

# SRP

# Summer Preparedness 2014

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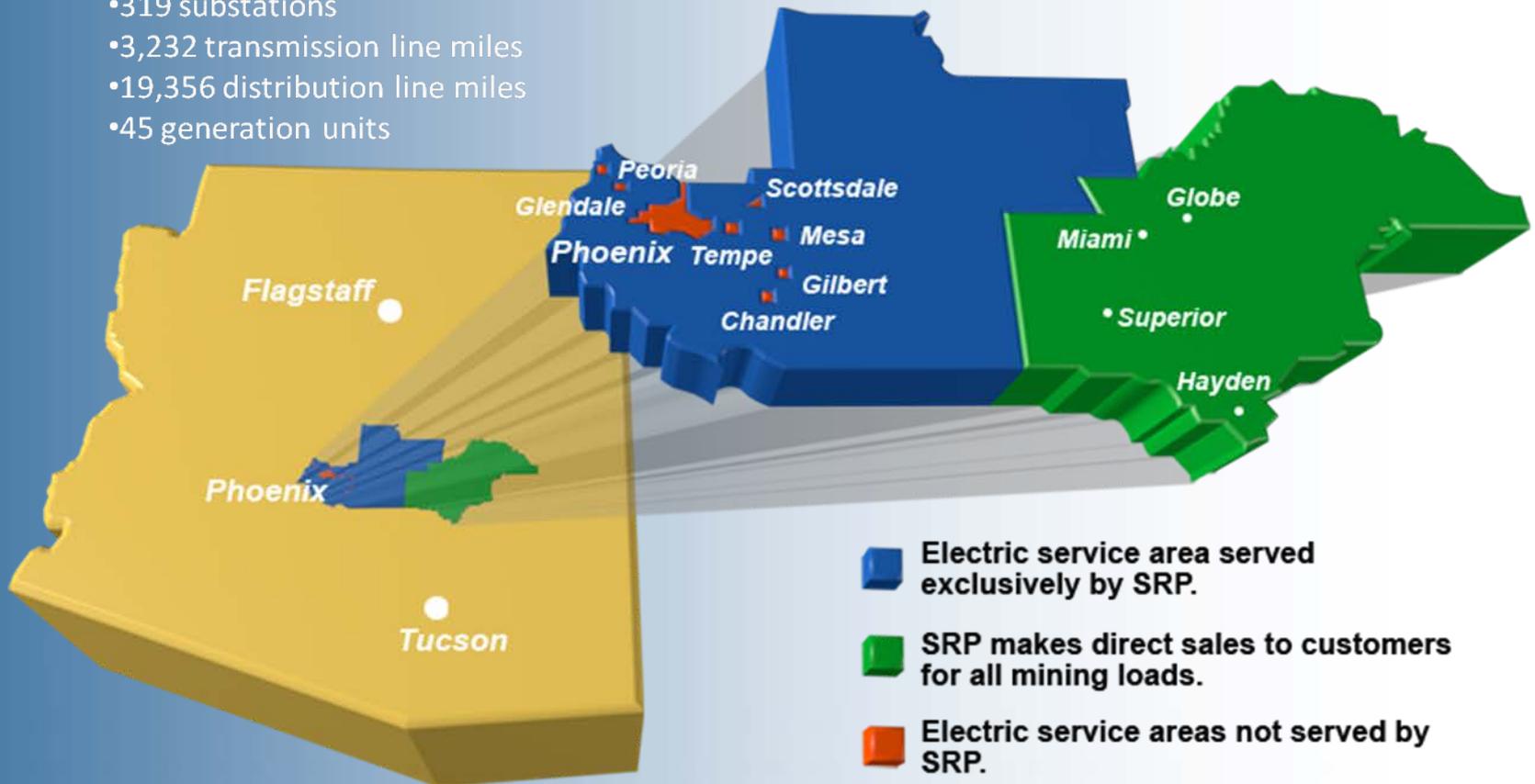
April 10, 2014

# SRP's Electric Service Area

The Salt River Project Agricultural Improvement and Power District provides electricity to 990,000 power users in a 2,900 square-mile area in parts of three counties – Maricopa, Gila and Pinal

## System Statistics

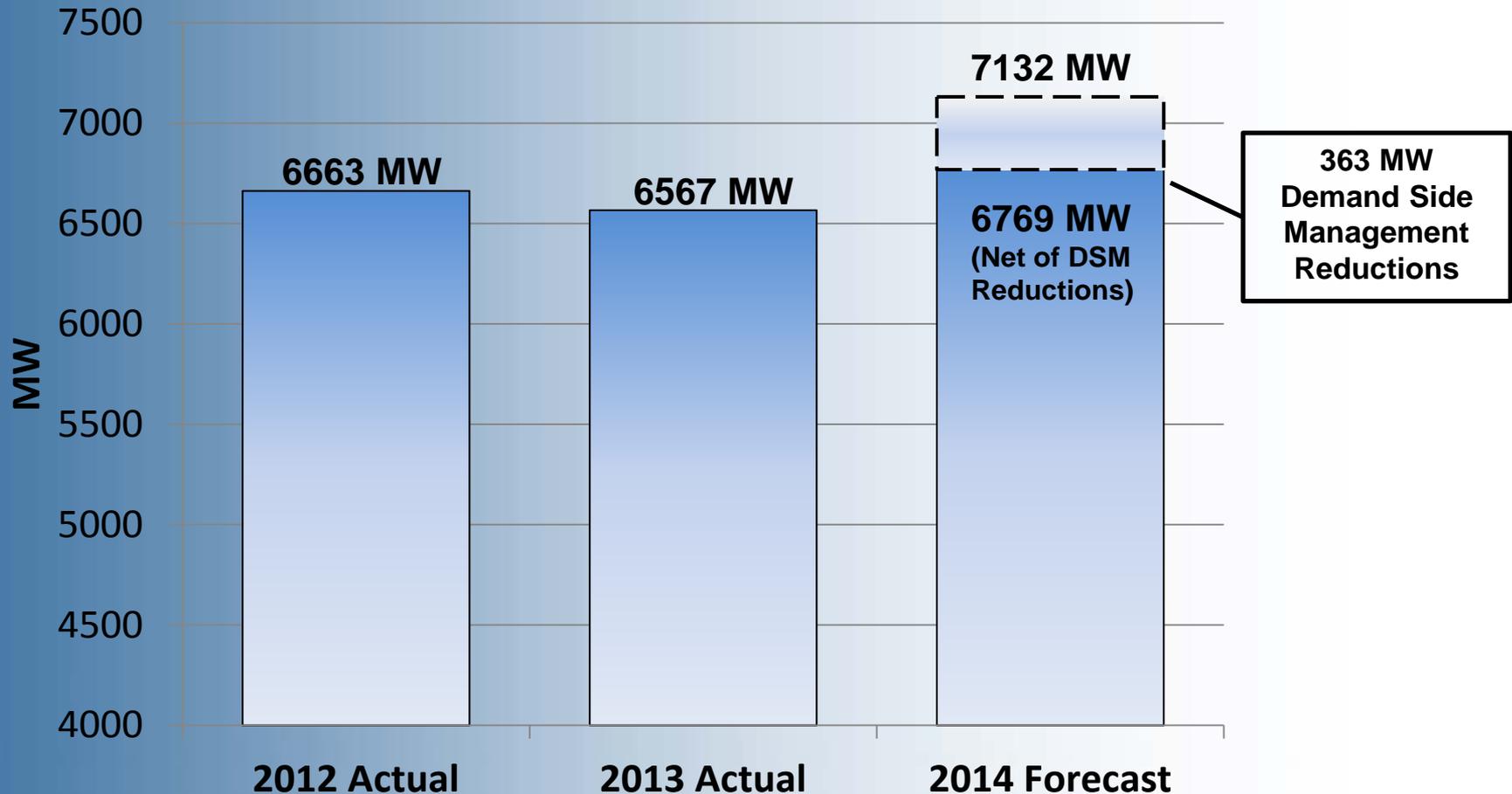
- 319 substations
- 3,232 transmission line miles
- 19,356 distribution line miles
- 45 generation units



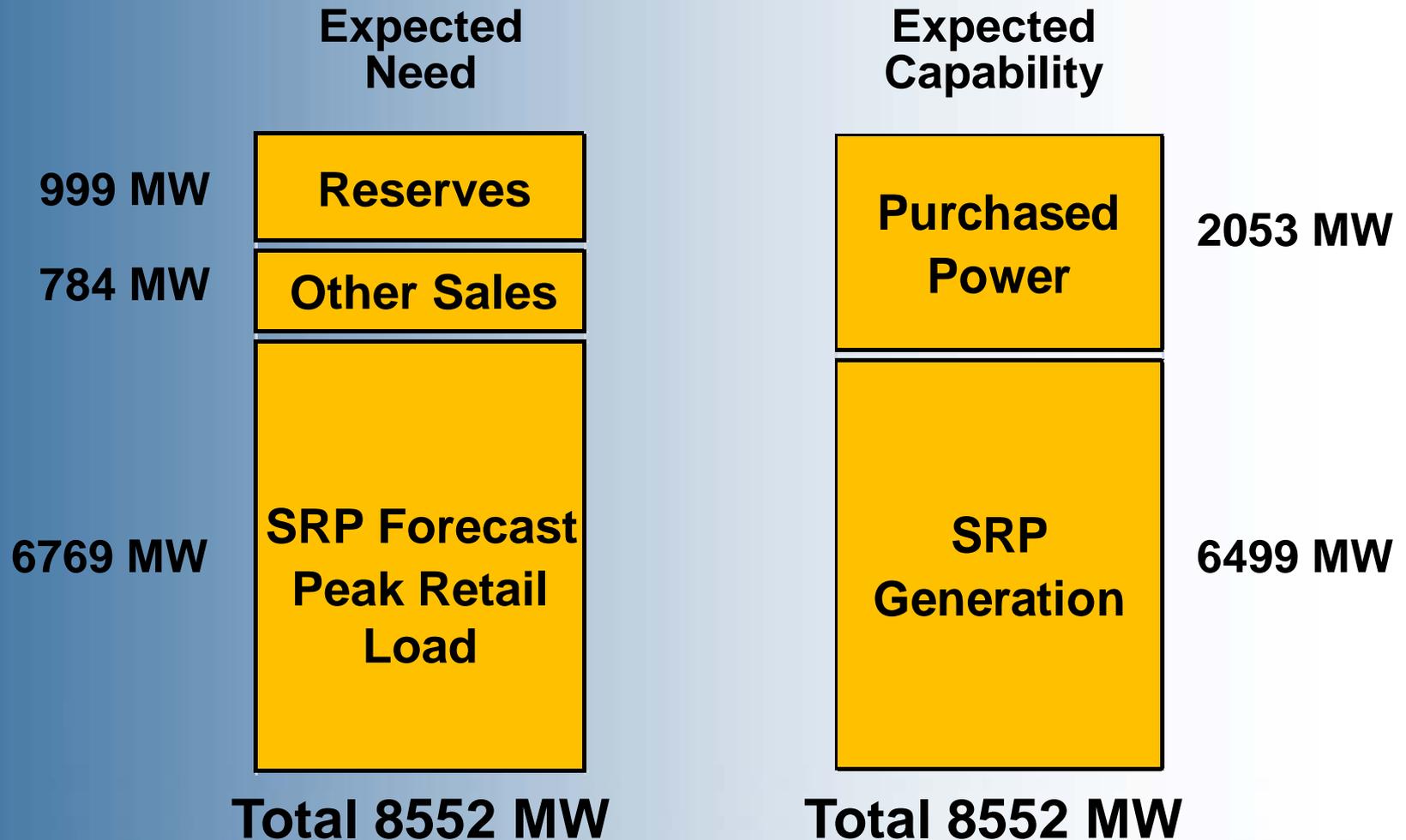
# Summary

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

# Peak Retail Load Forecast

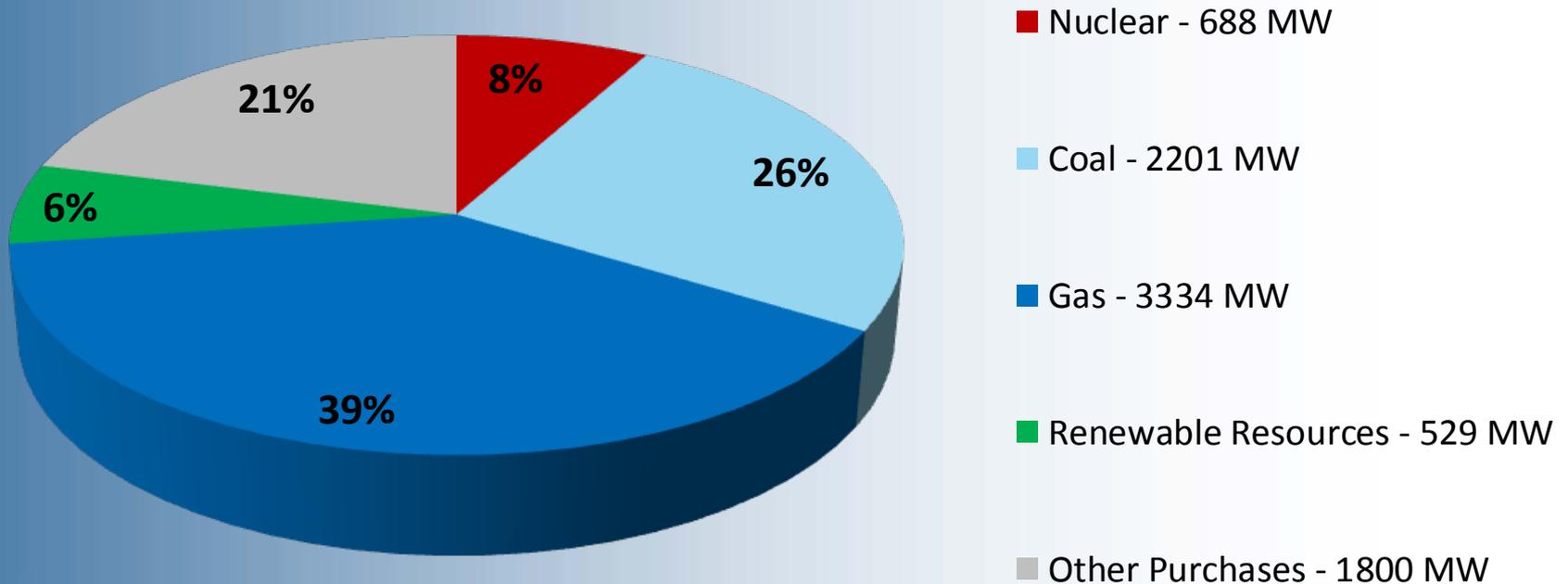


# Summer 2014 Outlook



# SRP 2014 Resources

*Expected Capability: 8552 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.

# Reserves

- Respond to load extremes above base forecast.
- Provide an immediate response to forced outages.
- Quantity is based on NERC and WECC operating criteria and contractual arrangements.
- A portfolio of resources is utilized to meet the reserve requirements.

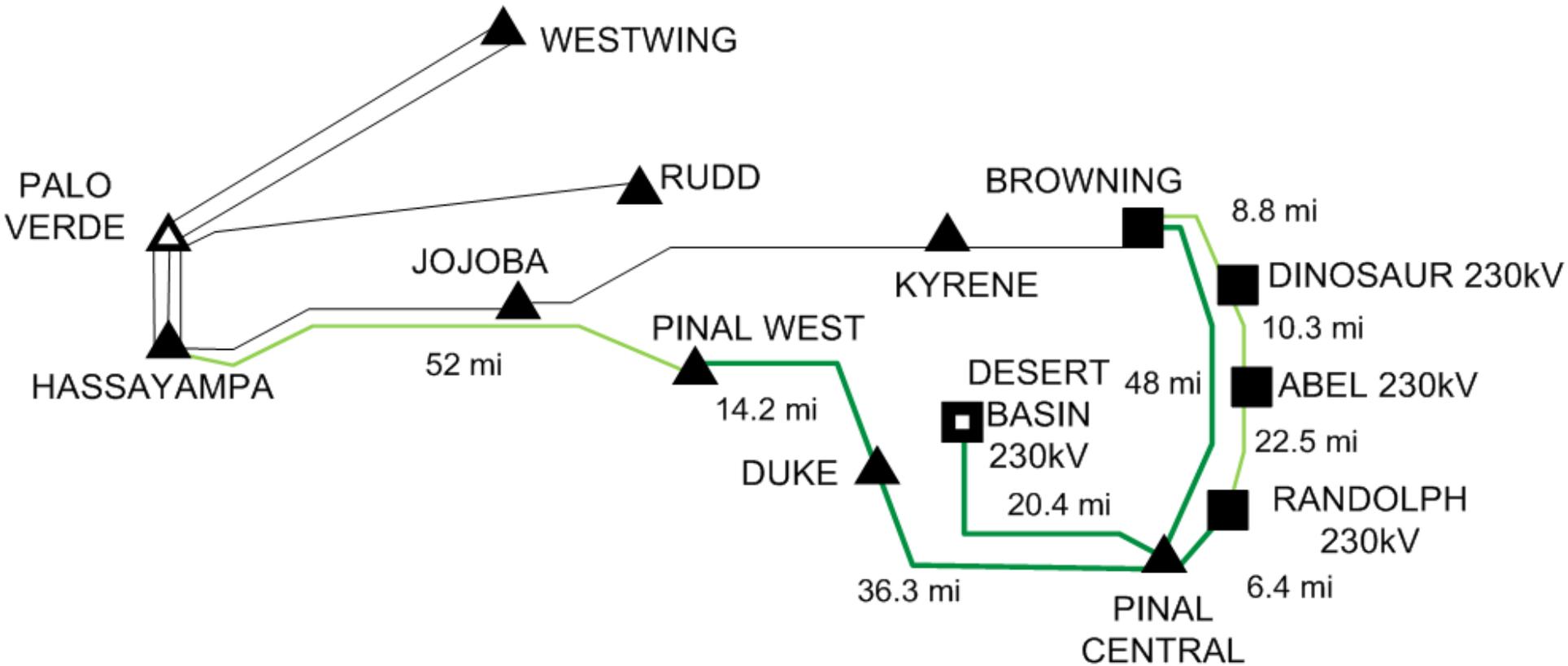
# Fuel Status

- **Nuclear**
  - Full requirements under contract.
- **Coal**
  - Full requirements under contract.
  - Inventory at some coal plants below target levels; contingency plans in place.
- **Natural Gas**
  - Full transportation requirements are under contract with two pipelines.
  - Current supplies of natural gas are adequate.

# Transmission & Distribution Overview

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

# Southeast Valley Project



# 2014 System Additions – SEV

System additions taking place in 2014 for the Southeast Valley Project include:

- 2 Substations (Duke and Pinal Central)
- 3 – 500/230kV Transformer (598MVA)
- 4 – 230kV Breakers
- 9 – 500 kV Breakers

# Southeast Valley Project



## Pinal Central 500/230 kV Substation

# Southeast Valley Project



**Pinal Central 500/230 kV  
Transformers**



**Southeast Valley Transmission**

# 2014 System Additions – Lines

ADDITIONS	NUMBER
Transmission Poles (Replaced)	246
New Poles for Cascade & Southeast Valley Projects	447
Rebuilt, Upgraded or New 69 kV Circuit Miles	12.8
New 230 kV Circuit Miles	26.5
New 500 kV Circuit Miles	98.5





## McGinnis Substation

# System Preparation

- Transmission and substation maintenance and training will be complete by summer. This includes:
  - Line patrols/inspections
  - Preventative maintenance
  - Pole reinforcement
  - Bushing Replacements
  - Wildfire coordination
  - Operations coordination
  - Tree trimming
  - Cable replacement
  - Storm planning
  - Emergency procedure training
  - Blackstart training
  - Spare Equipment/Material

# Distribution

- Summer operating procedures reviewed and refresher training provided to O&M personnel.
- Nine mobile substation transformers are available for service if needed.
- If required, the process for implementing rotating outages has been automated.
  - The planned sequence of substation outages and the duration of each outage is the same as in the past.

# SRP - Outage Information Resources

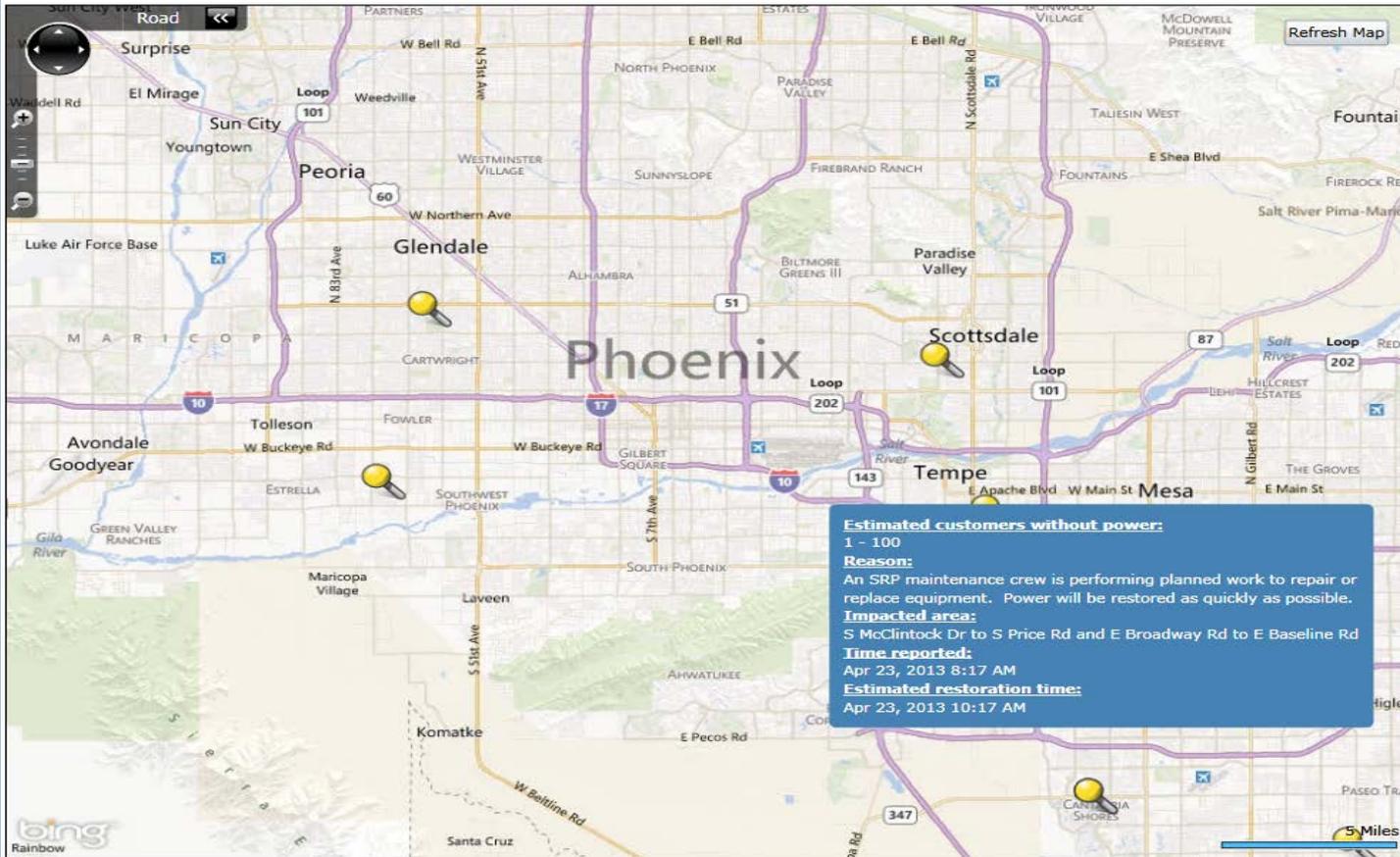
- **Reporting an Outage**
  - Via web, Mobile device, Phone, Automated Interactive Voice Response System
  - Call centers are available 24x7 to report via a live person
- **Automated power restoration messages are delivered to the customer**
- **Proactive Communications via Text or Email**
- **Outage Map**
  - Accessible on SRP website and on mobile devices
- **Social Media**
  - Twitter, Facebook



# SRP – Outage Map

## Current SRP Outages

A pushpin, if shown, represents the general area of a known power outage, not the exact location. Hovering over a pushpin will allow you to see more information about that outage. To report an outage, you must log in to [My Account](#).



# Summary of Year 2014 Projected Conditions

- Transmission, distribution, SRP generation and planned energy purchases are adequate to serve the forecasted summer 2014 demand.
- Forecasted 2014 demand is comparable to 2013 and is supported by a more robust transmission system.
- Contingency plans are in place to handle emergency events.
- Proactive customer communication plan in place for outage situations.