

Public Service Company of Colorado

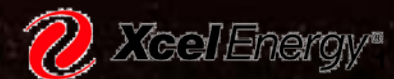
10-Year Transmission Plan
2017

**Q4 Stakeholder Meeting
for FERC 890 and CPUC Rule 3627**

1800 Larimer Street

Denver, CO

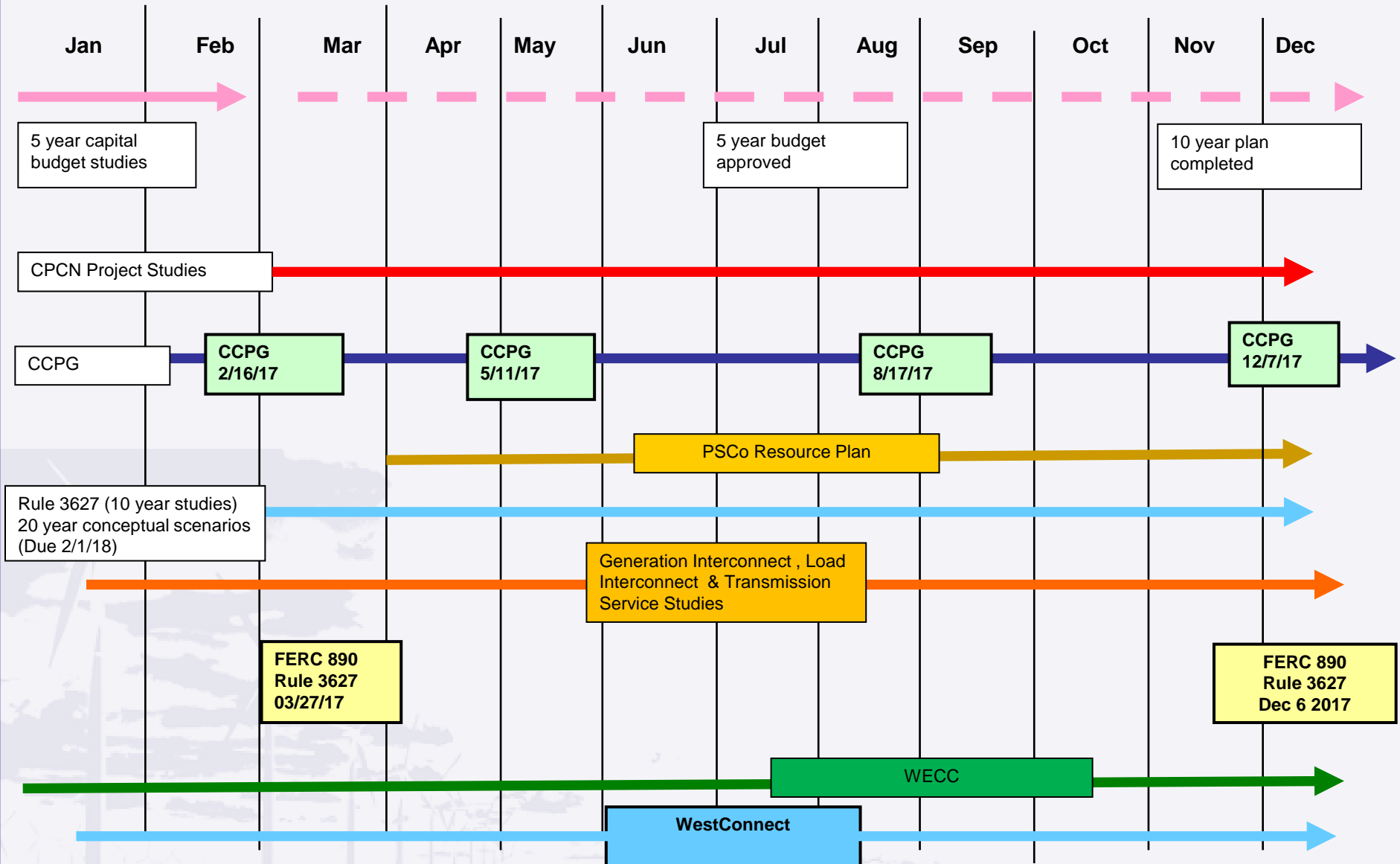
December 6, 2017



Transmission Planning Process



Planning Process Calendar 2017



Reporting

Rule 3627 (10 year plan and 20 year conceptual scenarios)	CPUC	February 1, 2018
WECC Study Program Survey	WECC	February
FERC 715	WECC/FERC	March 4, 2017
Annual Progress Report	WECC	March 15, 2017
Self Certification Forms	NERC/WECC	March
State of the Interconnected System	WECC	April
Rule 3206	CPUC	April 30
SB-07-100 Biennial Report	CPUC	October 31, 2017
WestConnect 10 year plan	WestConnect	December

Reporting - Postings

➤ **Tariff Studies**

▶ http://www.rmao.com/wtpp/PSCO_Studies.html

➤ **FERC 890 Information**

▶ <http://www.oasis.oati.com/psco/index.html> under “FERC 890 Postings”

➤ **SB07-100**

▶ <http://www.transmission.xcelenergy.com/Projects/Colorado>

▶ http://regplanning.westconnect.com/ccpg_senate_bill_wg.htm

➤ **CCPG, WestConnect**

▶ <http://www.westconnect.com/>

➤ **Rule 3627 (10-Year Plan)**

▶ <http://www.transmission.xcelenergy.com/Planning/Planning-for-Public-Service-Company-of-Colorado/Colorado-Public-Utilities-Commission-Rule-3627>

▶ http://regplanning.westconnect.com/ccpg_rule_3627.htm

➤ **Transmission Planning Documents**

▶ http://www.rmao.com/public/wtpp/PSCO_Transmission_Planning_Docs.html

FERC Order 890 Links (PSCo)

➤ **Contacts:**

- http://www.oasis.oati.com/PSCO/PSCOdocs/PSCo_Contacts-14.pdf

➤ **Hyperlink List:**

- http://www.oasis.oati.com/PSCO/PSCOdocs/PSCo_Attachment_R_Hyperlinks_List11-9-12.pdf

➤ **Meeting Notices and Materials**

- <http://www.oasis.oati.com/psco/index.html> / under “FERC 890 Postings” -> “Stakeholder Meetings”

➤ **Open Access Transmission Tariff**

- <http://www.transmission.xcelenergy.com/Resources/Open-Access-Same-Time-Information-System-&-Open-Access-Transmission-Tariff>

2017 Transmission Planning Studies and Assessments



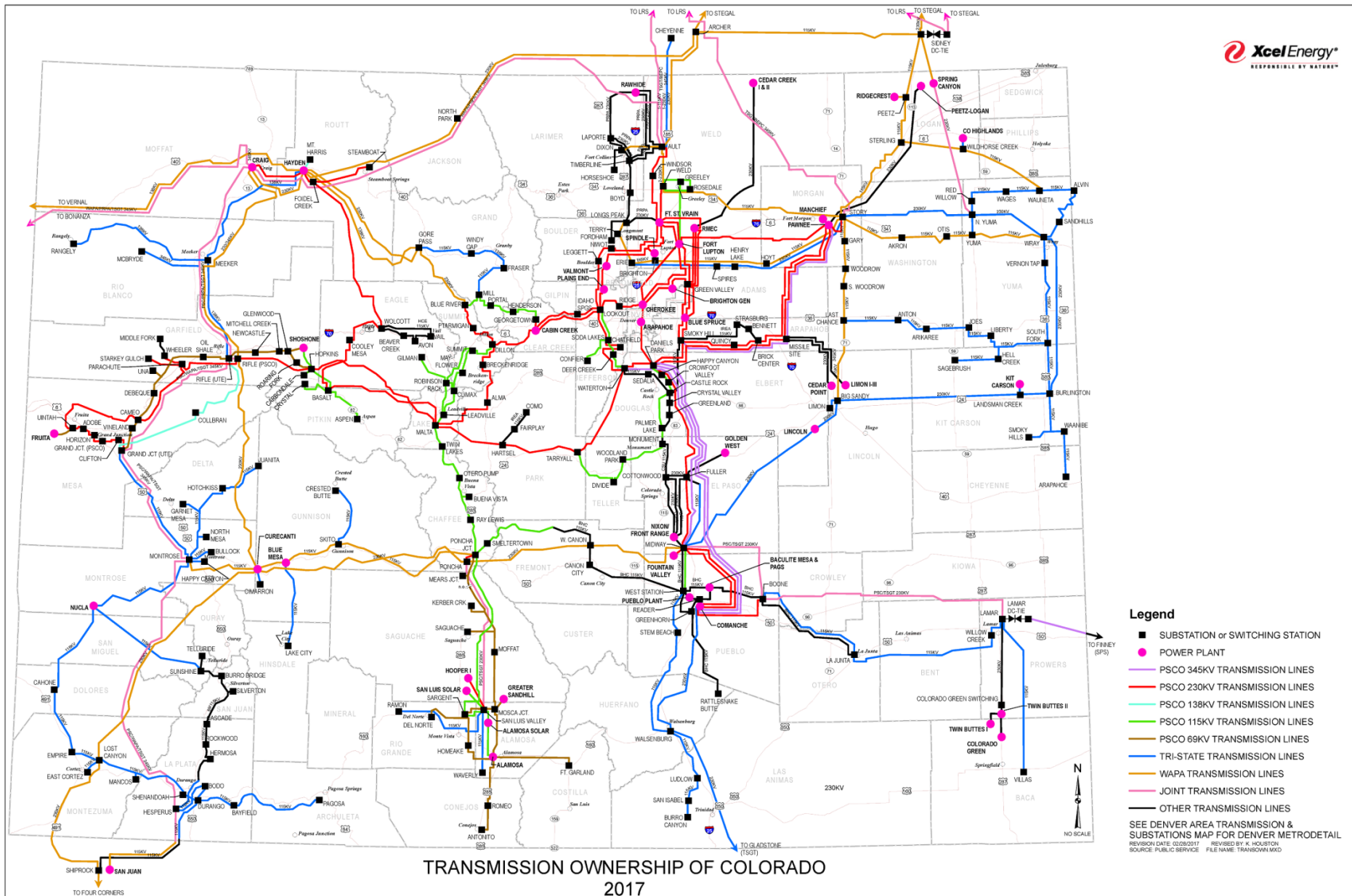
Transmission Planning Drivers

- **Load Service / Reliability**
 - **Near-Term (1-5 years)**
 - ▶ **TPL Studies (5 year capital budget)**
 - **Longer-Term (5-10 years)**
 - ▶ **WestConnect, CCPG, Public Policy**
- **Resource Accommodation**
 - **PSCo Resource Plans (2016 ERP)**
 - **Generator Interconnection Requests**
- **Public Policy**
 - **2017 Colorado Energy Plan (CEP)**
 - **Senate Bill 07-100 (SB-100)**
- **Other**
 - **Tariff Studies**
 - **Transmission Service**

Planning Study Process

- **Prepare Study Models**
 - **WECC Study Program**
 - **Recent Forecasts**
 - **Area Coordination**
- **Studies**
 - **Steady State, Transient Stability, Short Circuit**
- **Methodology**
 - **NERC Standards (TPL, MOD, FAC)**
 - **PSCo Criteria**
 - **Variable Energy Resource (VER) Guidelines**
- **Recommendations for System Upgrades**

Transmission Ownership Colorado – 2017





Generation Projects

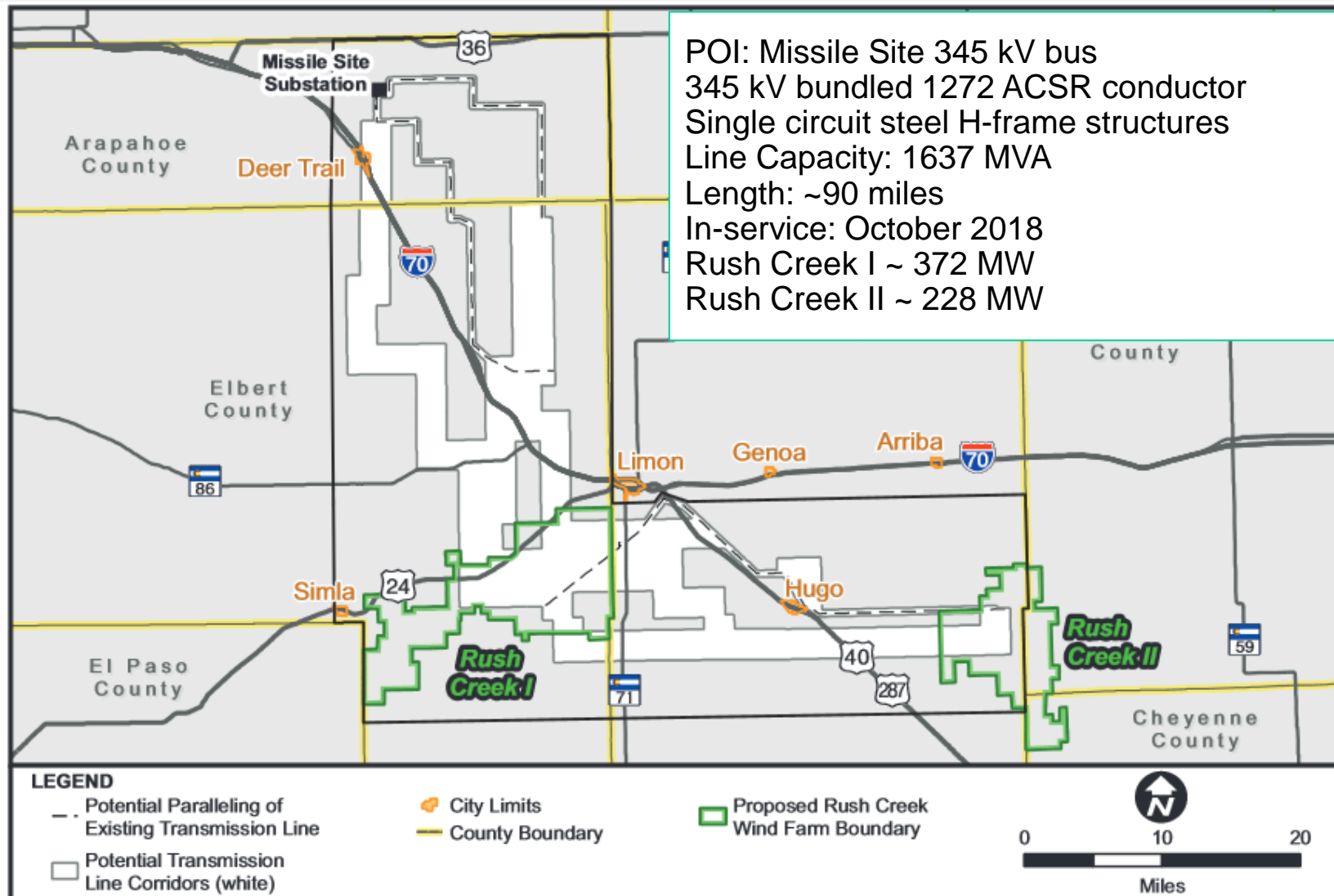
Generation Additions/Reductions

Name	Interconnection	Owner	Net MW	Type	ISD
Zuni 2 (retired)	Zuni	PSCo	-65	Coal	2015
Golden West	Fuller 230 kV	Golden West	250	Wind	2015
Hooper 1	San Luis Valley 230 kV	Solar Star	52	Solar (PV)	2015
Comanche Solar	Comanche 230 kV	Comanche Solar	120	Solar (PV)	2016
Cherokee 3 (retired)	Cherokee 115kV	PSCo	-152	Coal	2016
Cherokee 5,6, 7	Cherokee 115kV	PSCo	570	Gas (CC)	2016
Rush Creek	Missile Site 345 kV	PSCo	600	Wind	2018
ERP/CEP	??		??	Wind, Solar, Gas	

Rush Creek Wind Project

- **CPUC Rule 3660**
- **600 MW of New Wind Generation**
- **90 Miles of 345 kV Transmission (Gen-Tie)**
- **PSCo-Owned**
- **Interconnect at Missile Site**
- **In-Service Date: October 2018**
- **Filed with the Commission on May 13, 2016**
- **Combined Rush Creek and Pawnee – Daniels Park**
- **Settlement Agreement**
- **Received PUC Approval October 20, 2016**

Rush Creek Wind Project



Rush Creek Task Force (CCPG)

➤ **Scope:**

- **Evaluate Alternative Proposals to Integrate the Gen-Tie as a Network Facility**
- **PSCo to Provide Leadership & Resources**
- **Alternatives Must be Reasonable**

➤ **Status:**

- **RCTF Kicked off December 2016**
- **Meets**
- **Plan**
- **Publish RCTF Report by September 2017**
- **Document Results in 2018 Rule 3627 Report (PSCo)**

Electric Resource Plan (ERP) / Colorado Energy Plan (CEP)

➤ **CEP Filed August 2017**

- **Retire Comanche 1 (335 MW) by end of 2022**
- **Retire Comanche 2 (325 MW) by end of 2025**
- **New Switching Station in Energy Resource Zone 5**

➤ **CCPG CEP Task Force (CEPTF)**

➤ **Southern Reliability Assessment**

- ▶ **Evaluate Retirement of Comanche 1 & 2**

➤ **Generation Capacity Assessment**

- ▶ **3 Injection Areas**

➤ **Documentation**

- **http://regplanning.westconnect.com/ccpg_ceptf.htm**

Pueblo Reliability Studies

➤ **Objective:**

- **Ensure there are no system performance or reliability issues due to the retirement of Comanche 1&2 generating units.**

➤ **Types of Analyses:**

- **Steady State, Transient Stability, Short Circuit, Flicker**

➤ **Conditions:**

- **Peak, Off-peak**
- **C1 & C2 Out**
- **C1, C2 & C3 Out**

➤ **Results**

- **No Performance Issues (Voltage or Loading)**
- **System Stable**

Capacity Studies

➤ **Objective:**

- Evaluate potential for additional generation to meet needs identified from ERP / CEP.

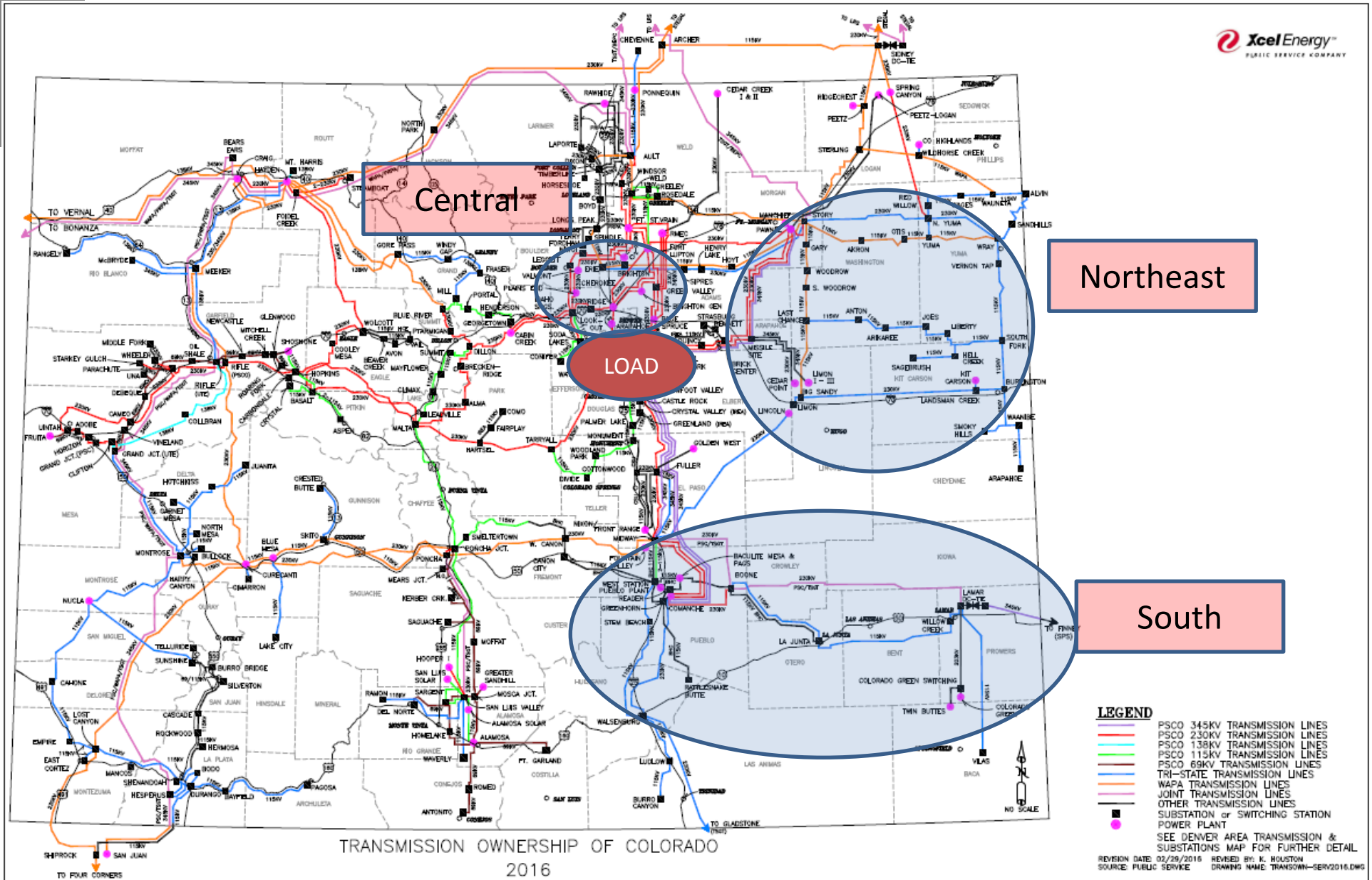
➤ **Locations for Generation:**

- Northeast, South, Central

➤ **Methodology**

- Rely on Previous Studies
- Perform Additional Analyses
- VER Assumptions

Injection Areas



Capacity Results

➤ North:

- **550 MW – No Upgrades**
 - ▶ Limit: Denver-Metro
- **850 MW – Metro Upgrades**

➤ South:

- **250 MW – No Upgrades (PSCo/CSU Operating Procedure)**
- **Limit: CSU**

➤ Central:

- **400 MW (2 x 200) @ Ft. St. Vrain, Spruce, Cherokee 230**
- **250 MW @ Spindle, Cherokee 115**
- **100 MW @ RMEC**
- **All with No Upgrades**

CEP Process / Next Steps

- **Filed Supplemental Testimony: 11/28/17**
- **RFP Bids Received: 11/28/17**
- **Portfolio Studies: Dec 17 – March 2018**
- **CEPTF through March 2018**
- **LGIP Studies: 4/30/18 – 1/31/19**





FERC Generation Interconnection Process

Generation Interconnection Process

FERC Orders 2003 and 2006

- **Order 2003 for Large Generators**
 - **Greater than 20MW**
 - **Large Generator Interconnection Procedures (LGIP)**
 - **Large Generator Interconnection Agent (LGIA)**
 - **Applies to all generation technologies**
- **Order 2006 for Small Generators**
 - **Less than or equal to 20MW**
 - **Small Generator Interconnection Procedures (SGIP)**
 - **Small Generator Interconnection Agreement (SGIA)**
 - **Applies to all generation technologies**

Large Generator Interconnection Process

➤ **Feasibility Study**

- \$10,000 deposit
- Preliminary determination of interconnection and delivery facilities
- Study Cost based on actual costs
- Feasibility schedule: approximately 45-60 days

➤ **System Impact Study**

- \$50,000 deposit
- Proof of Site Control required
- Transient stability of system is studied
- Study Cost based on actual costs
- SIS schedule: approximately 90 days

➤ **Facilities Study**

- \$100,000 deposit
- Detailed engineering design and cost estimates
- Study cost based on actual costs
- Facilities Schedule: approximately 90 days
- Study results become the basis for the LGIA

Generator Queue Status

Solar 8306.05MW

Wind 8556.47MW

Biomass 0

Gas 280.60MW

Total 17143.12MW

Totals updated 12/04/2017



Reliability Projects

Substations

➤ Completed

- Ridge 230kV Uprate
- Happy Canyon (IREA Wholesale Load)
- Cloverly (Pleasant Valley - Retail Load)

➤ 2018

- Harvest Mile
- Bluestone Valley
- Wolcott (2-20MVAR Reactors)

➤ 2020

- Husky (Ault 44kV Replacement)
- Graham Creek (Easton 44kV Replacement)

➤ TBD

- Reliability:
 - ▶ Bluestone Valley Phase 2

➤ Distribution

- Moon Gulch (2018)
- Avery (2019)
- Thornton (2019)
- Barker (2022: Banks 1,2; 2024, Bank 3)
- Titan (2022)
 - ▶ Formerly Sterling Ranch
- High Point (2021)
 - ▶ Formerly Pena Station
- Stock Show (2022)
 - ▶ Formerly National Western
- Conceptual, ISD TBD
 - ▶ Box Elder Replacement
 - ▶ New Castle
 - ▶ Wilson
 - ▶ Dove Valley
 - Formerly Surrey Ridge
 - ▶ Solterra
 - ▶ Superior
 - ▶ Sandy Creek

Transmission

Completed

- 2016
 - Cherokee – Ridge 230kV Uprate
 - Rifle – Parachute 230kV #2
 - DCP Lucerne 2 – Cloverly 115kV

Planned

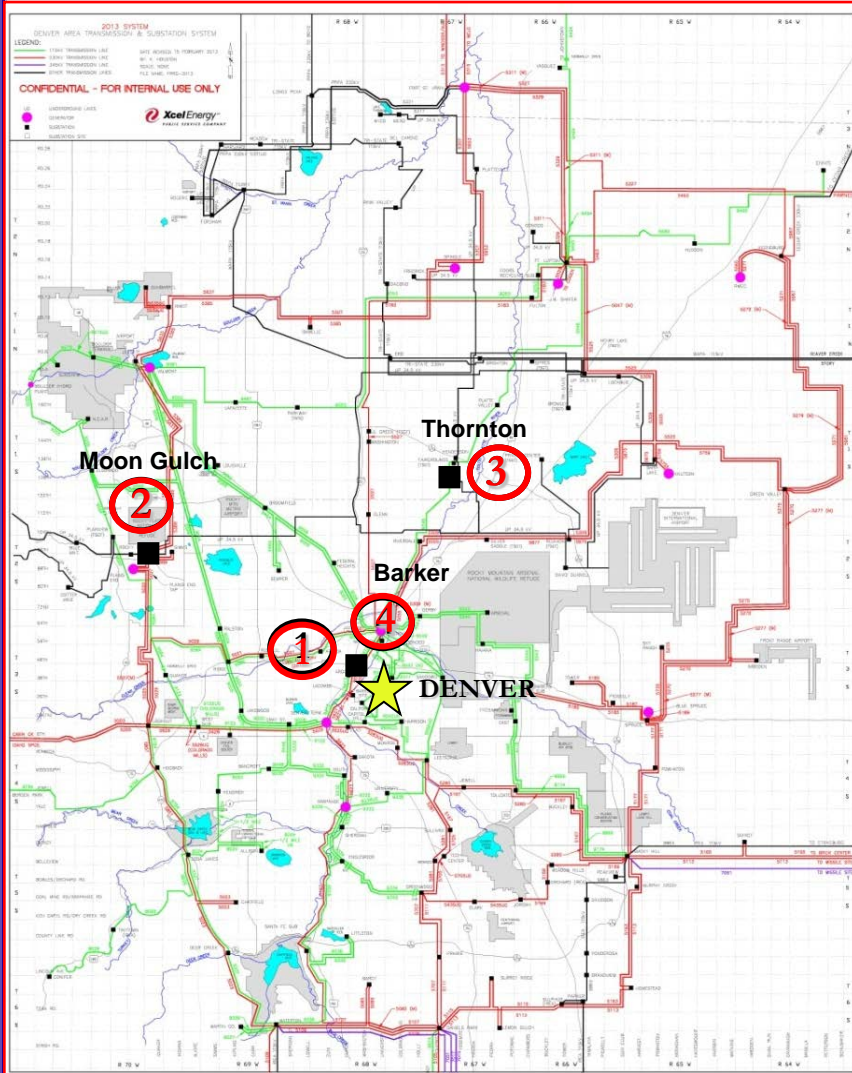
- 2018
 - Rush Creek – Missile Site 345kV
- 2019
 - Pawnee – Daniels Park 345kV
- 2020
 - Ault – Cloverly 115kV (future 230kV)
- 2021
 - Gilman – Avon 115kV

Conceptual, ISD TBD

- Glenwood – Rifle Upgrade
- Parachute – Cameo 230kV
- Lamar – Front Range
- Hayden – Foidel – Gore Pass 230kV Loop
- San Luis Valley – Poncha 230kV #2**
- Poncha – W.Canon – Midway 230kV #2
- Weld – Rosedale 230kV
- Milton – Rosedale 230kV

** TSGT lists SLV as 2022

Denver/Boulder

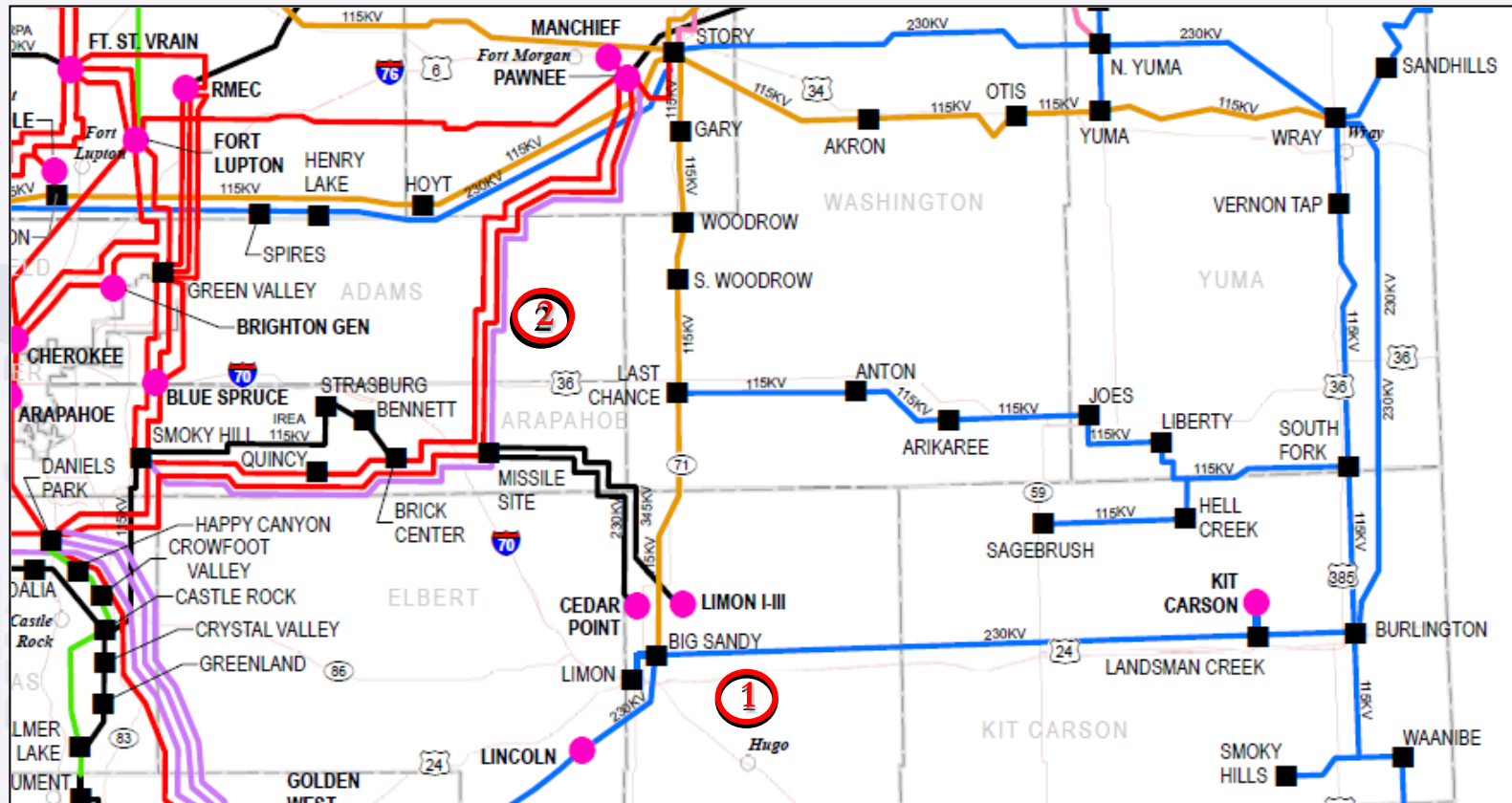


#	Project	Comments	ISD*	Drivers
1	Cherokee-Arvada-Ridge 230kV Conversion	Convert the existing 115kV line between the Cherokee and Ridge substations to a 230kV line.	2016	Reliability and Distribution
2	Moon Gulch Substation	Proposed new Distribution Substation in either the City of Arvada or Jefferson County to serve distribution loads	2017	Distribution
3	Thornton Substation	New substation in Thornton to serve distribution loads. Replaces the Brantner Substation project.	2019	Distribution
4	Barker Substation	New Substation in Denver Area to serve distribution load growth in Historic Ballpark Area	2021	Distribution

*All project in-service dates subject to change

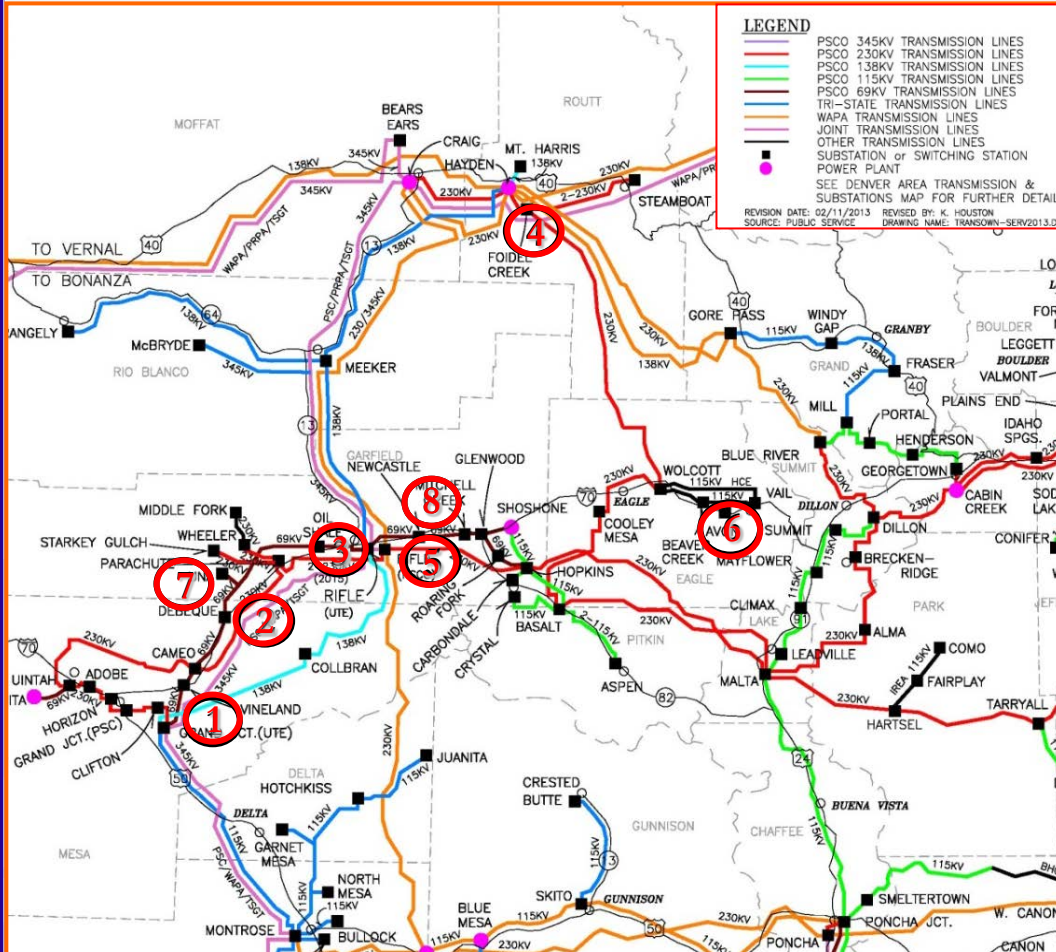
East Plains Area

#	Project	Comments	ISD*	Drivers
1	Missile Site – Rush Creek 345 kV Transmission Line	New generation tie-line for the Rush Creek Wind Project	2018	Generation
2	Pawnee – Daniels Park 345 kV Transmission Line	Add an additional 345 kV line between the Pawnee and Daniels Park substations. Add Harvest Mile Substation near Smoky Hill	2019	Reliability



*All project in-service dates subject to change

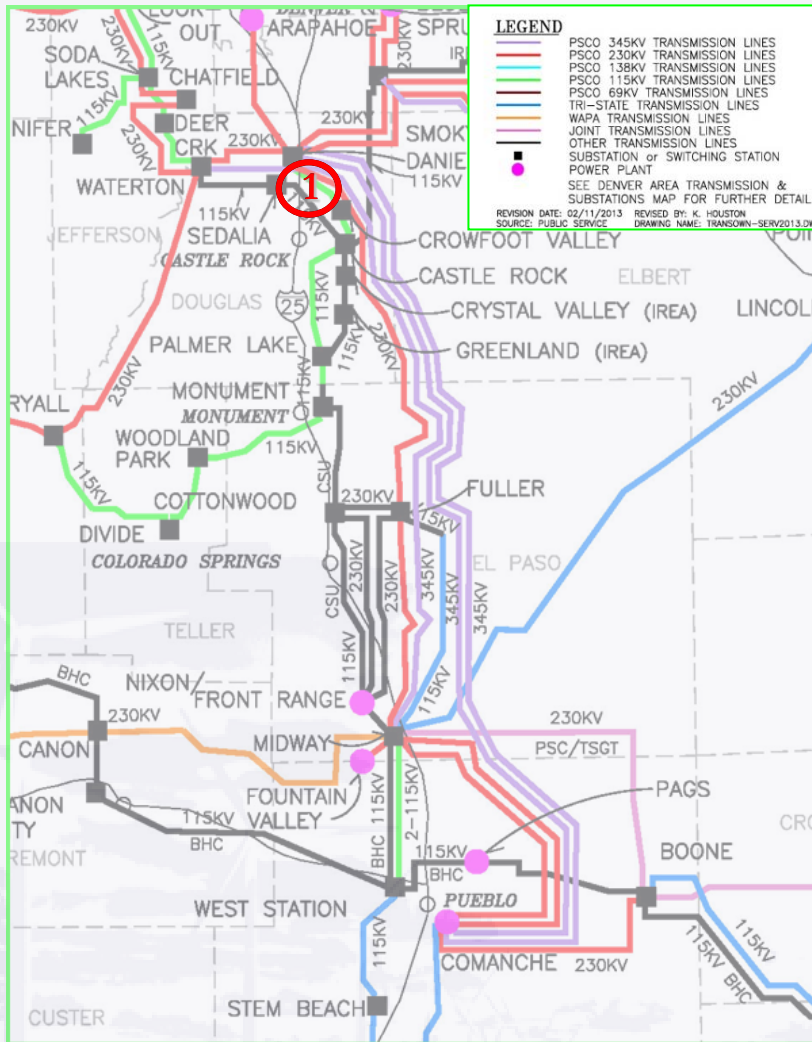
Western Slope / Mountain Area



#	Project	Comments	ISD*	Drivers
1	Bluestone Valley Substation	Phase 1: Construct the Bluestone Valley 69kV Switching Station with 69kV bus work, switches, breaker, and a 1.4-mile double circuit 69kV line from Bluestone Valley to an in-and-out tap of DeBeque-Cameo 69kV line. Phase 2: Construct the 230kV Bluestone Valley Substation that taps the Parachute-Cameo 230kV line, 230kV yard with 230kV ring bus, 230/69 kV transformer, bus work breakers, switches., etc.	Phase 1: 2018 Phase 2: TBD	Reliability
2	Foidel Creek 230kV Line Tap	Loop the Hayden-Gore Pass 230kV line into Foidel Creek Substation creating a Hayden-Foidel Creek 230kV Line #2 and a Foidel Creek-Gore Pass 230kV line.	TBD	Reliability
3	Glenwood-Rifle 69 to 115kV	Upgrade the Glenwood-Rifle 69 kV line to 115 kV.	TBD	Reliability
4	Gilman-Avon 115kV Line	Add a new 10-mile 115kV line in Eagle County for reliability and alternate source to Holy Cross customers	2021	Reliability
5	Parachute - Cameo 230kV Line	New 230 kV line from the Parachute substation to Cameo substation	TBD	Reliability
6	New Castle Substation	Construct a new 115 kV substation to serve Distribution loads in New Castle	TBD	Distribution

*All project in-service dates subject to change

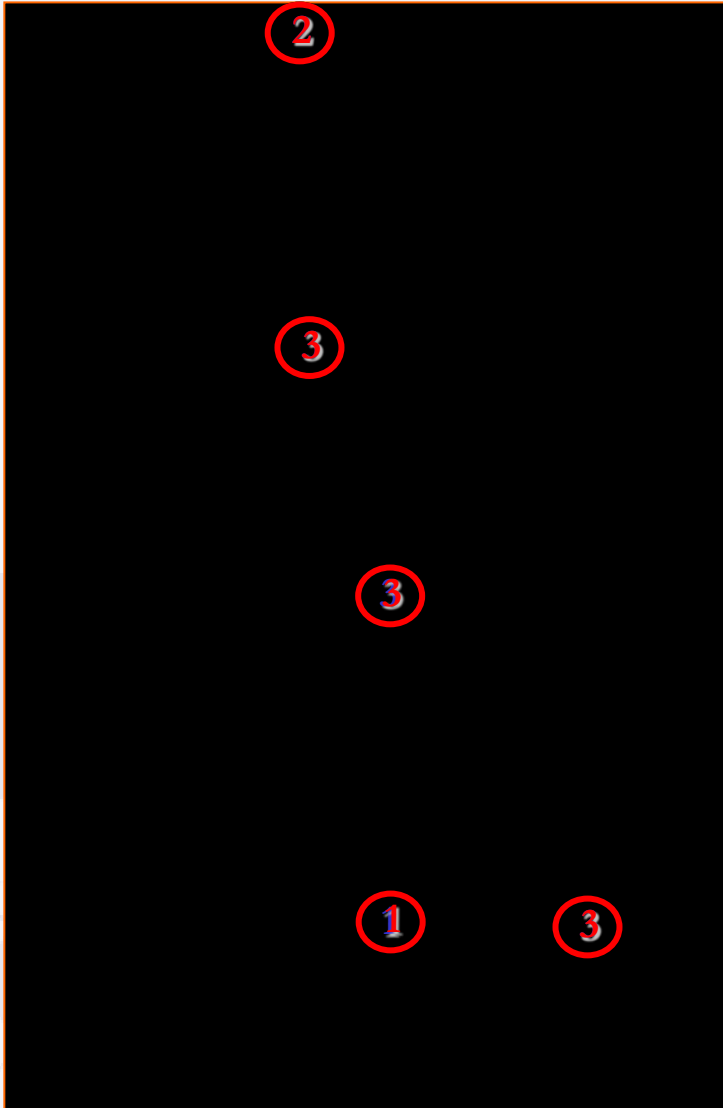
South Denver/CO Springs Area



#	Project	Comments	ISD*	Drivers
1	IREA Happy Canyon	Construct a new 115 kV substation for IREA	2016	Wholesale Customer

*All project in-service dates subject to change

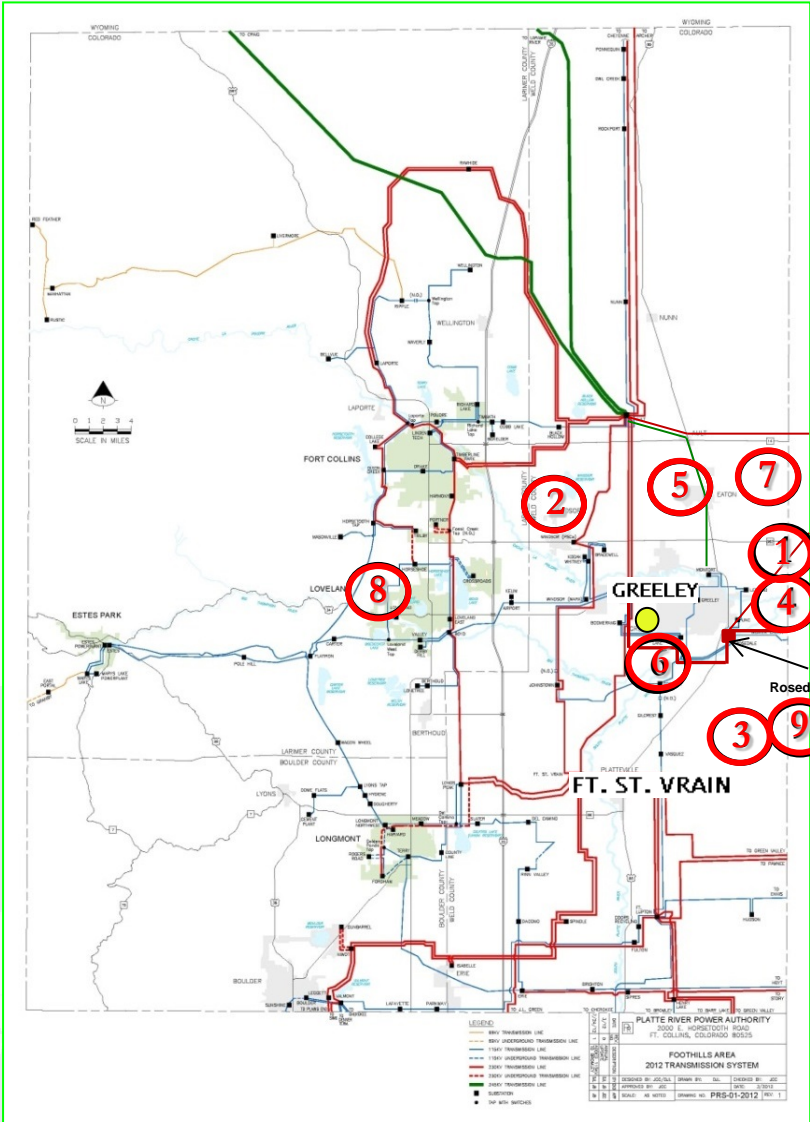
Proposed Transmission Projects San Luis Valley Area, 2016-2020



#	Project	Comments	ISD*	Drivers
1	Alamosa Bank #4 115/69kV Autotransformer	Installing a new 84 MVA 115/69kV at Alamosa Terminal to replace the aging 25 MVA bank.	1Q 2017	Reliability
2	Motor Operated Gang Switches at Otero Pump and Buena Vista Substation	Installing MOGs at Otero Pump and Buena Vista 115kV line to minimize restoration time.	2Q 2017	Reliability
3	Rebuilding 69kV lines (SLV-Poncha, Villa Grove-KerberCk, and Alamosa-Ft.Garland)	Rebuilding 69kV lines in the SLV area due to aging.	4Q 2017	Reliability

*All project in-service dates subject to change

Foothills/Greeley Area



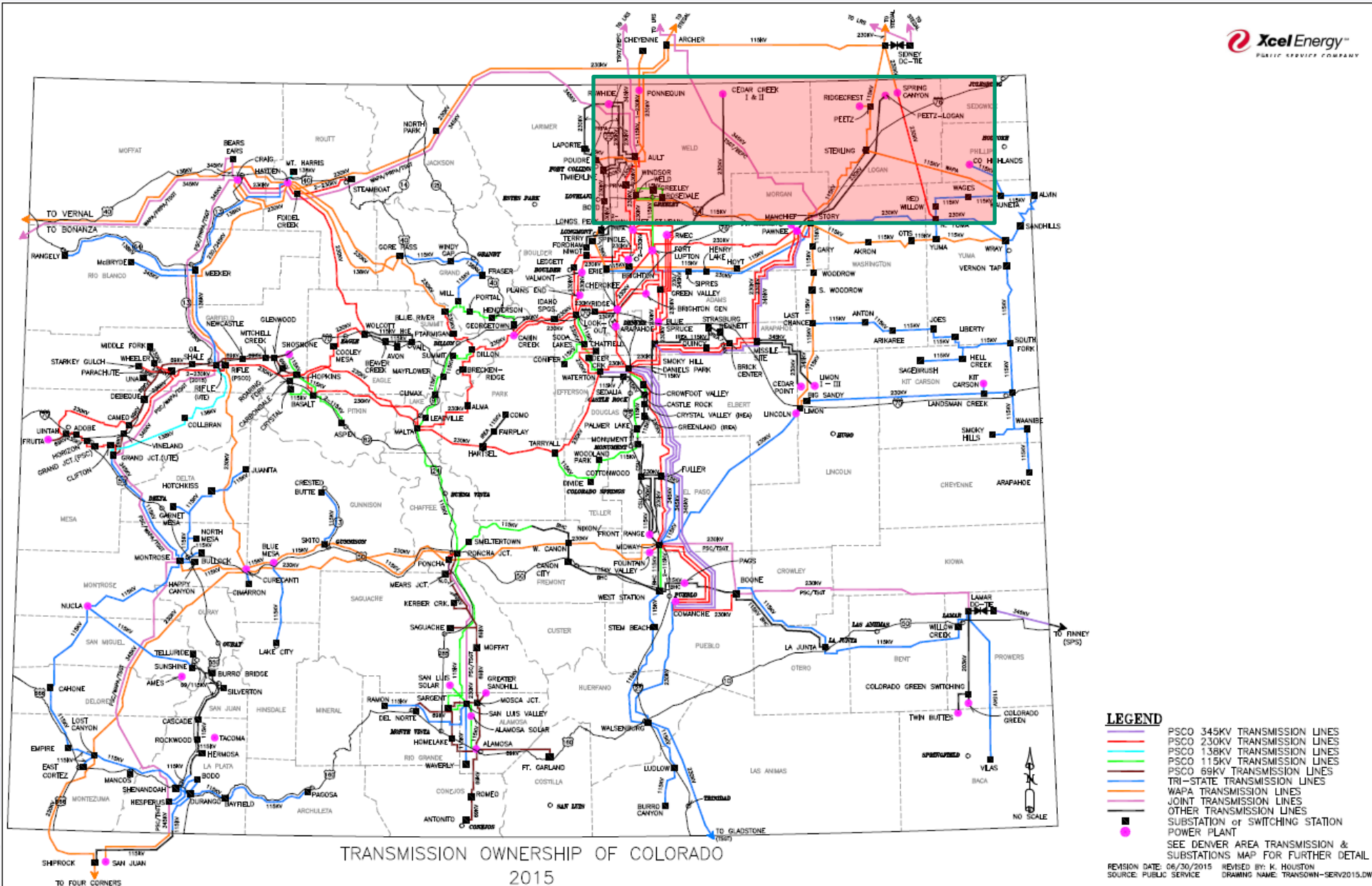
#	Project	Comments	ISD*	Drivers
1	Monfort – Cloverly 115 kV	Radial load serving 115 kV line to retail Customer facility	2016	Load Growth
2	Avery Substation	New distribution substation to serve loads in the area	2018	Distribution
3	Southwest Weld Transmission Project (SWEP)	Participate with Tri-State Project to improve reliability, increase load-serving and resource injection capability	2018	Reliability Load Growth Resource
4	Milton–Rosedale 230 kV	New line from Rosedale Substation to Milton Substation Combined with Weld – Rosedale 230kV line creates 230kV backbone south of Greeley.	2022	Reliability Load Growth
5	Ault – Cloverly 230/115kV Subs: Husky, Graham Ck.	New line from Ault Substation to Cloverly Substation. Create new substations near PSCo Ault and Eaton to move 44 kV loads to higher voltage.	2019	Reliability Load Growth Resource
6	Weld – Rosedale 230 kV Beebe Draw Substation (LaSalle Upgrade)	New line from Rosedale Substation to Ault Substation. Build a new 230 kV substation (Beebe Draw) to replace the existing 44kV La Salle Substation. Combined with Milton – Rosedale 230kV to create 230kV backbone south of Greeley.	2022	Reliability Load Growth
7	Weld County Expansion	High voltage transmission from Ault to Greeley	TBD	Reliability Resource
8	Wilson Substation	New 115kV substation to serve distribution loads. This project will tap PRPA's 115kV Horseshoe – West transmission line	TBD	Distribution
9	Box Elder Replacement	Convert 44kV Box Elder Substation to a 115kV substation to service growing loads in the area. Might tie into SWEP	TBD	Load Growth

*All project in-service dates subject to change



Northeast Colorado (NECO)

35



Northern Greeley Area Plan (2016)

Ault – Cloverly 230/115 kV

➤ **Study Objectives**

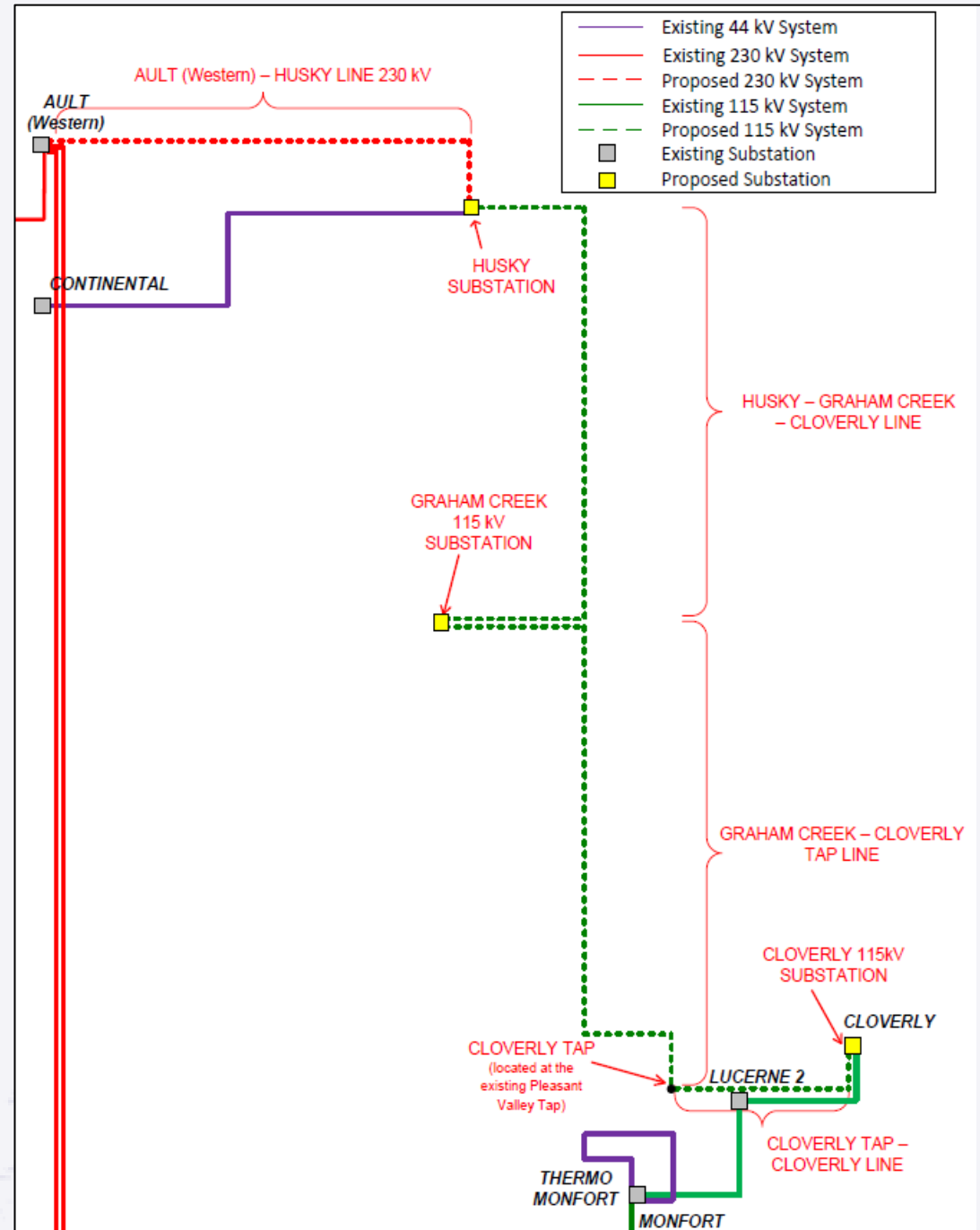
- **Replace 44 kV transmission system**
- **Improve reliability**
- **Increase load serving capability**
- **Increase resource accommodation**
- **Align with other transmission plans**

➤ **Status**

- **CCPG Acceptance February 16th, 2017**
- **CPCN Filed with CPUC March 9th, 2017**

NGAP Proposed Plan

- **Ault – Cloverly 230/115 kV**
 - **Husky Substation**
 - **Graham Creek Substation**
- **Double Circuit 230 kV Capable**
- **ISD: 2020**
- **Cost: \$65M**



2017 Scope – Southern Greeley Plan

➤ Objectives (Similar to Northern Greeley Plan)

- Replace 44 kV Transmission System
- Improve Reliability
- Increase Load Serving Capability
- Increase Resource Accommodation
- Align with Other Transmission Plans
 - ▶ NGAP, SWEP

➤ Status:

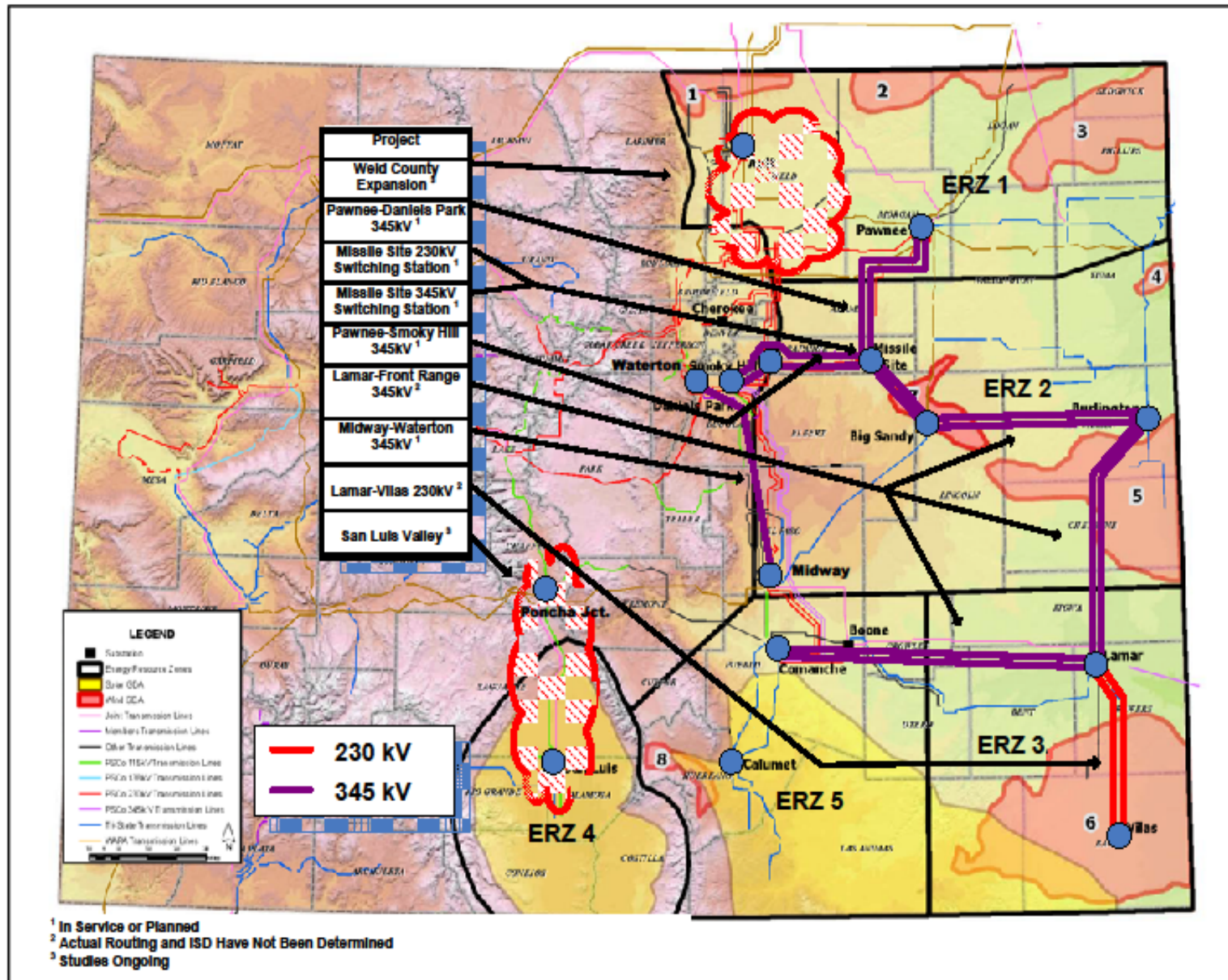
- Kick-off Meeting March 8th, 2017
- Study in-progress
- Expected completion date 1Q 2018



Public Policy Planning Senate Bill 07-100

PSCo Public Policy Senate Bill 07-100

- **Designate “Energy Resource Zones (ERZ)”**
- **Develop plans for the construction or expansion of transmission facilities necessary to deliver electric power consistent with the timing of the development of beneficial energy resources located in or near such zones**
- **Consider how transmission can be provided to encourage local ownership of renewable energy facilities**
- **Submit proposed plans, designations, and applications for certificates of public convenience and necessity to the commission**



Senate Bill 100 Project List

Item	Project	Zone	In Service Date*	Project Status
Planned				
1.	Missile Site 230kV Switching Station	2	Nov 2010	In Service No CPCN Required
2.	Midway-Waterton 345kV Transmission Project	3,4,5	Jun 2011	In Service CPCN: July 2009
3.	Missile Site 345kV Switching Station	2	October 2012	In service CPCN: June 2010
4.	Pawnee-Smoky Hill 345kV Transmission Project	1	June 2013	IN Service CPCN: Feb 2009
5.	Pawnee-Daniels Park 345kV Transmission Project	1	2019	CPCN: April 2015
Conceptual				
6.	Lamar-Front Range 345kV Transmission Project	2, 3	TBD	Studies Complete. No plans for full build-out at this time
7.	Lamar-Vilas 230kV Transmission Project	3	TBD	See Lamar – Front Range
8.	Weld County Expansion Project	1	TBD	Studies Ongoing CCPG – NECO Subcommittee
9.	San Luis Valley	4	TBD	CCPG – SLV Subcommittee

*All project in-service dates subject to change

Pawnee – Daniels Park Project

➤ Purpose

- SB100
- PSCo Base Resource Needs
- Reliability

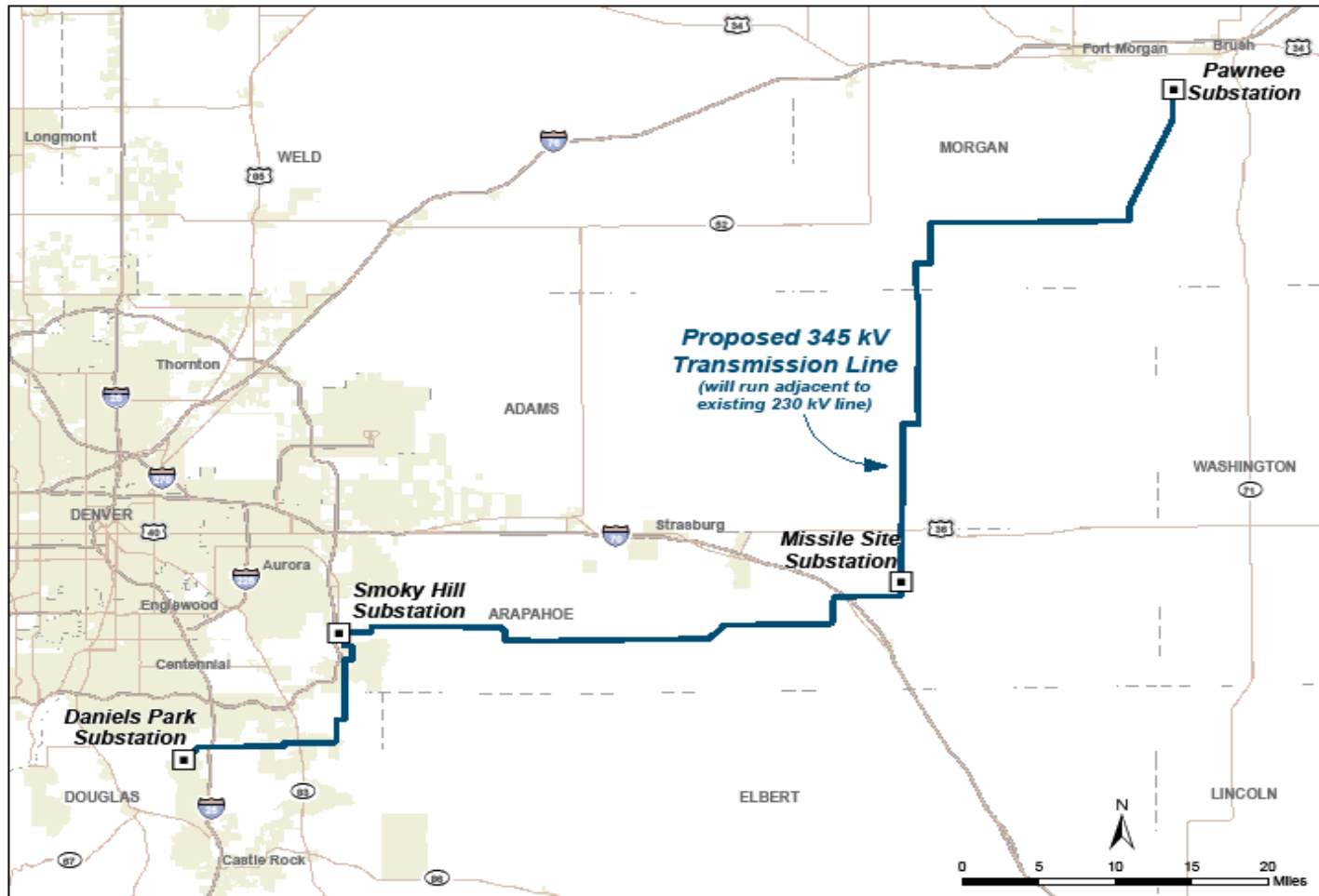
➤ Project Components

- Pawnee – Missile Site – Daniels Park 345 kV (115 miles)
- Smoky Hill – Daniels Park 345 kV line (21 miles)
- Entire Project within existing PSCo corridors
- About 51 miles already constructed
- New Harvest Mile Substation
- Cost Estimate ~ \$180 M

➤ Plan

- CPCN Filed 3/28/14
- CPCN Approved March 2015
- ISD 2019 (approved by PUC)

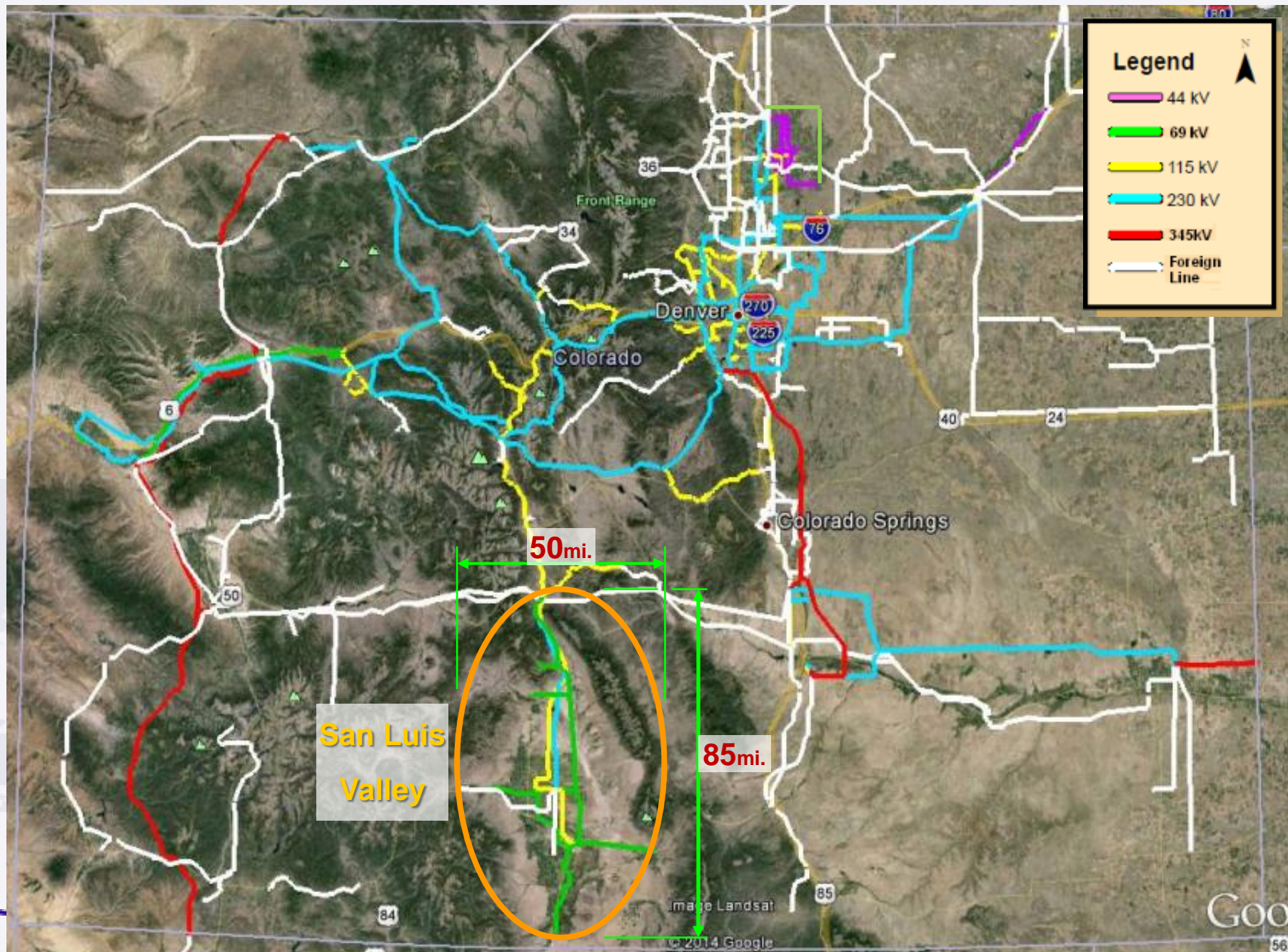
Pawnee - Daniels Park Project Map



- ▶ **Location:** Morgan, Adams, Arapahoe, Elbert and Douglas counties
- ▶ **Infrastructure:** 115-mile transmission line from Pawnee Substation to Daniels Park Substation and from Smoky Hill Substation to Daniels Park Substation



San Luis Valley



San Luis Valley Subcommittee (CCPG)

➤ Objectives

- Phased Approach
- Increase Reliability
- Load Serving Capability
- Resource Accommodation

➤ Phase 1

- Conclusion: New 230 kV line from San Luis Valley – Poncha
- Report Posted

➤ Phase 2

- Conclusion: New 230 kV line from Poncha to Midway or Malta
- Report Posted 2016

➤ Phase 3

- Scope Under Development
- Existing Infrastructure Upgrades

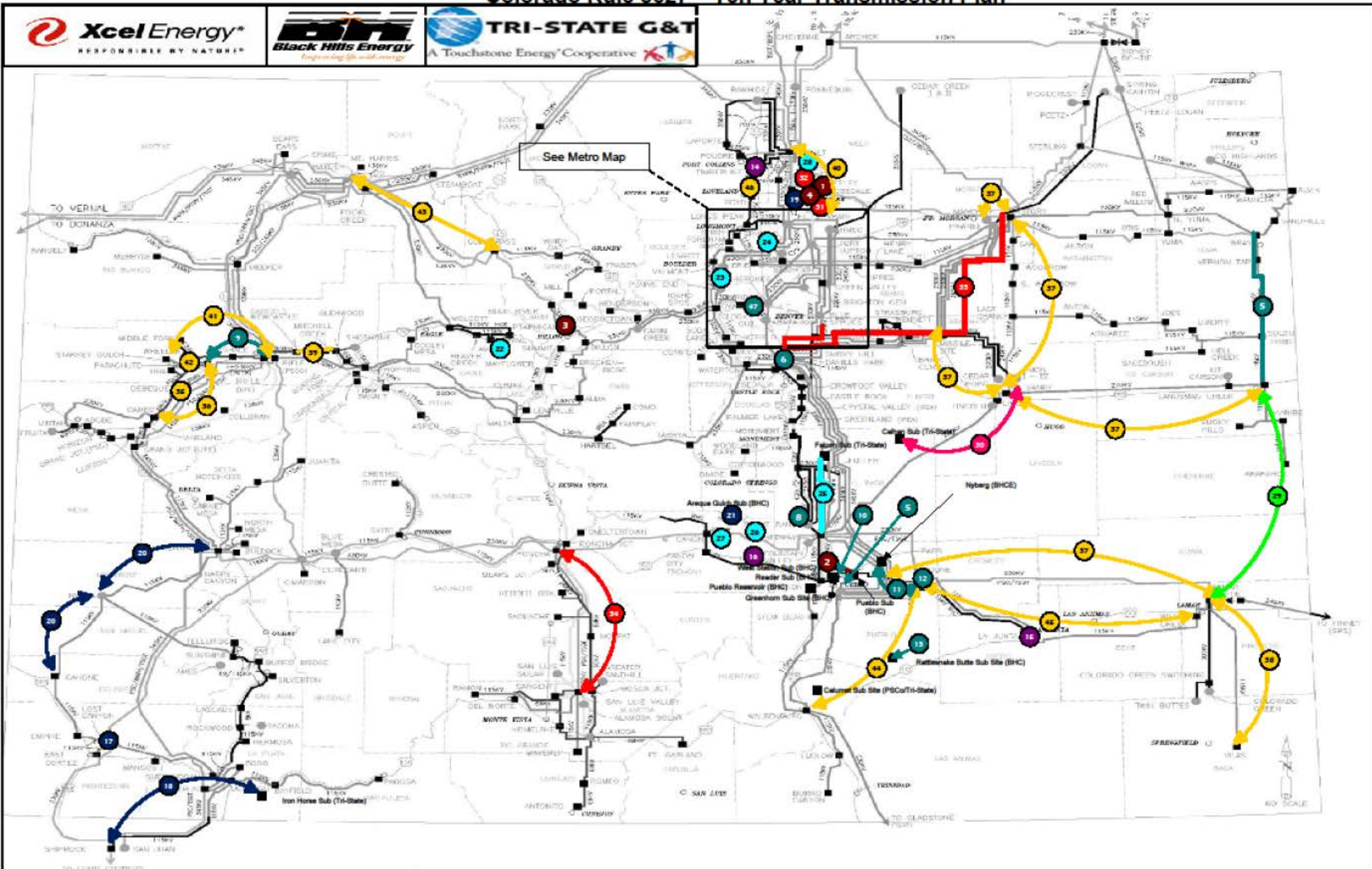


CPUC Rule 3627

CPUC Rule 3627

- **Requires Regulated Utilities to File Transmission Report**
 - 10-Year Plan, 20-Year Scenario; 2-year cycle
 - Black Hills, Tri-State, Public Service
 - Use CCPG as Forum
 - Proactive Stakeholder Participation
- **Report Filed February 2016**
 - Proceeding Consolidated with SB07-100
 - Comments Received from OCC and IEA
- **ALJ Assigned → Evidentiary Hearing**
 - Hearing December 6, 2016
 - Commission Meeting 11/29/17:
- **Ruling / Recommendation:**
 - ▶ **Most Utility Exceptions Granted**
 - ▶ **2016 Plan Adequate**

Colorado Rule 3627 – Ten Year Transmission Plan




**All projects are subject to change and routes have yet to be determined.*

PSCo PUC Rule 3627 Information

- **On the Xcel Energy website at:**
 - ▶ <http://www.transmission.xcelenergy.com/Planning/Planning-for-Public-Service-Company-of-Colorado/Colorado-Public-Utilities-Commission-Rule-3627>
- **WestConnect website for all regional projects:**
 - ▶ <http://regplanning.westconnect.com/ccpg.htm>





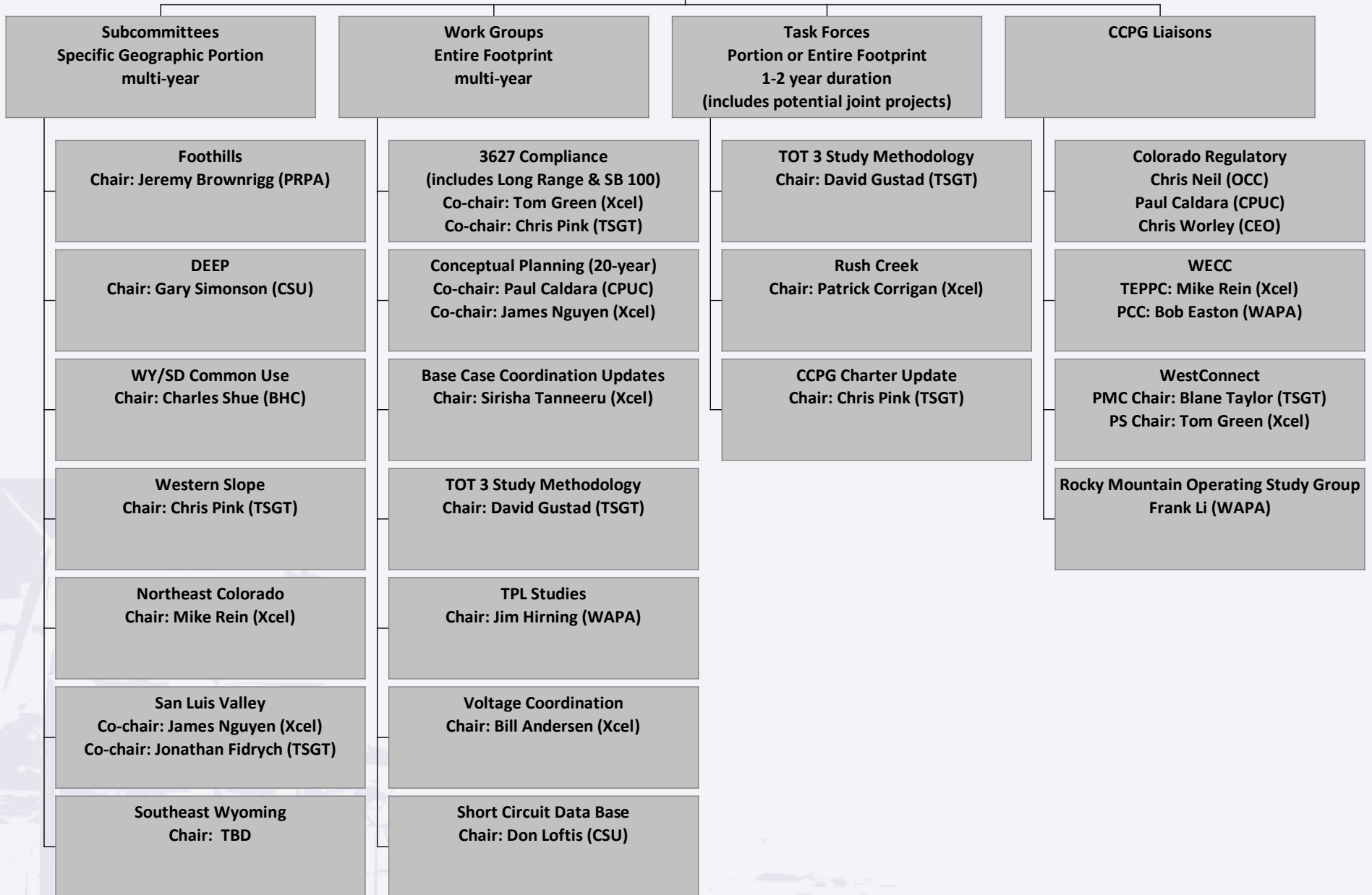
Regional & Subregional Updates (CCPG, WestConnect, WECC)



CCPG Updates

Colorado Coordinated Planning Group 2017 DRAFT Organization Chart

Oversight Committee
Chair: Susan Lovejoy (CSU)
Vice Chair: Jeremy Brownrigg (PRPA)



CCPG EVENTS

➤ **CCPG Meetings**

- ▶ **February 16, 2017**
- ▶ **May 11, 2017**
- ▶ **August 17, 2017**
- ▶ **December 7, 2017**

CCPG Contacts:

Susan Lovejoy – Chair

slovejoy@csu.org

(719)-668-8384

Jeremy Brownrigg – Vice-Chair

brownriggj@prpa.org

(970) 266-7979

WestConnect

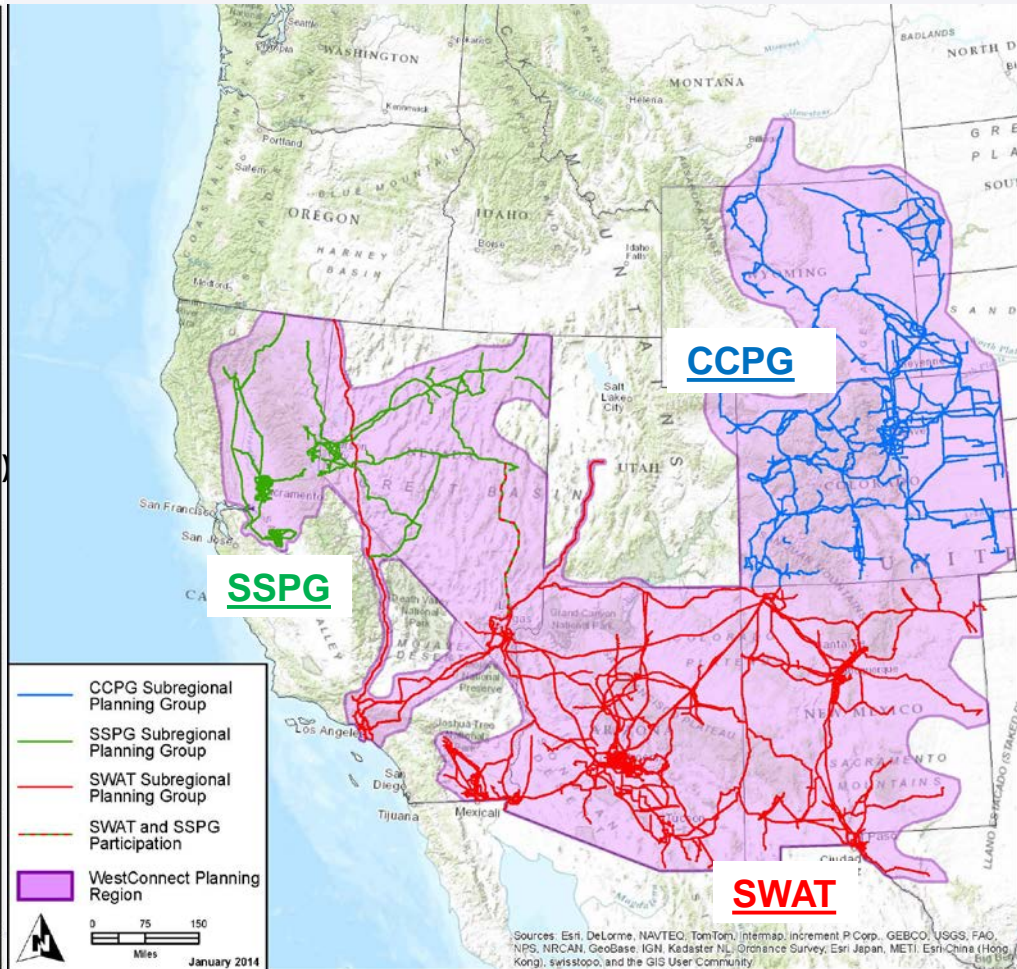
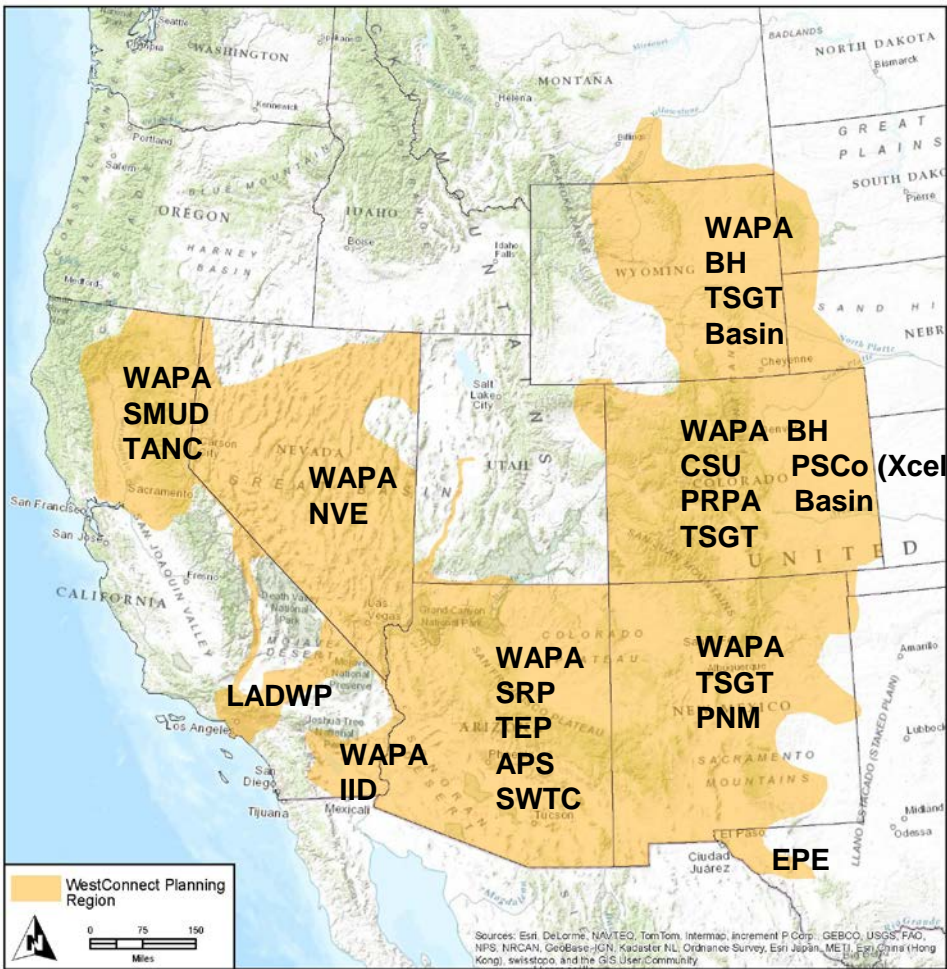
PMC Organization and Activities

- FERC Order 1000 Compliance
- Manage Regional Transmission Planning Process
- Monthly in-person meetings
- Currently Comprised of 26 Members

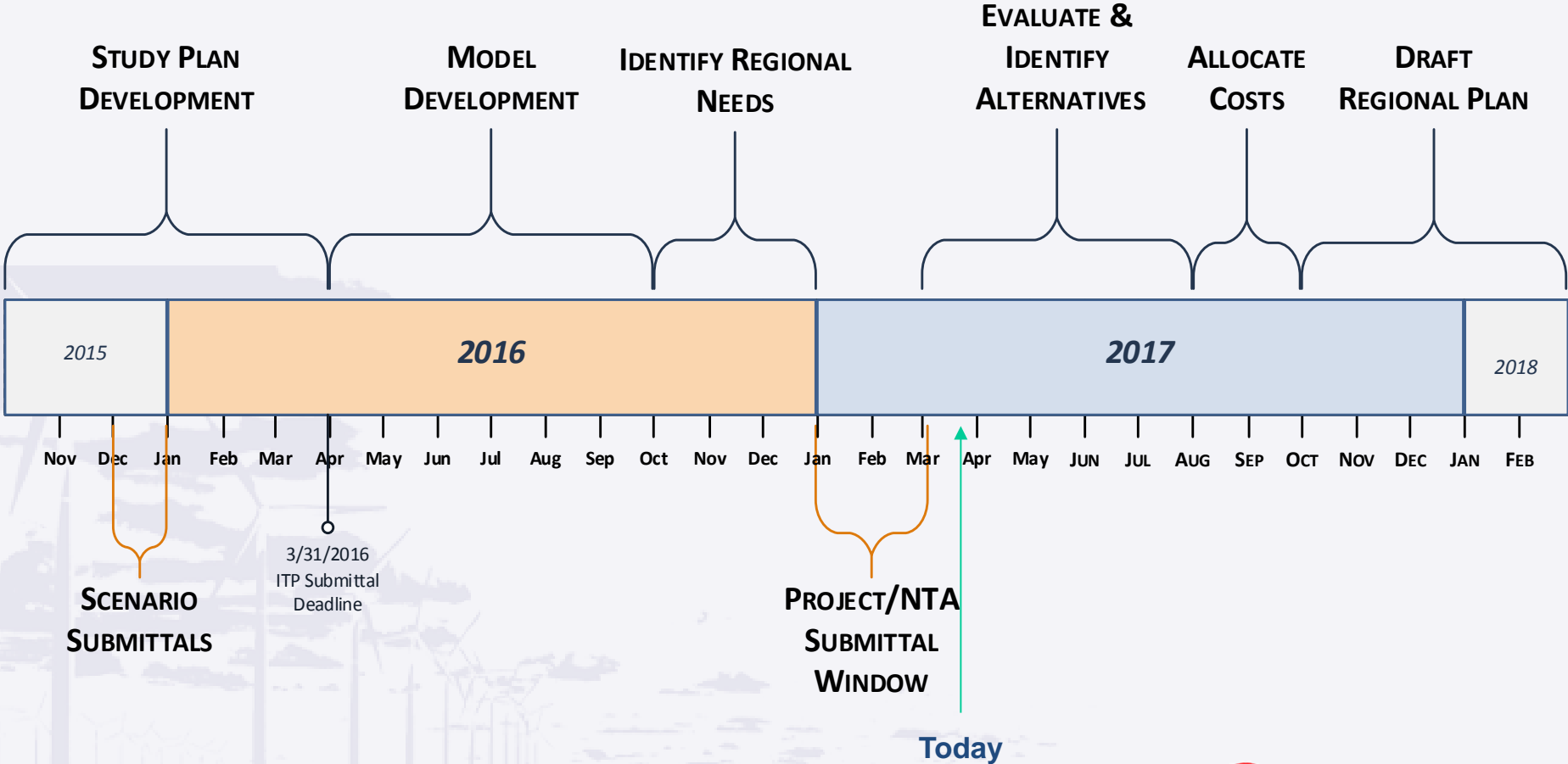


WestConnect Planning Region

WestConnect Subregional Planning Groups



2016-17 Planning Cycle Schedule



Regional Needs Assessment

➤ Regional Needs Assessment Results:

- No regional needs identified

➤ Sensitivity Analyses

➤ Informational analysis only

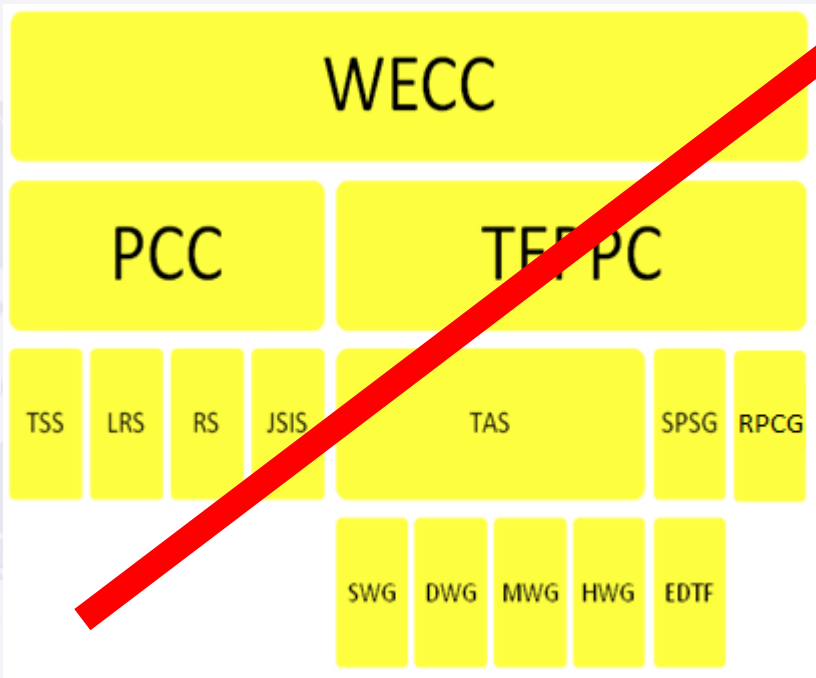
- ▶ High renewables; low headroom
- ▶ Backcast

➤ Next Cycle Begins 2018

WECC

WECC Committee Participation

- **Planning Coordination Committee**
- **Transmission Expansion Planning Policy Committee**
 - **Technical Advisory Subcommittee**
 - **Regional Planning Coordination Group**
 - **Scenario Planning Steering Group**



WECC	Western Electricity Coordinating Council
PCC	Planning Coordination Committee
LRS	Loads and Resource Subcommittee
TSS	Technical Studies Subcommittee
RS	Reliability Subcommittee
JSIS	Joint Synchronized Information Subcommittee
TEPPC	Transmission Expansion Planning Policy Committee
TAS	Technical Advisory Subcommittee
DWG	Data Work Group
HWG	Historical Work Group
MWG	Modeling Work Group
SWG	Studies Work Group
SPSG	Scenario Planning Steering Group
EDTF	Environmental Data Task Force



Stakeholder Opportunity for Comment



Transmission customers update loads, resources and demand responses

Comment Form

CCPG Comment Form

(For Stakeholder Comments, Requests for Clarification, Reliability Studies, Alternative Evaluation, and other General Feedback)

Provide the information in the yellow boxes. If the information is unavailable or unknown, please indicate.

Requester Information:	
Date:	
Requester:	
Address:	
State & Zip:	
Requester Contact:	
Title:	
Phone Number:	
Email:	

General Information:	
Study or Project Name:	
New Study or Alternative:	
Narrative Description:	
Study Horizon Dates:	
Geographic Footprint Impacted:	
Load and Resource Modeling:	
Transmission Modeling:	
Suggested Participants (TP's, LSE's, Work Groups):	
Policy Issues to be Addressed (SB100, RES, FERC, NERC, etc):	
Other Factors to be Considered:	
Type (Powerflow or Stability):	

Return To:	
CCPG Chair:	Wes Wingen
In care of:	Black Hills Corporation
Address:	PO Box 1400
City, State, Zip:	Rapid City, South Dakota, 57709
Phone:	605-721-2268
Email:	Wes.Wingen@blackhillscorp.com

All study requests received from stakeholders will be reviewed and evaluated to determine the appropriate process for addressing. This planning process does not replace the System Impact Study process. Specific requests for transmission service or generation interconnection will continue to be studied pursuant to existing OATT processes.





Stakeholder Questions & Comments

Contact Information

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A photograph of a double rainbow over a landscape. The primary rainbow is on the left, and a secondary rainbow is on the right. A power line tower is visible on the right side of the image. The sky is a mix of blue and purple, suggesting dawn or dusk. The foreground shows a fence and some vehicles.

Next Meeting
March 15, 2018
9:00 a.m.