

SRP

Summer Preparedness 2016

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April 28, 2016

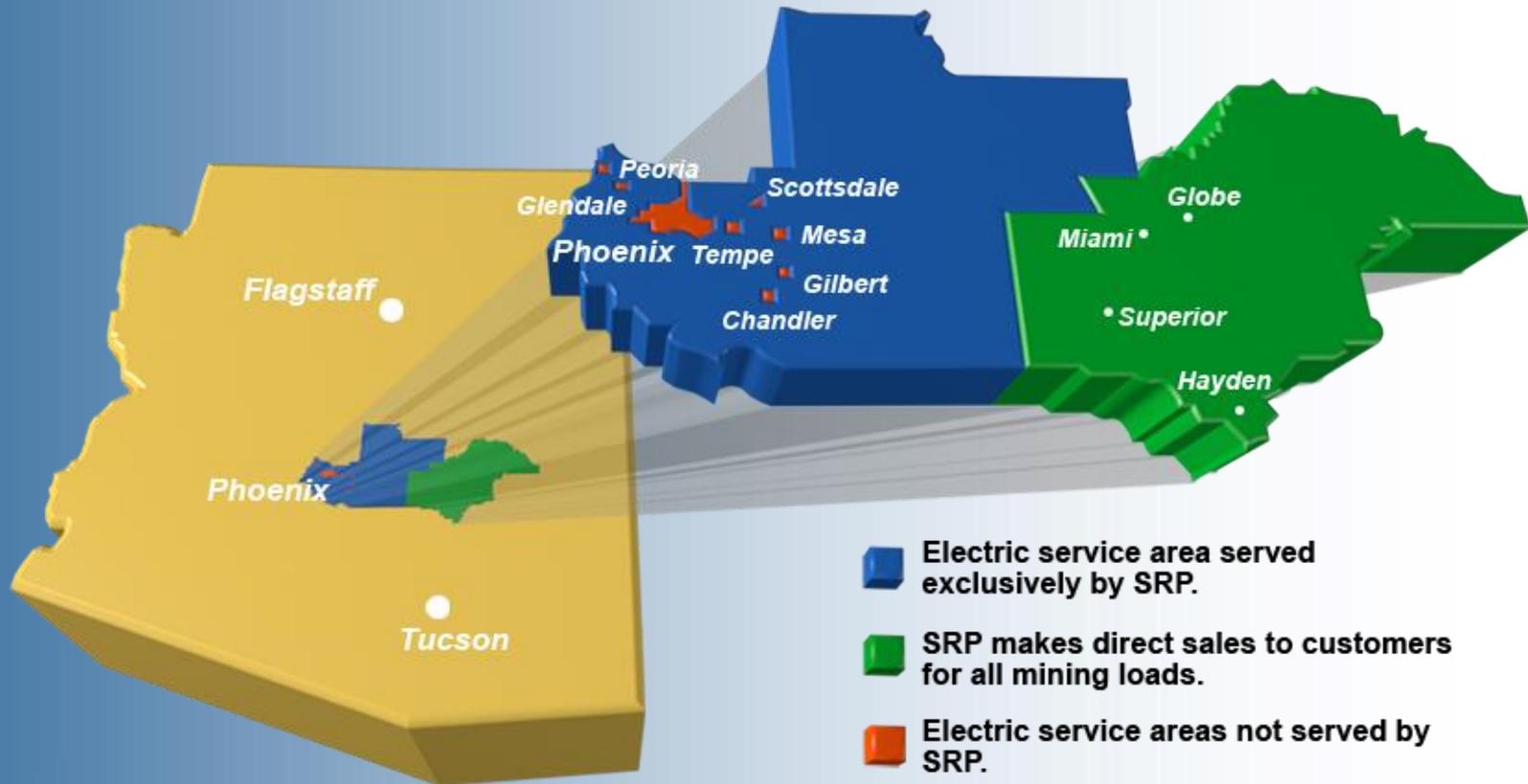
SRP's Electric System

- **Provide electricity to over 1 million power users in a 2,900 square-mile area in parts of 3 counties – Maricopa, Gila, and Pinal**

System Stats:

- **319 Substations**
- **3,310 Transmission Line Miles**
- **19,749 Distribution Line Miles**
- **45 Generation Units**

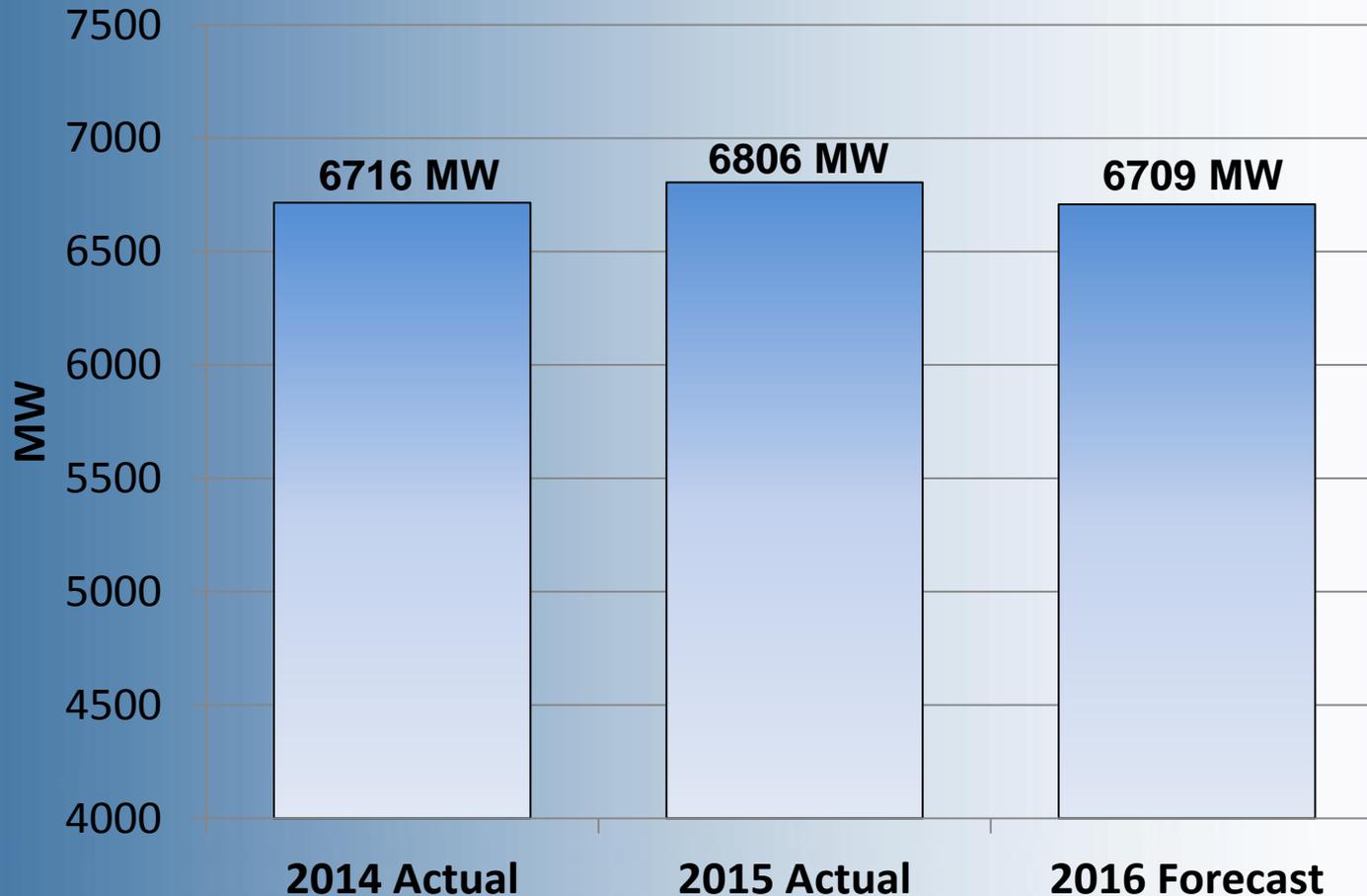
SRP's Electric Service Area



Summary

- Peak demand is expected to be lower than last year's actual peak.
- Adequate resources have been secured to meet anticipated demand.

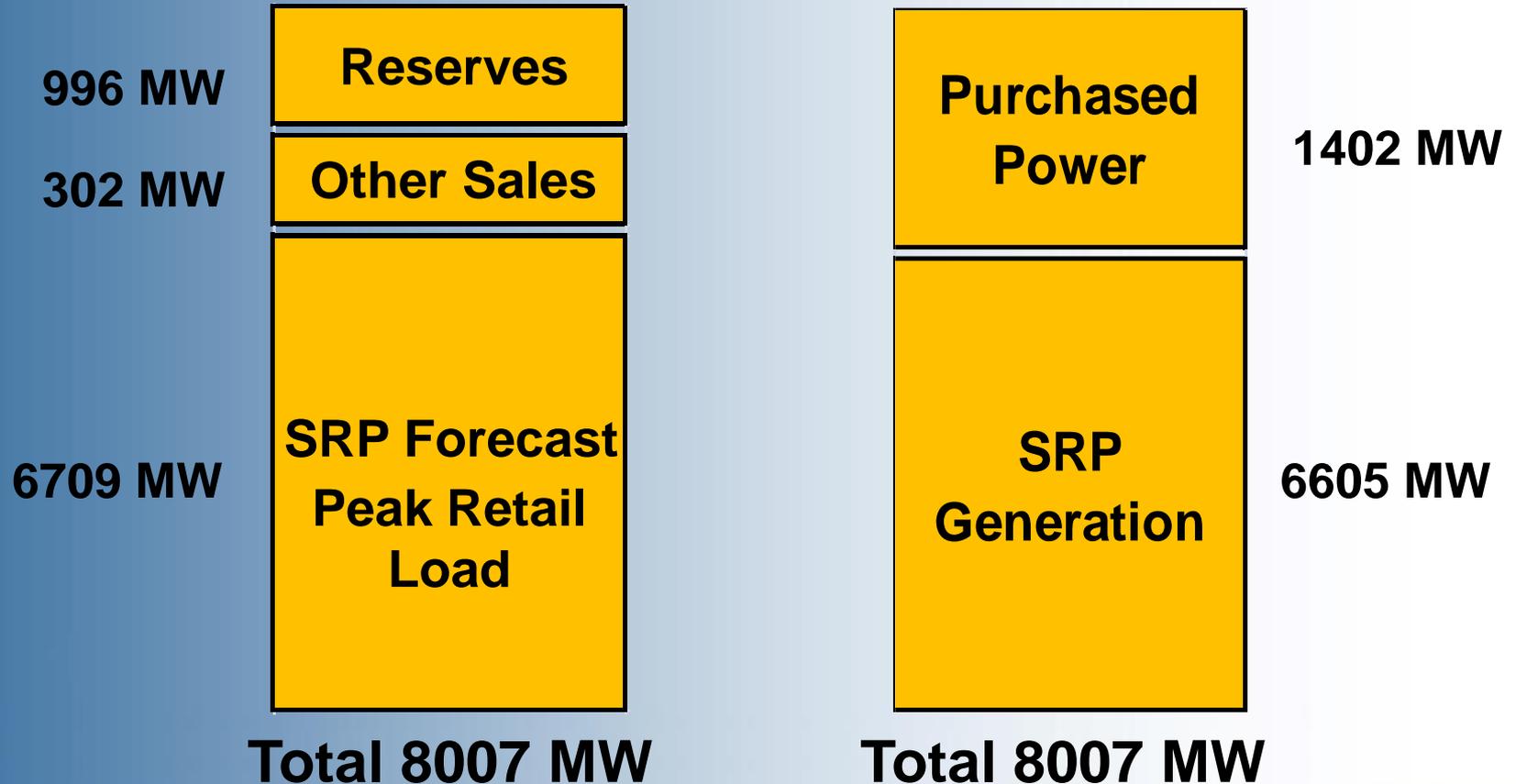
Peak Retail Load Forecast



Summer 2016 Outlook

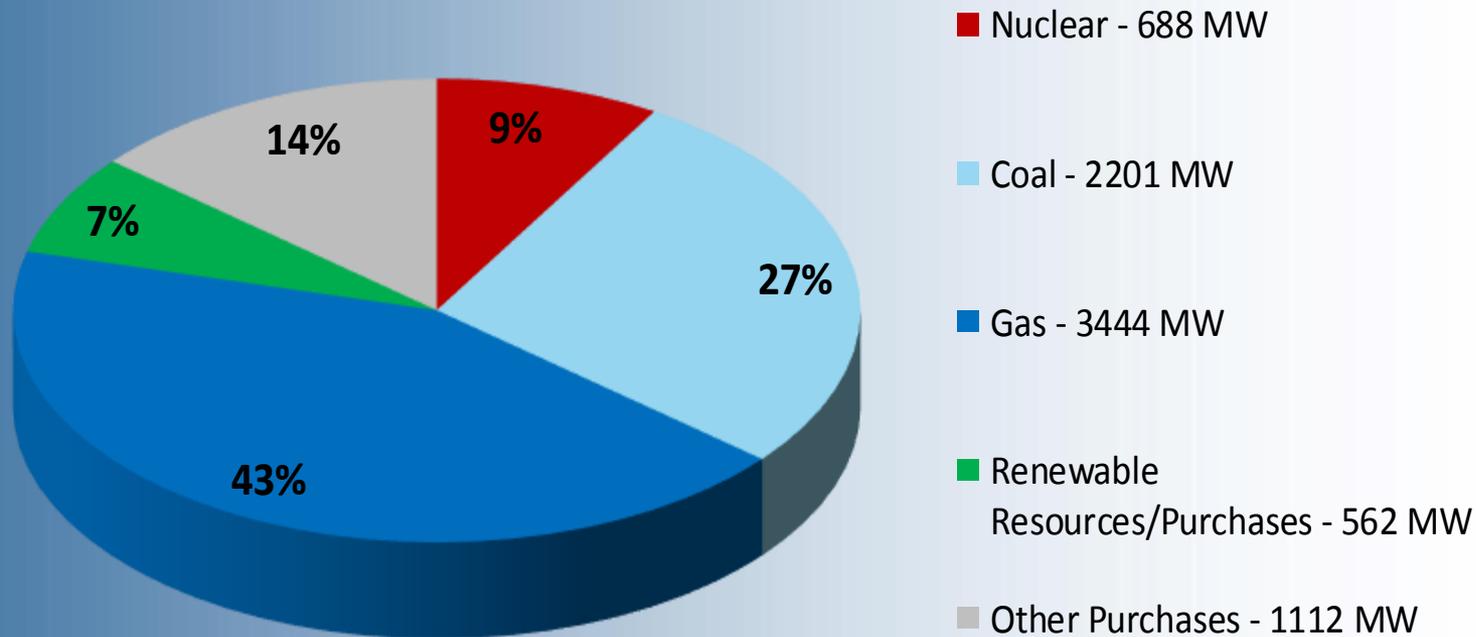
Expected
Need

Expected
Capability



SRP 2016 Resources

Expected Capability: 8007 MW



Purchased Power

- Purchased power portfolio is in place to meet demand.
- Additional purchases may be needed to respond to forced unit outages.
- Regional market conditions suggest that there will be sufficient capacity to meet the Arizona demand.

Fuel Status

- **Nuclear**
 - Full requirements under contract.
- **Coal**
 - Full requirements under contract.
 - Inventory at coal plants are at or above target levels.
- **Natural Gas**
 - Full transportation requirements are under contract with two pipelines.
 - Current supplies of natural gas are adequate.

Sandstone Solar

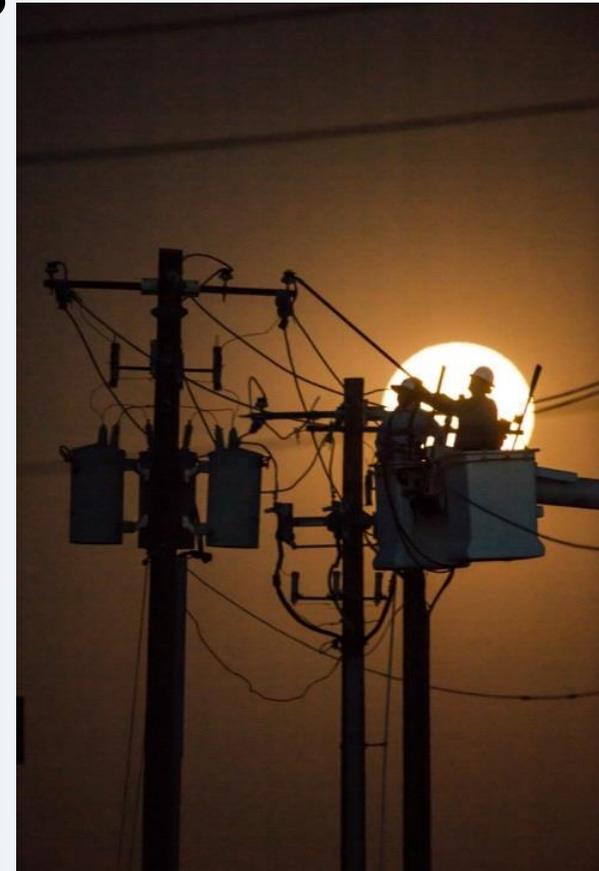


Transmission & Distribution Overview

- Transmission and Distribution Systems are prepared for summer operations.
- The system has sufficient capacity to serve forecasted peak demand.

2016 Transmission Additions & Replacements

ADDITIONS	
Transmission Poles	10
Breakers (69 kV – 500 kV)	5
REPLACEMENTS	
Transmission Poles	370
Breakers (69 kV – 500 kV)	16



Additional Transmission Improvements

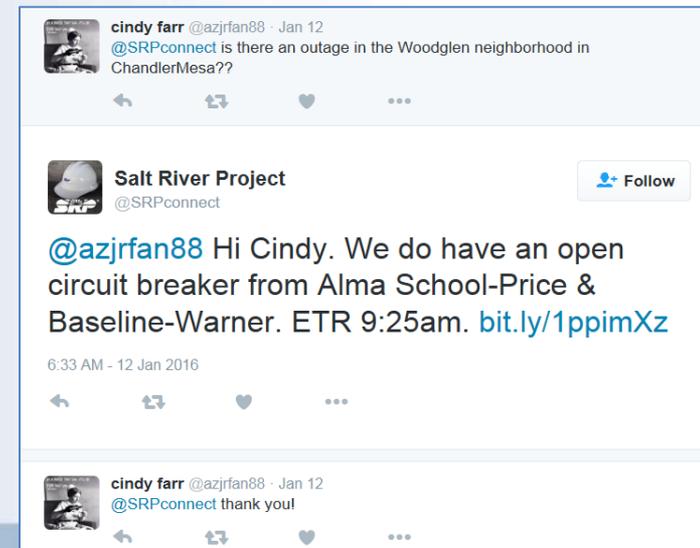
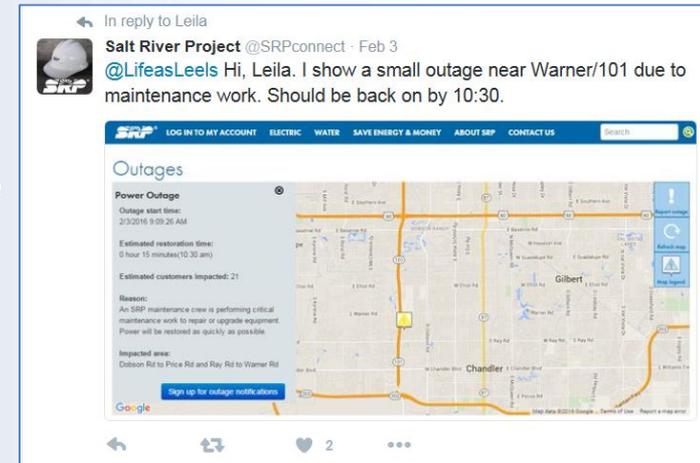
- Rearranged Goldfield 115 kV Station
- 2 New Distribution Bays to Support Load Growth
- 6 – 69 kV Transformer Protectors for Fault Isolation
- 33 New Transformer Monitoring Equipment

System Preparation

- Preventative maintenance
- Tree trimming
- Pole reinforcement
- Bushing replacement
- Cable replacement
- Spare equipment and material
- Wildfire coordination
- Line patrols/inspections
- Emergency training
- Blackstart training
- Operations coordination
- Storm planning
- Contingency mitigation

SRP - Outage Information Resources

- **Reporting an Outage**
 - Via web, Mobile device, Phone, Automated Interactive Voice Response System
- **Automated power restoration messages are delivered to the customer**
- **Proactive Communications via Text or Email**
 - Over 586,791 residential outage contacts receive proactive outage communications.
 - With 5,860 business outage contacts signed up to receive outage information.



Smart Demand Response



Summary of Year 2016 Projected Conditions

- Transmission, distribution, SRP generation and planned energy purchases are adequate to serve the forecasted summer 2016 demand.
- Forecasted 2016 demand is comparable to 2015 and is supported by a robust transmission system.
- Contingency plans are in place to handle emergency events.
- Proactive customer communication plan in place for outage situations.