

SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT MEETING NOTICE AND AGENDA

CUSTOMER UTILITY PANEL

Thursday, August 28, 2025, 9:30 AM

SRP Administration Building
1500 N. Mill Avenue, Tempe, AZ 85288

Members: Michael Hutchinson, Chair; Mary Ann Przybylski, Vice Chair; and Tom Burris, Orlando Cazarez, Jesse Gage, Julie Graham, Joan Krueger, Bryant Powell, Jay Schlum, Mark Schnepf, Scott Stilgenbauer, Haylie Studebaker, Alton Washington, and Mari Westerhausen

Roll Call

Safety Minute

Sustainability Minute

1. Request for Approval of the Minutes for the Meeting of May 1, 2025
..... CHAIR MICHAEL HUTCHINSON
2. President's Office Update VICE PRESIDENT CHRIS DOBSON
3. Load Growth Requires Additional Transmission Infrastructure ZACK HEIM

Informational presentation regarding the vital role of transmission line infrastructure in the electric grid, highlighting its importance in meeting SRP's forecasted energy demand.
4. Diversified Energy Resources: Natural Gas Conversion, Natural Gas Pipeline, Pumped Storage, and Nuclear BOBBY OLSEN

Informational presentation regarding SRP's efforts to pursue a balance of generation resources that will serve customers and the economy in the near-, mid- and long-term.
5. CUP Member Update CHAIR MICHAEL HUTCHINSON
6. Report on Current Events by the General Manager and Chief Executive Officer or Designees JIM PRATT
7. Future Agenda Topics CHAIR MICHAEL HUTCHINSON

Visitors: The public has the option to attend in-person or observe via Zoom and may receive teleconference information by contacting the Corporate Secretary's Office at (602) 236-4398. If attending in-person, all property in your possession, including purses, briefcases, packages, or containers, will be subject to inspection.



THE NEXT CUSTOMER UTILITY PANEL MEETING IS
SCHEDULED FOR THURSDAY, OCTOBER 30, 2025

08/21/2025

**SAFETY MINUTE: HYDRATION
SRP CUSTOMER UTILITY PANEL**

**SARA MCCOY
DIRECTOR, RISK MANAGEMENT
AUGUST 28, 2025**



Delivering water and power™

SAFETY MINUTE: HYDRATION



Daily

- Water is best, avoid alcohol and drinks that are high in caffeine
- National Academy of Medicine recommends 125-130oz/day for adult men and 91-95oz/day for adult women
- Sipping is more effective than chugging



Prepare for strenuous activity

- Plan to work/play in cooler hours of the day
- Pack enough water to be able to drink 1 quart/hour (e.g. 1 gallon for a 4-hour hike)
- Be extra vigilant of hydration, aiming to drink 91-130oz of water the day before



In the Heat

- The CDC recommends drinking 8oz of water every 15-20 minutes
- It is easier to maintain hydration than trying to become hydrated in the heat or while working

Risks

- Slowed brain function
- Heat stroke
- Heat stress
- Increased risk of heart issues



Sustainability Minute Green Transportation

Customer Utility Panel

Zack Heim | Aug 28, 2025

Sustainable Ways to Travel

In 2022, direct and indirect greenhouse gas emissions from transportation accounted for 29% of total U.S. greenhouse gas emissions, according to the U.S. Environmental Protection Agency (EPA). To mitigate that impact, consider one of the following three ways to travel greener:

1. Carpooling

- Offers a solution to traffic congestion, leading to lower emissions and improved air quality.
- An individual carpooler may reduce greenhouse gas (GHG) emissions by approx. 4-5%. (UC Berkeley Report)
- Employees carpooling both on the way to and from work can potentially decrease CO2 emissions by 22%-28% .

2. Cycling

- Bikes produce zero carbon emissions
- Choosing a bike over a car just once a day reduces the average person's transportation carbon emissions by 67%.
- A moderate increase in bicycling each year could save 6 to 14 million tons of carbon dioxide emissions.
- It's also a great way to stay active and healthy!

3. Public Transportation

- If just one driver per household switched to taking public transportation for a daily commute of 10 miles each way, this would save 4,627 pounds of carbon dioxide per household per year.
- U.S. bus transit, which has about a quarter (28%) of its seats occupied on average, emits an estimated 33% lower GHG emissions per passenger mile than the average U.S. single occupancy vehicle.



MINUTES
CUSTOMER UTILITY PANEL
SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT
DRAFT

May 1, 2025

A meeting of the Customer Utility Panel (CUP) of the Salt River Project Agricultural Improvement and Power District (the District) convened at 9:30 a.m. on Thursday, May 1, 2025, from the Hoopes Board Conference Room at the SRP Administration Building, 1500 North Mill Avenue, Tempe, Arizona. This meeting was conducted in-person and via teleconference in compliance with open meeting law guidelines.

CUP Members present at roll call were M.A. Przybylski, Vice Chair; and T. Burris, O. Cazarez, J. Gage, J.A. Graham, J. Krueger, B.F. Powell, J. Schlum, S. Stilgenbauer, H. Studebaker, and A.J. Washington.

CUP Members absent at roll call were M.T. Hutchinson, Chair; M. Schnepf and M. Westerhausen.

Also present were Vice President C.J. Dobson; Board Liaison P.E. Rovey; Council Chair J.R. Shelton; Council Members E.L. Gorsegrner, B.E. Paceley, and C. Resch-Geretti; and I.R. Avalos, J.M. Baran, M.J. Burger, T. Cooper, J.M. Felty, M.K. Greene, J.E. Guerrero, L.F. Hobaica, B.J. Koch, K.J. Lee, S.C. McCoy, L.A. Meyers, B.A. Olsen, J. Potter, C.M. Sifuentes-Kohlbeck, and G.M. Traasdahl of SRP.

In compliance with A.R.S. §38-431.02, Andrew Davis of the Corporate Secretary's Office had posted a notice and agenda of the CUP meeting at the SRP Administration Building, 1500 North Mill Avenue, Tempe, Arizona, at 9:00 a.m. on Tuesday, April 29, 2025.

Safety Minute

Using a PowerPoint presentation, Sara C. McCoy, SRP Director of Risk Management, provided a safety minute regarding how to protect your valuables.

Copies of the PowerPoint slides used in this presentation are on file in the Corporate Secretary's Office and, by reference, made a part of these minutes.

Sustainability Minute

Using a PowerPoint presentation, Jay E. Guerrero, SRP Senior Manager of Operations Planning, provided a sustainability minute regarding kitchen item swaps that reduce waste at home.

Copies of the PowerPoint slides used in this presentation are on file in the Corporate Secretary's Office and, by reference, made a part of these minutes.

Approval of Minutes

On a motion duly made by CUP Member A.J. Washington, and seconded by CUP Member J. Krueger, the CUP approved the minutes for the meeting of January 30, 2025, as presented.

Corporate Secretary J.M. Felty polled the CUP Members on CUP Member A.J. Washington's motion to approve the minutes for the meeting of January 30, 2025. The vote was recorded as follows:

YES:	CUP Members M.A. Przybylski, Vice Chair; and T. Burris, O. Cazarez, J. Gage, J.A. Graham, J. Krueger, B.F. Powell, J. Schlum, S. Stilgenbauer, H. Studebaker, and A.J. Washington	(11)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	CUP Members M.T. Hutchinson, Chair; and M. Schnepf and M. Westerhausen	(3)

President's Office Update

Vice President C.J. Dobson provided a President's Office update.

J.E. Guerrero, B.J. Koch, and S.C. McCoy of SRP left the meeting during the update. CUP Members M. Schnepf and M. Westerhausen; Board Member S.D. Kennedy; M.J. O'Connor and J.M. Pratt of SRP entered the meeting during the report.

Vice President C.J. Dobson left the meeting.

Nuclear Roadmap

Using a PowerPoint presentation, Tom Cooper, SRP Senior Director of Future System Assets and Strategy, stated that the purpose of the presentation was to provide information regarding an overview of potential roadmaps that a United States-based electric utility could follow to set the foundation for a viable pathway to new nuclear power generation by the early 2040s.

T. Cooper provided the following background on the Palo Verde Nuclear Generating Station: 1) became fully operational in 1988; 2) operated by Arizona Public Service (APS); 3) employs over 2,000 full-time employees; 4) nearly 4,000 megawatts (MW) of nameplate capacity; and 5) SRP is 20.2% owner. They presented recent news headlines regarding nuclear projects.

T. Cooper provided a North American map, and announcements made in 2024 regarding new nuclear projects. They said that the timeline for new nuclear projects consists of the following six phases: 1) project initiation; 2) siting; 3) licensing; 4) site preparation; 5) construction; and 6) startup and commissioning.

T. Cooper explained that to have new nuclear as a possibility for the early 2040s, early planning work needs to begin now. They stated that SRP, APS, and Tucson Electric Power (TEP) applied for a grant from the U.S. Department of Energy (DOE) to begin preliminary exploration of a potential site for additional nuclear energy in Arizona.

T. Cooper said that the application has been submitted under the DOE's Generation III+ Small Modular Reactor program. They explained that if the application is approved, the grant would support a three-year site selection process and possible preparation of an early site permit application to the Nuclear Regulatory Commission.

T. Cooper posed the following questions to the CUP for feedback: 1) What considerations around nuclear are important and need to be addressed for our communities? 2) How can the nuclear industry build trust with communities? and 3) What policies need to be in place for a community to be comfortable with nuclear generation? They concluded with a discussion regarding key takeaways.

T. Cooper responded to questions from the CUP.

Copies of the PowerPoint slides used in this presentation are on file in the Corporate Secretary's Office and, by reference, made a part of these minutes.

CUP Member Update

CUP Vice Chair M.A. Przybylski conducted a roundtable.

Council Chair J.R. Shelton left the meeting. Council Liaison J.L. Miller entered the meeting.

Report on Current Events by the General Manager and Chief Executive Officer or Designees

Jim M. Pratt, SRP General Manager and Chief Executive Officer, reported on a variety of federal, state, and local topics of interest to the CUP.

Future Agenda Topics

CUP Vice Chair M.A. Przybylski asked the CUP if there were any future agenda topics. None were requested.

There being no further business to come before the CUP, the meeting adjourned at 11:06 a.m.

John M. Felty
Corporate Secretary



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LOAD GROWTH REQUIRES TRANSMISSION

Customer Utility Panel

Zack Heim | August 28, 2025

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AGENDA



**Transmission
Planning
Overview**



**Evolving
Planning
Requirements**



**Work In-
Progress**

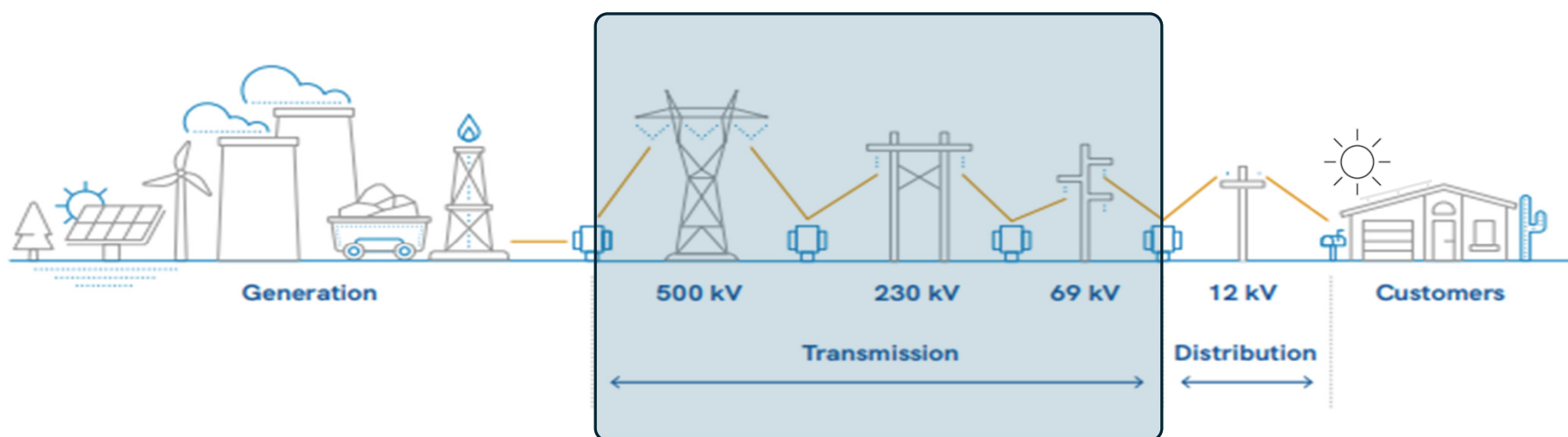


Key Strategies

TRANSMISSION PLANNING OVERVIEW

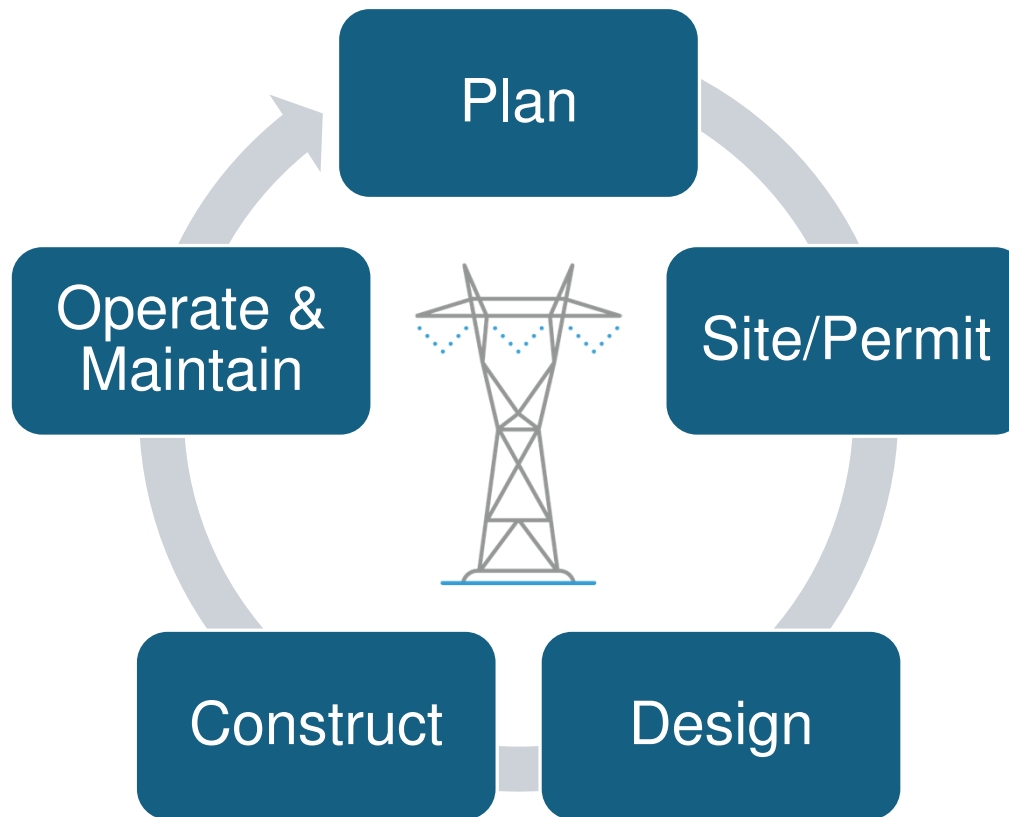
TRANSMISSION PLANNING OVERVIEW

The Transmission System



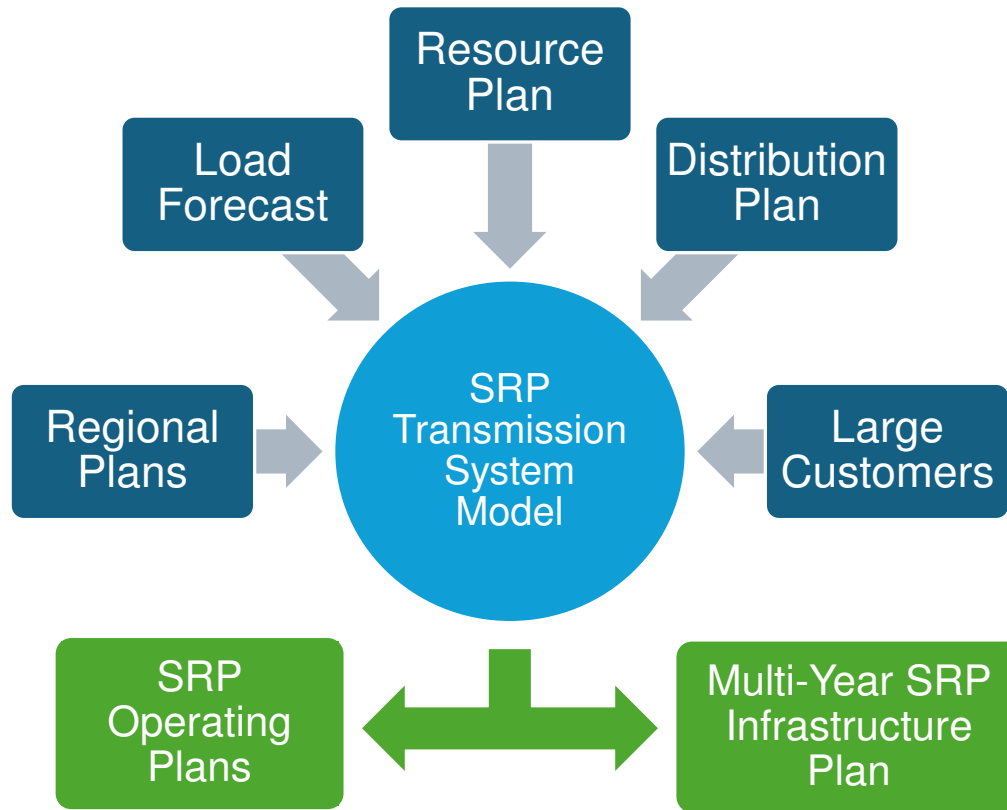
TRANSMISSION PLANNING OVERVIEW

Transmission Asset Lifecycle

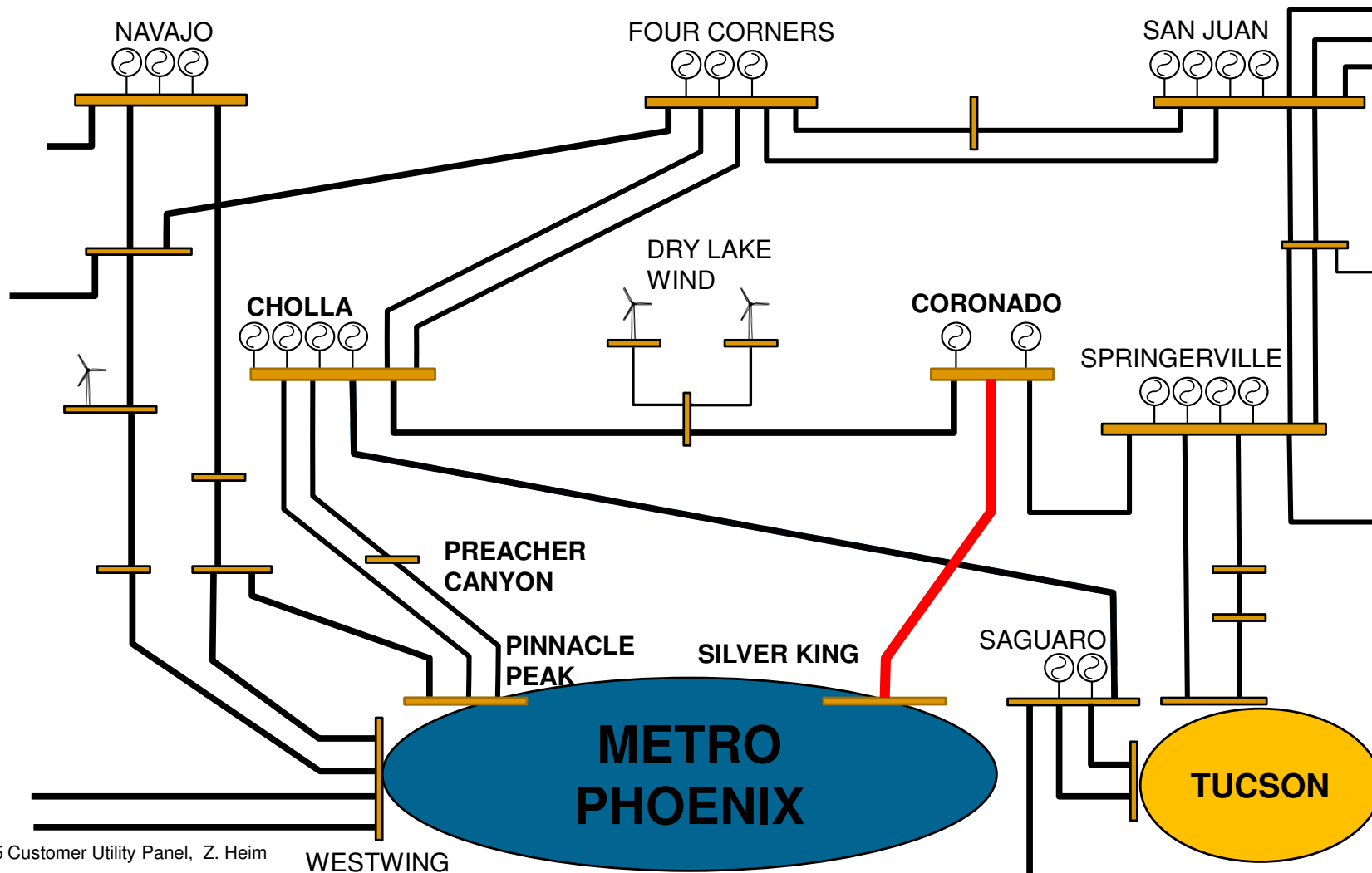


TRANSMISSION PLANNING OVERVIEW

Planning Inputs and Outputs



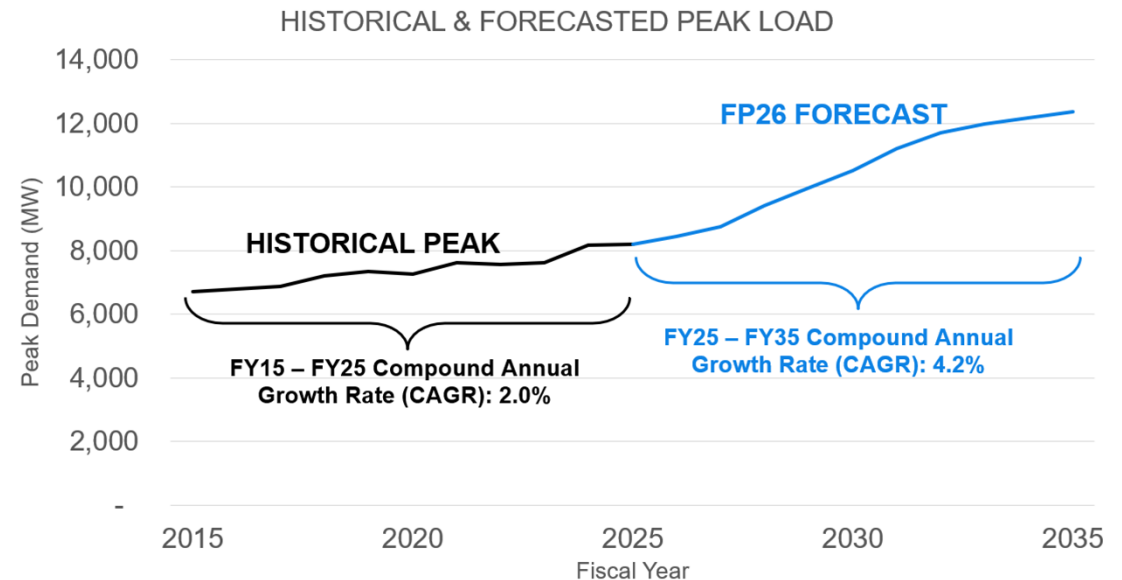
Planning a Network



TRANSMISSION PLANNING OVERVIEW

Key Transmission Expansion Drivers

- Load Growth
 - Large industrial + traditional growth
- Resource Transition
 - Geographic diversity
 - Generation to load ratio

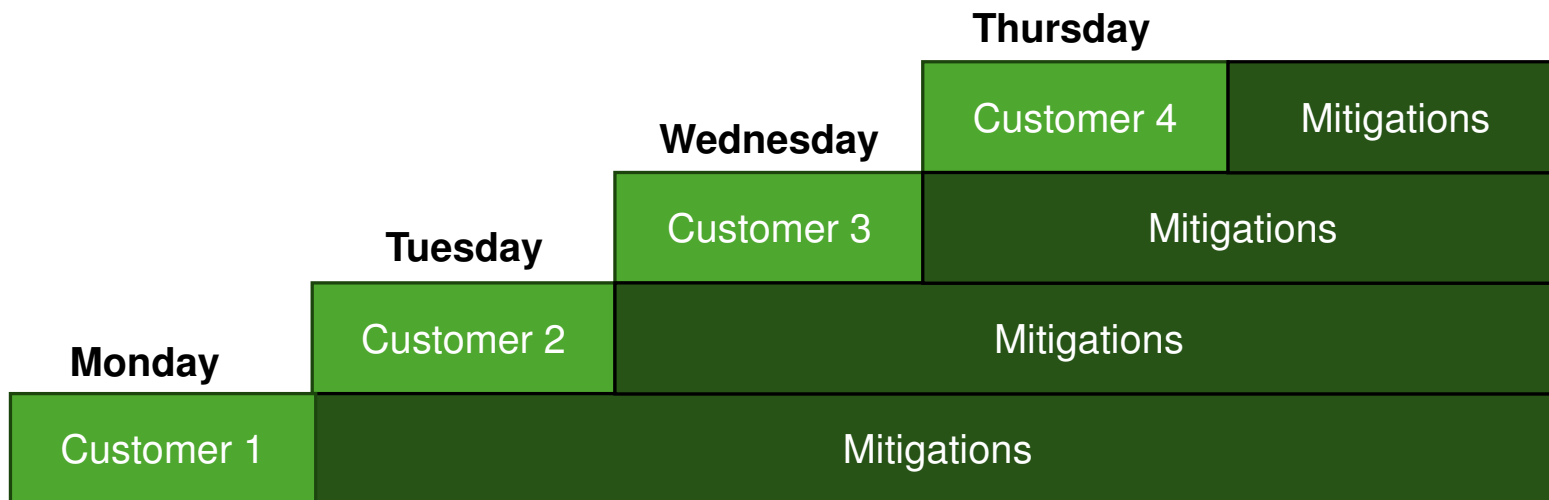


EVOLVING PLANNING REQUIREMENTS

EVOLVING PLANNING REQUIREMENTS

From Serial Planning Process...

Each subsequent study accounts for previous mitigations

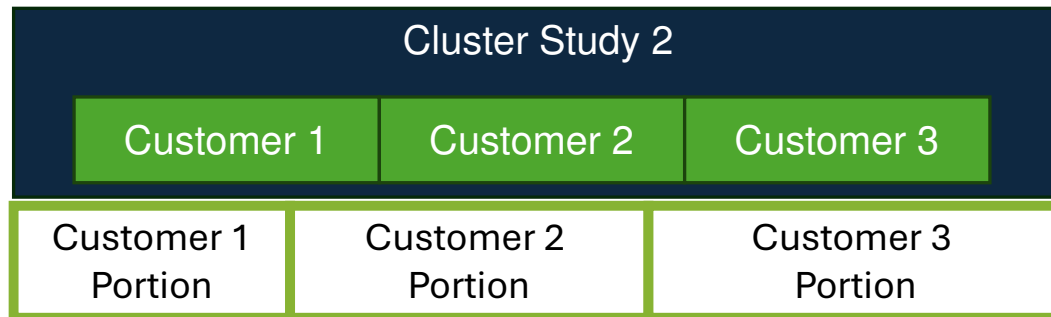
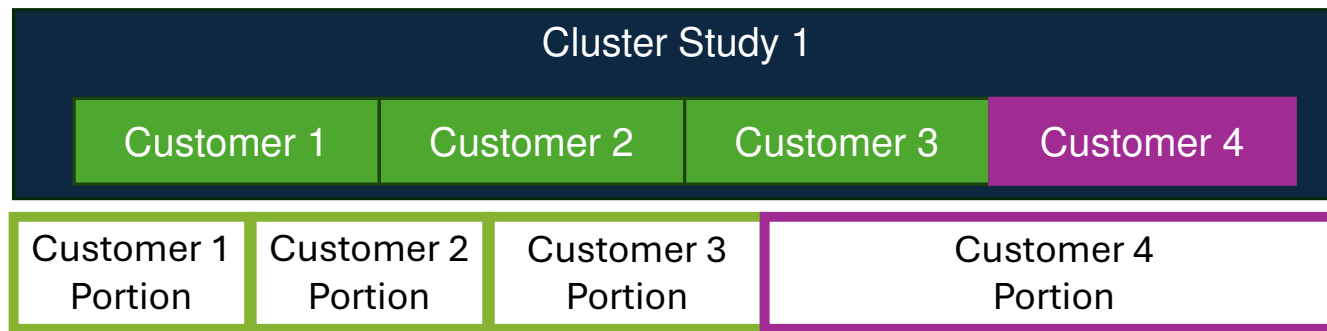


Friday



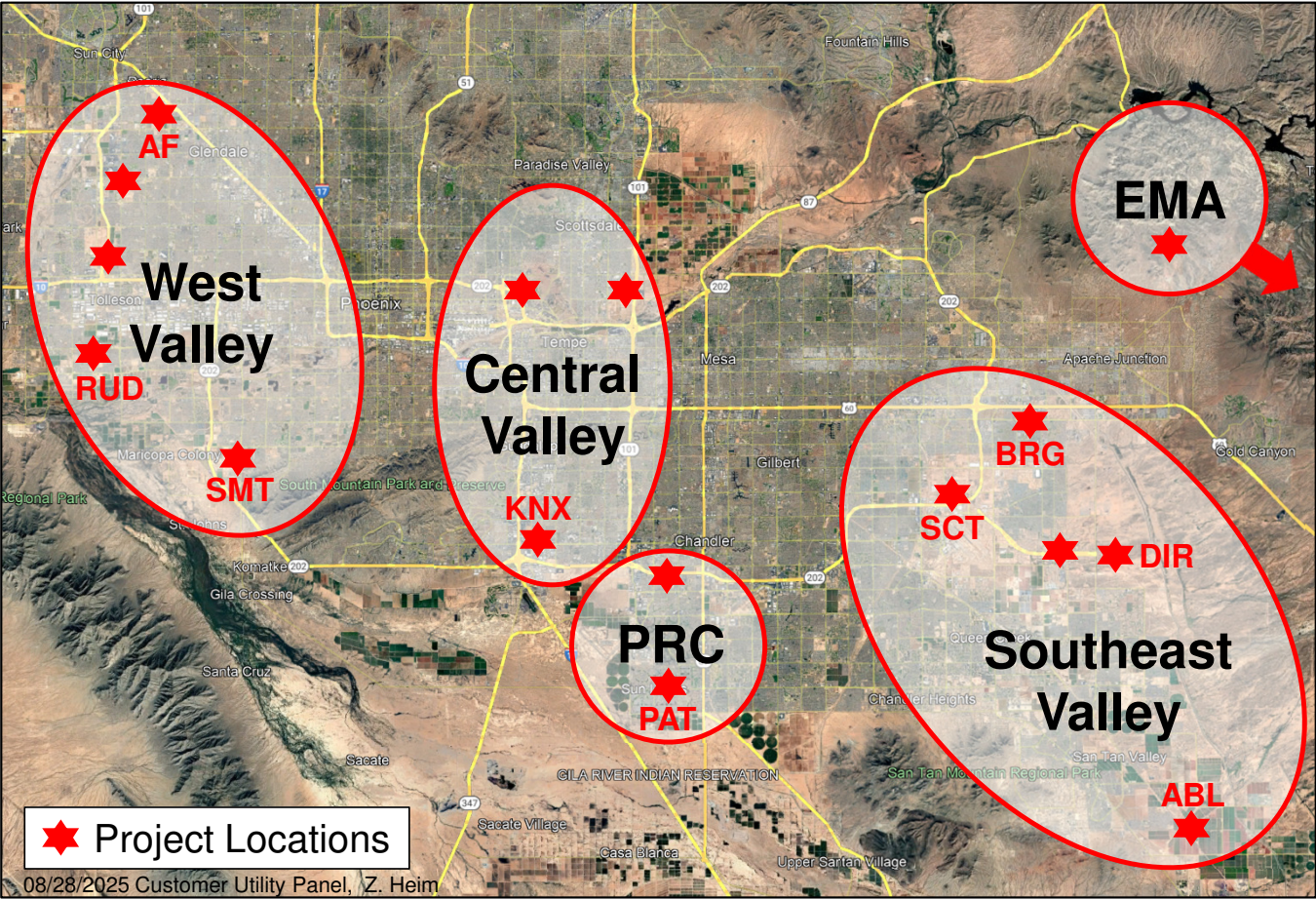
EVOLVING PLANNING REQUIREMENTS

... To A Cluster Planning Process



EVOLVING PLANNING REQUIREMENTS

Large Customer Strategy

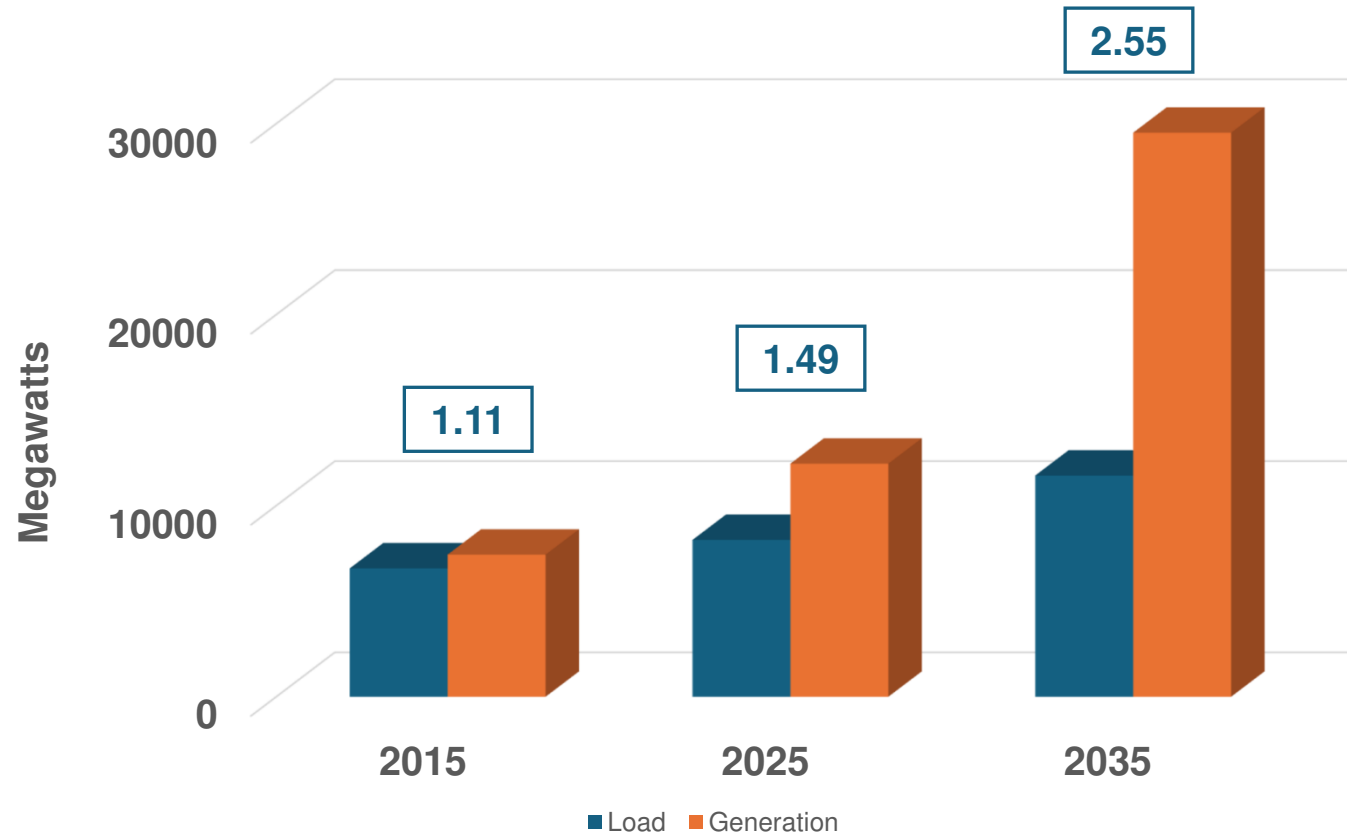


Area	Serial	Cluster
WV	4 Proj 1.4 GW	11 Proj 2.4 GW
CV	6 Proj 972 MW	1 Proj 150 MW
PRC	7 Proj 1.4 GW	2 Proj 234 MW
SEV	16 Proj 3 GW	10 Proj 4.4 GW
EMA	2 Proj 210 MW	None
Total	35 Proj 7 GW	24 Proj 7.2 GW

- 52 Data Center
- 4 Manufacturing
- 2 Mining
- 1 Hospitality

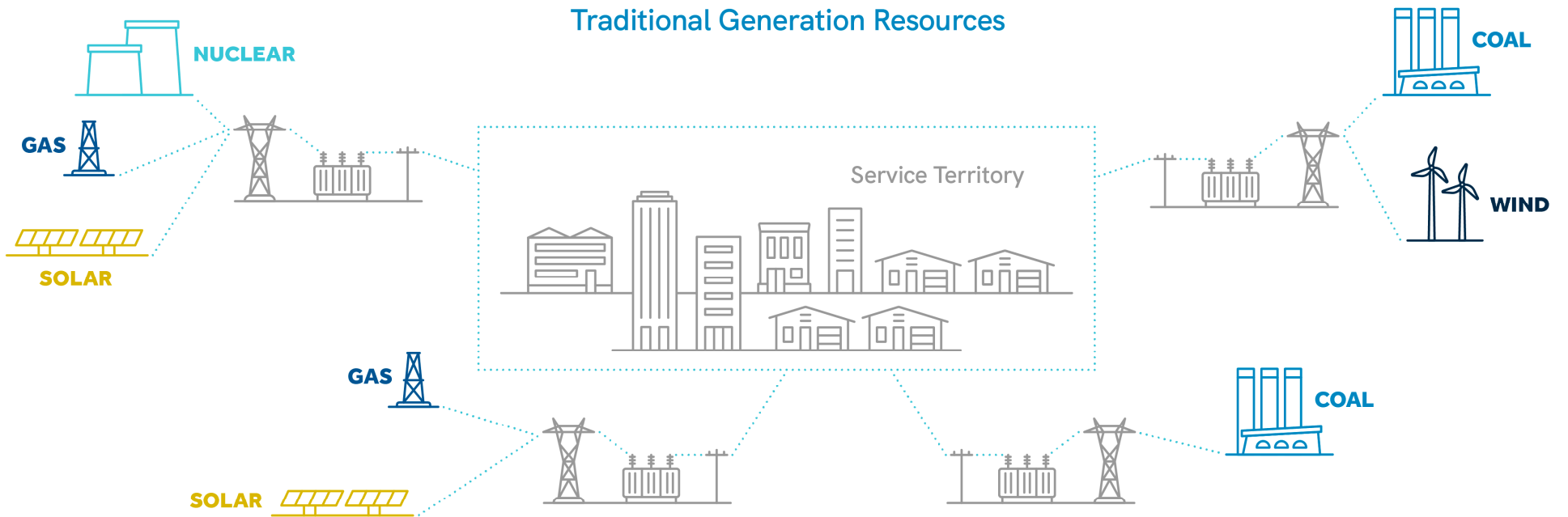
EVOLVING PLANNING REQUIREMENTS

Ratio of Generation to Load



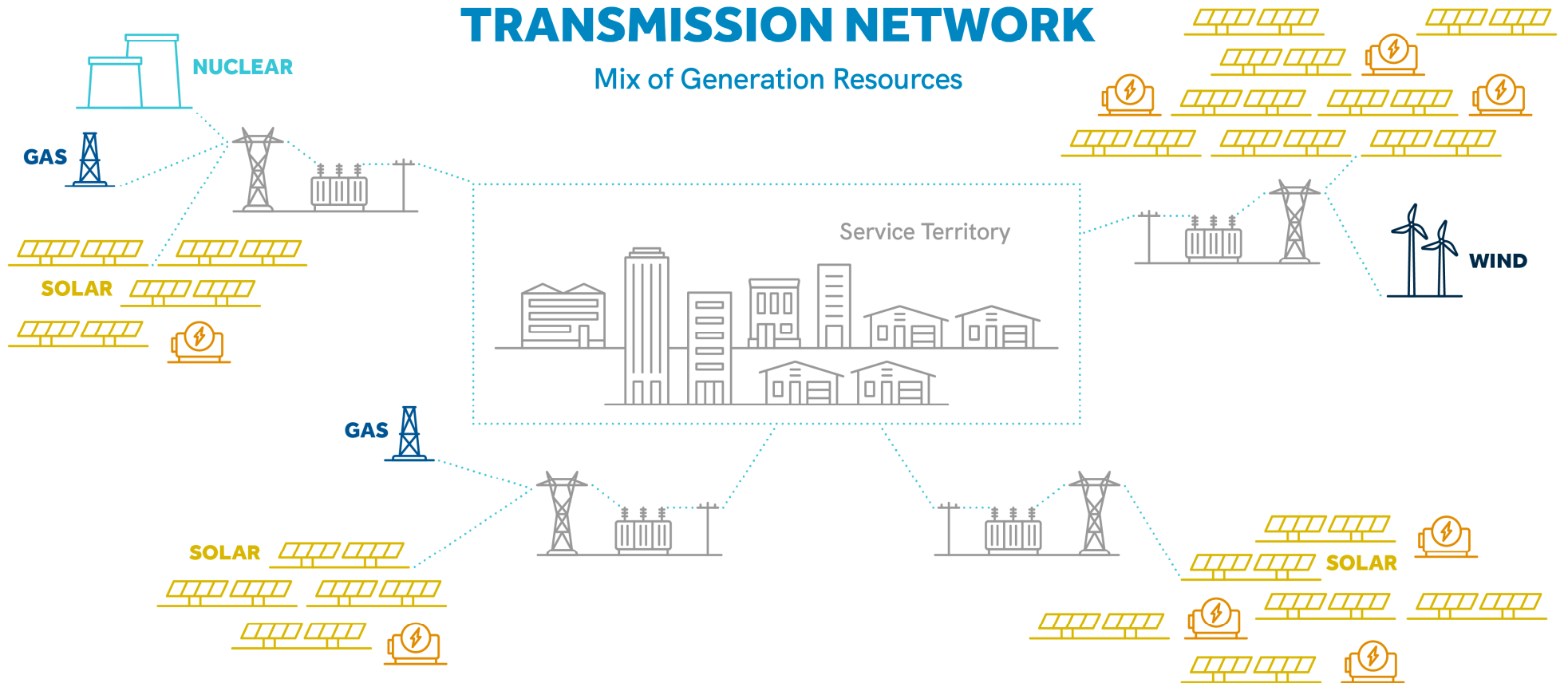
SRP'S CURRENT TRANSMISSION NETWORK

Traditional Generation Resources



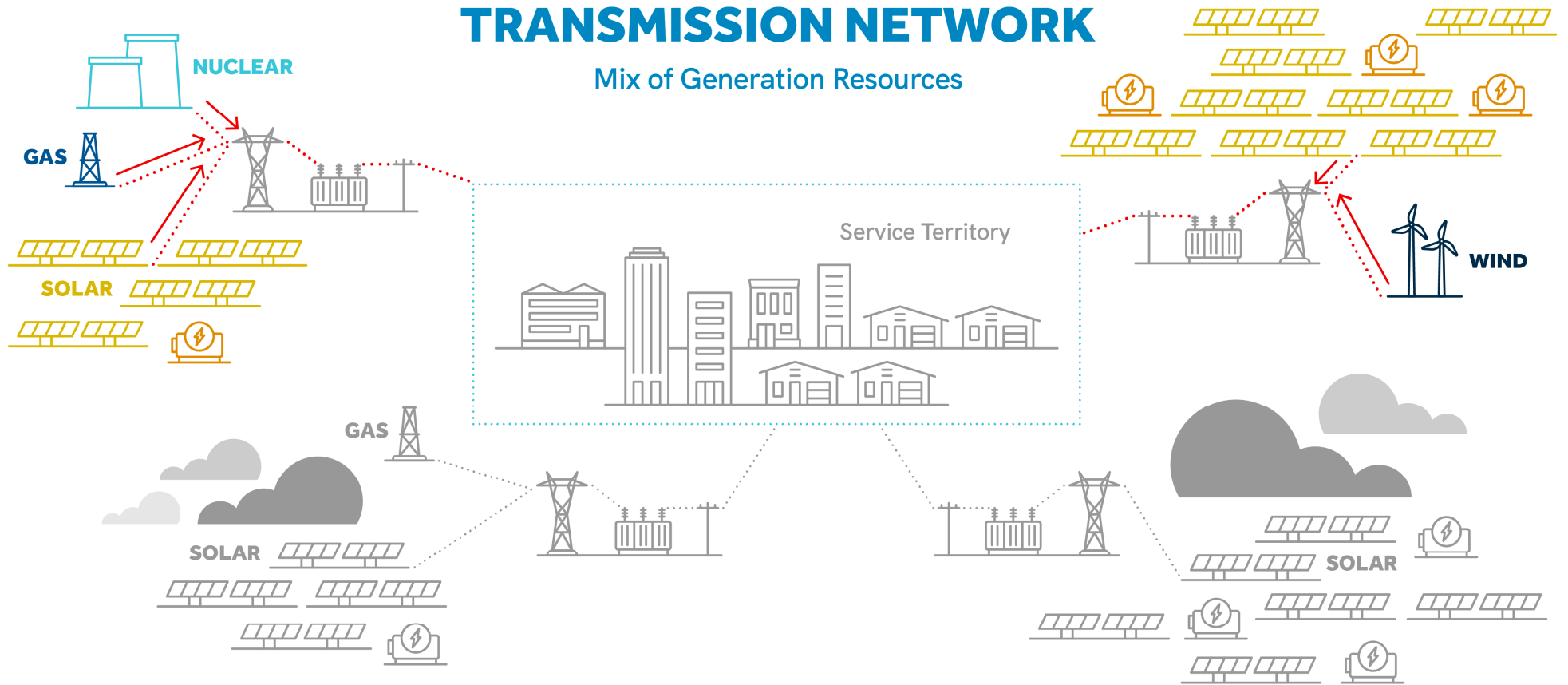
SRP'S FUTURE TRANSMISSION NETWORK

Mix of Generation Resources



SRP'S FUTURE TRANSMISSION NETWORK

Mix of Generation Resources



EVOLVING PLANNING REQUIREMENTS

Key Takeaways

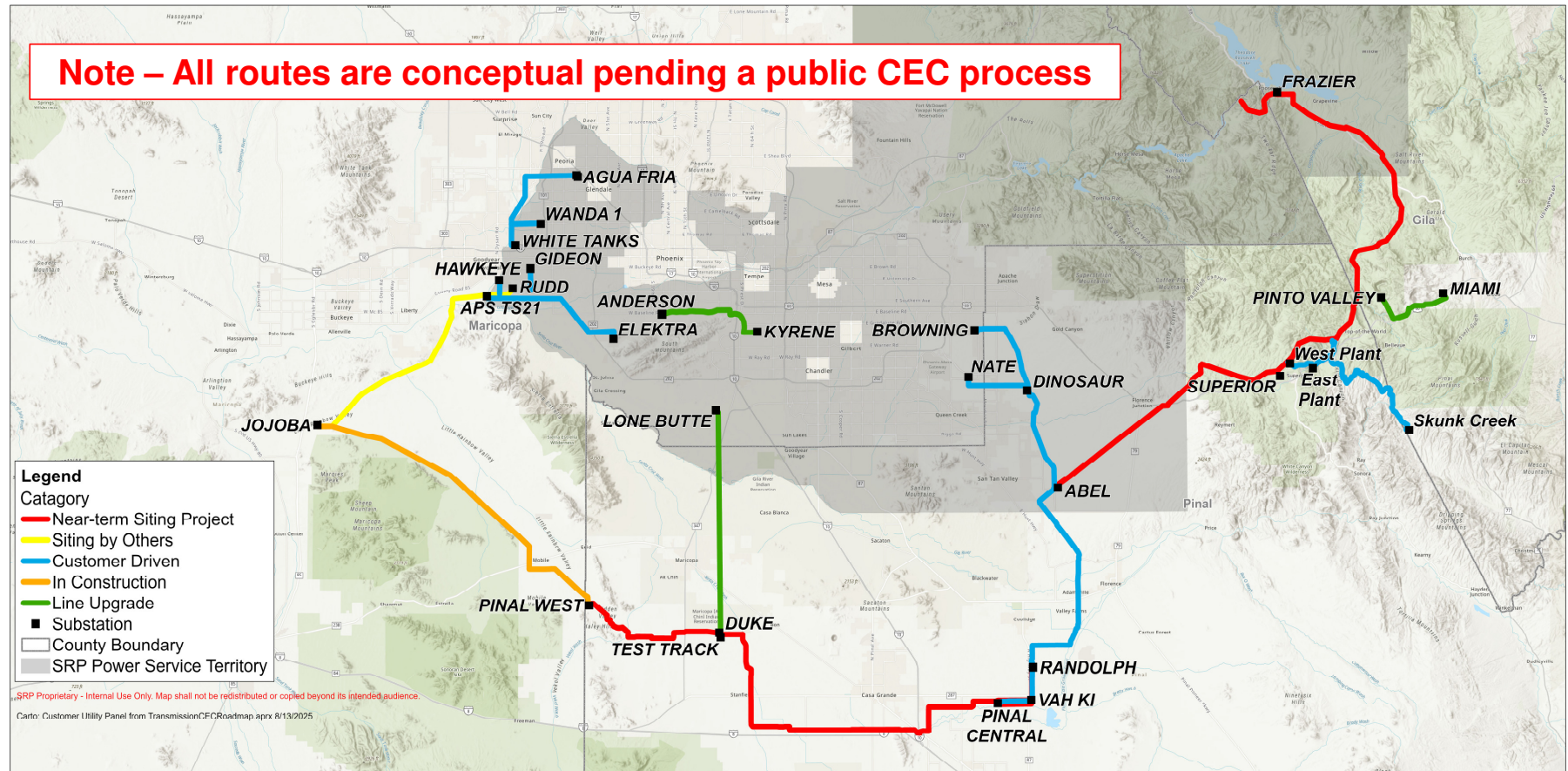
- Large-scale customers require system-wide planning
- Generation and Transmission planning are linked
- Transmission planning is iterative



WORK IN PROGRESS

WORK IN PROGRESS

Near-Term Transmission

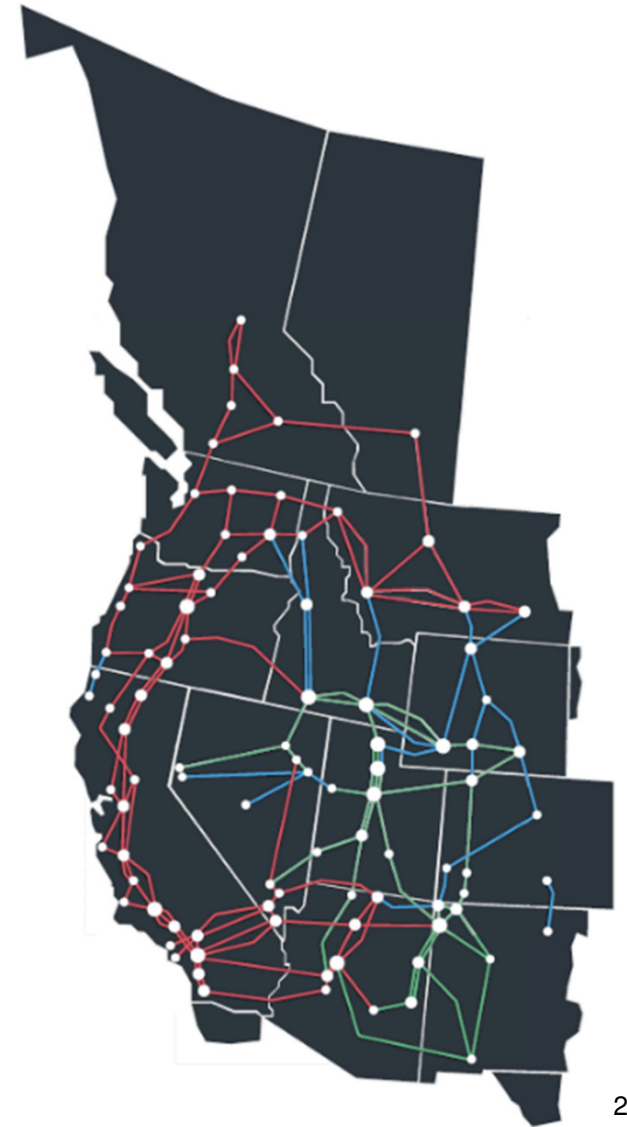
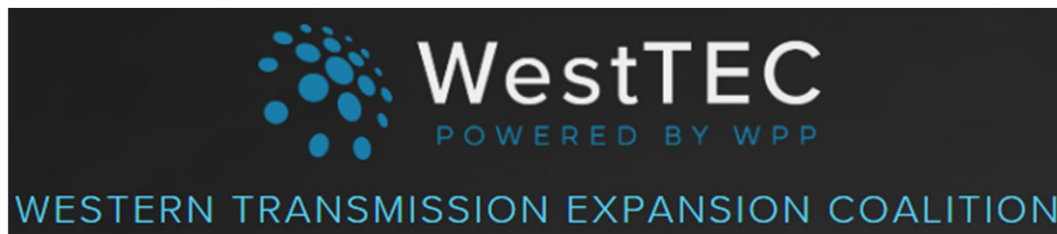


08/28/2025 Customer Utility Panel, Z. Heim

KEY STRATEGIES

Strategic Planning Practices

- Western Transmission Expansion Coalition (WestTEC)
 - Coordinated by the Western Power Pool
 - West-wide study effort
 - Evaluates 10- and 20-year horizon



Partnerships


- 2025 EPC Partnership Goal
 - Siting to Construction
 - Embedded within Cluster Process
- APS and TEP Shared Development
- Third-Party Development





THANK YOU





Customer Utility Panel Diversified Energy Resources

Bobby Olsen

Associate General Manager & Chief Planning, Strategy and Sustainability Executive

August 28, 2025



Mission

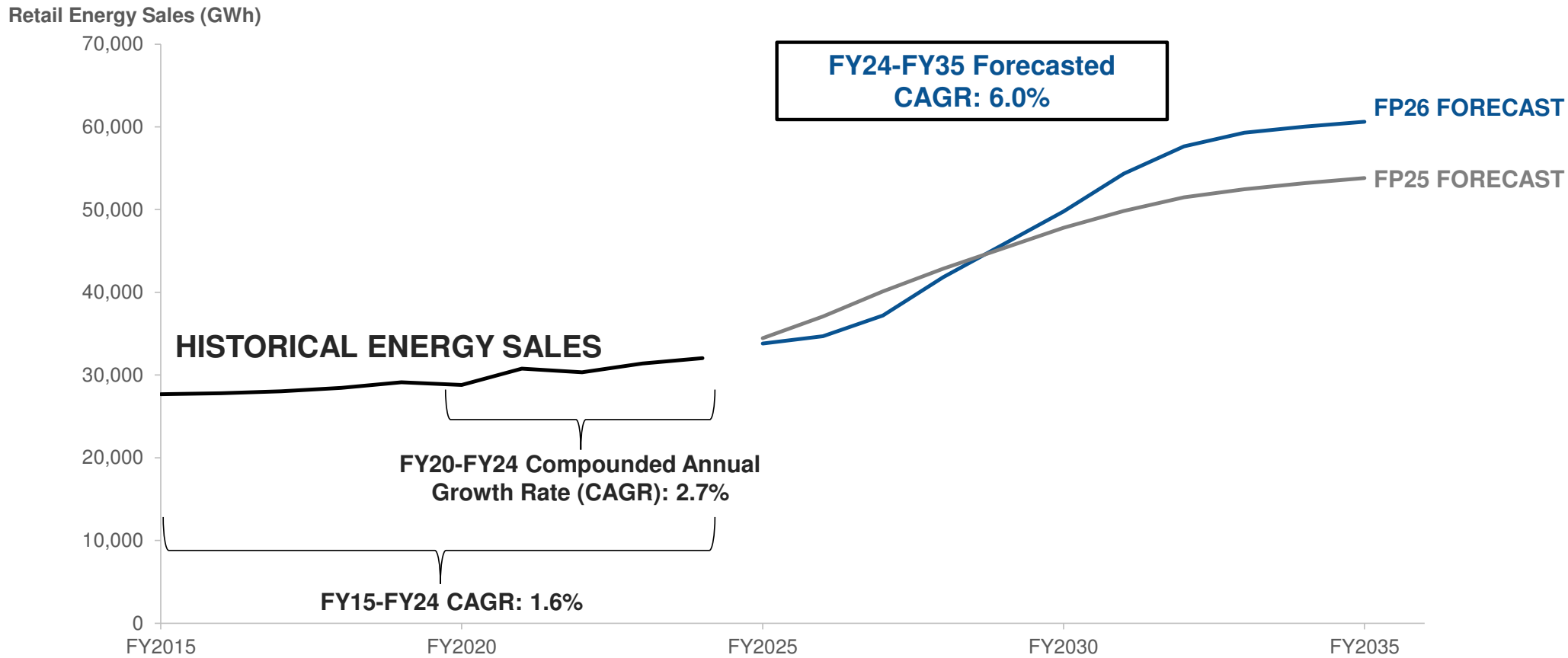
SRP serves our customers and communities by providing reliable, affordable and sustainable water and energy.



2050 Vision

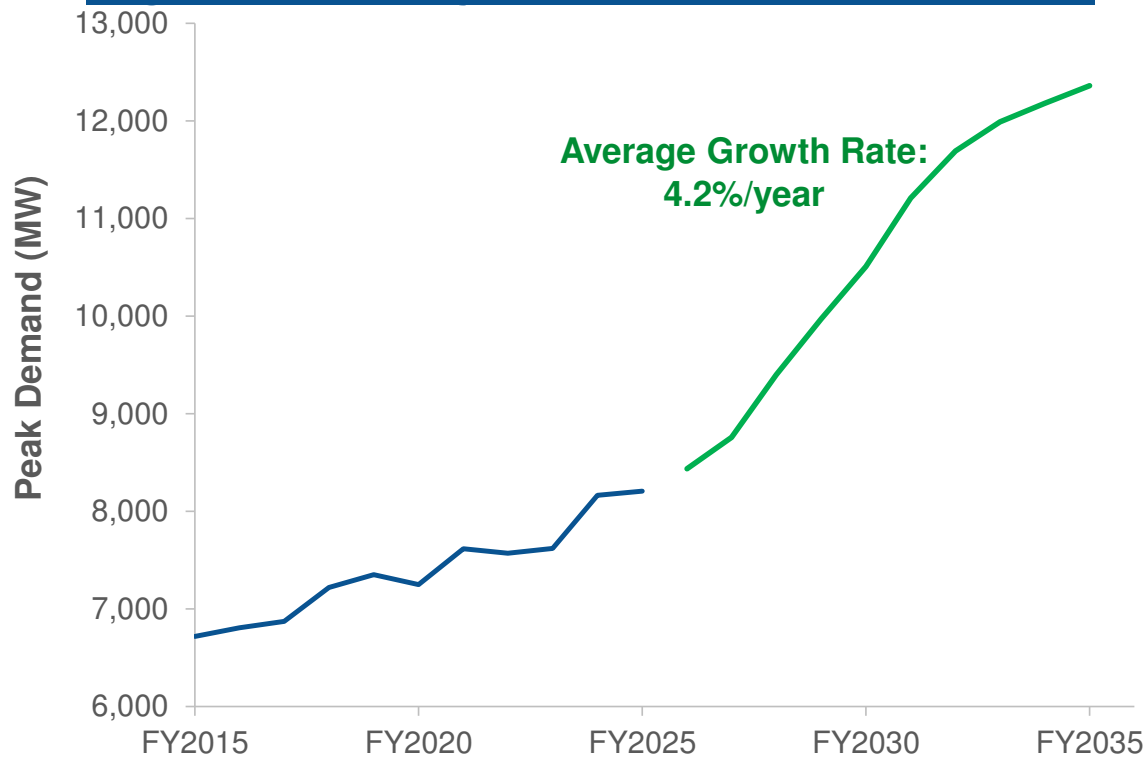
A secure water and clean energy future empowers Arizona to thrive for generations to come.

SRP FP26 Energy Forecast



Key Drivers for Infrastructure Needs

Significant Projected Growth in Demand

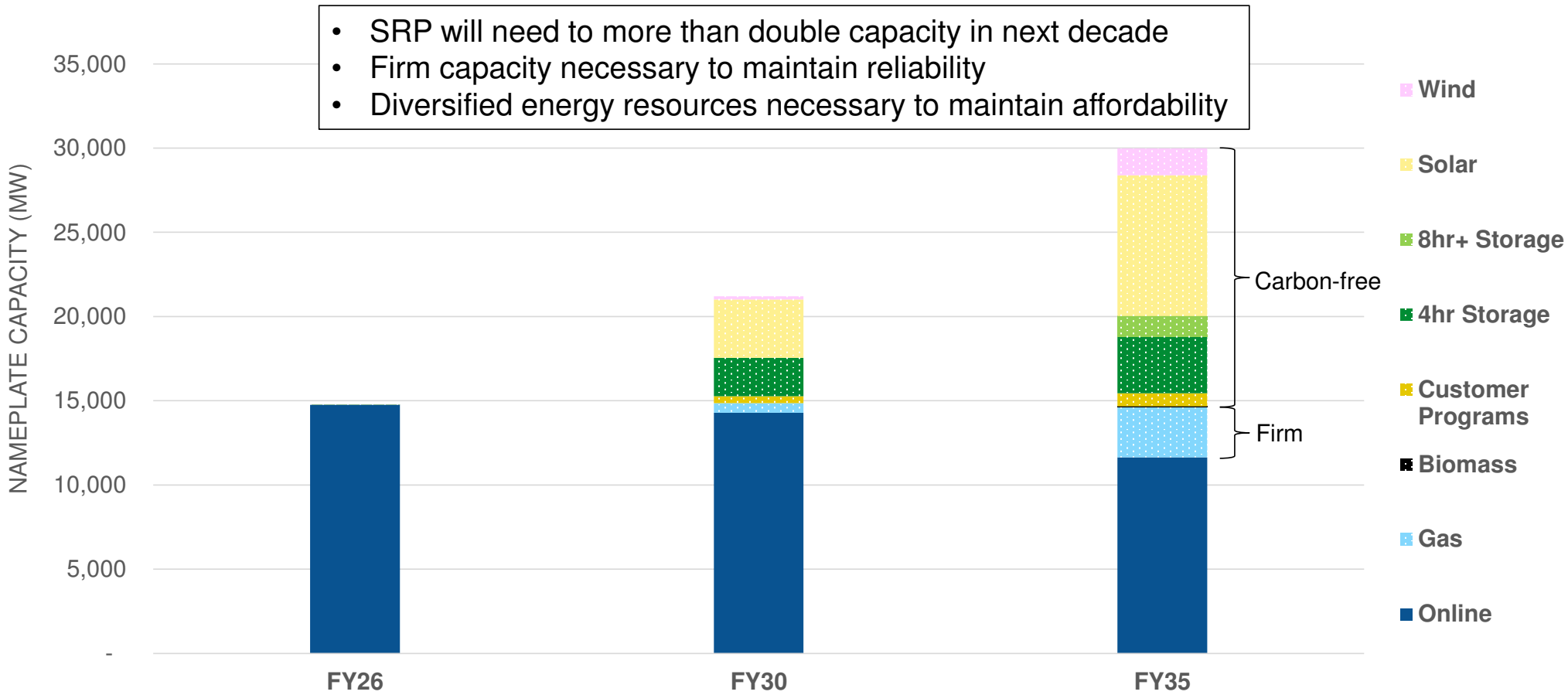


Carbon Reduction Goals

By 2035: Reduce the amount of CO₂ emitted by generation (per MWh) by 82% from 2005 levels by 2035

By 2050: Net zero carbon emissions

SRP FP26 Resource Plan



Significant Infrastructure Needed for Growth

- This growth is occurring within Maricopa and Pinal Counties
- The energy systems for Arizona are reaching its limits
 - Requires significant investment in resources, transmission, pipeline, etc
- Infrastructure investments are needed
 - Gas pipeline and infrastructure to support growth and maintain reliability
 - Diversification of energy storage technologies
 - Pursuit of potential new nuclear for carbon free firm and diversification of firm resources
- Coordination and partnership will be key to success in pursuing each area of interest

Natural Gas Pipeline

Natural Gas Pipeline Investment

ENERGY

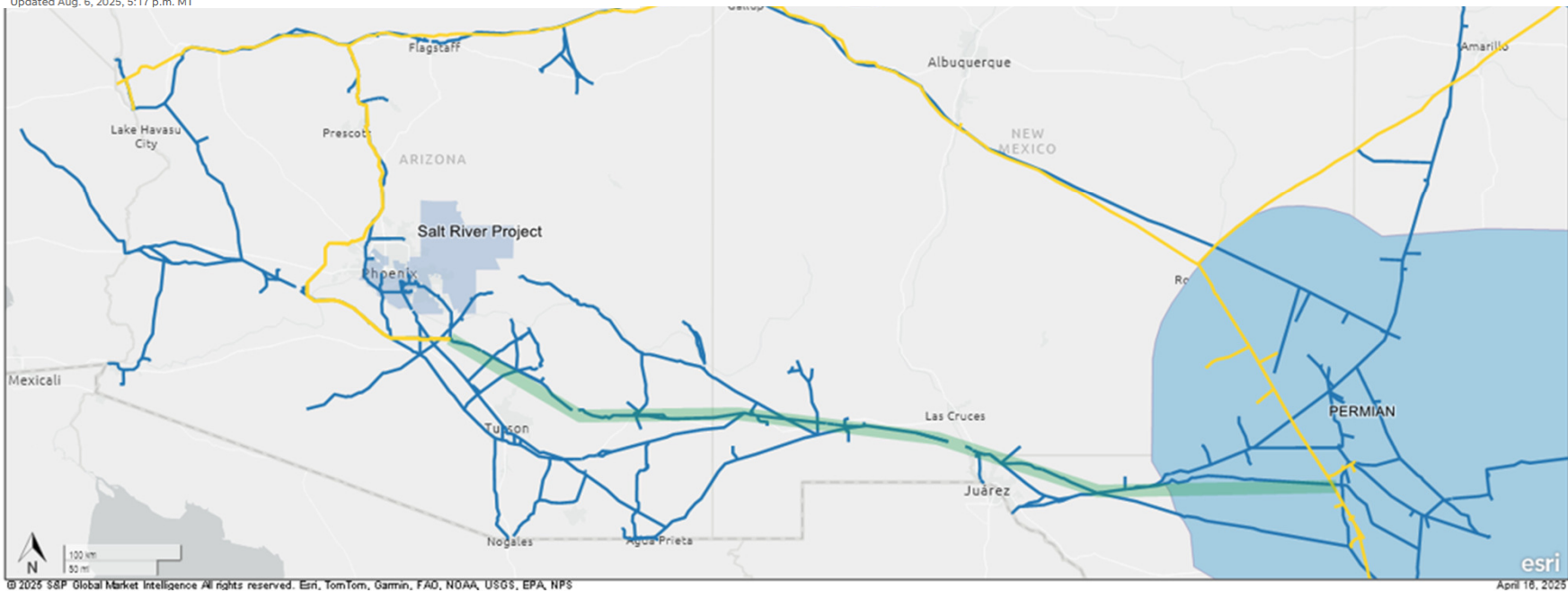
Arizona utilities to get natural gas from new pipeline as power demand grows



Sasha Hupka
Arizona Republic

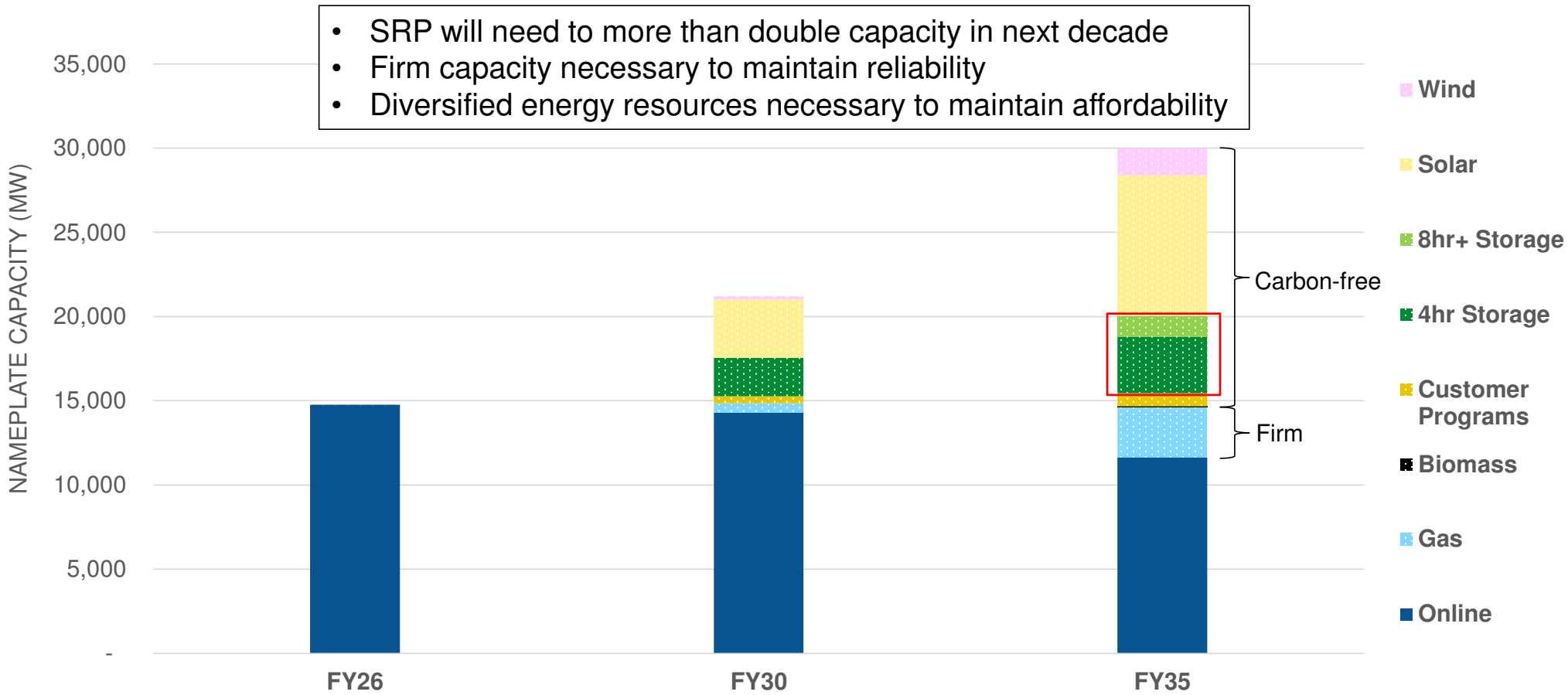
Updated Aug. 6, 2025, 5:17 p.m. MT

- Transwestern announced \$5.3B pipeline expansion for 2030
- 600+ mile expansion from West Texas Permian to Central Arizona
- SRP, APS, TEP, and others contracting for priority rights
- Will support near-term growth amidst an energy transition



Pumped Storage

SRP FP26 Resource Plan



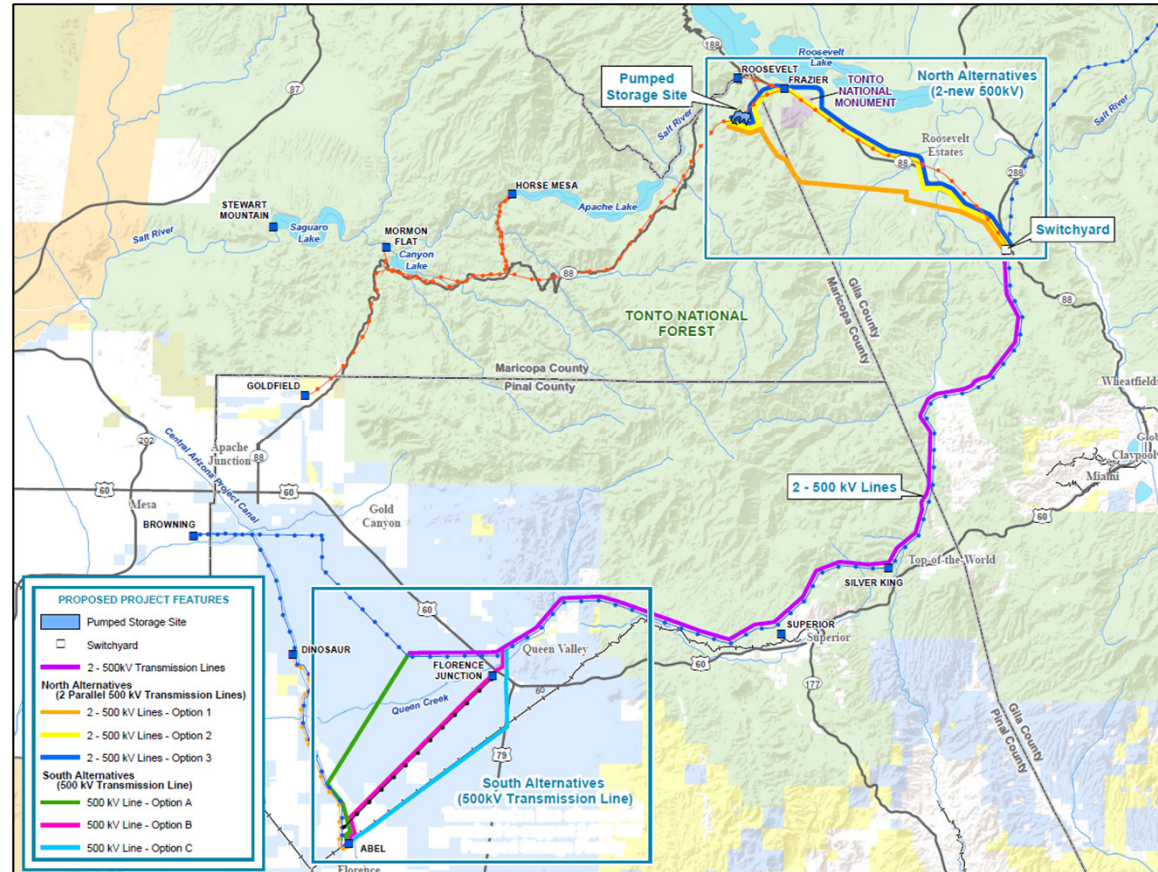
Project Background

- **Benefits:**

- Provides key grid benefits, including firm capacity and inertia
- Diversifies storage resources
- Long-lived asset

- **Key Attributes and Costs:**

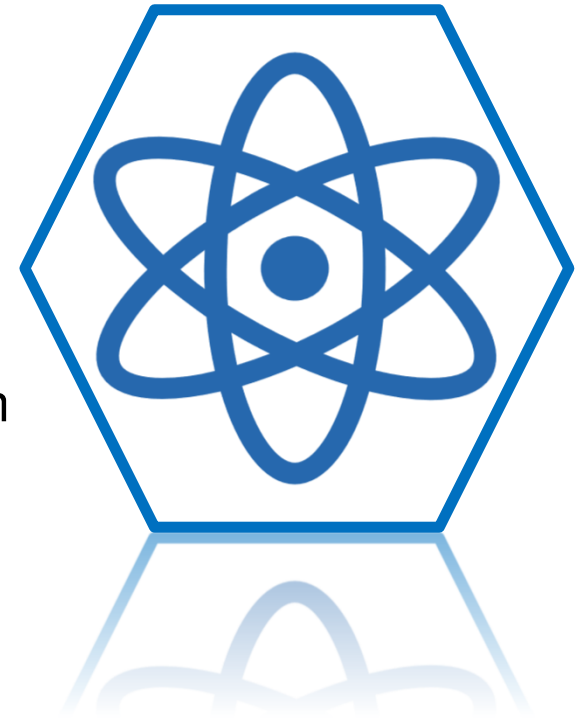
- Storage Duration: 10+ Hours
- First 1,000 MW by 2033
- Second 1,000 MW by 2037
- \$5B to \$7B+, including transmission
- Pursuing partnership with others for the benefit of Arizona



Nuclear

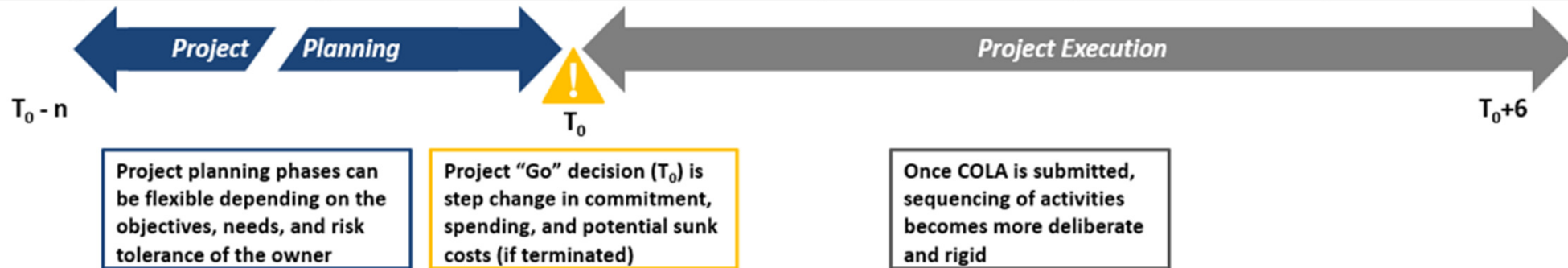
New Nuclear Exploration

- Technological diversity is foundational to any resilient resource strategy
- New nuclear represents a valuable option for a balanced resource portfolio
- To have a realistic chance at having a new nuclear resource by ~2040, deliberate planning actions must begin now

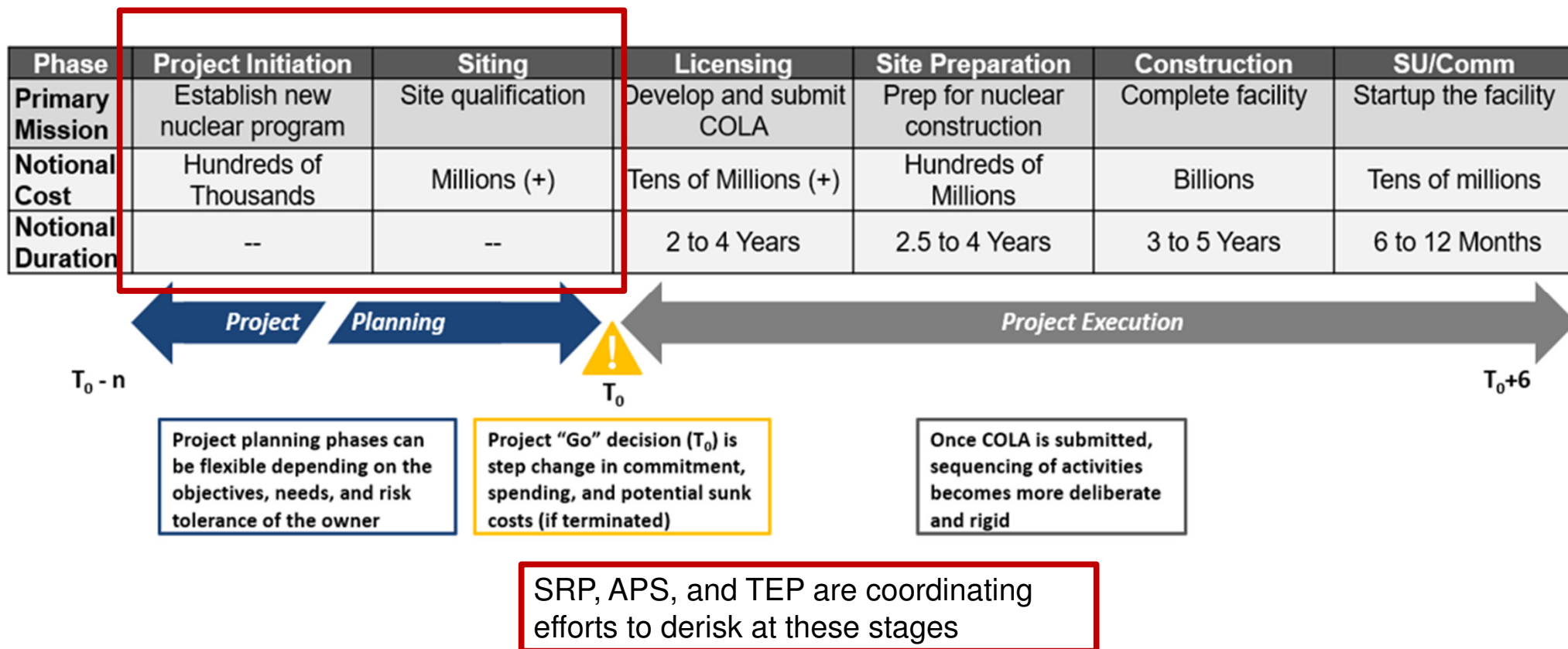


New Nuclear Timeline & Magnitude of Costs

Phase	Project Initiation	Siting	Licensing	Site Preparation	Construction	SU/Comm
Primary Mission	Establish new nuclear program	Site qualification	Develop and submit COLA	Prep for nuclear construction	Complete facility	Startup the facility
Notional Cost	Hundreds of Thousands	Millions (+)	Tens of Millions (+)	Hundreds of Millions	Billions	Tens of millions
Notional Duration	--	--	2 to 4 Years	2.5 to 4 Years	3 to 5 Years	6 to 12 Months



New Nuclear Timeline & Magnitude of Costs



Key Takeaways

- SRP is experiencing tremendous growth, requiring substantial and significant infrastructure investments, including
 - Natural Gas Pipeline Infrastructure
 - Pumped Storage / Long Duration Storage Assets
 - New Nuclear Exploration
- This is consistent with the broader trends in Arizona
- These significant investments are best coordinated to the benefit of all Arizona
- SRP is strategically coordinating with APS and TEP to ensure that the needed infrastructure is constructed in a way that benefits the entire state

thank you!

