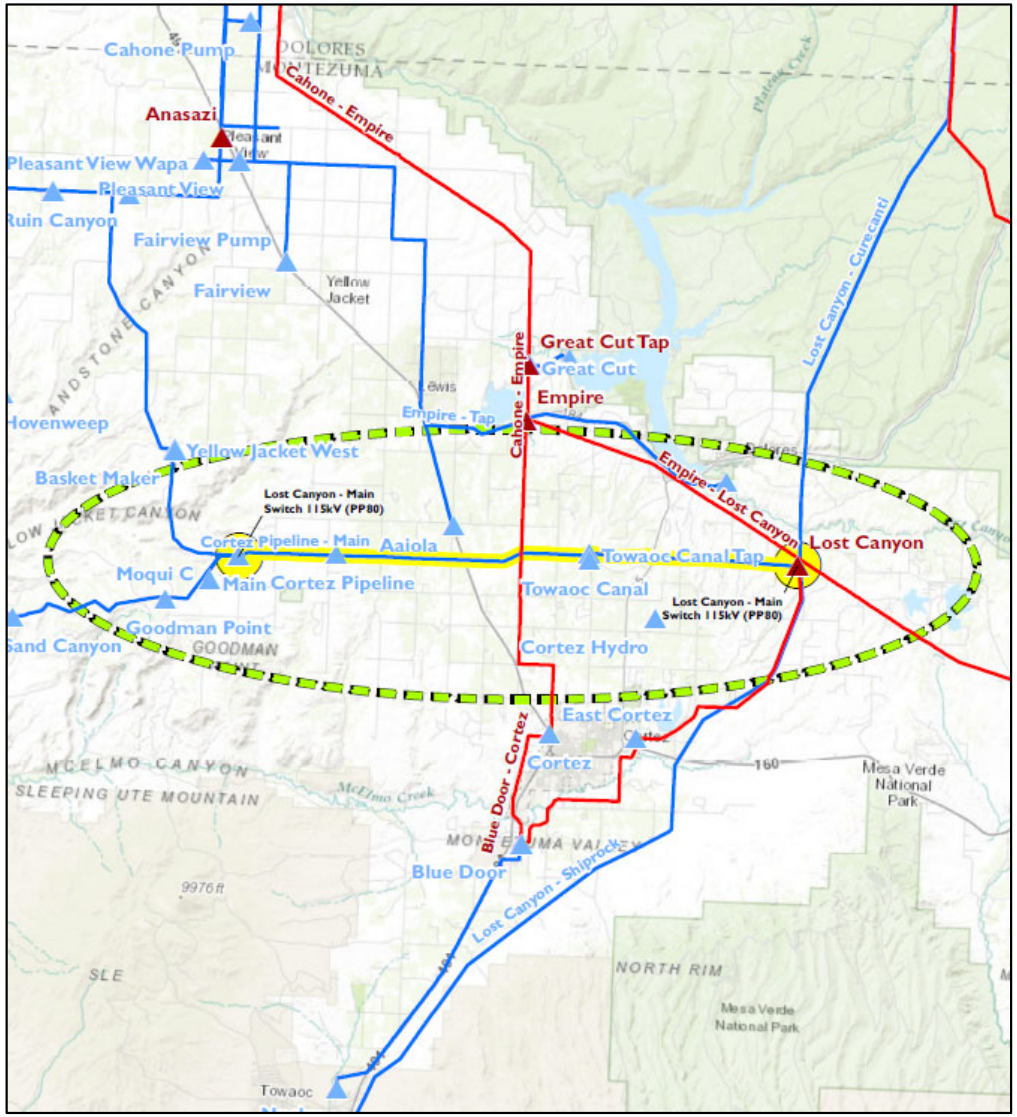


Hell Creek Tap – Liberty 115 kV Meter Bypass/Removal

Description:	Bypass or remove revenue meter at Liberty Substation
Voltage:	115 kV
Length	0 miles
Type:	Substation
Status:	Planned
Planned ISD:	2025
Purpose:	Increase overall line rating

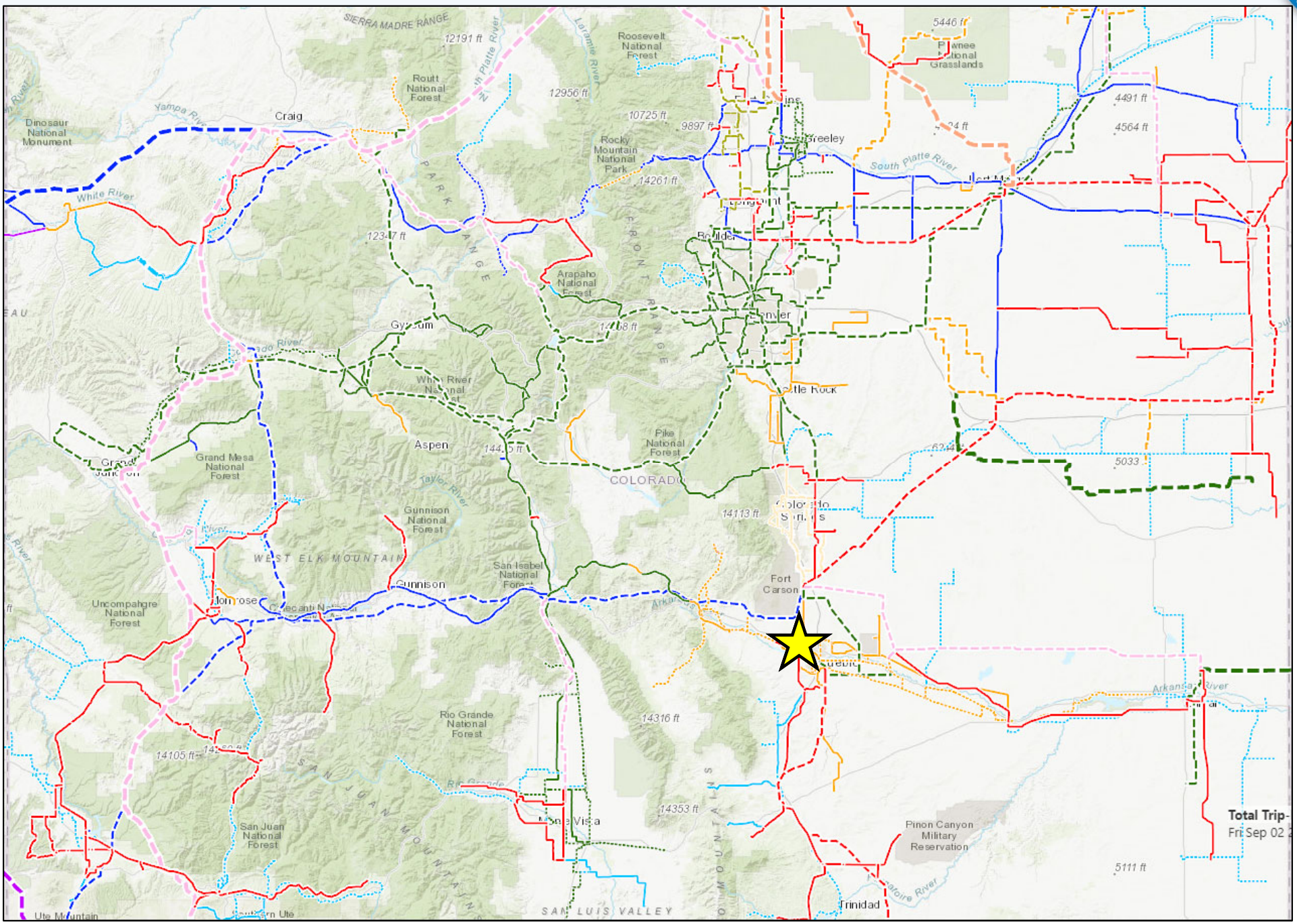
Lost Canyon – Main Switch 115 kV Line

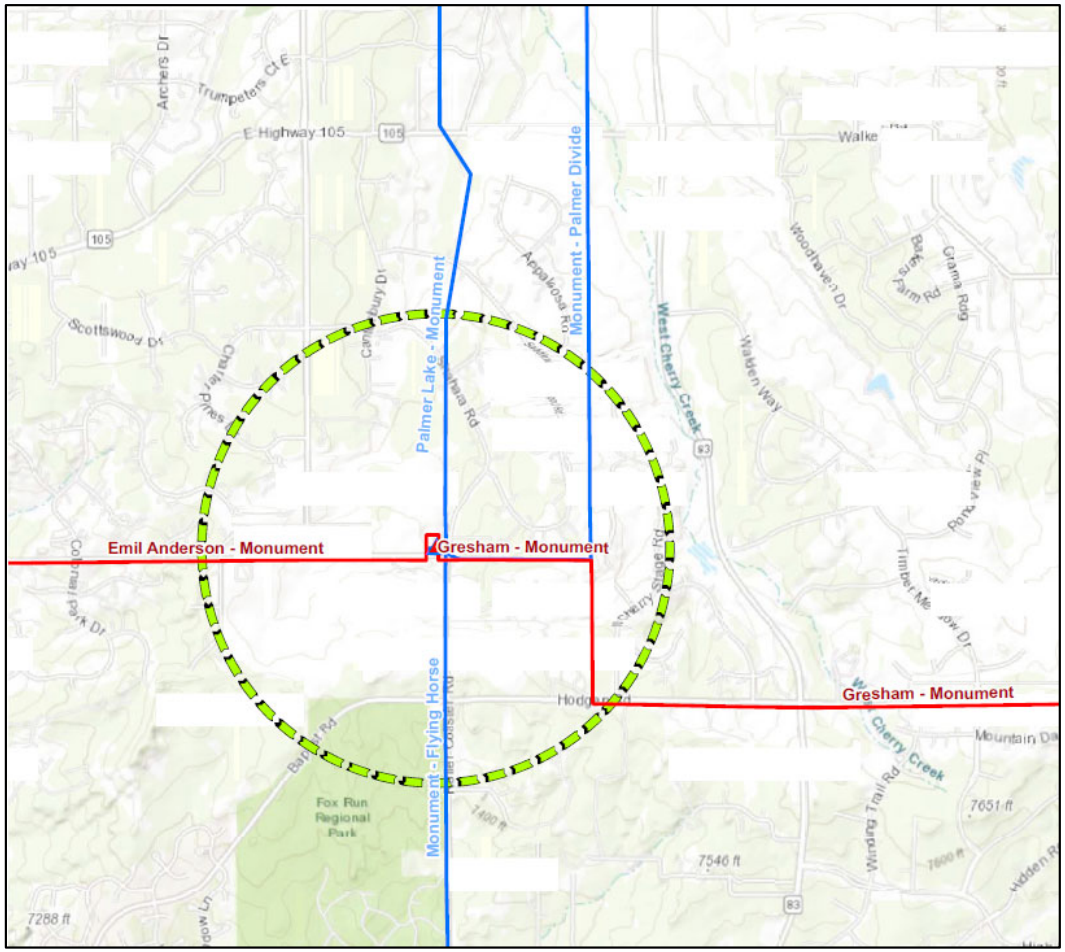




Lost Canyon – Main Switch 115 kV Line	
Description:	Construct a 115 kV transmission line from the existing Main Switch Substation to the existing Lost Canyon Substation.
Voltage:	115 kV
Length:	16 miles
Type:	Line
Status:	Conceptual
Planned ISD:	TBD
Purpose:	Load Serving; Generation Accommodation

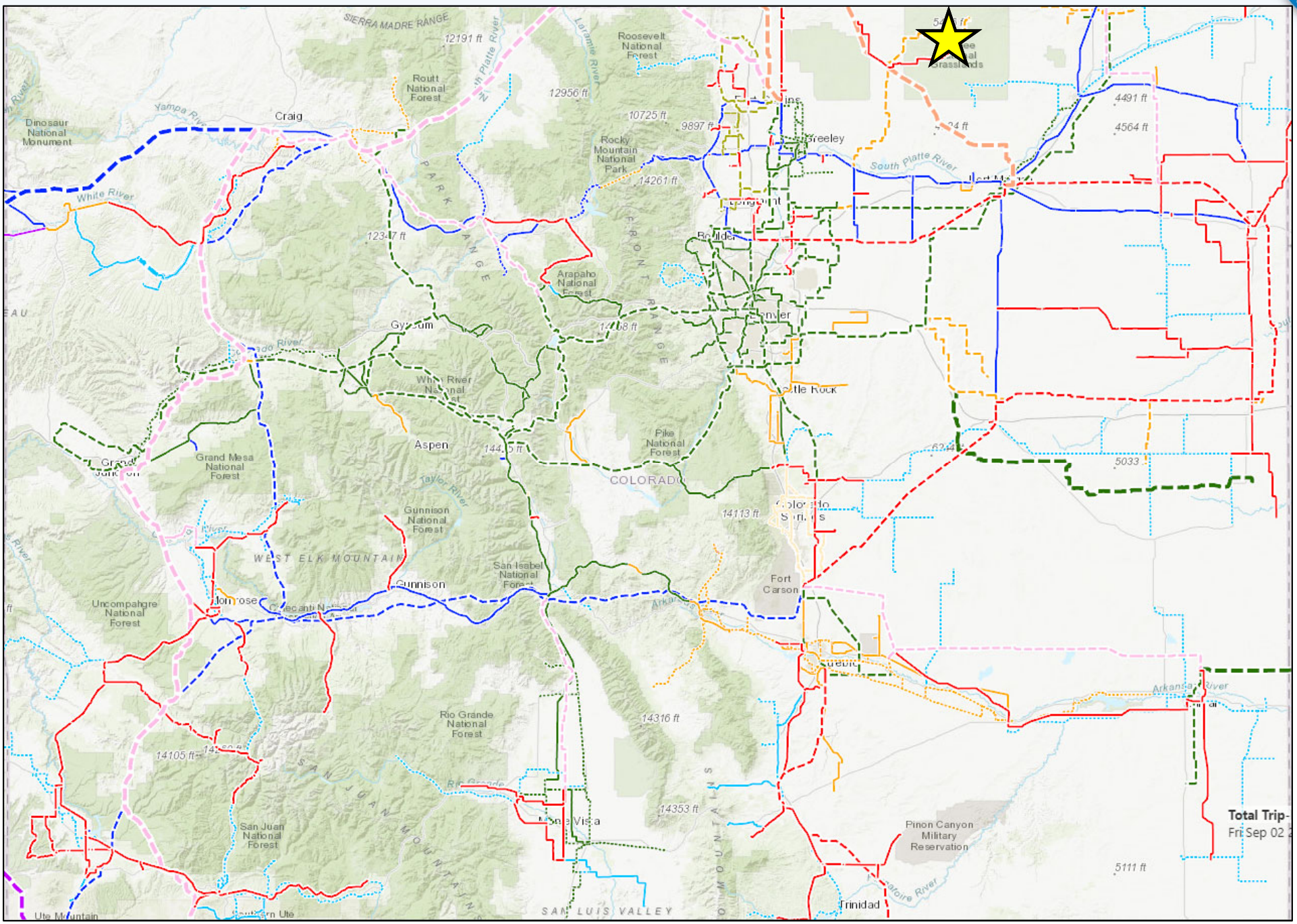
Monument – Substation Improvements

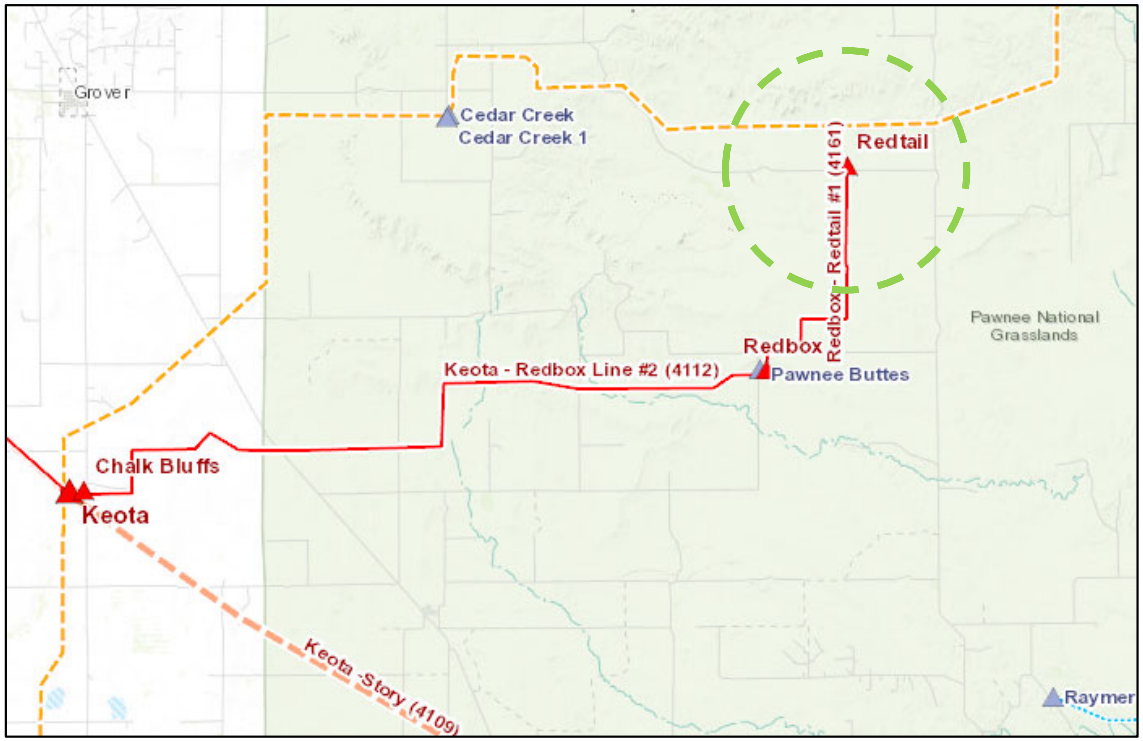




Monument – Substation Improvements	
Description:	Redesign substation to an eight-position breaker-and-a-half design. Replace 69/12.47kV distribution transformers with 115/12.47kV distribution transformers. Relocate existing 115/69kV and 115/67kV transformer to new yard called Fox Run Substation.
Voltage:	115/69/12.47 kV
Current:	Star Bus
New:	Breaker-and-a-half
Status:	Under Construction
Planned ISD:	2024
Purpose:	Load Serving/Reliability/Area Capacity

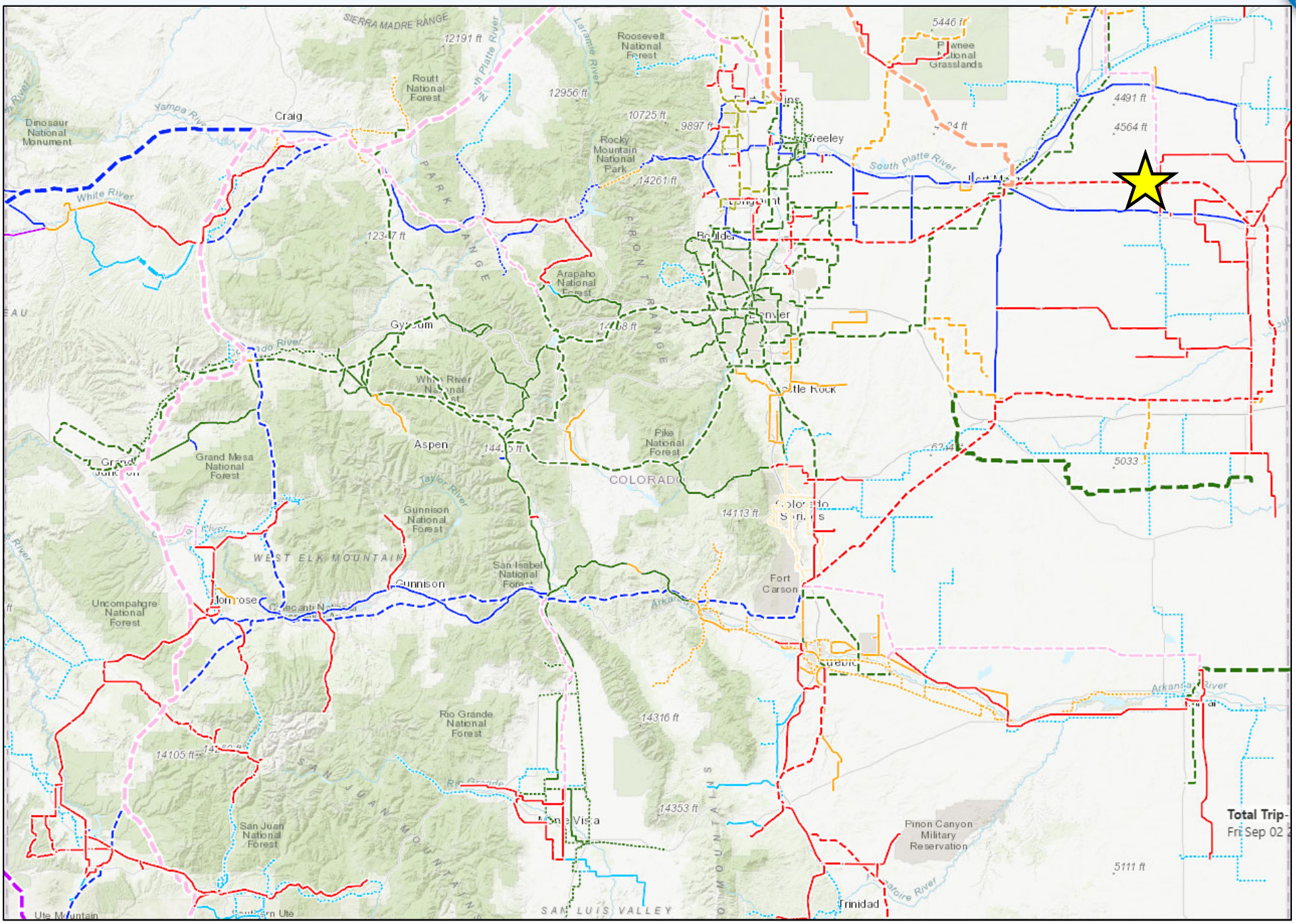
Panorama Point Wind Interconnect

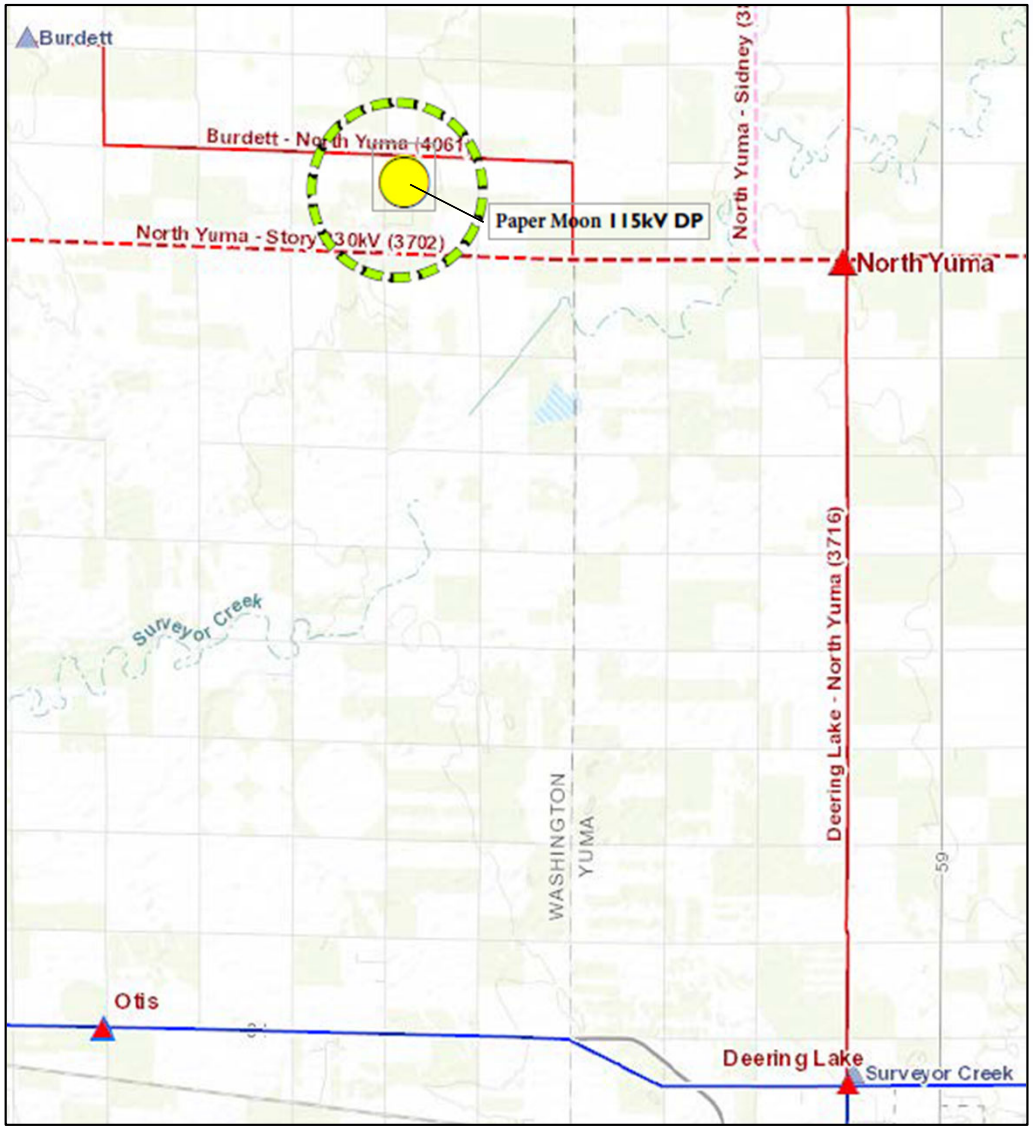




Panorama Point Wind Interconnect	
Description:	Construct a 115 kV line bay at the existing Redtail Substation to accommodate wind interconnection
Voltage:	115 kV
Type:	Substation
Status:	Energized
ISD:	2022
Purpose:	Generation Addition

Paper Moon 115 kV DP

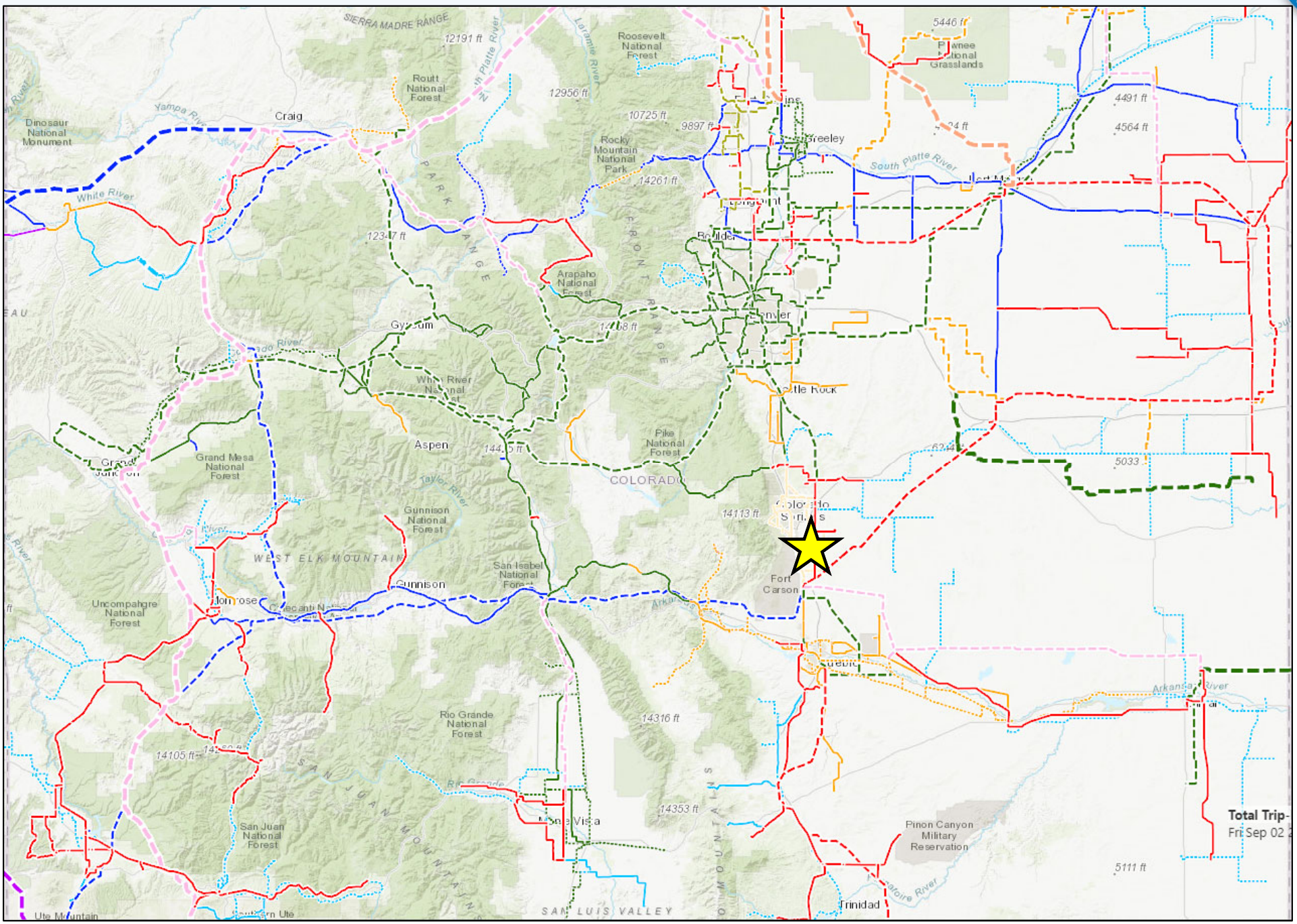


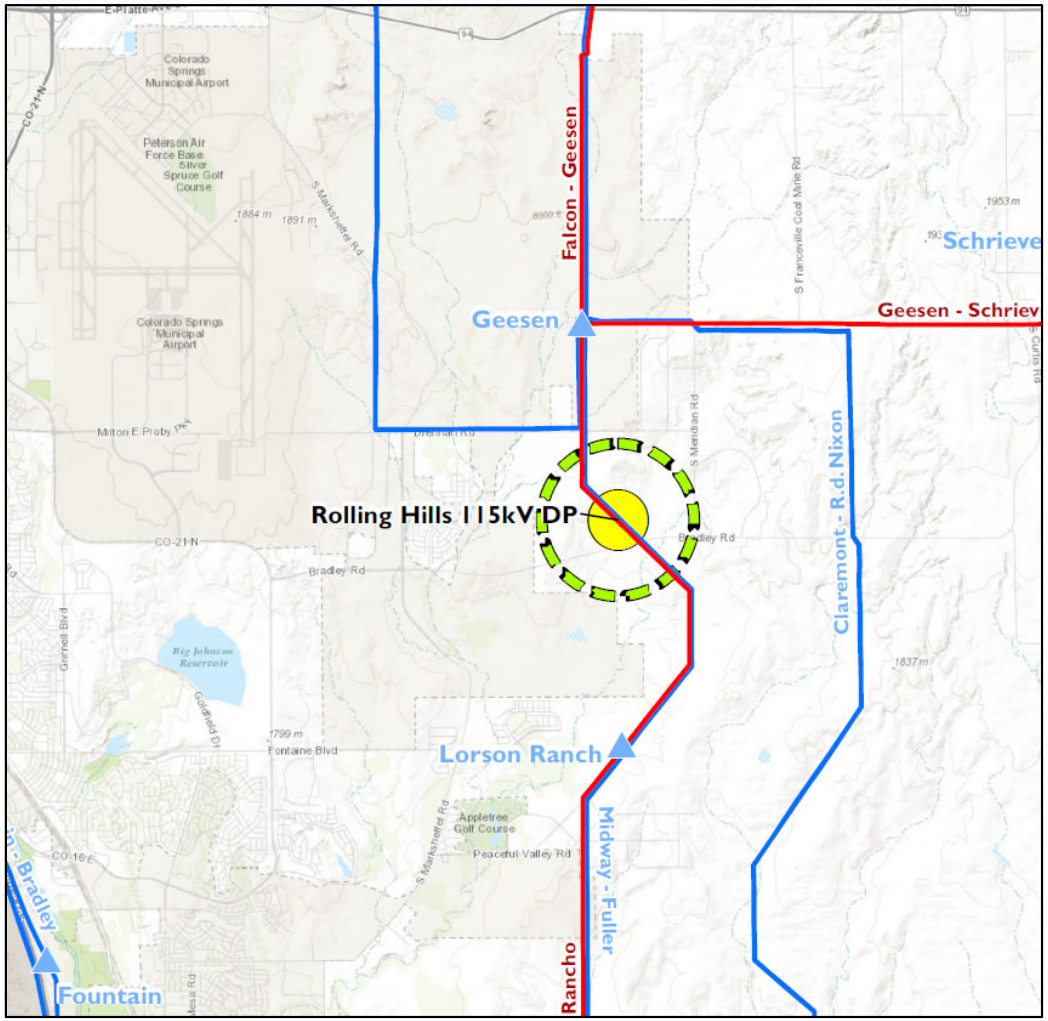


Paper Moon 115 kV DP

Description:	Establish a new 115 kV DP for YWEA. Scope of project includes tapping 115 kV Burdett-North Yuma Transmission Line, 115 kV circuit switcher, 115/12.47kV 10 MVA transformer, metering equipment and low side equipment.
Voltage:	115 kV
Type:	Substation
Status:	Under Construction
ISD:	2022
Purpose:	Load Serving

Rolling Meadows 115 kV Delivery Point

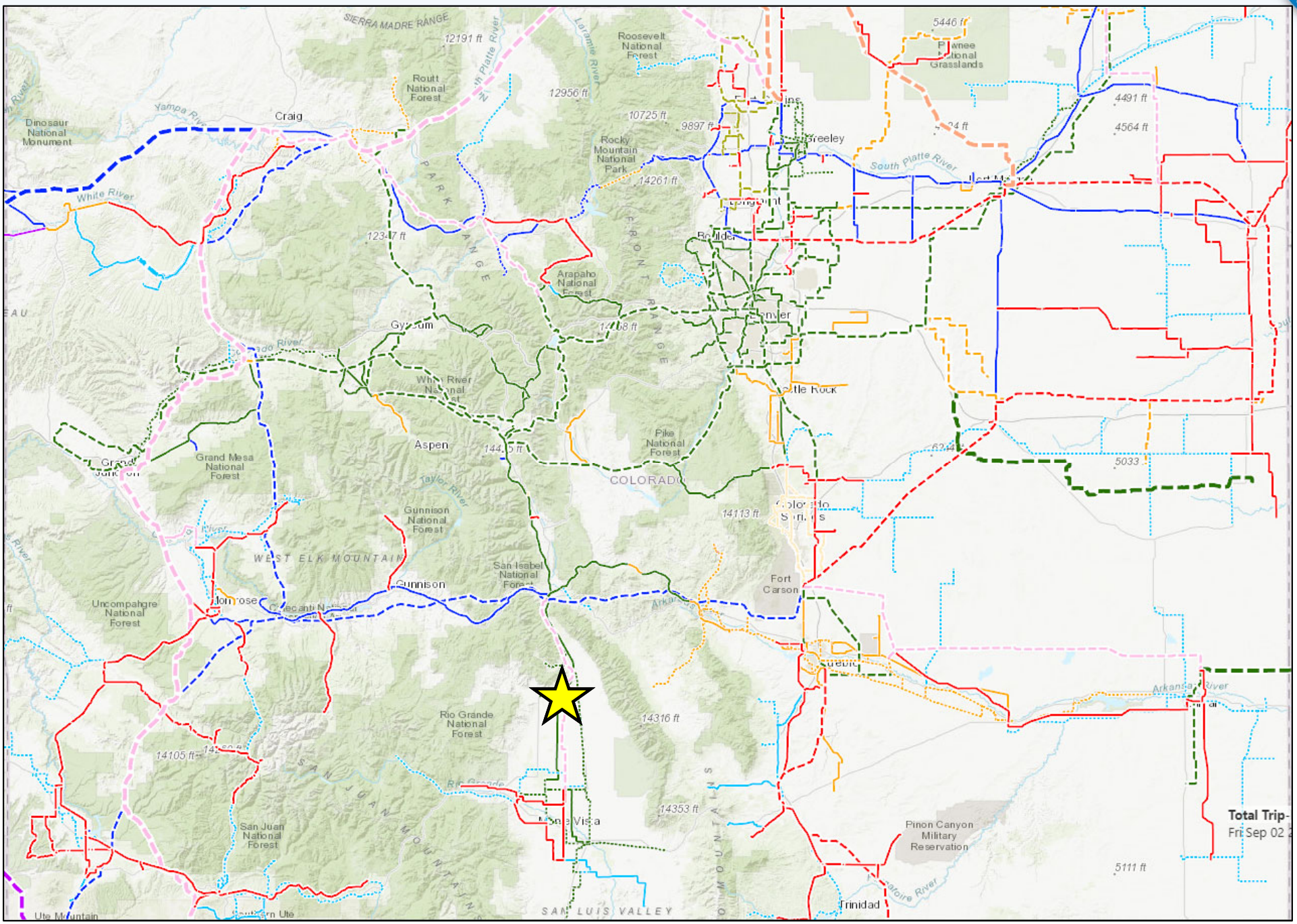


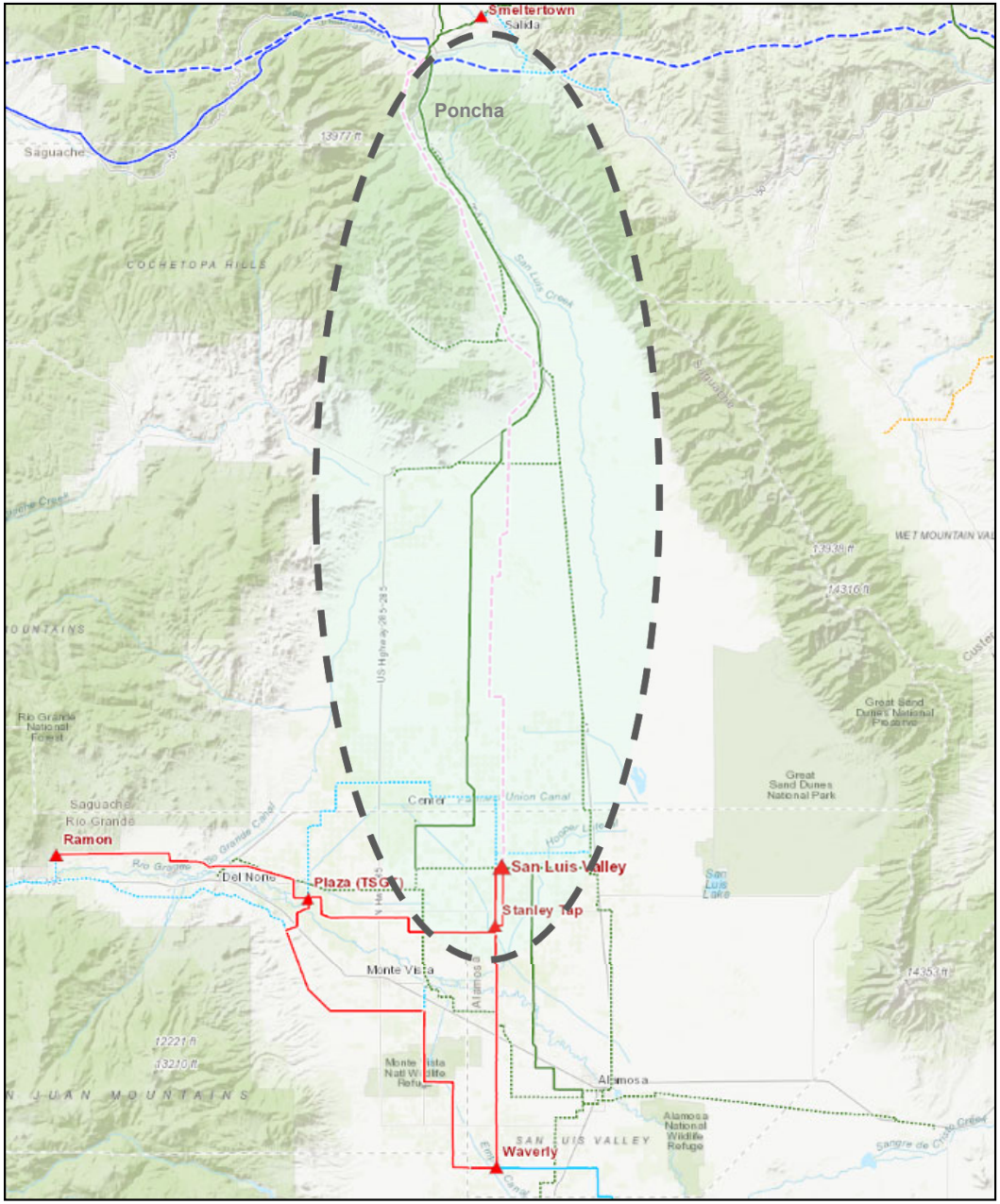


Rolling Meadows 115 kV Delivery Point

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:	0
Type:	Substation
Status:	Planned
Planned ISD:	2025
Purpose:	Load Serving

San Luis Valley – Poncha 230 kV Project

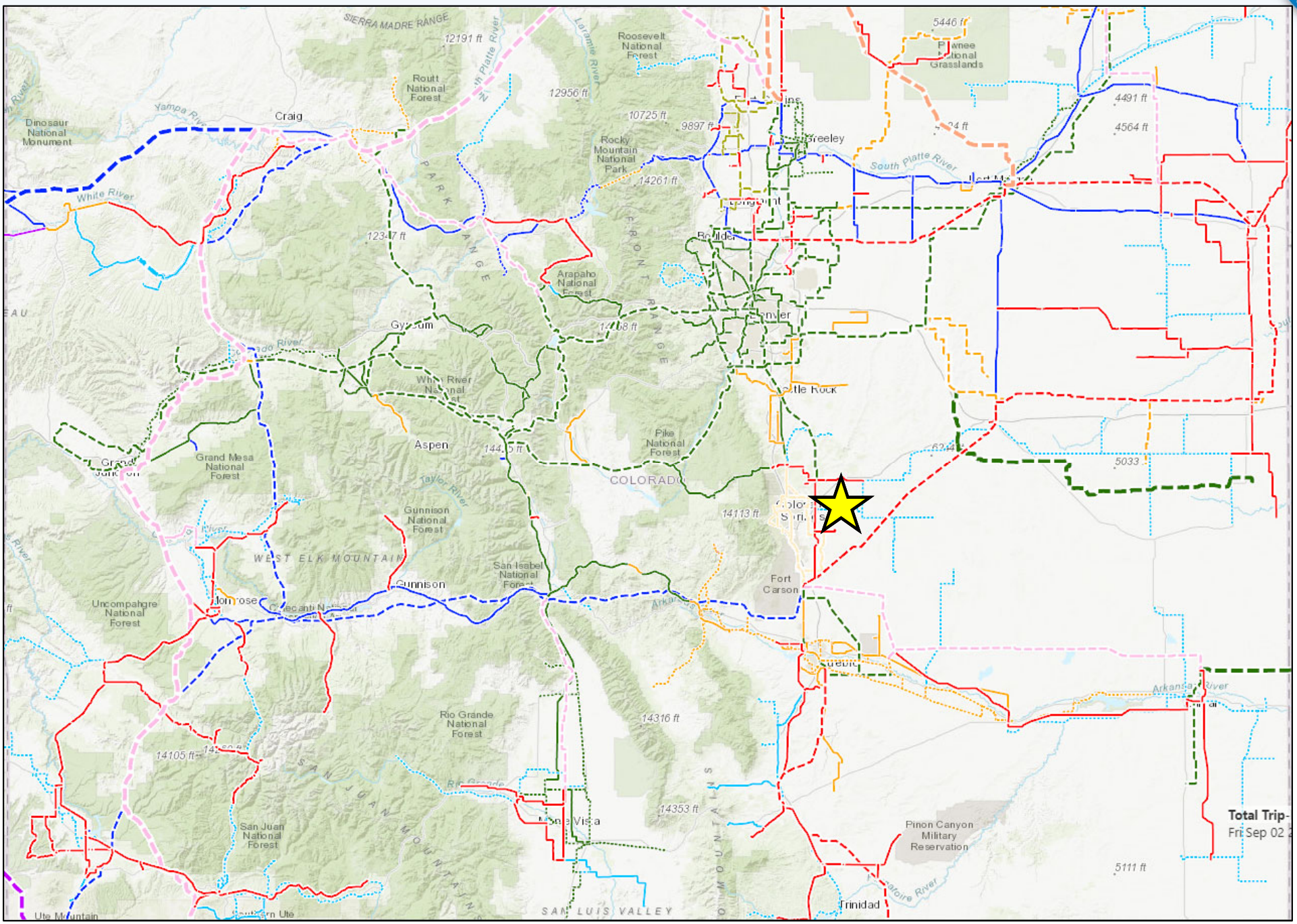


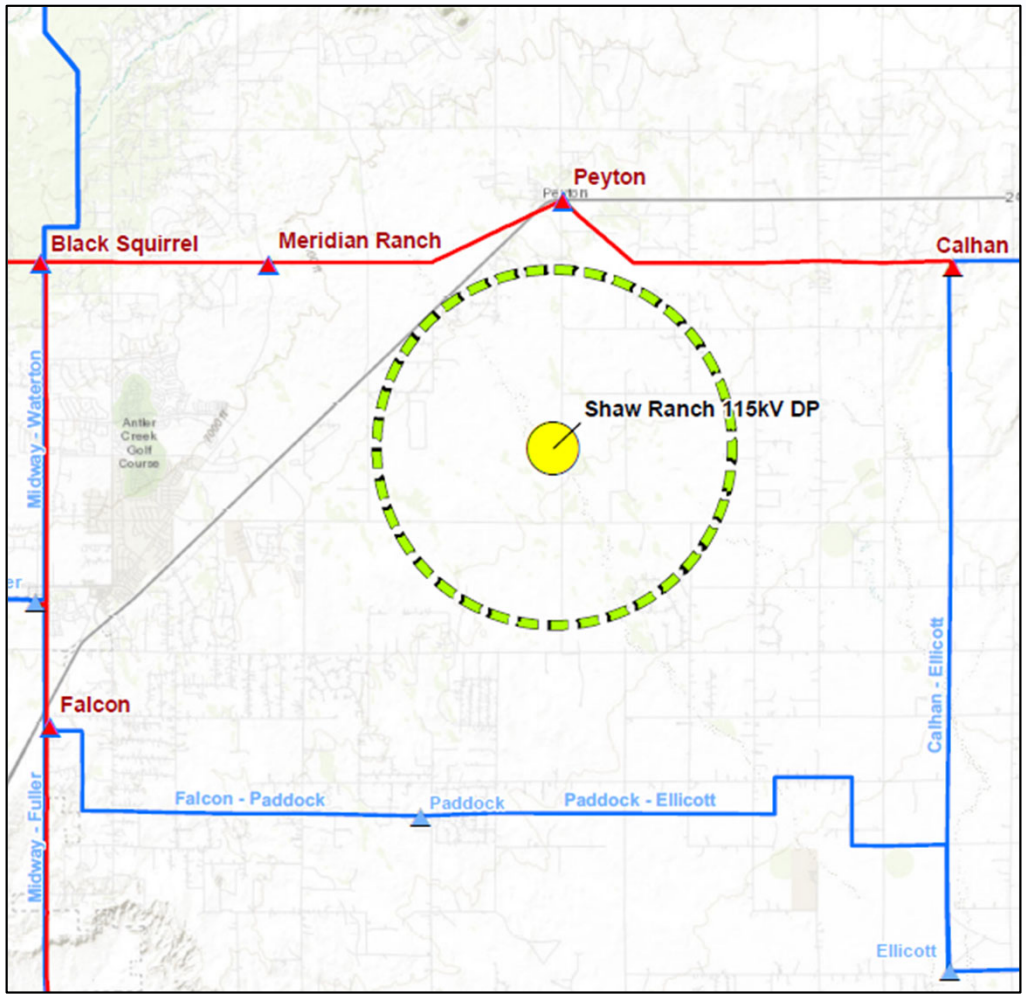


San Luis Valley – Poncha 230 kV Project

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:	Re-development
Planned ISD:	TBD
Purpose:	Reliability.

Shaw Ranch 115 kV Substation

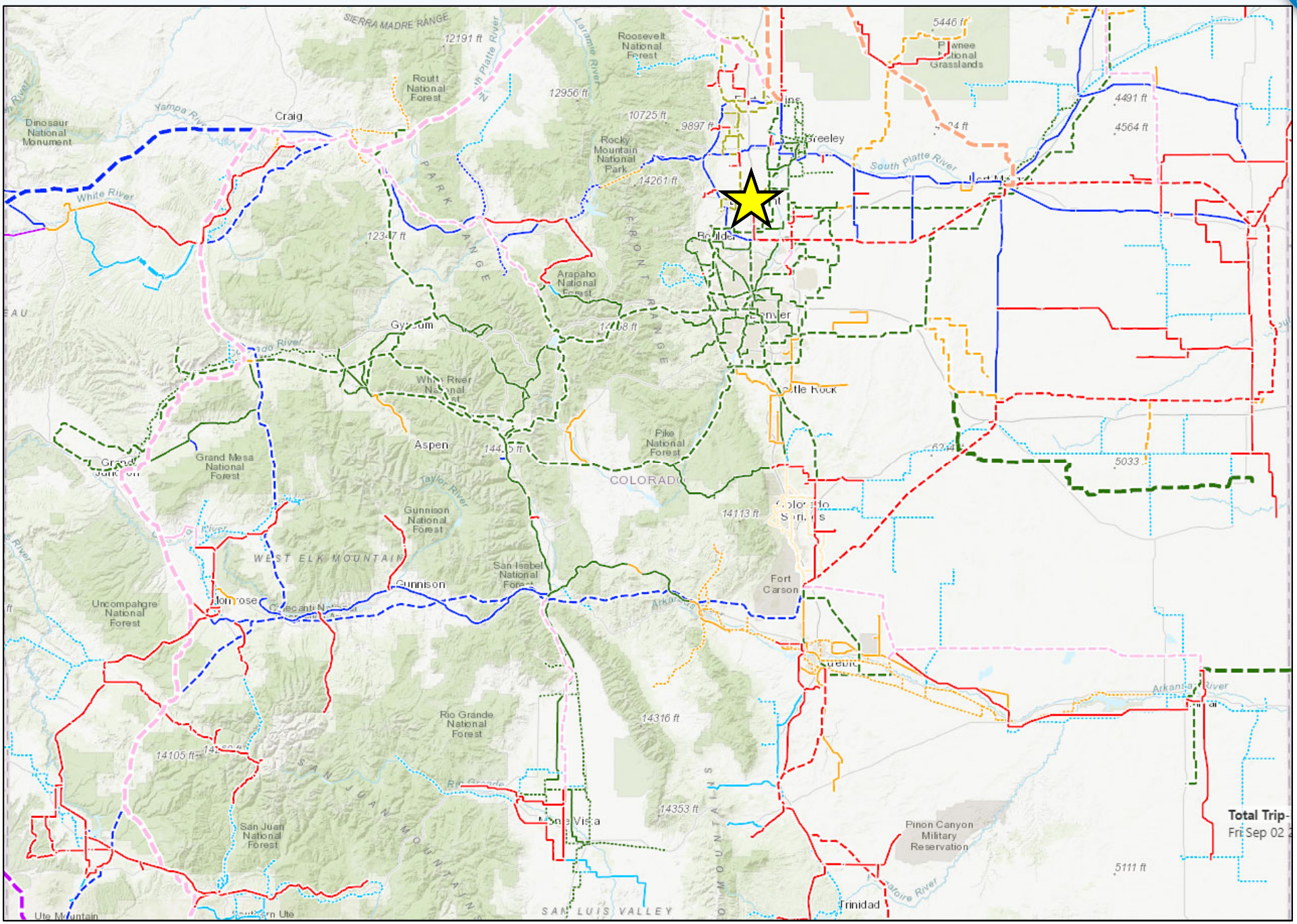


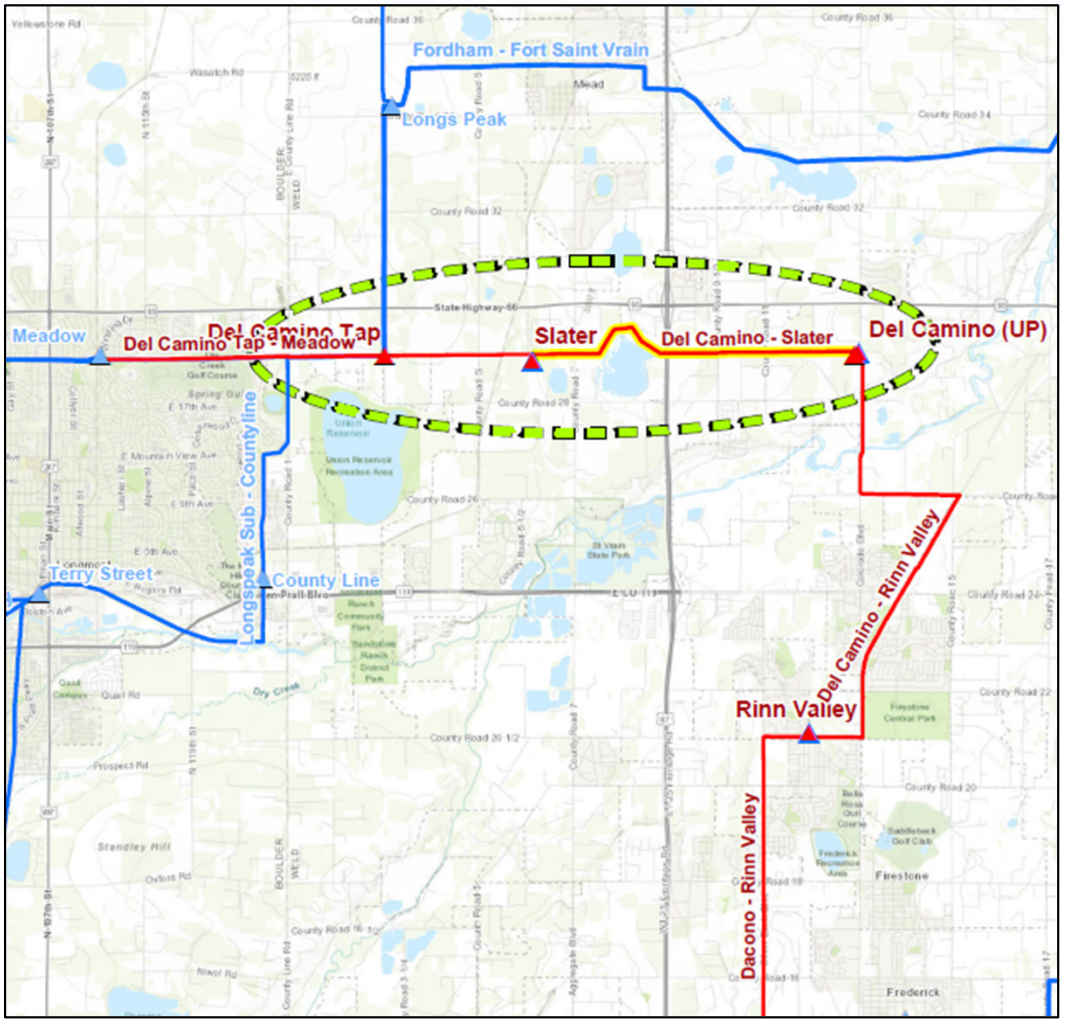


Shaw Ranch 115 kV Substation

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:	Planned
Planned ISD:	2026
Purpose:	Load Serving

Slater – Del Camino Line Uprate

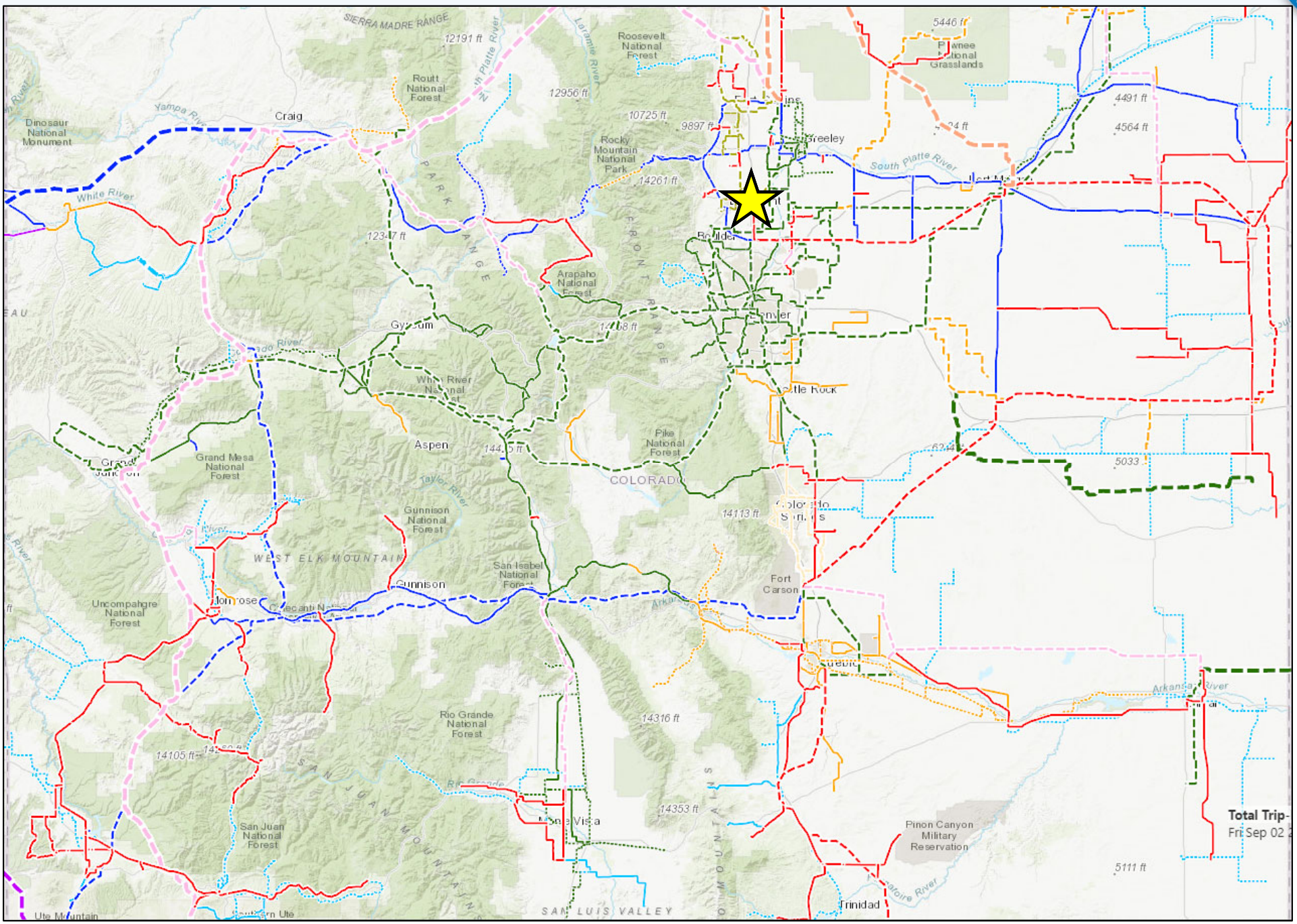


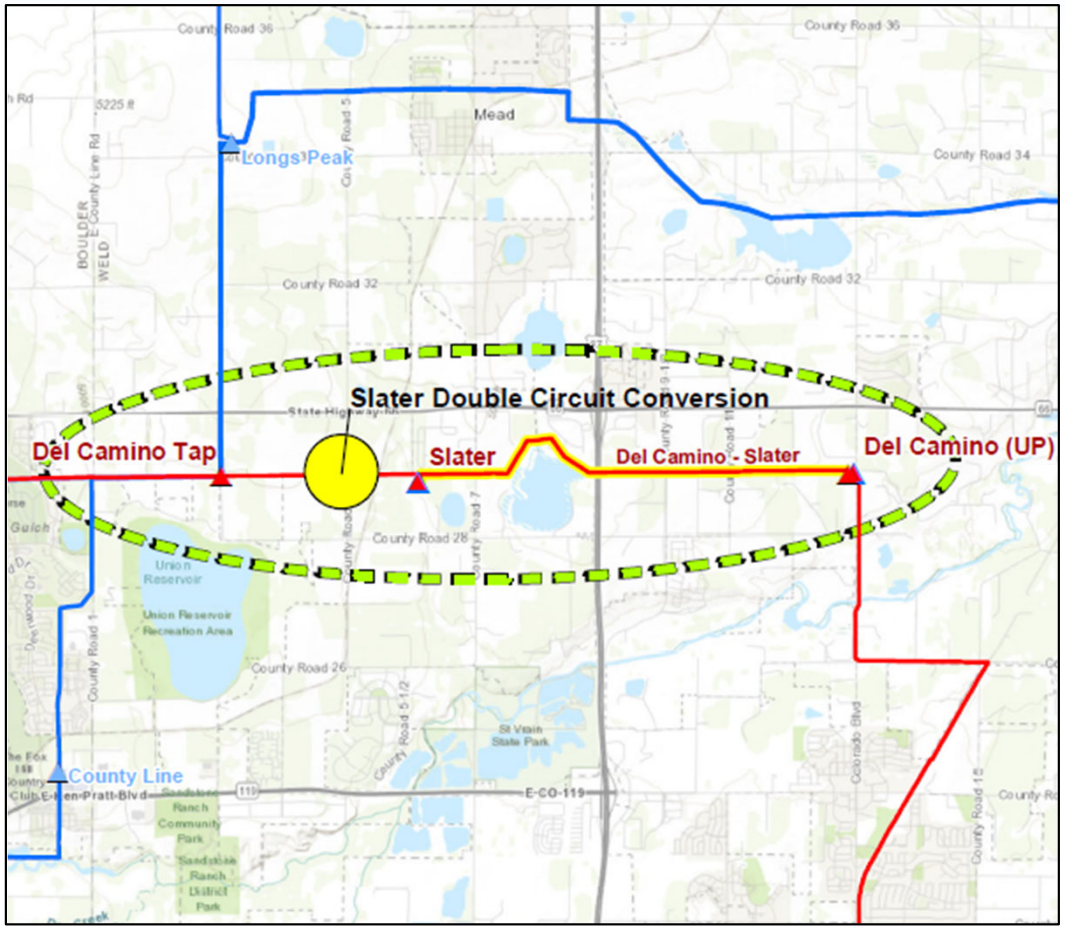


Slater – Del Camino Line Uprate

Description:	Uprate Slater – Del Camino line to increase capacity by replacing conductor and poles where needed.
Voltage:	115 kV
Length:	3.7 miles
Type:	Line
Status:	Energized
ISD:	2022
Purpose:	Load Serving

Slater Double Circuit Conversion

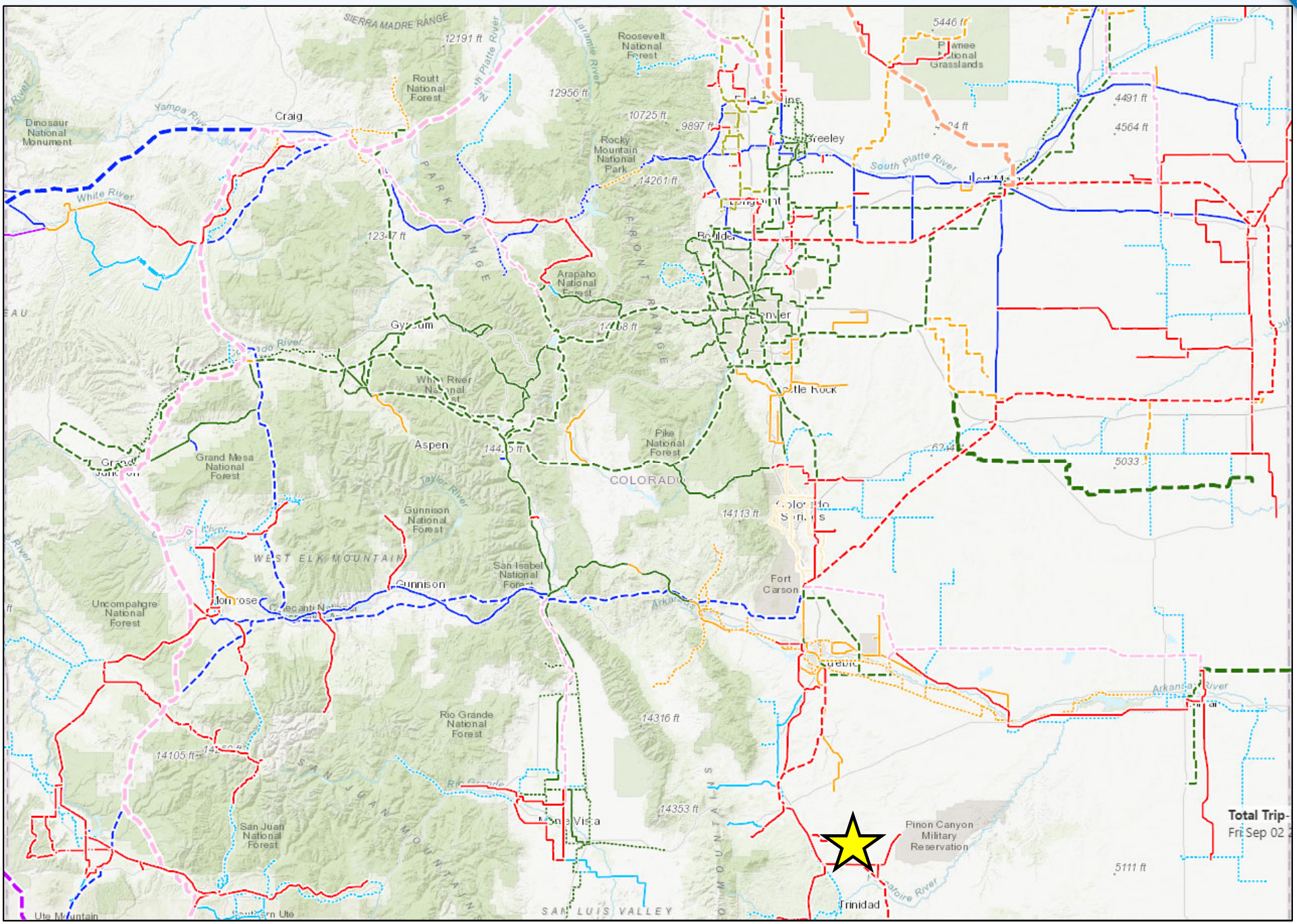


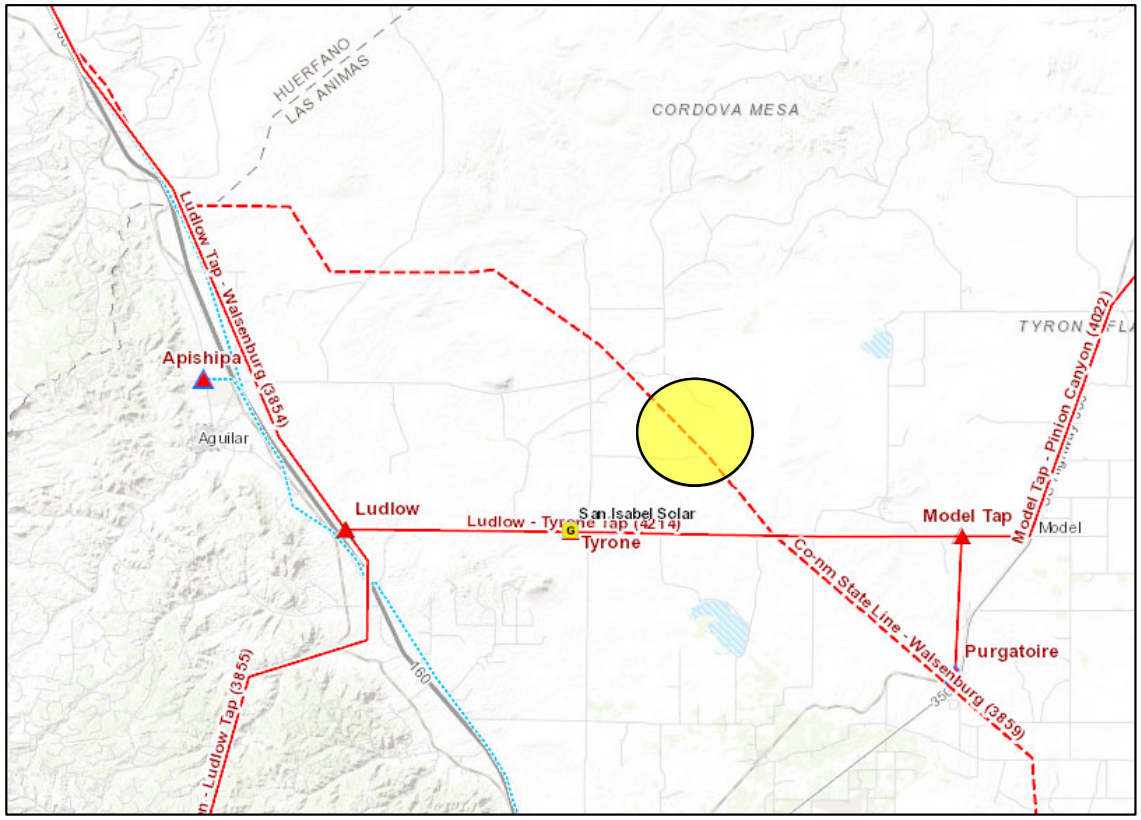


Slater Double Circuit Conversion

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:	Planned
Planned ISD:	2025
Purpose:	Load Serving, Reliability

Spanish Peaks Solar Interconnect

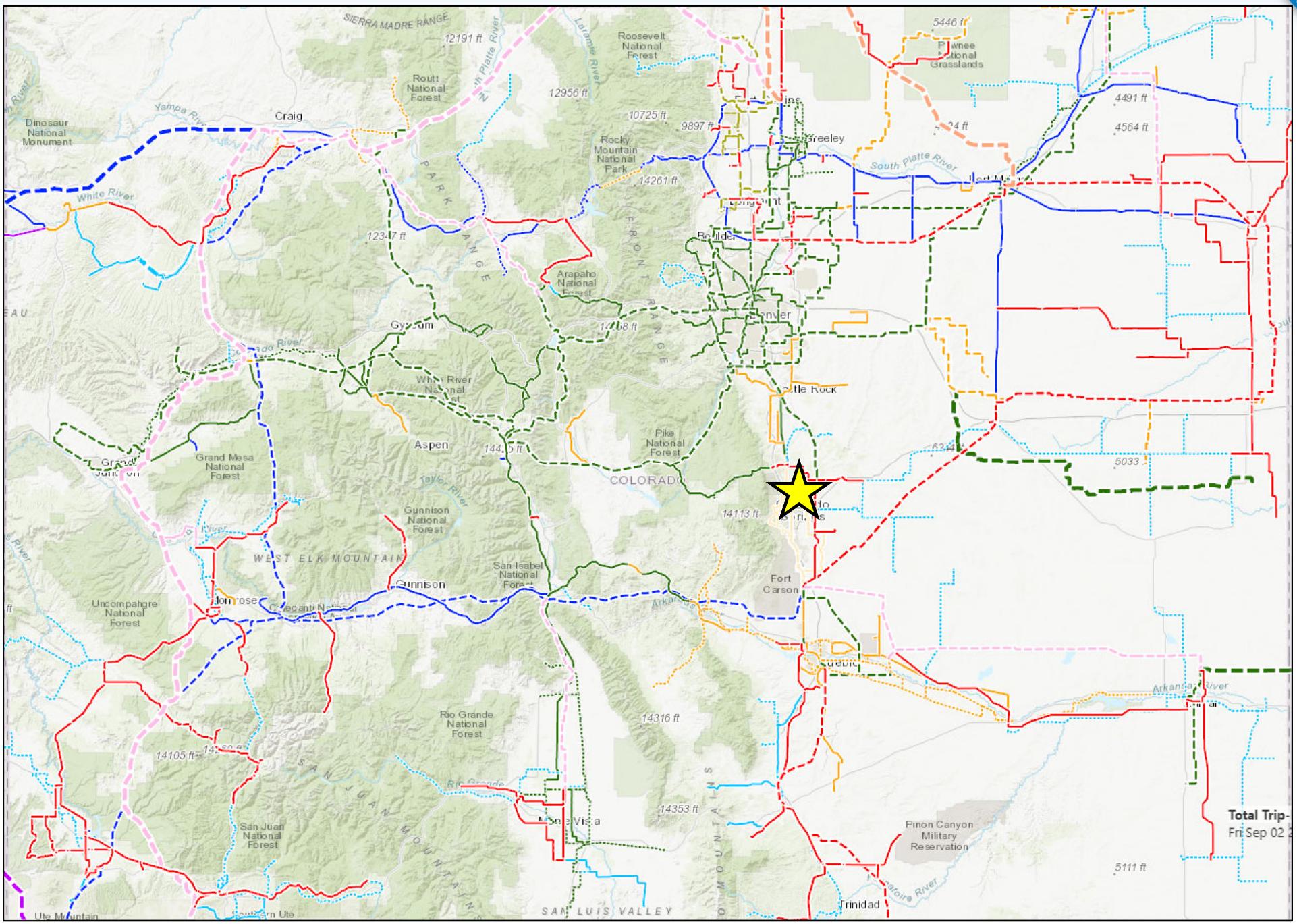


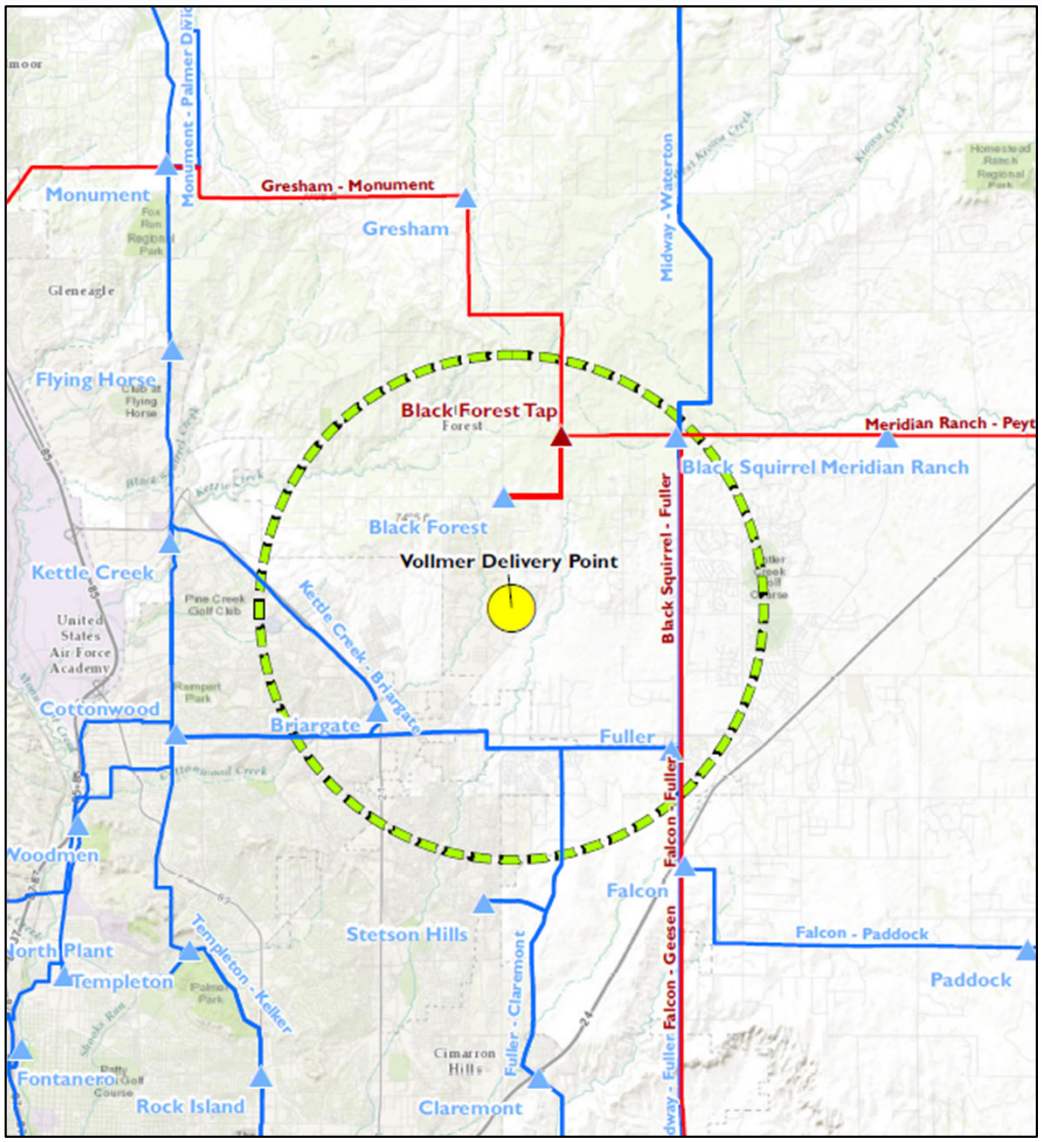


Spanish Peaks Solar Interconnect

Description:	Construct new 230 kV Valent Switching Station along Walsenburg – Gladstone 230 kV line to accommodate Spanish Peaks Solar
Voltage:	230 kV
Location	~28 Miles Southeast of Walsenburg
Type:	Substation
Status:	Under Construction
Planned ISD:	2024
Purpose:	Generation Addition

Vollmer 115 kV Substation

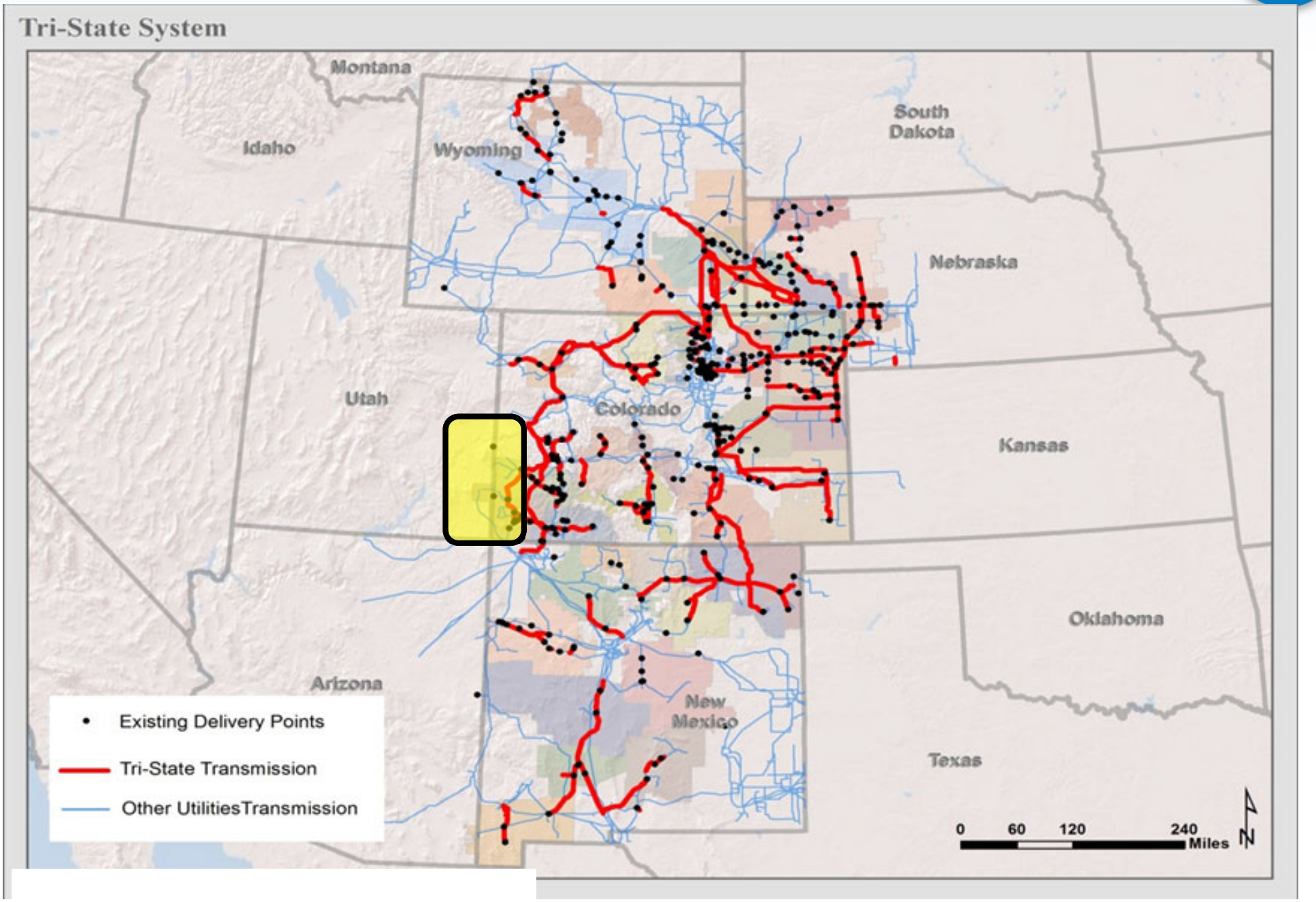




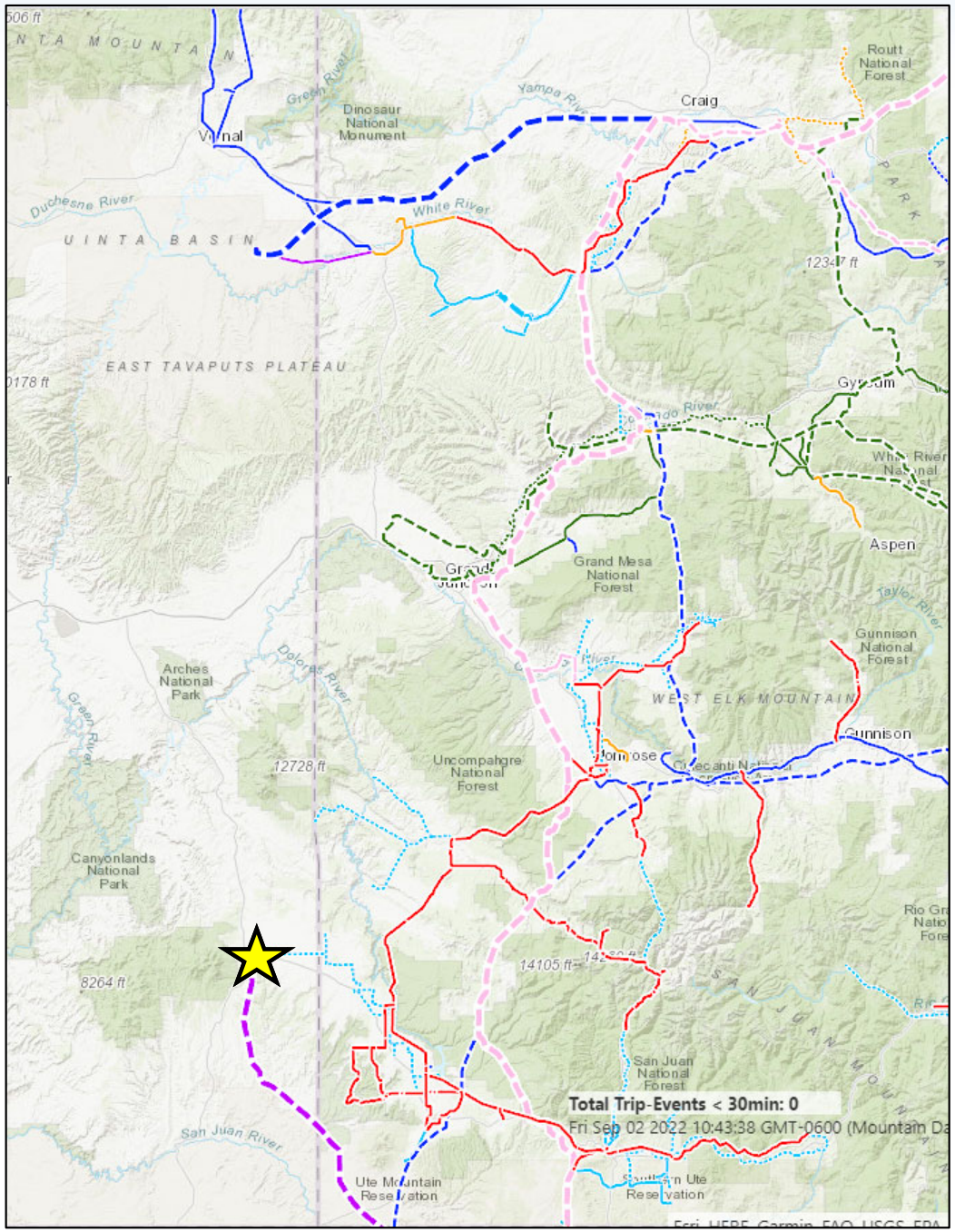
Vollmer 115 kV Substation

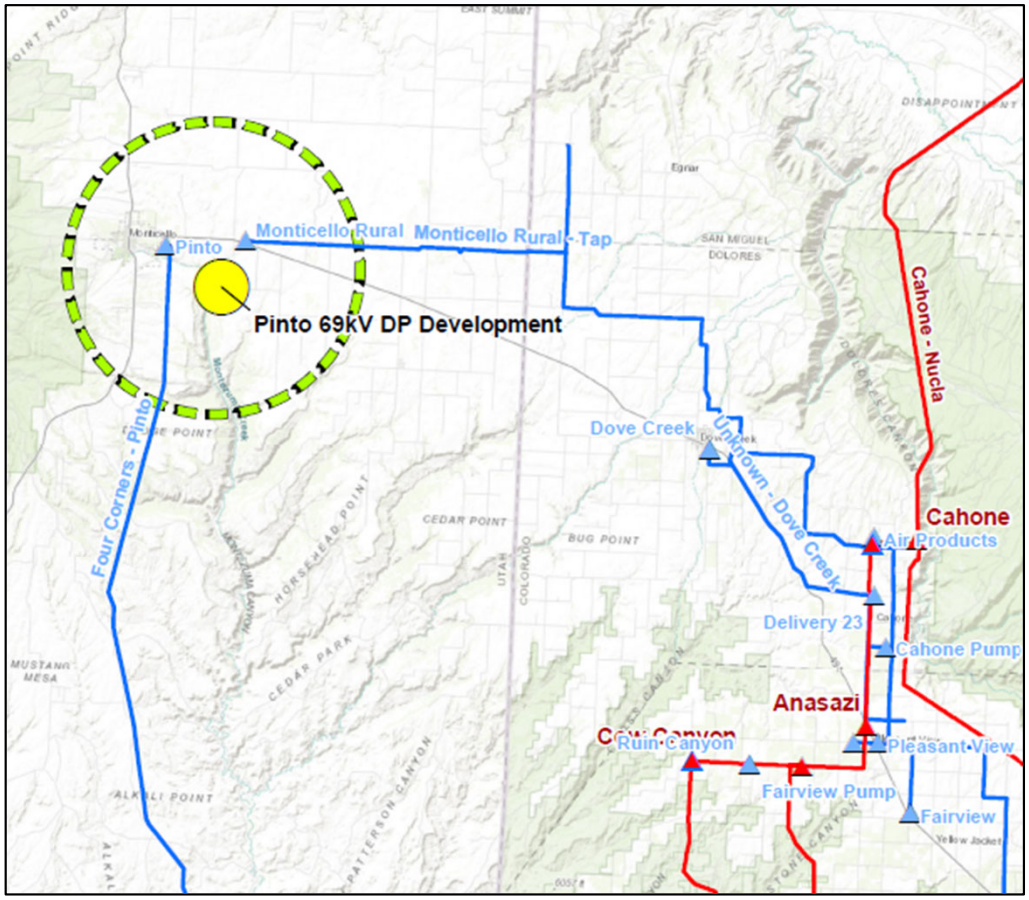
Description:	Extend a new 115 kV single circuit line approximately 2 miles on wood H frame structures from the existing 115 kV Jackson Fuller-Black Squirrel line to Vollmer. Construct new 115 kV Vollmer substation.
Voltage:	115/12.47 kV
Length:	2 miles
Type:	Line and Substation
Status:	Under Construction
ISD:	2022
Purpose:	Load Serving

Projects: Utah (1)



Pinto 69 kV Delivery Point

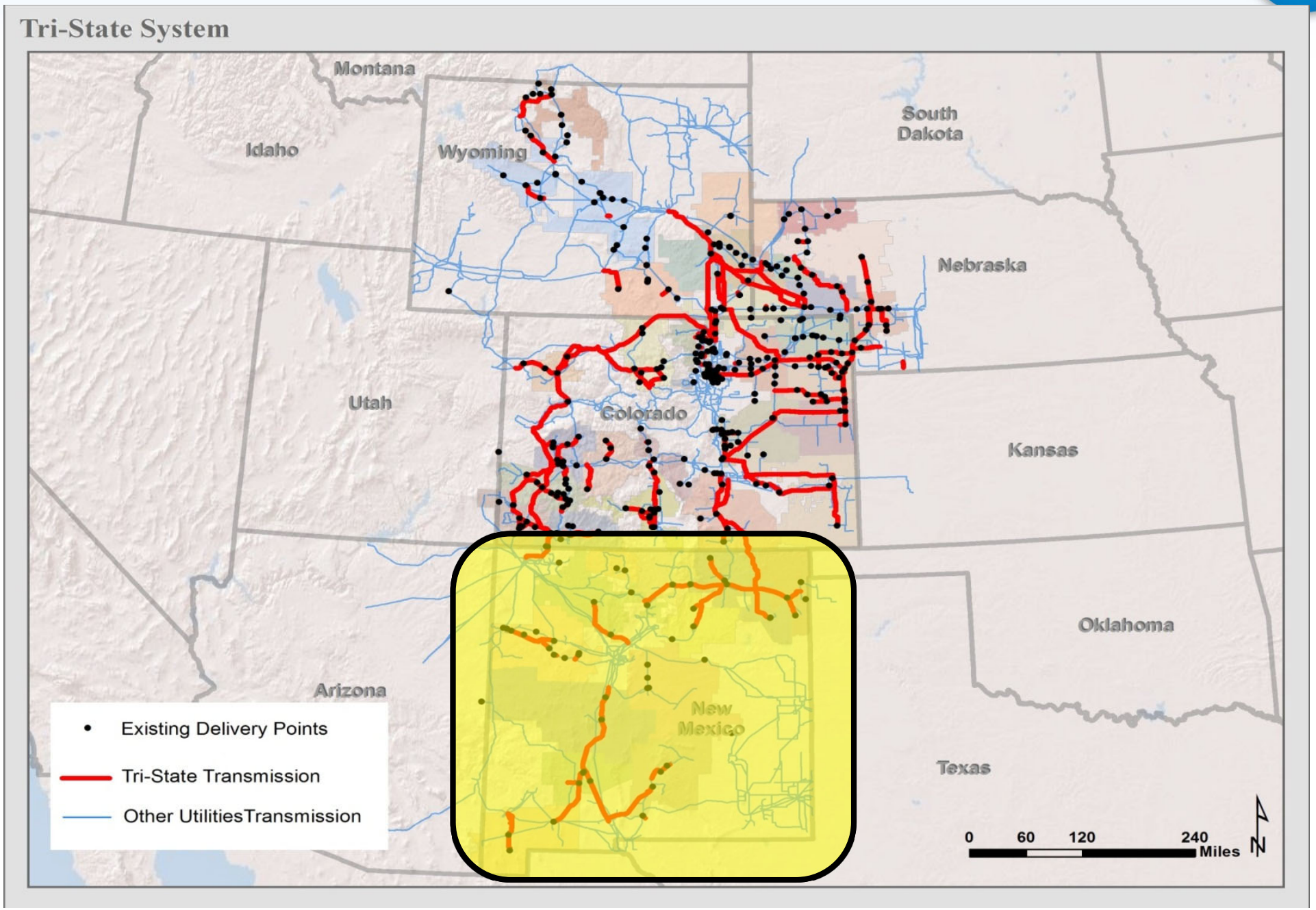




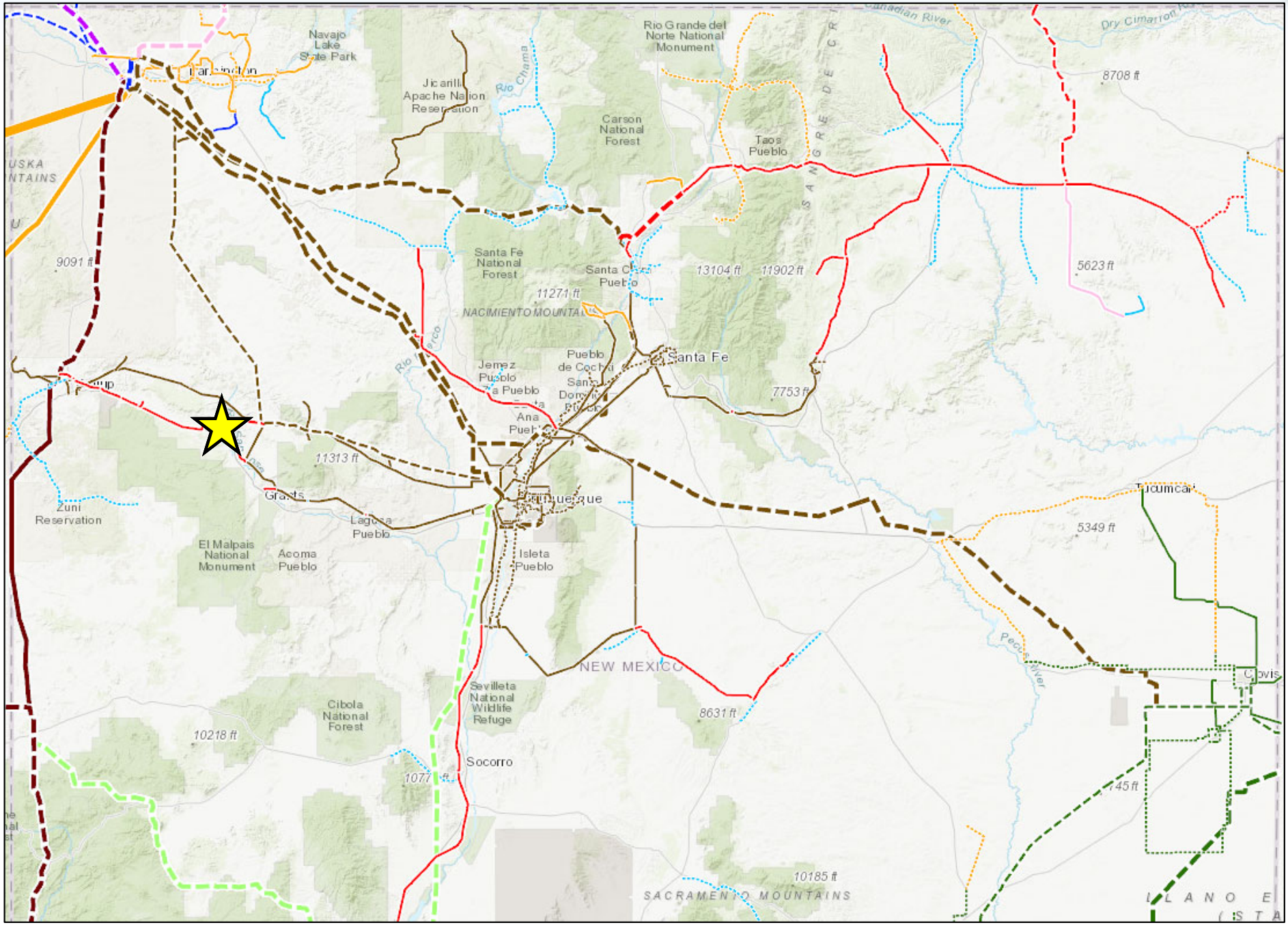
Pinto 69 kV Delivery Point

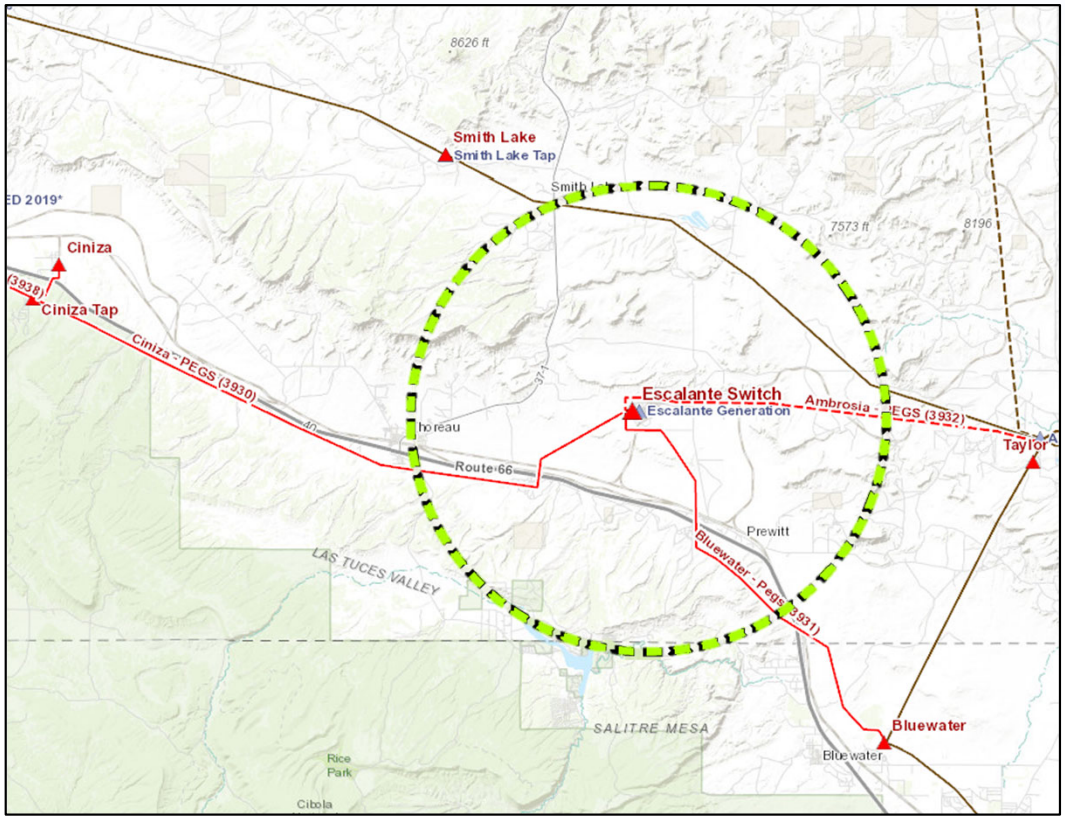
Description:	Add 69 kV line bay and delivery point to PacifiCorp's Pinto Substation
Voltage:	69 kV
Length:	0 miles
Type:	Substation
Status:	Under Construction
Planned ISD:	2022
Purpose:	Reliability

Projects: New Mexico (5)



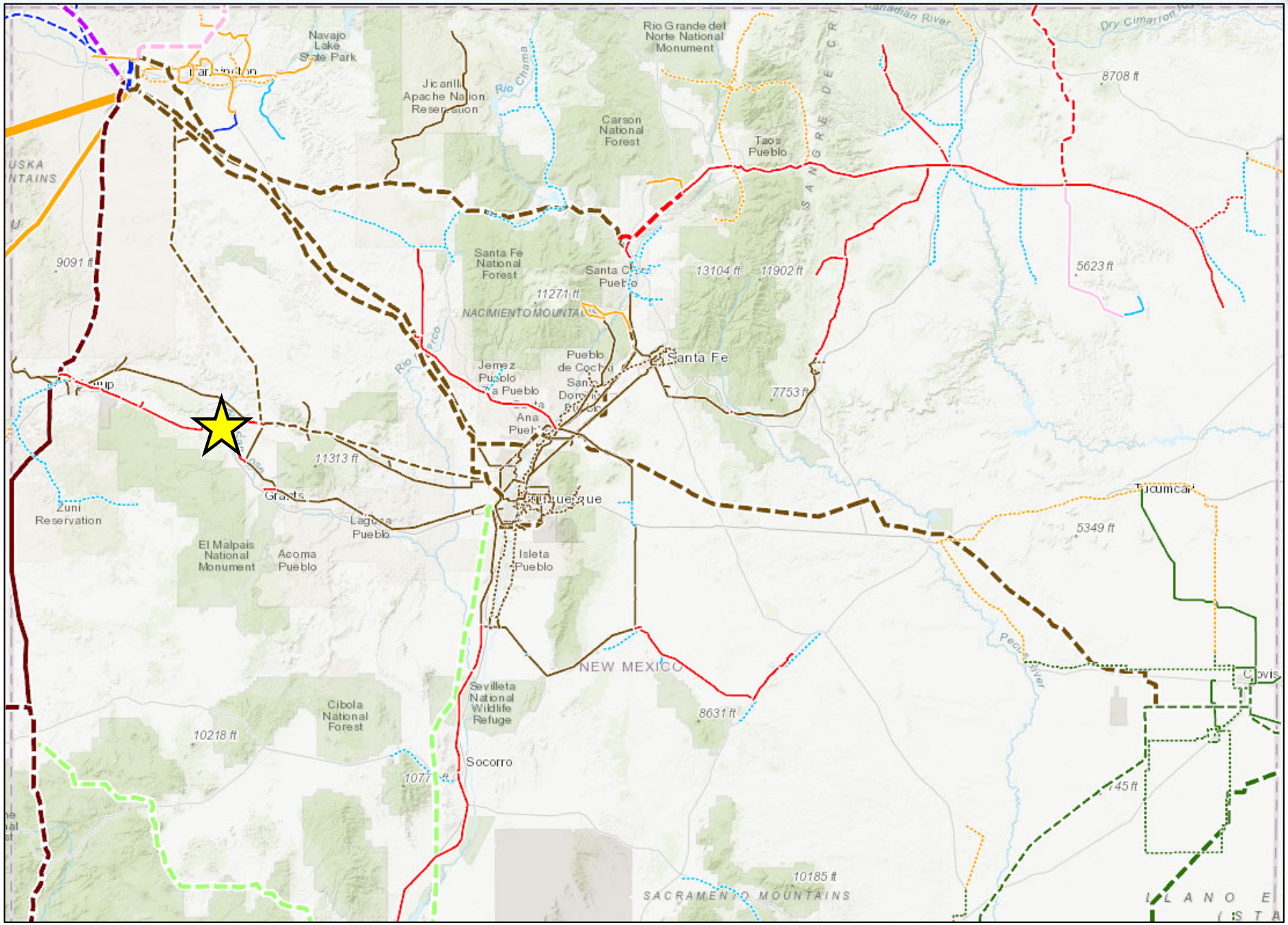
Casamero Draw

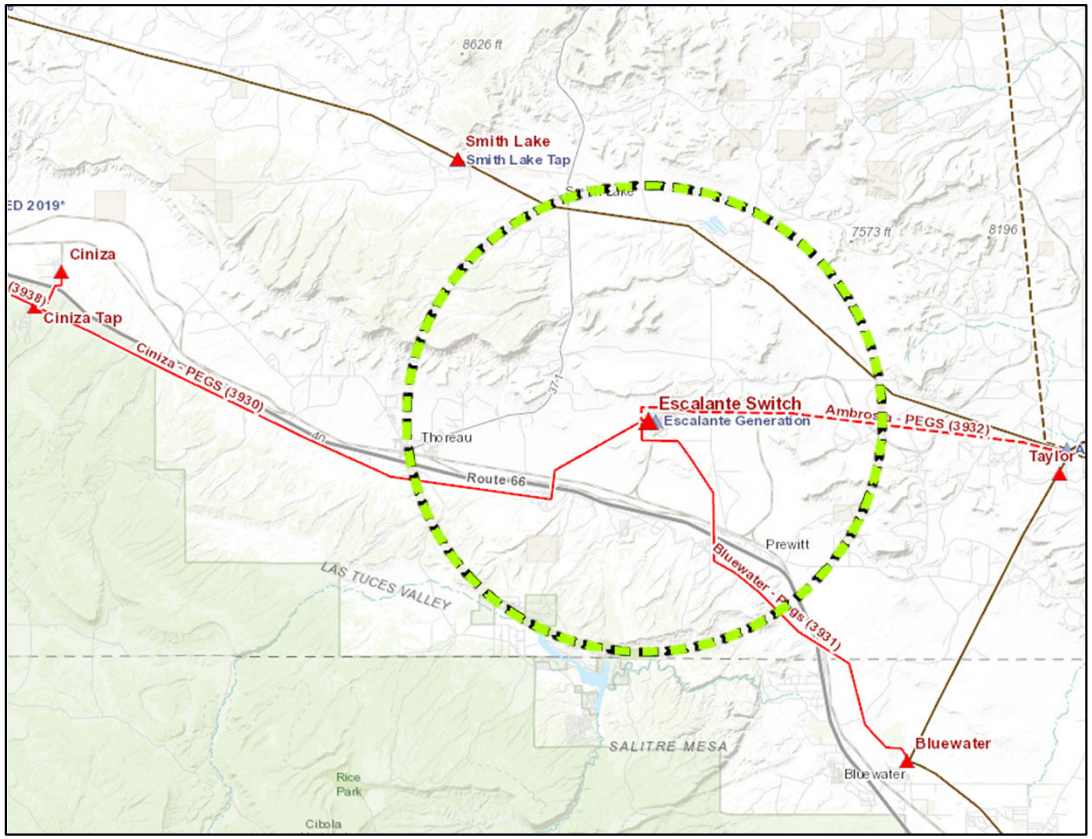




Casamero Draw	
Description:	Install 115 kV metering at Tri-State's Escalante substation to meter 115 kV service to customer's new 115/34.5kV substation. The "Casamero Draw" substation will accommodate customer load growth.
Voltage:	115 kV
Length:	N/A
Type:	Substation Metering
Status:	Under Construction
Planned ISD:	2022
Purpose:	Load Growth

Escalante Solar Interconnect

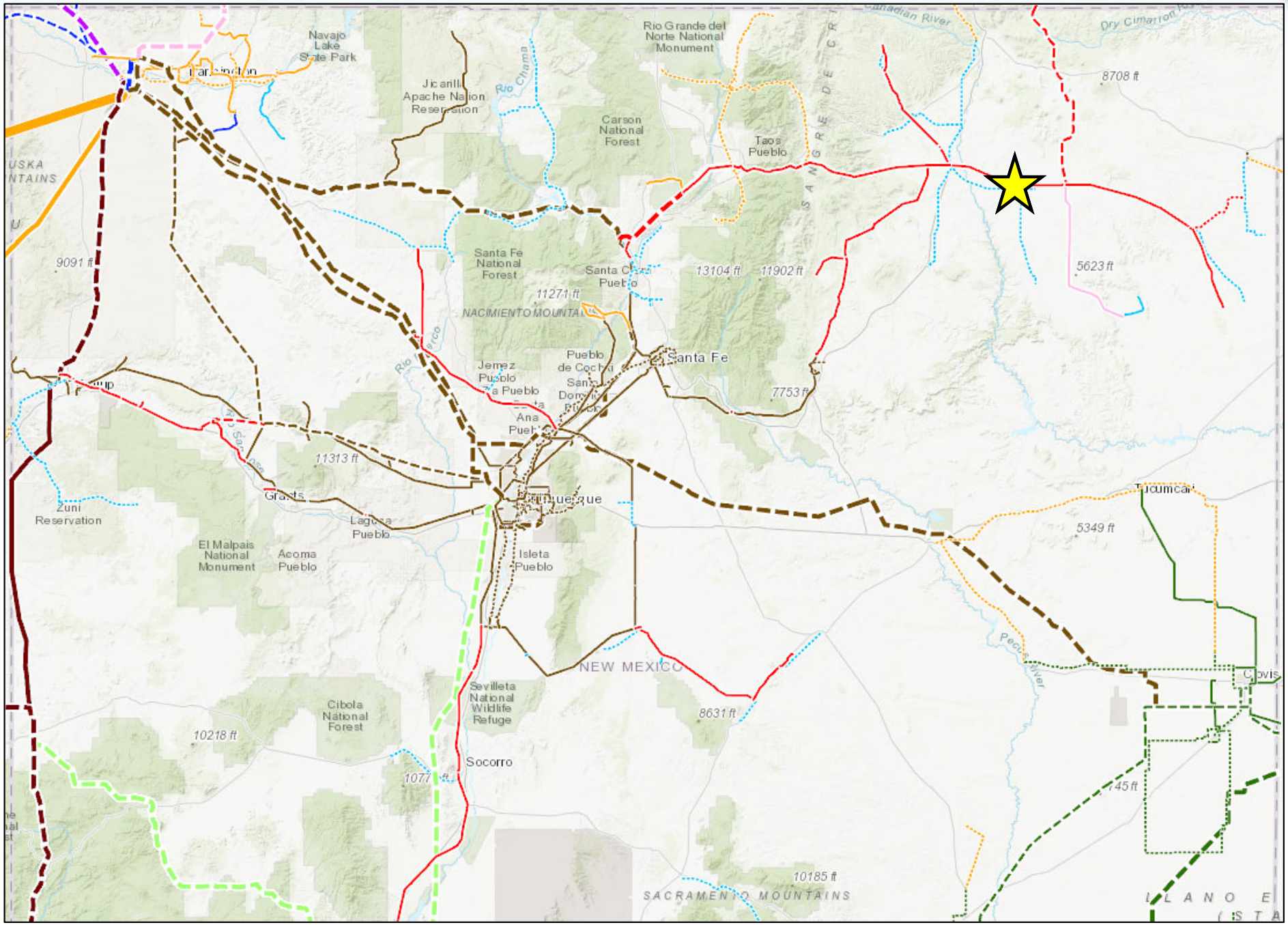


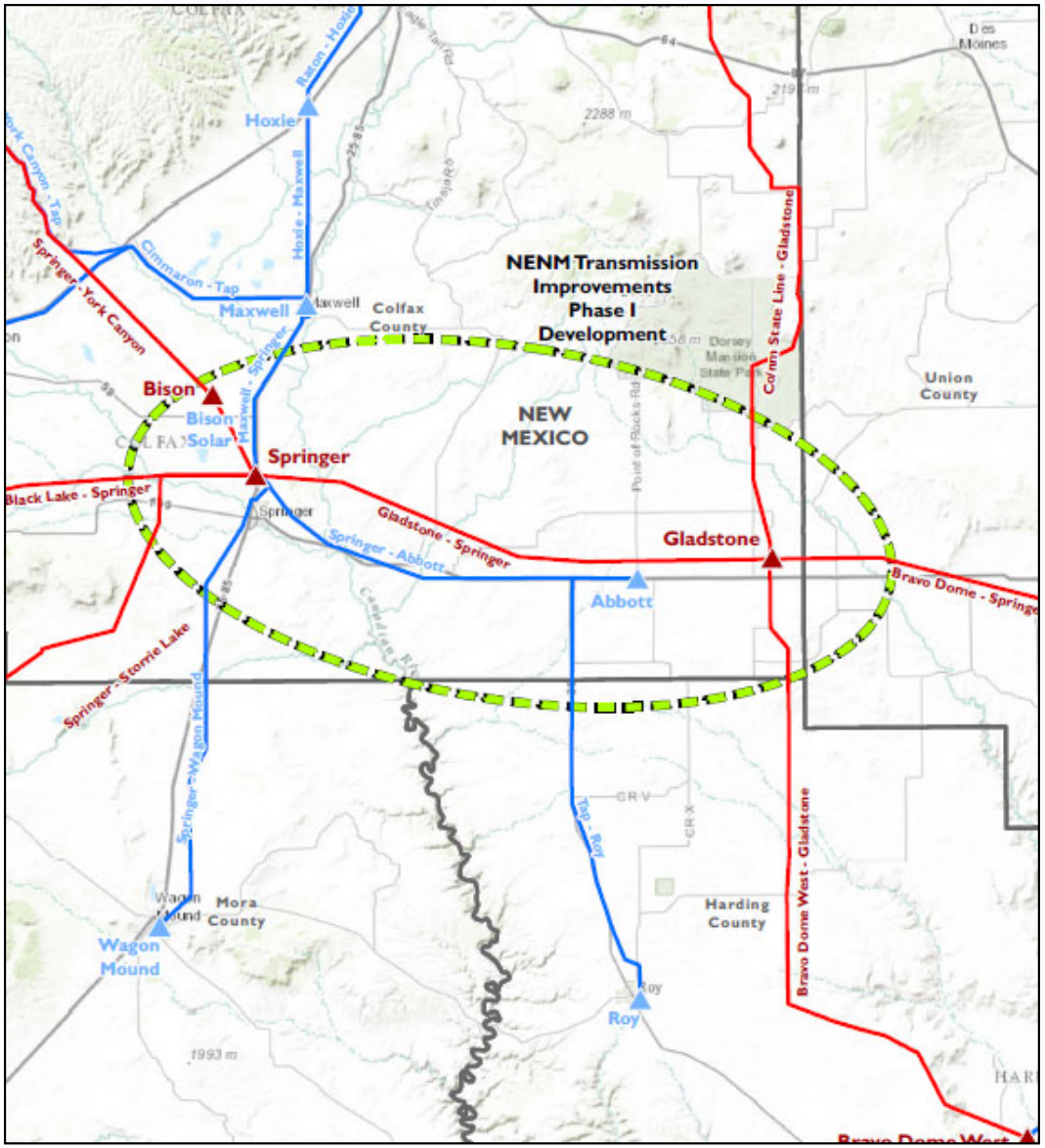


Escalante Solar Interconnect

Description:	Construct a 230 kV line bay at the existing Escalante Substation to accommodate solar interconnection
Voltage:	230 kV
Type:	Substation
Status:	Under Construction
Planned ISD:	2023
Purpose:	Generation Addition

NENM Transmission Improvements Phase I

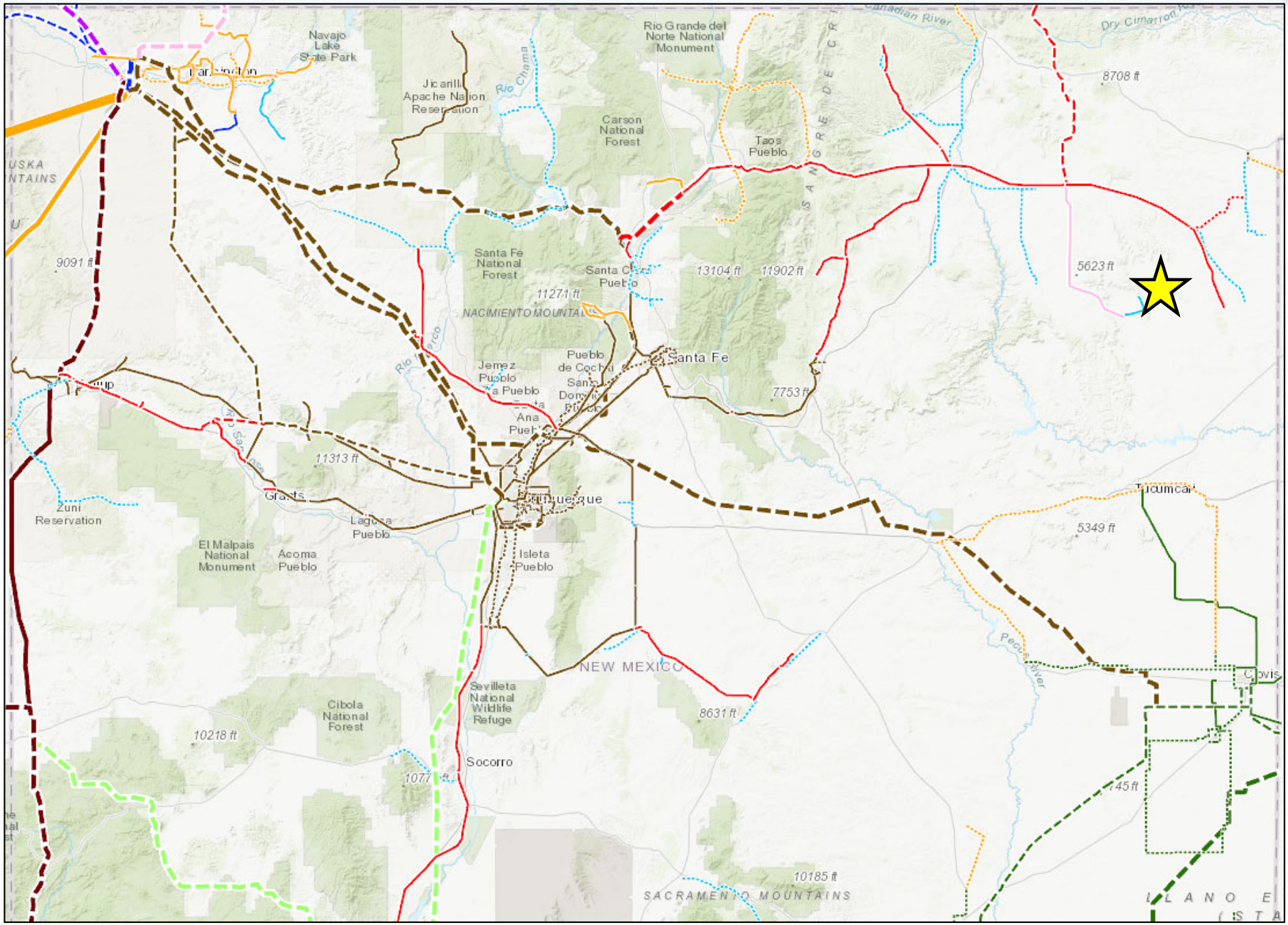


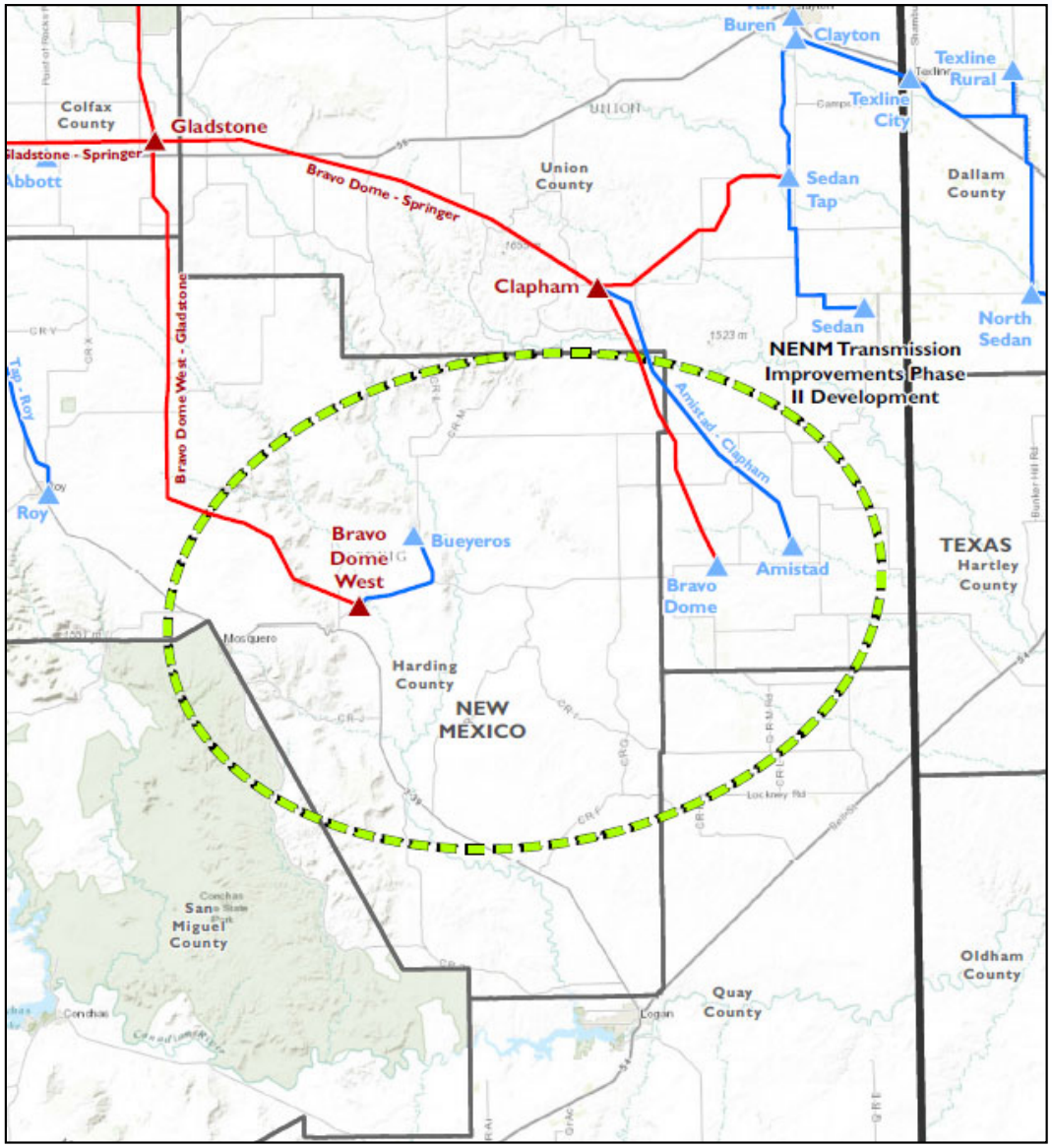


NENM Transmission Improvements Phase I

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:	Conceptual
Planned ISD:	TBD
Purpose:	Reliability; Load Serving.

NENM Transmission Improvements Phase II

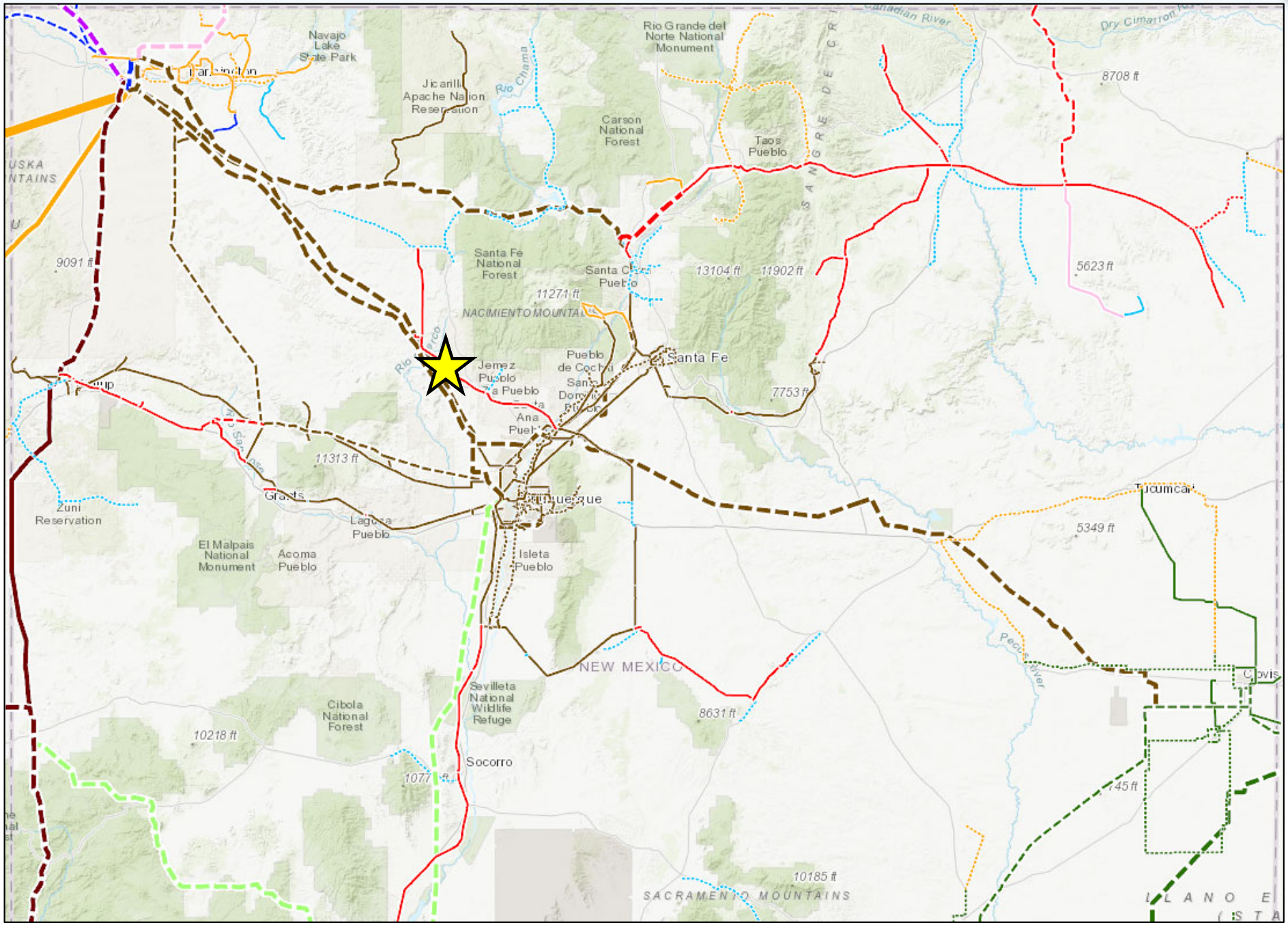


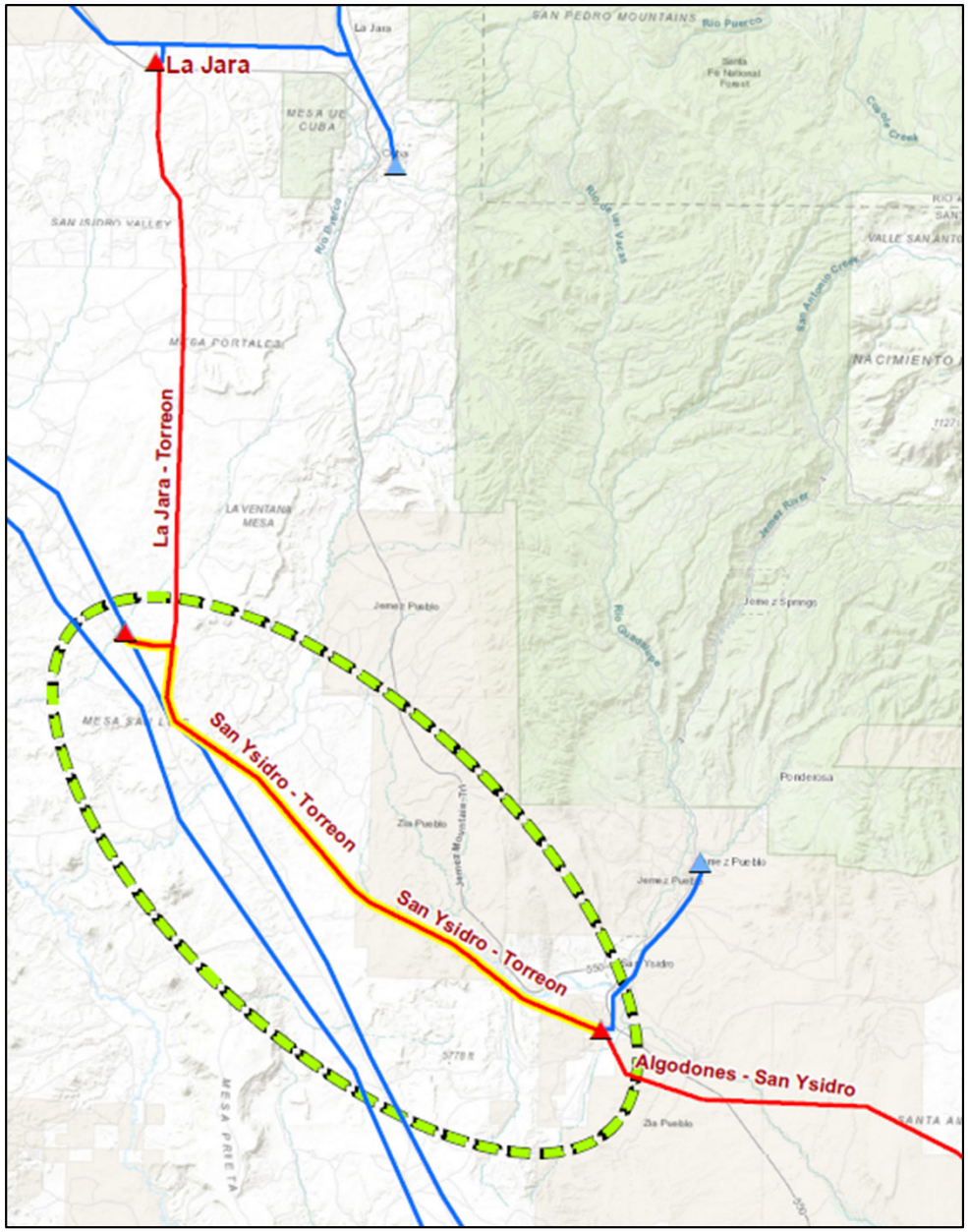


NENM Transmission Improvements Phase II

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:	115 kV
Length:	29 miles
Type:	Line
Status:	Conceptual
Planned ISD:	TBD
Purpose:	Reliability; Load Serving.

San Ysidro – Torreon 115 kV to 69 kV





San Ysidro – Torreon 115 kV to 69 kV

Description:	Decommission San Ysidro Substation. Convert Torreon – San Ysidro line from 115 kV to 69 kV, creating a Torreon – Jemez 69 kV line.
Voltage:	115 kV and 69 kV
Length:	24 miles
Type:	Substation and Line
Status:	Under Construction
Planned ISD:	2023
Purpose:	Load Serving

Other Projects

Ongoing Transmission Maintenance (Replacement & Efficiency)

- **Colorado**
  - Meeker – Rangley (Str. 156) 115 kV line

- **New Mexico**
  - Alta Luna – Caballo 115 kV line
  - Alta Luna – Mimbres 115 kV line
  - Frontier – Picacho 115 kV line

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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