

An aerial photograph of a city at dusk, with a blue color overlay. The image shows various buildings, streets, and parking lots. The text is overlaid on the image.

**INTEGRATED SYSTEM
PLAN ADVISORY
GROUP MEETING**

WELCOME

AGENDA:

TIME	TOPICS	PRESENTER
9:00-9:10	NETWORKING & LIGHT BREAKFAST	
9:10-9:15	AGENDA & KICK-OFF	MARY FAULK
9:15-9:25	WELCOME & SRP UPDATES	BOBBY OLSEN
9:25-9:30	ISP UPDATES & MEETING OVERVIEW	MARY FAULK
9:30-10:40	ISP ACTION ITEM UPDATES & DISCUSSION	RESOURCE SELECTION – BARRY PETREY PROACTIVE SITING – BILL MCCLELLAN COAL TRANSITION ACTION PLAN – RON KLAWITTER REGIONAL TRANSMISSION – JUSTIN LEE
10:40-10:50	BREAK	
10:50-12:00	CONTINUED ISP ACTION ITEM UPDATES & DISCUSSION	RESIDENTIAL TIME-OF-USE PILOT & TIME OF USE EVOLUTION – BRANDON SHOEMAKER CUSTOMER PROGRAMS & ELECTRIFICATION – NATHAN MOREY ELECTRIC VEHICLE MANAGEMENT – JASON SMITH DISTRIBUTION ENABLEMENT ROADMAP – KYLE GIRARDI
12:00-12:10	NEXT STEPS & CLOSING REMARKS	MARIA NAFF
12:10-1:00	LUNCH & NETWORKING	

An aerial photograph of a city at dusk, showing buildings and streets. A large, semi-transparent blue rectangle is overlaid on the image, covering most of the frame. The text "Safety & Sustainability Minute" is centered within this blue area. The words "Safety &" and "Sustainability" are in white, and "Minute" is in a light blue color.

Safety & Sustainability Minute

Monsoon Season in Arizona

Safety First:

- **Stay clear of downed power lines:** Report to SRP at (602) 236-8888
- **Prepare for outages:** Charge devices, have flashlights & emergency kits ready
- **Stay informed:** Use the SRP Power app and outage map for real-time updates



Sustainability In Action:

- Install surge protectors to prevent damage to electronics and reduce e-waste
- Use coolers and ice chests to minimize food waste during extended outages

An aerial photograph of a city, likely Los Angeles, is shown with a semi-transparent blue overlay. The text is centered on this overlay. In the background, various city buildings and streets are visible, including a building with a 'NORDSTROM' sign on the right side.

Welcome and Current Events

Bobby Olsen

Associate General Manager and Chief Planning, Strategy and Sustainability Executive

Welcome SRP Board and Council Observers



Chris Dobson
SRP District Vice President



Jack White
SRP Board Member



Larry Rovey
SRP Board Member



Krista O'Brien
SRP Board Member



Suzanne Naylor
SRP Council Member



Rocky Shelton
SRP Council Member



Mark Mulligan
SRP Council Member

SRP Integrated System Plan Advisory Group 2021-2022

Organization Name

AZ Hispanic Chamber of Commerce

A New Leaf

American Association of Retired Persons (AARP)

Arizona State University (ASU)

AZ Arizona Public Interest Research Group (PIRG)

Chicanos Por La Causa

City of Phoenix

CMC Steel AZ

Common Spirit Health

CyrusOne

Environmental Defense Fund

Intel

Local First

Mesa Public Schools

Profile Precision Extrusions

Pinal County

SRP Customer Utility Panel (CUP)

Salt River Pima-Maricopa Indian Community (SRPMIC)

Southwest Energy Efficiency Project (SWEET)

Western Resource Advocates (WRA)

Wildfire

SRP Updates Since Last Advisory Group Meeting

Mary Faulk

Director, Integrated System Planning & Support

ISP Events Timeline



MEETING OBJECTIVES:

- Share updates since we last met
- Share and discuss progress made towards ISP Actions and next steps
- Share next steps for Advisory Group Engagement with plans for next ISP

Guides For Productive Meetings

- Actively participate
- Stand up name tent to indicate wanting to provide input, ask a question, etc.
- Encourage and seek multiple perspectives, including use of multiple engagement methods
- When introducing technical subjects, begin with straightforward definitions and avoid acronyms; create comfortable environment for questions and understanding
- Stay concise so that everyone has time to participate
- Maintain one representative per Advisory Group member organization in meeting discussions
- Enjoy the meeting!

ISP Actions

Bulk Grid Focused Actions

Resource Request for Proposals/Information

Proactive Siting

Regional Transmission

Coal Transition Plan

Customer Grid Focused Actions

Residential Time-of-Use Pilot

Time-of-Use Evolution

Customer Programs

Electrification

EV Managed Charging Roadmap

Distribution Enablement Roadmap



ISP Actions Update

Resource Selection

Barry Petrey

Senior Manager, Resource Acquisition

Proactive Siting

Bill Mcclellan

Senior Manager, Resource Development

Coal Transition Plan

Ron Klawitter

Senior Manager, Resource Analysis And Planning

Regional Transmission

Justin Lee

Senior Manager, Transmission System Planning

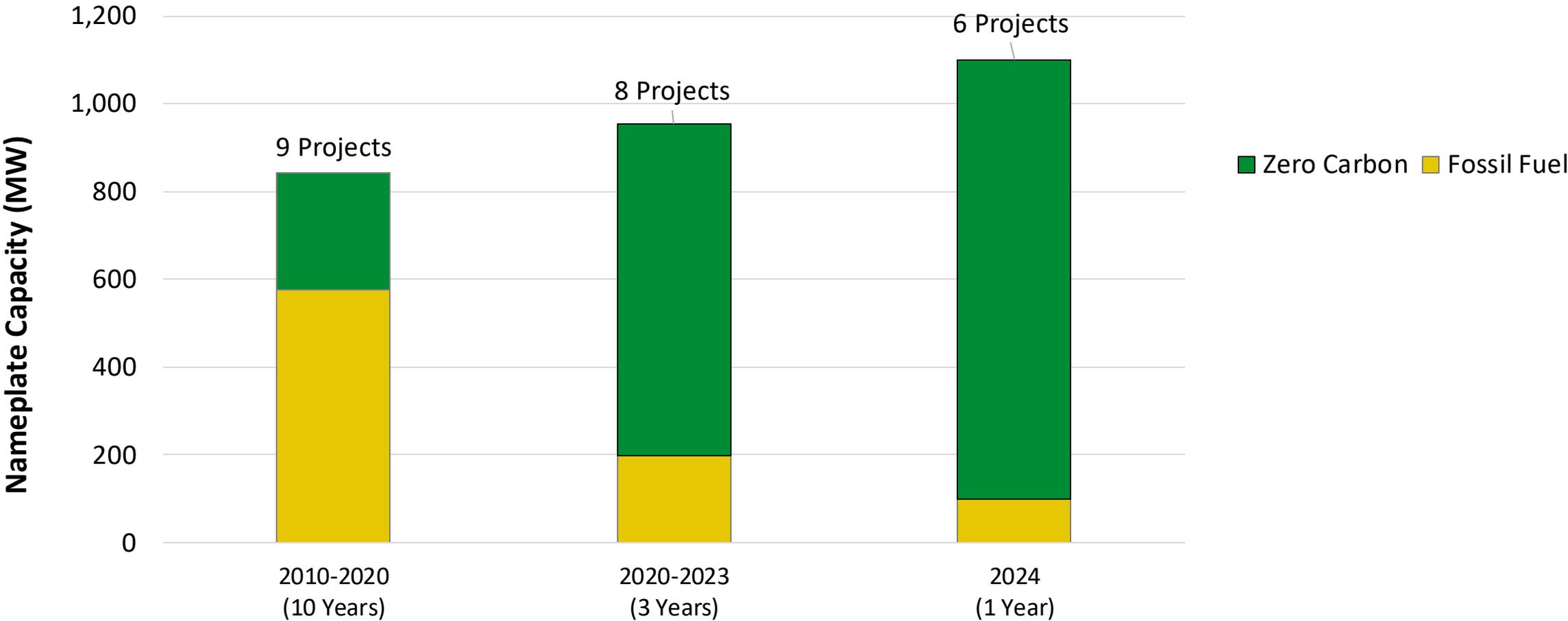
Resource Selection

Issue all-source requests for proposals (RFPs) or requests for information (RFIs) at least once every two years

Compare with self-build options and ensure that SRP can select resource technologies that meet SRP's reliability and sustainability goals while minimizing total system cost



SRP is adding new resource projects at an unprecedented pace



Bulk Grid Focused Actions

Resource Selection

(Request for Proposals/Information)



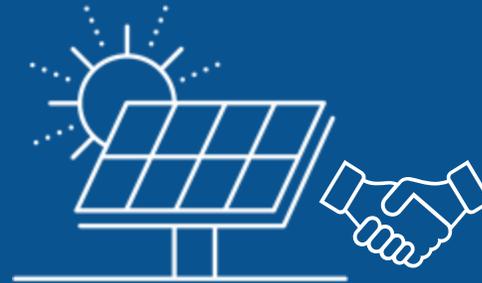
Active and Expanding All-Source RFPs

2023 ASRFP: Selected 480 MW solar + 1,330 MW storage

2024 ASRFP:

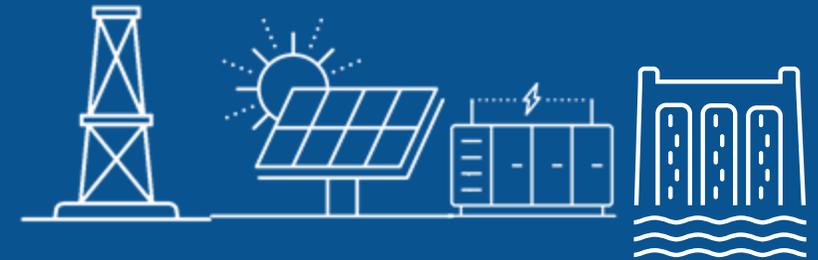
Selected 2,835 MW solar/wind, 3,419 MW storage, 1,455 MW natural gas

2025 ASRFP: Issued in February; proposals under evaluation



Solar Development Partnership in Progress

Advancing plan to add up to **3,000 MW** of solar capacity



SRP Self-Build Projects Underway

Constructing **575 MW** of flexible natural gas (Coolidge)

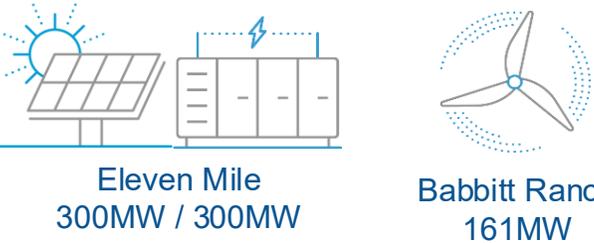
Building **55 MW** of solar (Copper Crossing)

Plans to build **1,000MW solar + 400MW battery storage** by 2035

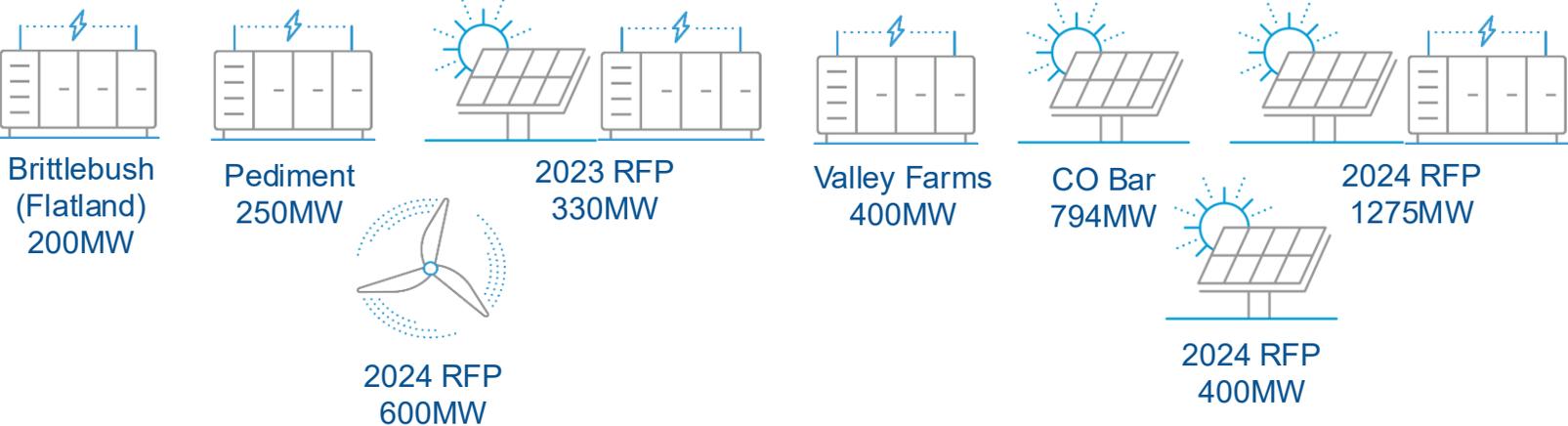
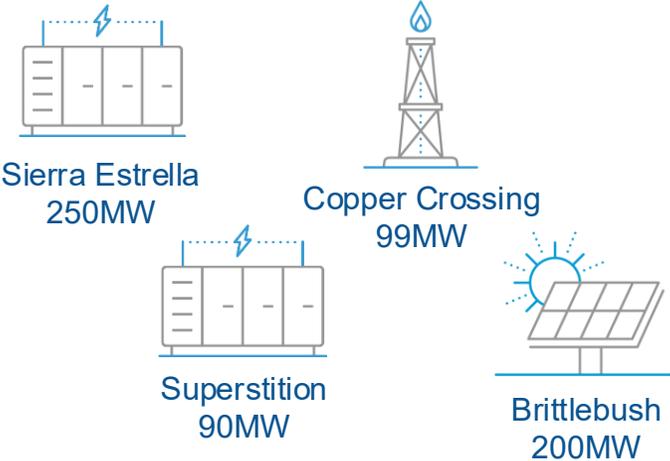
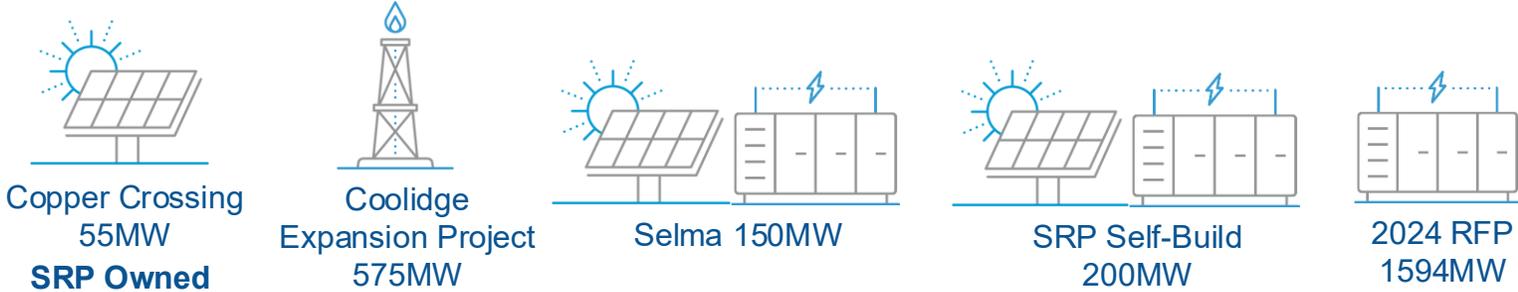
Designing Salt River **Pumped Storage Project (up to 2,000 MW)**

New Resource Procurement and Development

Online



In Development



An aerial photograph of a city at dusk, with a large blue rectangular overlay covering most of the image. The city lights are visible in the background, and some buildings are labeled, such as 'LEPRA CORPORATE CENTER' and 'NORDSTROM'.

Questions?

Proactive Siting

Develop and initiate siting research that considers collaborative community engagement, land, resources, and transmission and distribution to proactively identify, prepare and preserve options for feasible sites for future system infrastructure.



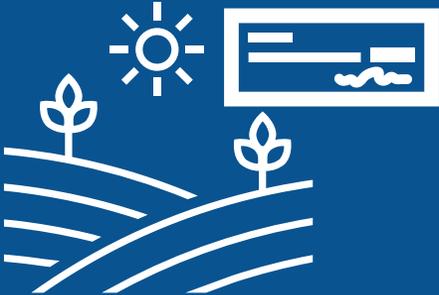
Bulk Grid Focused Actions

Proactive Siting



GIS Tool Developed for Strategic Siting

Enables identification and screening of potential transmission and generation sites



Land Acquisition Advancing

Identified potential sites for future generation development

Purchased ~4,800 acres
Acquiring ~2,000 more



Transmission Expansion Studies

Identified need for **565 miles of 500kV lines** and **14 new transformers by 2035**

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Questions?

Coal Transition Action Plan

- Prepare plans for repurposing the Coronado Generation Station (CGS) site
- Test strategies for minimizing coal plant emission while maintaining capacity and reliability.
- Develop solutions that preserve transmission following the retirement of coal plants
- Coordinate with co-owners to develop a path forward for the Springerville Generating Station (SGS)



Bulk Grid Focused Actions

Coal Transition Plan



CGS Repurposing

Site can support multiple generation types

Evaluating resource options identified in repurposing study

Evaluating Long Duration Energy Storage pilot

Supporting **Coal Community Transition** for workforce and economic development



Coronado Station Conversion Approved

SRP Board approved transition from coal to natural gas targeting **2029**

Preserves capacity to serve **150,000+ homes** at time of considerable need



Significant Cost Savings Identified

Estimated savings:

\$300M vs. new gas plant

\$1.2B vs. battery storage



Operational Analysis to Support Emission Reductions

Analyzing opportunity to reduce coal unit online times in shoulder seasons



Regional Coordination in Progress

Collaborating with **TEP/Tri-State** on **Springerville** future

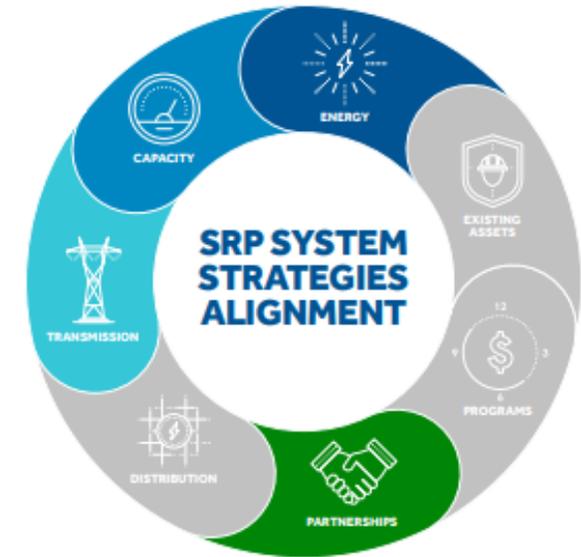
**Coal Transition Action Plan reflects progress as of June 2025 and includes developments beyond the close of Fiscal Year 2025 (ended April 30, 2025).*

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Questions?

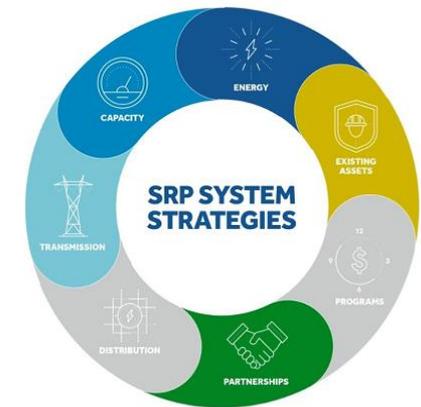
Regional Transmission

Pursue transmission projects that would enable SRP to access diverse renewable resource options beyond solar, such as wind and geothermal, and engage with project developers, as appropriate.



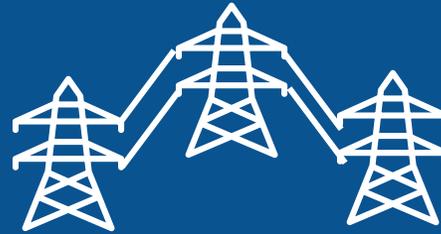
Bulk Grid Focused Actions

Regional Transmission



Initial Research Partnership with E3

E3 partnership to assess **out-of-state renewable deliverability**, **identifying key transmission pathways** and constraints



Regional Transmission Study in Progress

Regional study **evaluating strategic interconnection points** (Four Corners, McCullough, Pinal Central, Coronado)

Goal: Complete this phase by **October 2025**



Developer Engagement Underway

Held multiple meetings with transmission developers to explore capacity and project feasibility



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Questions?

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**INTEGRATED SYSTEM
PLAN ADVISORY
GROUP MEETING**

BREAK

ISP Actions Update

Residential Time-of-use Pilot & Time Of Use Evolution

Brandon Shoemaker
Director, Corporate Pricing

Customer Programs & Electrification

Nathan Morey
Director, Customer Programs

Electric Vehicle Management

Jason Smith
Manager, Electric Vehicle Strategy

Distribution Enablement Roadmap

Kyle Girardi
Senior Manager, Distribution Strategy Development

Residential Time-of-Use Pilot

Perform customer research to evaluate customer’s response to new time-of-use peak periods and a super off-peak period in the middle of the day which will inform SRP’s load forecast for long-term system planning and SRP’s price process.



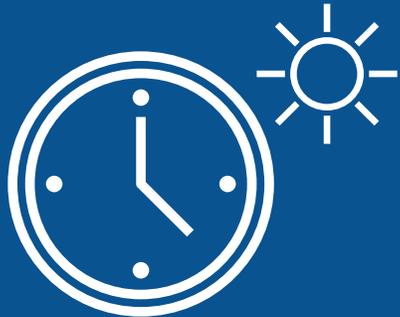
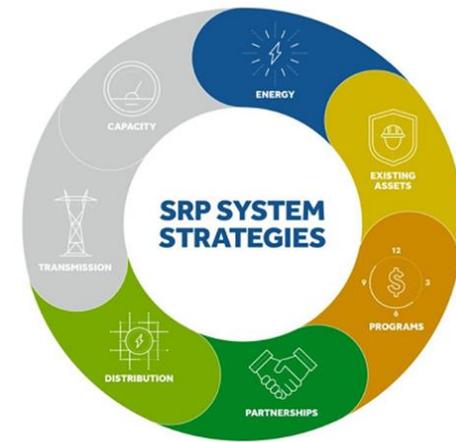
Time-of-Use Evolution

Engage commercial, large industrial, and residential customers, and stakeholders to inform them of how the evolving grid will impact time-of-use periods and develop a roadmap for implementing new time-of-use periods.



Customer Grid Focused Actions

Residential Time-of-Use Pilot & Time-of-Use Evolution



E-28 Daylight Saver Pilot Launched

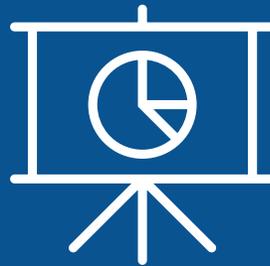
1,000 Residential-Participant

Super off-peak

9 a.m. – 3 p.m.

New on-peak

6 – 9 p.m.



Positive Pilot Results

24% (-) in peak

18% (+) in super off-peak

EV customers increased **super off-peak** usage by

1.1 kW



New TOU Pricing Approved

SRP Board **approved** updated TOU hours in **Feb 2025**

Launch scheduled for **Nov 1, 2025**



Customer Education Campaign Underway

Focused on awareness and **adoption of new TOU hours**



Legacy Plans Phasing Out

Gradual transition through **Nov 2029**

An aerial photograph of a city at dusk, with a large blue rectangular overlay covering most of the image. The text "Questions?" is centered in white on the blue background. In the background, various buildings are visible, including one with a "NORDSTROM" sign and another with "LEVERA CORPORATE CENTER" on its facade.

Questions?

Customer Programs

Continuously refresh program plans and drive participation in customer programs at levels consistent with those planned for in the ISP, representing a meaningful increase from SRP's initial 2035 Sustainability Goal for Energy Efficiency.



Electrification

Analyze the benefits and costs of non-EV electrification within SRP's service area, including effects on SRP operations and economy-wide emissions. Assess options for expanding E-Tech program offerings related to residential and commercial electrification.



Customer Grid Focused Actions

Customer Programs – Energy Efficiency



Exceeded Energy Efficiency Goals

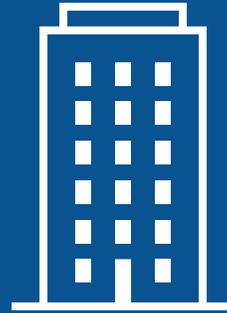
649,000 MWh EE savings

(102% FY25 target)



New Residential EE Programs

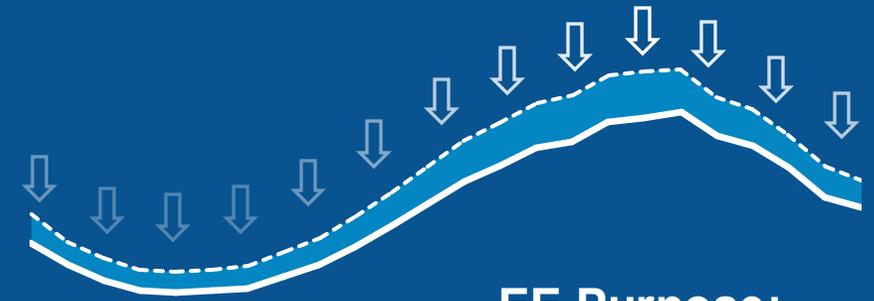
Home Energy Report,
Cool Roof,
ENERGY STAR
Windows



New Commercial EE Programs

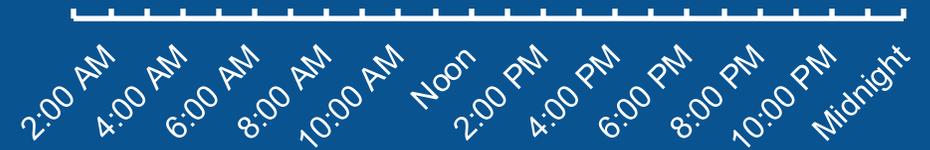
Virtual Commissioning,
HVAC Tune-Up,
ENERGY STAR
Multifamily New
Construction

Peak Day



EE Purpose:

Downward Pressure
on Hourly Demand



Customer Grid Focused Actions

Customer Programs – Demand Response



Strong Demand Response Growth

176 MW of DR capacity
(107% of FY25 target)
102,000+ thermostats and **720+** business facilities participating



Large Customer Partnerships

Piloted new industrial Demand Response offer 25MW

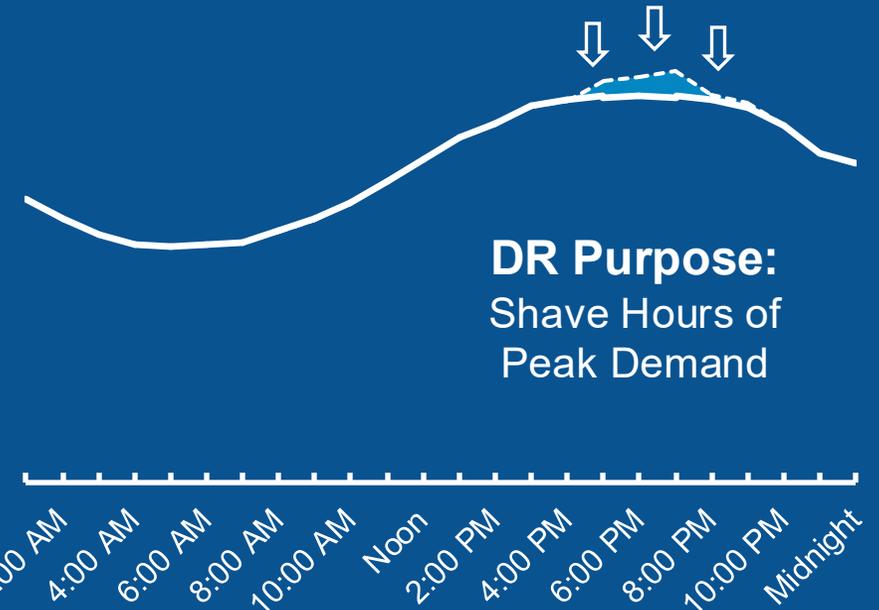
Launched new Firm Load Reduction offer by YE



Virtual Power Plant (VPP)

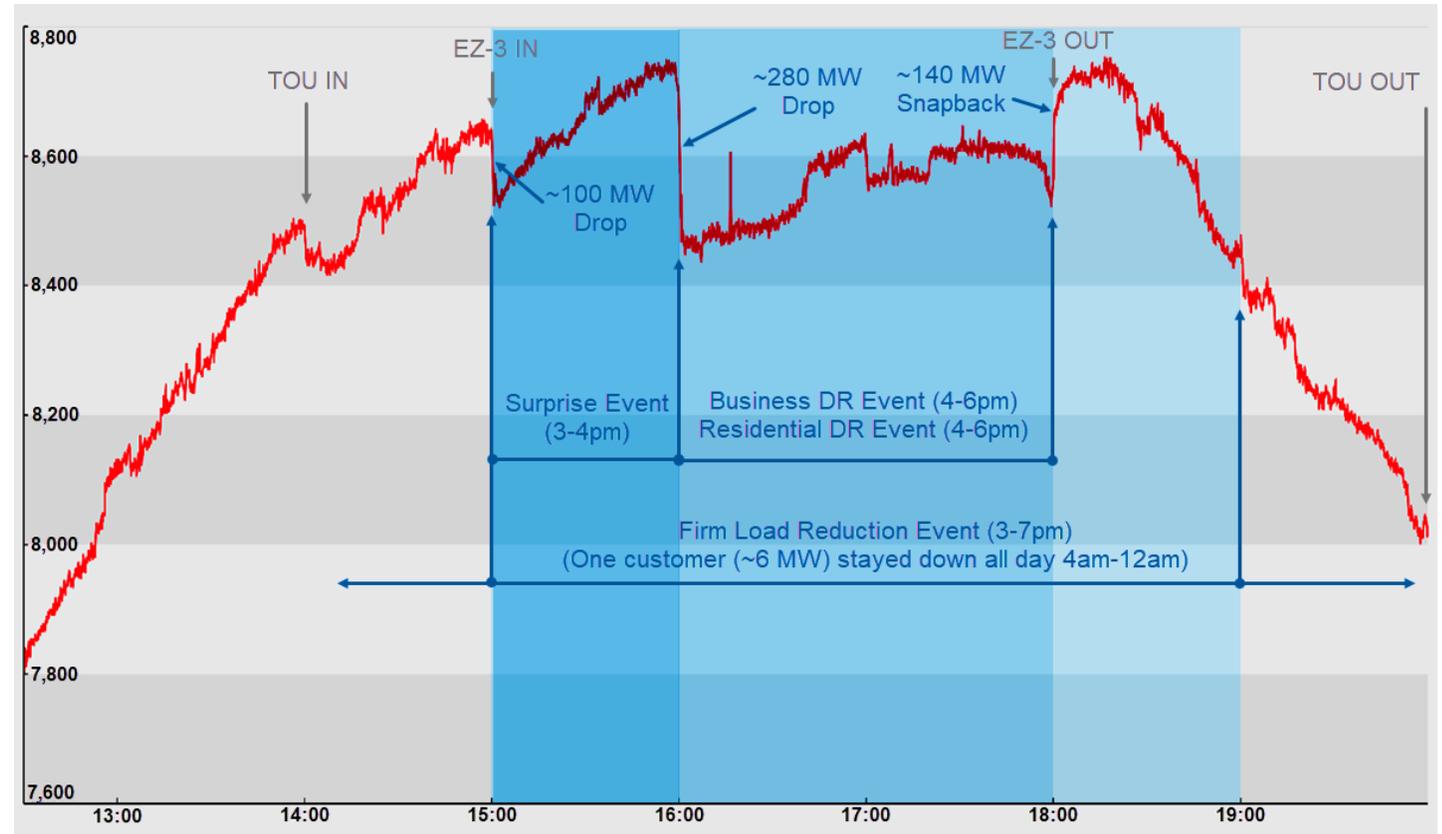
Expanding VPP to enable increased flexibility and incorporate new technologies

Peak Day



New Peak & Demand Response (DR) Event: Load Drop and Peak Performance August 7th

- **Rapid Load Drop:** Over 280 MW of load dropped at 16:00, within less than 4 minutes.
- **Load Recovery Expectation:** Anticipated a rebound to peak levels by HE1900 post-DR events, but it did not materialize.
- **New Retail Peak:** Recorded a new retail peak of 8,542 MW at HE1600.
- **Extreme Weather:** Peak occurred during a daily high temperature of 118°F.



Customer Grid Focused Actions

Customer Programs – Electrification



Exceeded E-Tech Goals
21,000 MWh of incremental impact
 (116% of FY25 target)

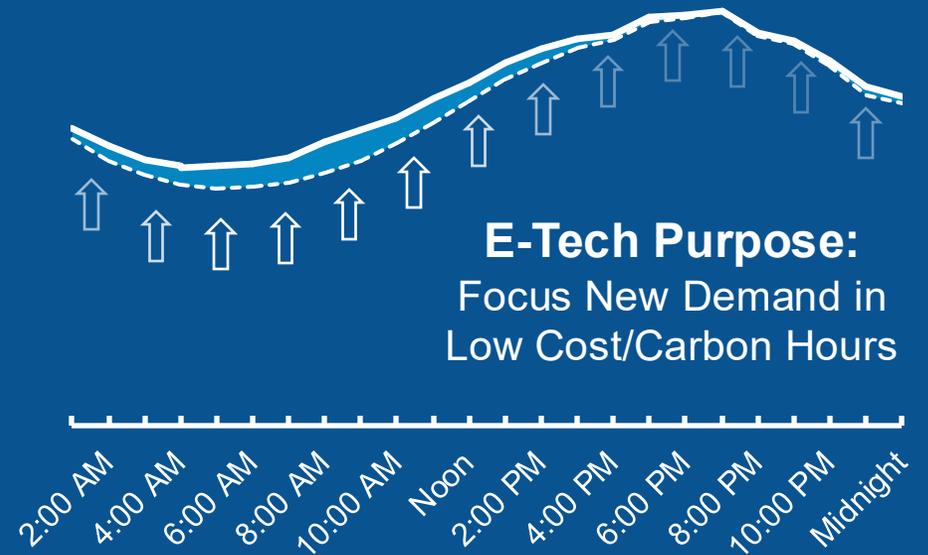


Expanded Non-EV Technologies
 Supported adoption of electric forklifts, truck refrigeration units, electric boilers, and non-road EV fleets



Resilient Program Delivery
 Adapted outreach and offerings to continue advancing electrification goals

Peak Day



An aerial photograph of a city at dusk, with a large blue rectangular overlay covering most of the image. The city lights are visible in the background, and some buildings are labeled, such as 'LEVIN CORPORATE CENTER' and 'NORDSTROM'.

Questions?

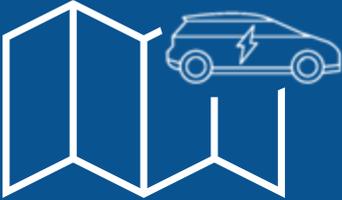
EV Management

Develop a roadmap by evaluating customer needs and system impacts and assessing viable pathways for managing electric vehicle (EV) charging through price plans, customer programs and educational efforts to align with time periods that are lower-cost and minimize additional infrastructure needs.



Customer Grid Focused Actions

EV Managed Charging Roadmap



EV Managed Charging Strategy and Roadmap Developed

Created to guide near-, mid-, and long-term strategies.

Aligns corporate programs and initiatives



EV Adoption as of End of FY25

Reached 68,011 EVs in SRP territory



High Participation in Managed Charging

79% of EVs enrolled, primarily through TOU price plans



Innovative Rate Design Supports Solar Alignment

Introduced daytime **super off-peak** (8am–3pm)

New Rates: E-16 and E-28

Encourages charging during solar hours



Pilot Successes and Future Launch

Completed **Smart Charge** and **Flex Charge** active managed charging **pilots**

Full program launch planned for **FY27**

SRP EV Managed Charging Roadmap

Background

SRP aims to support the adoption of 1 million EVs by 2035 and manage 90% of EV charging to maintain grid reliability and affordability for all customers.

Strategy

A layered approach using passive and active managed charging solutions to deliver flexible, customer-focused, and cost-effective solutions.

Previous Efforts

- EV Flex Charge pilot
- E-29 EV Price Plan (active, but frozen as of Nov. 1, 2025)
- SmartCharge AZ

Current Initiatives

Programs: EV Smart Charger Rebates

Pilots: SRP EV Smart Charge pilot

Rates (as of Nov. 1, 2025): Introducing mid-day Super Off-Peak period across all TOU rates

Projects:

- Vehicle-to-Everything (V2X) research project
- V2X interconnection standards

Education: Online customer education tools

In the Background:

- Distribution system analyses of EV loads
- Location of EVs using AMI data

Pursuing

- Evolution of SRP's employee workplace charging strategy
- Other active managed charging solution providers
- Active managed charging integration with ADMS/DERMS platform

Monitoring

- Off-peak charging incentives for residential customers
- V2X pilots around the country
- EV subscription rates
- Locational active managed charging

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Distribution Enablement

SRP's **Distribution Enablement Strategy** is a holistic plan and program that will ensure SRP's distribution system meets future customer needs by delivering advanced capabilities for the electric grid and the workforce that supports it.

For more information, see public [DE Strategy Report](#).



Distribution Enablement Roadmap

Continue implementing SRP's Distribution Enablement (DE) Roadmap, which includes:

- Deploying Advanced Distribution Management System (ADMS) and Distributed Energy Resources Management System (DERMS)
- Continue implementing advanced planning tools
- Advancing the distribution interconnection process
- Executing the DE Research & Development (R&D) plan



Customer Grid Focused Actions

Distribution Enablement Roadmap

Customer DER Adoption	
Customers with DER	62,965 +4,583
Customers with Batteries	6,066 +1,262



Advanced Distribution Management System (ADMS) Cutover Completed

Went live in January 2025 with minimal operational impact

Enables dynamic control, outage management, and real-time optimization



DERMS Deployed for Grid Optimization

Supports integration and operation of distributed renewables and storage



Automated Interconnection Screening Implemented

Streamlines customer applications and protects grid integrity



Workforce & Innovation Initiatives Launched

22 employees trained in grid ops and analytics through Workforce Academy

Distribution Enablement Lab commissioned for R&D on microgrids and DERs

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Integrated System Plan: System Strategies

Energy Investments

Invest in renewable resources and storage to manage fuel consumption, and drive carbon and water reductions.

Capacity Investments

Invest in firm generation, including natural gas, to support reliability and manage affordability, while also supporting advancement of emerging firm technologies.

Proactive Transmission

Proactively plan to expand transmission infrastructure to enable generator interconnections and load growth.

Distribution Innovation

Ensure distribution grid readiness to maintain reliability and enable customer innovations to drive carbon reductions.



Strategic Investment & Reinforcement of Existing Assets

Reinforce and maximize value of existing infrastructure with strategic investments to manage affordability, and ensure future performance, grid security and resilience.

Evolution of Customer Programs & Pricing

Evolve pricing and customer programs to improve economy-wide carbon reductions and pace infrastructure development, while recognizing customers' diverse needs.

Partnerships & Suppliers

Explore partnerships, supply chain and development solutions that manage cost and availability to meet the pace of transformation.

Wrap Up and Next Steps

Maria Naff

Senior Manager, Integrated Planning

SRP'S FIRST ISP ADVISORY GROUP



THANK YOU

ISP 2.0 Timeline



ISP 2025 Progress Report

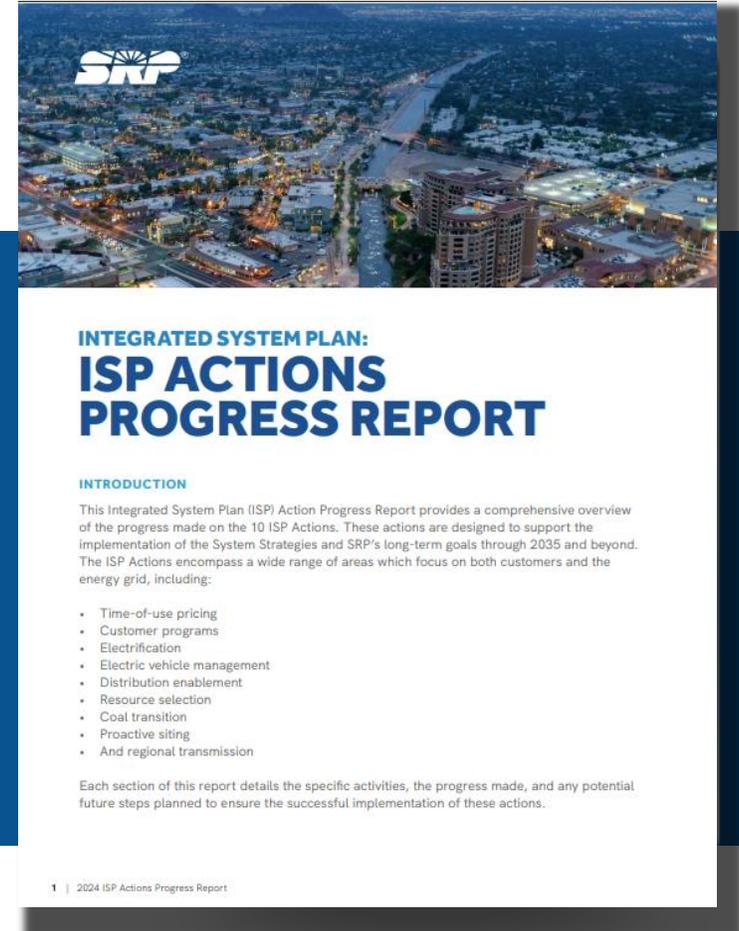
Reflective of ISP Action FY25 Progress

May 2024- April 2025

Purpose:

Comprehensive report highlights the significant progress made on the ISP Actions

Expected publication in the Fall



INTEGRATED SYSTEM PLAN ADVISORY GROUP MEETING

Please take a moment to complete our short survey.
It only takes 1–2 minutes!



SURVEY

Scan the QR code to begin