



APS RPAC Meeting

4/9/2025



MEETING AGENDA



Welcome & Meeting Agenda
Mike Eugenis
APS



Natural Gas Docket
Mike Eugenis
APS



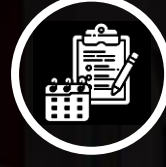
ASRFP Update
Vivian Vo
APS



Future Nuclear Docket
Brad Berles
APS



ACC Summer Preparedness
Tim Rusert
APS



2026 IRP Workplan
Mike Eugenis
APS



Break



Next Steps & Closing Remarks
Reece Taylor
APS

Meeting Guidelines



Member Engagement

RPAC Member engagement is critical. Clarifying questions are welcome at any time. There will be discussion time allotted to each presentation/agenda item, as well as at the end of each meeting.



Action Items

We will keep a parking lot for items to be addressed at later meetings.



Meeting Minutes

Meeting minutes will be posted to the public website along with pending questions and items needing follow up. We will monitor and address questions in a timely fashion.



Preliminary Content

Meetings and content are preliminary in nature and prepared for RPAC discussion purposes.



February Meeting Recap

- APS provided an update its 2024 ASRFP, released November 20th highlighting the robust response received.
- E3 shared an overview of the current Southwest Resource Adequacy study that APS is participating in along with other Southwestern utilities.
- APS updated members on its decision to join SPP's Markets Plus Day Ahead Market, following up on action items requested by members during the February RPAC Meeting.
- APS provided an outline for the 2026 IRP workplan and RPAC engagement.



Following Up

- Action Items from Previous Meetings:
 - Federal Regulatory Update
 - Natural Gas Docket Update
 - Future Nuclear Update
- Ongoing Commitments:
 - Distribute meeting materials in a timely fashion
 - Transparency and dialogue





ASRFP Update

Vivian Vo, APS

2024 ASRFP Update

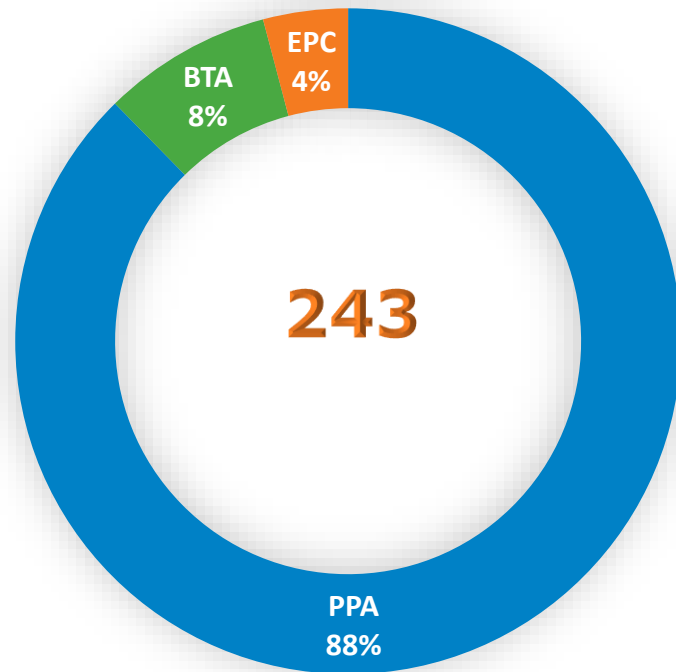
- 2024 ASRFP was issued on Nov 20
- Seeking at least 2 GW of resources
- Unique opportunities (Agave Phase II, Ironwood, renewable generation on tribal land)
- Resource years targeted
 - Near term (2028 – 2030)
 - Mid to long-term (2031+)

Event	Important Dates
RFP Release	November 20, 2024
Bidder's Conference	December 18, 2024
Agave/Ironwood Site Visit	January 8/9, 2025
Proposal(s) DUE	February 5, 2025
Shortlist Respondents notified	April – July 2025 (release in batches)
Final Selections	June – August 2025
Negotiations	June – December 2025



2024 ASRFP Total Bids Received

Total Proposals Received



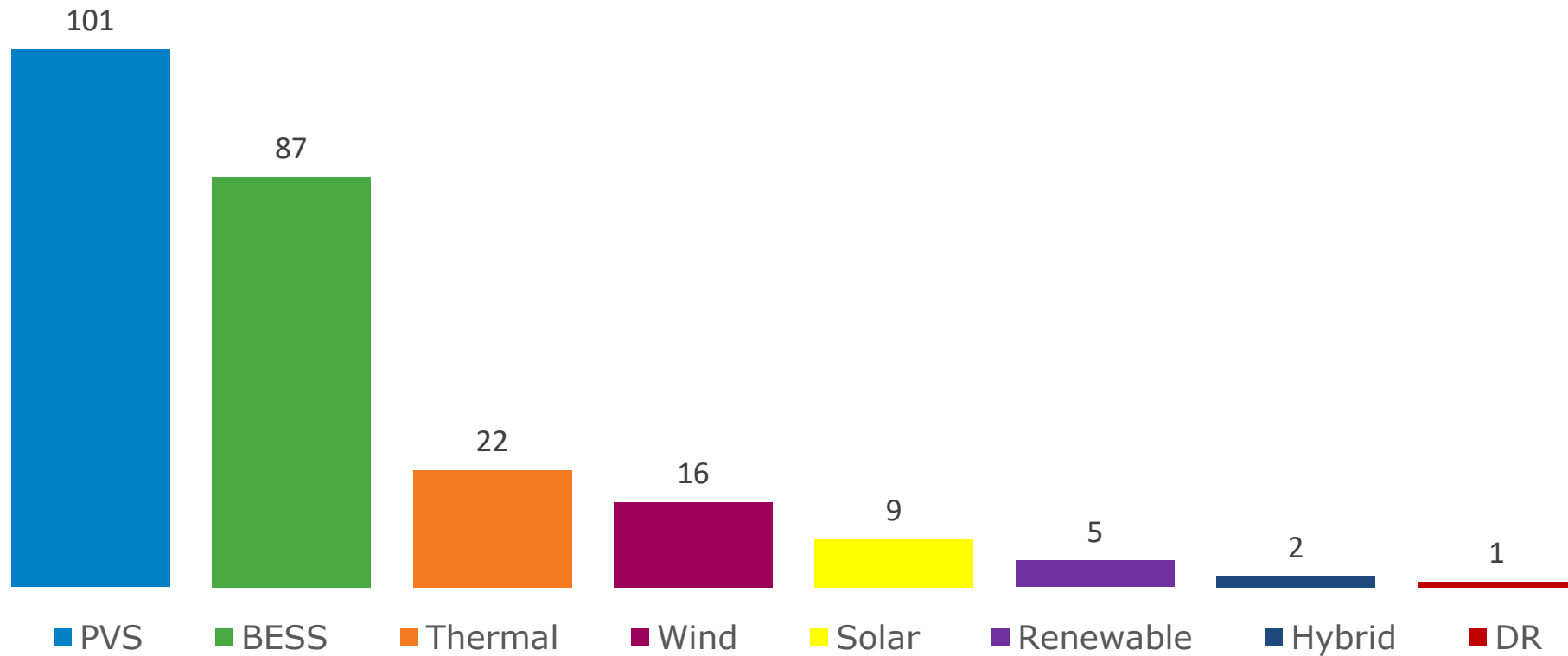
243 Total Proposals Received

- 213 PPA Structures
- 20 BTA Structures
- 10 EPC Structures

- 129 Unique Proposals Received
- 75 Unique Bidders

2024 ASRFP Bid Type Received

Number of Proposals by Resource Type



2024 ASRFP Timeline





ACC Summer Preparedness

Tim Rusert, APS

Docket #AU-99999A-25-0004

Resource Changes for Summer 2025

New Construction



884 MW Solar + Storage

- Harquahala Sun II (300 MW)
- Serrano (214 MW)
- Sun Streams 4 (300 MW)
- Yuma Solar Energy (70 MW)



675 MW Storage

- Papago (300 MW)
- Scatter Wash (255 MW)
- West Wing II (120 MW)



Existing Site Uprates

175 MW Natural Gas



Retirement

380 MW Coal

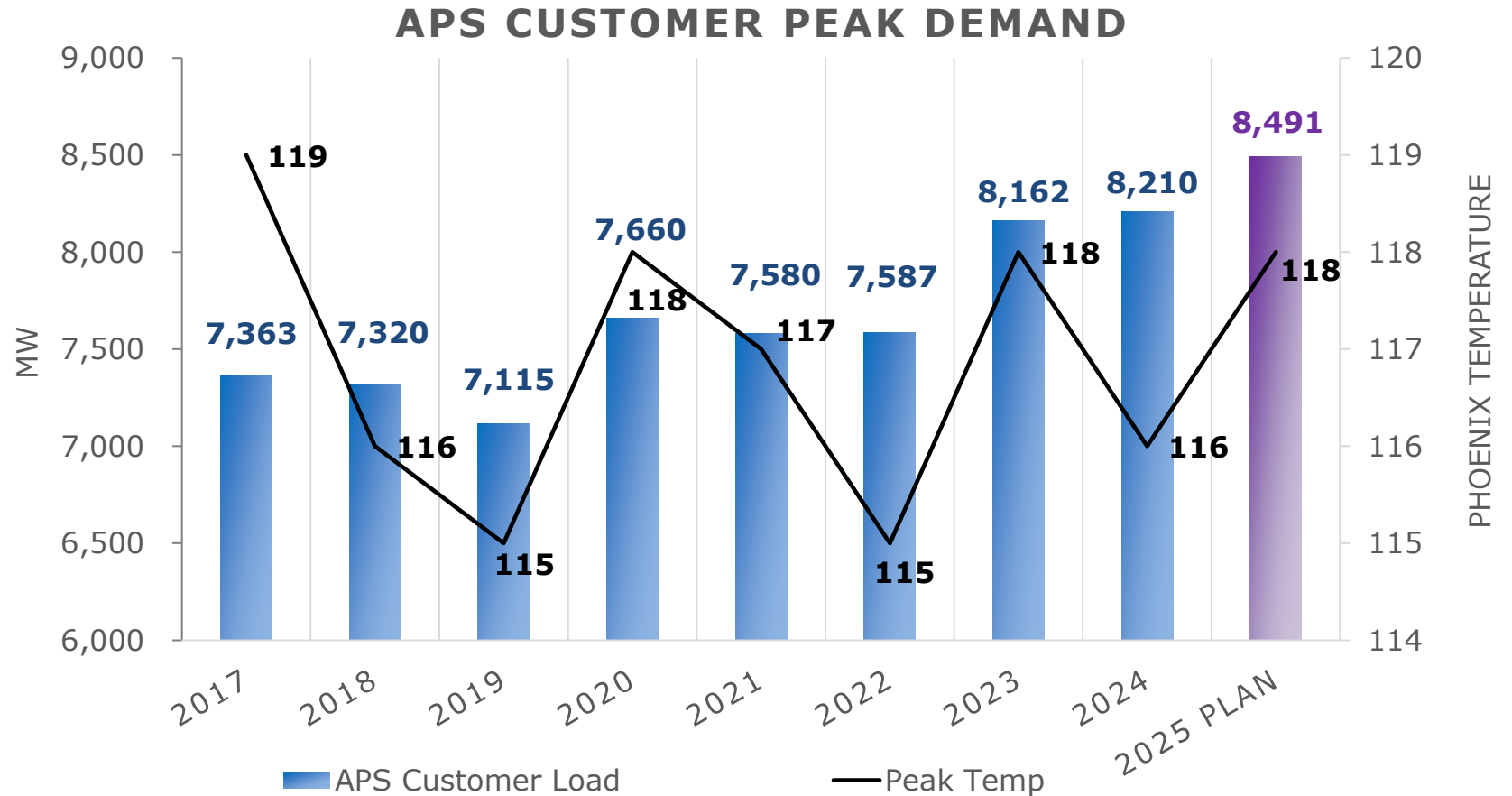


2025 Summer Preparedness Docket Available [here](#)



Record Demand in 2024; Forecast Increasing in 2025

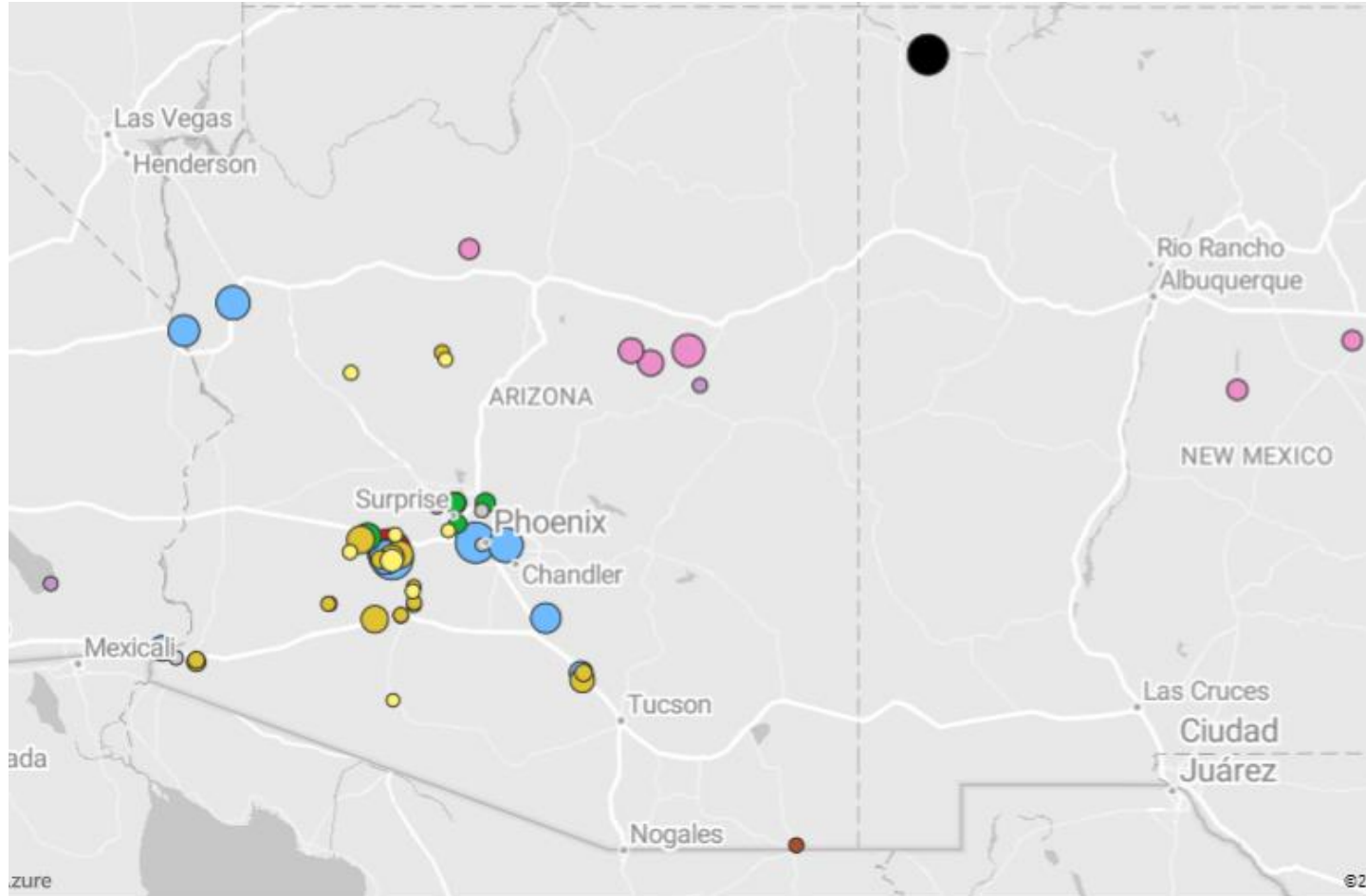
- Accounts for weather trends
- Customer growth
- Extra High Load Factor (XHLF) Customers



2025 Summer Preparedness Docket Available [here](#)



2025 APS Resource Diversity



● Nuclear ● Coal ● Gas ● Wind ● Storage ● Oil ● Solar + Storage ● Microgrid ● Solar ● Geothermal/Bio

	PEAK CAPACITY	NAMEPLATE CAPACITY
Nuclear	1,146	1,146
Coal	945	970
Natural Gas	5,122	5,205
Short-term Purchase	560	560
Microgrid	38	38
Renewable	1,734	2,734
Solar	79	276
Solar + Storage	1,408	1,578
Wind	221	853
Other Renewable	26	27
Energy Storage	474	805
Demand Response	92	212
TOTAL	10,111	11,670

2025 Summer Preparedness Docket Available [here](#)





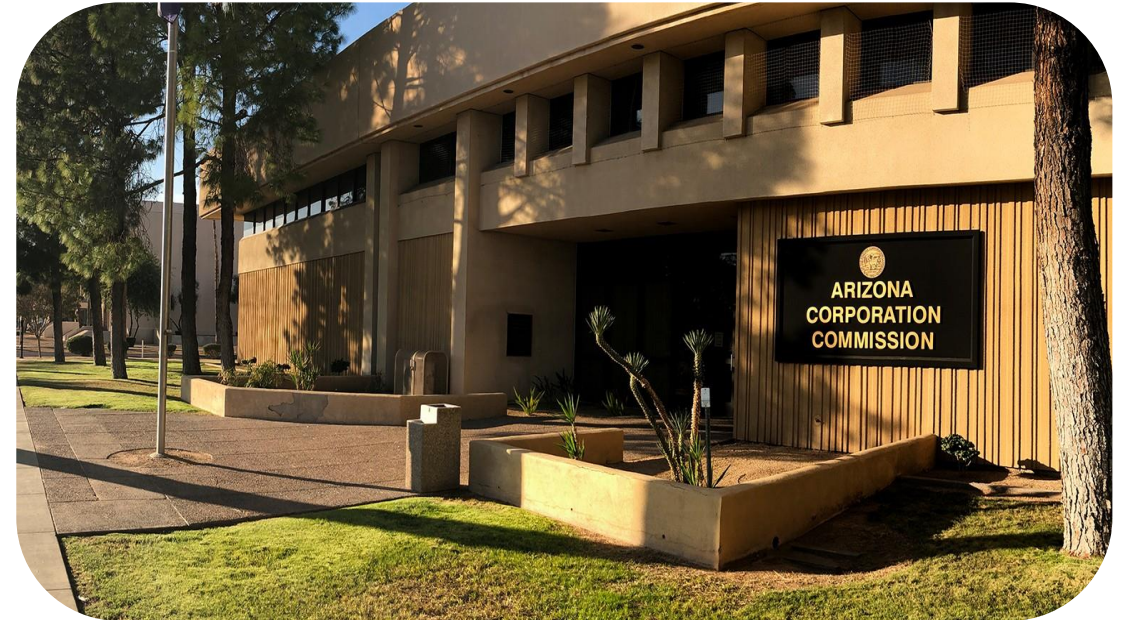
Natural Gas Pipeline Update

Mike Eugenis, APS

[G-00000A-25-0029](#)

ACC Natural Gas Docket

- On February 10, Vice Chairman Myers filed a letter to the docket
- Currently, Arizona Public Service, TEP/UNS Electric/UNS Gas, and AEPCO have filed comments to the docket
- All three utilities support the Commission's inquiry into this topic
- More details to come on future workshops



Commission's Inquiry into Natural Gas Infrastructure and Storage Docket #G-0000A-25-0029 Available [Here](#)

Letter Summary



APS is exploring opportunities for thermal facilities and regional natural gas infrastructure improvements as part of a reliable and least cost portfolio



“Around the clock” nature of load growth requires access to additional firm capacity



A balanced portfolio is essential to support reliable integration of intermittent resources



APS remains committed to collaborating with stakeholders and other utilities as efforts evolve

Commission’s Inquiry into Natural Gas Infrastructure and Storage Docket #G-00000A-25-0029 Available [Here](#)

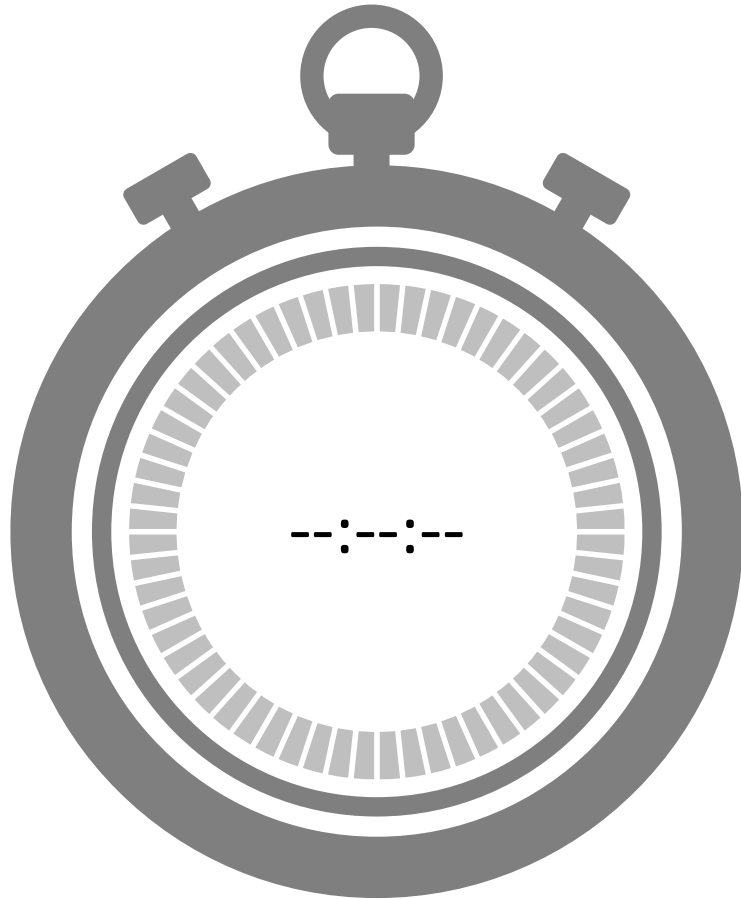




Break



Time for a Break



Break Duration 10 min.

Meeting will resume at

hh:mm





Future Nuclear Update

Brad Berles, APS

Docket #E-00000A-25-0026

ACC Future Nuclear Docket








- APS/SRP/TEP Collaboration
- DE-FOA-0003485, “Generation III+ Small Modular Reactor Pathway to Deployment”
- Grant application previously submitted in January 2025
- Monitoring DOE progress on next steps



Commission’s inquiry into Nuclear Issues
Docket #E-0000A-25-0026 Available [Here](#)
APS Press Release Available [Here](#)



APS New Nuclear | Sample Technologies

OEM	Design	Gross Capacity	Planned Projects
	Xe-100 HTGR w/ Graphite Moderator	~80 MW _e	<ul style="list-style-type: none"> • Dow Chem Seadrift (TX) • Energy Northwest (WA)
	Sodium Liquid Metal (Molten Na)	345 MW _e 500 MW _e peaking	<ul style="list-style-type: none"> • Kemmerer Demo (WY)
	VOYGR™ Pressurized LWR	77 MW _e 4, 6, 12 Modules	<ul style="list-style-type: none"> • UAMPS-CFPP (UT) (Canceled) • Nuclearelectricia – Romania • KGHM – Poland • Standard Power / ENTRA 1 (OH and PA)
	BWRX-300 Boiling LWR	~300 MW _e	<ul style="list-style-type: none"> • Darlington (OPG) • Clinch River (TVA) agreement to pursue, not final approval
	SMR-300 Pressurized LWR	~300 MW _e	<ul style="list-style-type: none"> • Palisades
	APR-1400 Pressurized LWR	~1,400 MW _e	<ul style="list-style-type: none"> • United Arab Emirates • South Korea
	AP1000 Pressurized LWR	~1,150 MW _e	<ul style="list-style-type: none"> • Vogtle (GA) • Poland

LWR = Light Water Reactor HTGR = High Temperature Gas Reactor

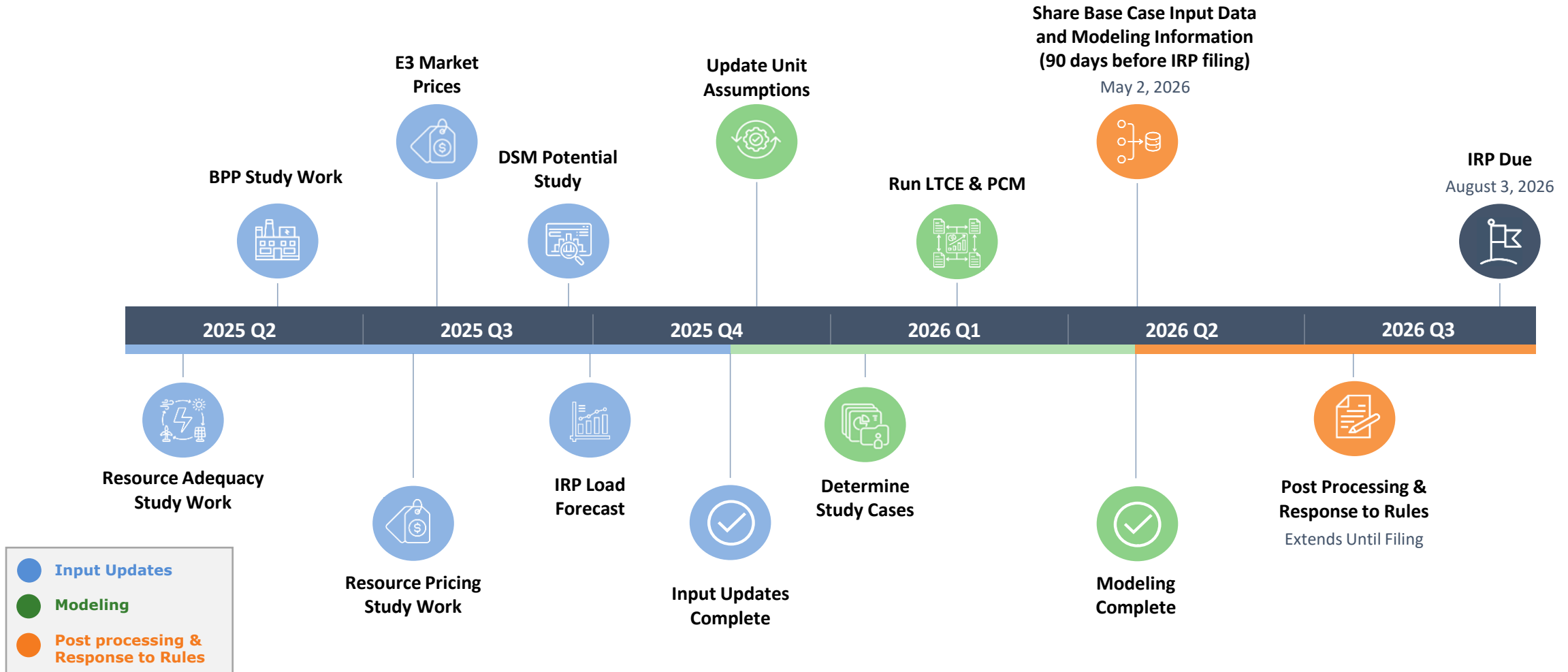




2026 IRP Workplan

Mike Eugenis, APS

2026 IRP RPAC Touchpoints

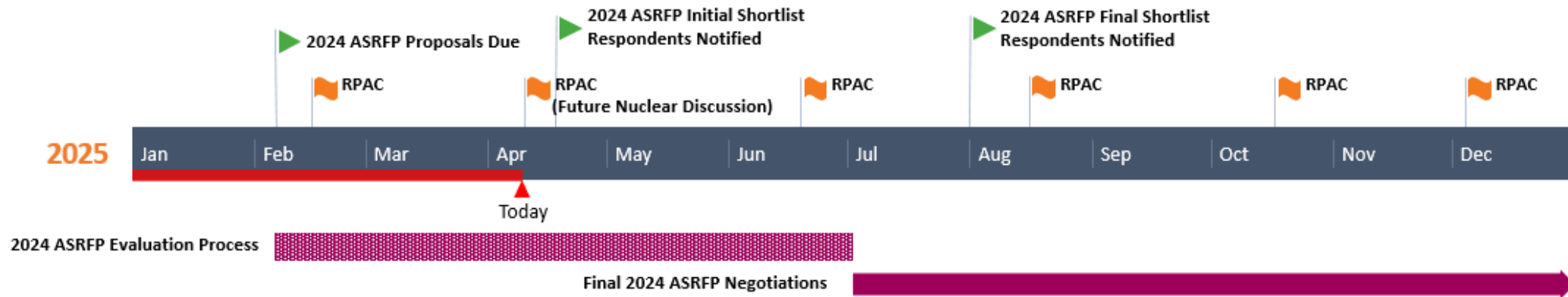




Next Steps & Closing Remarks

Reece Taylor, APS

Forward Plans and Meetings



*Disclaimer: This timeline is an estimate and is subject to change depending on the quantity and complexity of bids received

Key Milestones

June RPAC Meeting: 6/18/2025
Time: 9:00am

2024 ASRFP Shortlist Respondents Notified:
Expected prior to the end of Q3

