



SRP Integrated System Plan
Advisory Group
Meeting #2: Planning Amidst Change

December 6, 2021

Welcome

Kelly Barr

Associate General Manager Chief Strategy and Corporate Services & Sustainability Executive

Welcome SRP Board and Council Observers



John Hoopes
SRP Vice President



Randy Miller
SRP Board Member



Anda McAfee
SRP Board Member



Jack White
SRP Board Member



Larry Rovey
SRP Board Member



Suzanne Naylor
SRP Council Member



Rocky Shelton
SRP Council Member

Safety & Sustainability Minute

Prepare Your Car for Winter



Prepare your car for winter and keep an emergency kit with you

Keep up with regular maintenance

Check your tires regularly

Meeting Objectives:

- Review Large Stakeholder Group insights
- Gather input on changes facing Arizona and the utility industry/power sector



Agenda

Time (MST)		Topics	Presenter
3:00-3:05	5 mins	Welcome, Agenda Overview & Participation Opportunities	Kelly Barr (SRP) Joan Isaacson (Kearns & West)
3:05-3:15	10 mins	Advisory Group Introductions	ISP Advisory Group
3:15-3:45	30 mins	Stakeholder Feedback Reflection & Discussion	Angie Bond-Simpson (SRP) & Joan Isaacson (K&W)
3:45-4:55	70 mins	Decision Making Under Uncertainty & Brainstorming the Future	Lakshmi Alagappan (E3) Angie Bond-Simpson (SRP) & Joan Isaacson (K&W)
4:55-5:00	5 mins	Next Steps & Wrap-up	Angie Bond-Simpson (SRP)

**PLANNING TOGETHER,
PLANNING BETTER**

Guides for Productive Virtual Meetings

- Actively participate
- Be respectful of other perspectives
- Listen for understanding
- Stay concise to allow time for everyone to participate
- Enjoy the meeting!

Advisory Group- Round Table Introductions

SRP Team

Consultants: Kearns & West and E3

Advisory Group Members

SRP Integrated System Plan Advisory Group

	Organization Name	Primary Representative	Secondary Representative
1	AZ Hispanic Chamber of Commerce	Monica Villalobos	Susette Coumides
2	A New Leaf	Michael Hughes	
3	American Association of Retired Persons (AARP)	Brendon Blake	Tom Doescher
4	Arizona State University (ASU)	Gary Dirks	
5	AZ Arizona Public Interest Research Group (PIRG)	Diane Brown	
6	Building Owners and Managers Association (BOMA)	Amanda Forsmo	
7	Chicanos Por La Causa	Max Gonzales	
8	City of Phoenix	Karen Peters	
9	CMC Steel AZ	Garrett Kent	
10	CyrusOne	Todd Masters	
11	Environmental Defense Fund	Pam Kiely	Taylor Bacon
12	Intel	Marty Sedler	
13	Kroger	Denis George	
14	Local First	Kimber Lanning	Michael Peel
15	Mesa Public Schools	Scott Thompson	
16	PAC Worldwide	Mike Kunst	
17	Pinal County	James Smith	Himanshu Patel
18	SRP Customer Utility Panel (CUP)	Alton Washington	
19	Salt River Pima-Maricopa Indian Community (SRPMIC)	Martin Harvier	Gary Bohnee
20	Southwest Energy Efficiency Project (SWEET)	Ellen Zuckerman	Caryn Potter
21	Western Resource Advocates (WRA)	Adam Stafford	Alex Routhier
22	Wildfire	Cynthia Zwick	

Advisory Group Introductions

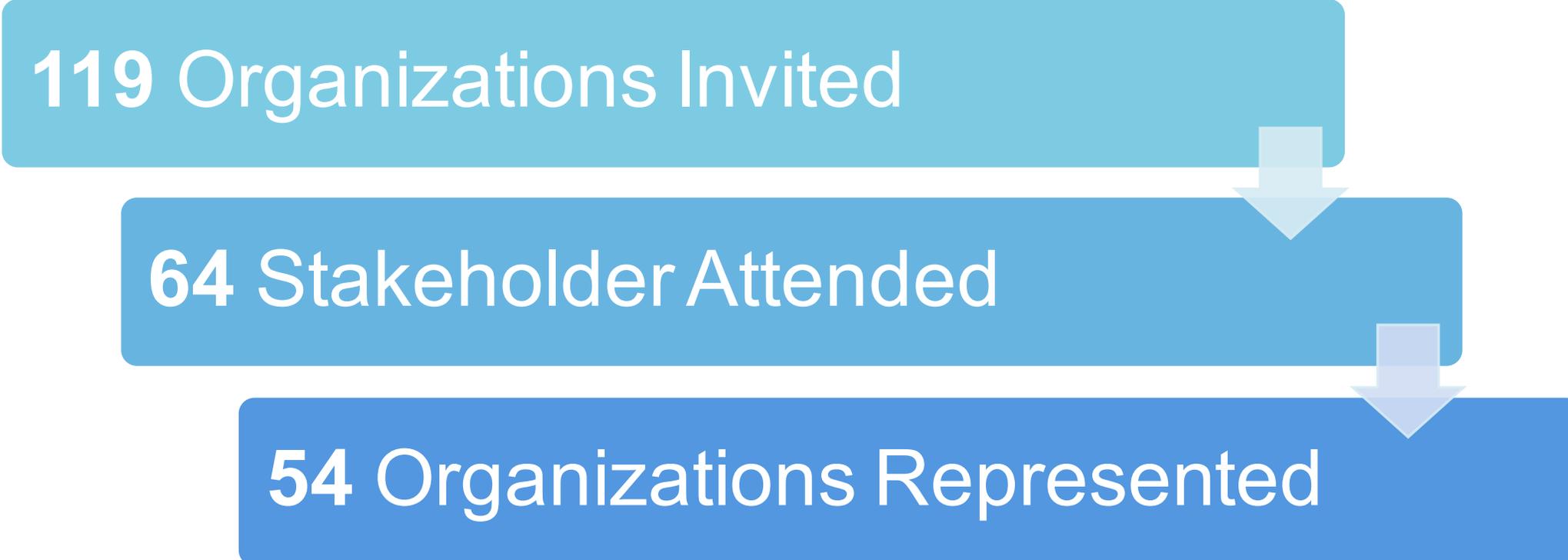
- Name, Organization, Role at Organization, Organization's Focus

Stakeholder Feedback Reflection & Discussion

Angie Bond-Simpson, Director
Integrated System Planning & Support (SRP)

Large Stakeholder Meeting Attendance

119 Organizations Invited



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graph TD; A[119 Organizations Invited] --> B[64 Stakeholder Attended]; B --> C[54 Organizations Represented];
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64 Stakeholder Attended

54 Organizations Represented



What We Heard

How do you think your expectations and needs for electricity service will change in the future?

Advisory Group Top Themes

- Consider resource community impacts
- Consider cost impacts
- Low-carbon could be needed faster
- Reliable & resilient energy services

Large Stakeholder Group Top Themes

- Increased load from economic and land development, electrification, and climate change impacts
- Substantial growth in distributed/onsite solar, storage, demand response, and energy efficiency
- Reliability in the face of renewable energy fluctuations, extreme weather, and disruptions such as wildfires
- Growing corporate and organizational goals for decarbonization and grid integration
- More affordability and equity concerns for low-income community members and small businesses



What We Heard

How do you think that SRP can help our customers and communities to reach their energy and sustainability goals?

Large Stakeholder Group Top Themes

- Decarbonize the power system to help customers achieve their goals, address climate change, and improve air quality and health
- Support on-site generation, demand response, storage, energy efficiency, grid integration, and interactive technologies
- Provide a wide range of customer programs that address varying energy-related needs and goals and varying affordability needs
- Focused programs for low-income and vulnerable customers for affordability and equitable access to energy programs and technologies
- Expand community education and outreach so that customers better understand options, benefits of the programs, and factors that must be balanced by SRP; consider community input
- Grow the EV charging infrastructure, including in apartment developments

Decision Making Under Uncertainty

Integrated System Plan

Lakshmi Alagappan, E3, ISP Consultant



Planning a boat trip down the river...

What we can control

- The type of boat we build
- The equipment we pack
- Preparations for the trip

The choices we make
should be informed by the
range of possible outcomes

What we can't control

- Conditions on the river
- What's around the bend
- Weather



Group Discussion – Brainstorming The Future

Lakshmi Alagappan, E3, ISP Consultant

Brainstorming the Future

(facilitated discussion, 40 min)

Questions to Discuss:

1. In the past two decades, what changes have had the biggest impacts on Arizona? What changes were most unexpected?
2. What trends do you expect to see in Arizona within the next two decades?

SRP's 'Brainstorming The Future' Results

Angie Bond-Simpson, Director
Integrated System Planning & Support (SRP)

SRP Brainstorm: Future Considerations in System Planning



Climate Change Impacts

- Temperature increases
- Water availability
- Extreme weather events



Customer Trends

- Solar & battery adoption
- Participation in demand-side programs



Electricity Demand

- Economic growth
- Population growth
- Electrification



Market Dynamics

- Power market conditions
- Gas prices
- Supply chain issues
- Regional coordination



Policy

- Carbon pricing
- Siting/permitting regulations
- Federal support for carbon-free technologies



Power Infrastructure

- Renewable & storage costs
- Breakthrough generation and delivery technologies
- Communications and controls
- Land availability and cost

Let's Discuss

(Open facilitated discussion, 20 min)

Discussion Questions:

- What's common in the two lists and what's different?
- Any additional factors to consider after seeing SRP's Brainstorming results?
- Which are the highest priority to evaluate in the Integrated System Plan?
 - SRP's Three Pillar Mission: Reliability, Affordability & Sustainability

Discussion Questions:



Climate Change Impacts

- Temperature increases
- Water availability
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Customer Trends

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Market Dynamics

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Policy

- Carbon pricing / fed. support
- Siting / permitting regulations



Electricity Demand

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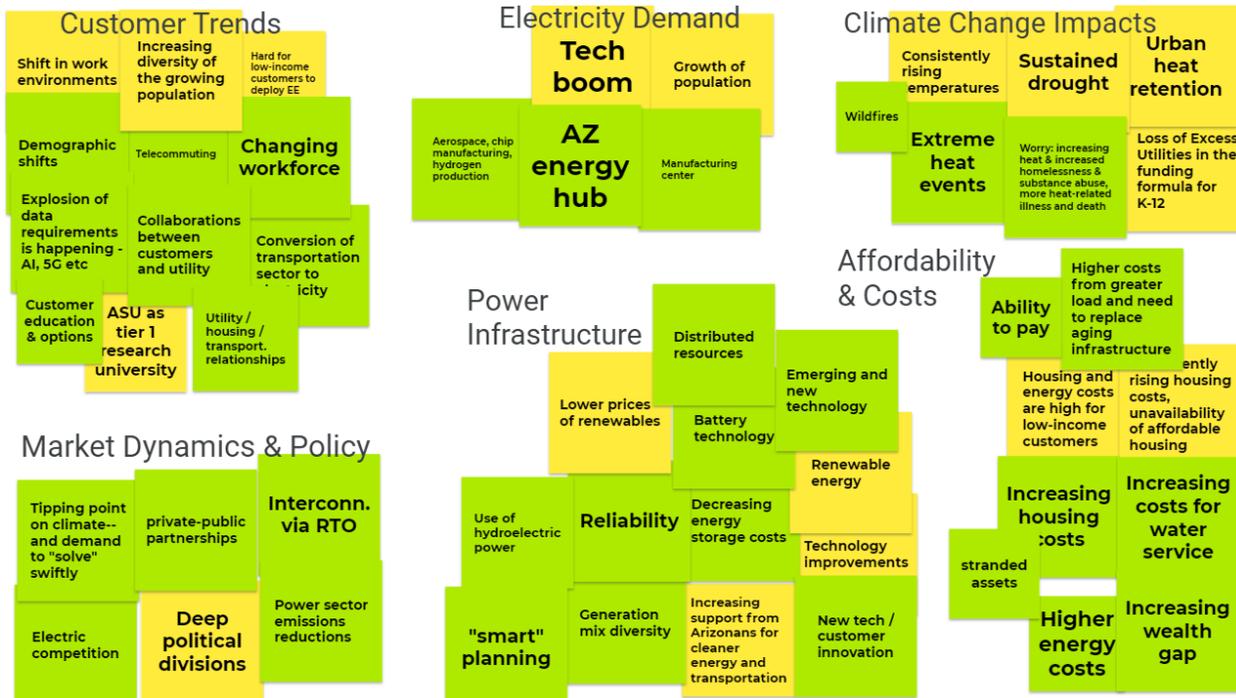


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Next Steps and Wrap-Up

Angie Bond-Simpson, Director
Integrated System Planning & Support (SRP)

Next Steps

Advisory Group

- Our Power Future, Together - January 19th 9:00AM-1:00PM (MST)
(Time changed back to morning session)
- Path Options – February 15th 9:00AM-1:00PM (MST)



Stakeholder Communication Email:

IntSysPlan@srpnet.com

Integrated System Plan: Informational Portal

<https://srpnet.com/about/integrated-system-plan.aspx>

Large Stakeholder Group

Tentative Schedule:

- Meeting #2: **ISP Study Plan** – March 2022
- Meeting #3: **ISP Study Results** – September 2022
- Meeting #4: **ISP Path Forward** – December 2022