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April 30, 2013

Docket Control
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

RE: Arizona Public Service Company 2013 Summer Energy Preparedness Special Open Meeting Presentation Docket No. E-00000F-07-0199

Attached please find a copy of Arizona Public Service Company's 2013 Summer Energy Preparedness Presentation from the April 25, 2013, Special Open Meeting.

If you have any questions regarding this information, please contact Jennie Vega at (602) 250-2038.

Sincerely,

Jeffrey W. Johnson

JJ/cd

Attachment

Arizona Corporation Commission
DOCKETED
APR 30 2013
DOCKETED BY

Arizona Public Service Company
2013 Summer Readiness

Before the Arizona Corporation Commission

April 25, 2013

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Presenters

- **Jim Wilde**
  Director: Resource Planning
- **Donna Easterly**
  Director: Statewide Energy Delivery

Agenda

- Loads and Resources
- Fuel Supplies
- Planned Maintenance Activities
- Emergency Preparedness & Customer Outreach
- Conclusions

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APS Service Statistics

- 11 counties
- 34,645 square miles CC&N area
- 1.1 million customers
- 424 substations
- 28,937 distribution line miles
- 5,434 transmission line miles
- 54 generation units

2013 Total Generation Resources

Fuel Source	Capacity at Peak (MW)
Nuclear	1,146
Coal[1]	1,932
Gas Combined Cycle	1,898
Gas/Oil CT, Steam	1,464
Long-Term Contracts	2,397
Renewables (nameplate 434 MW)	161
Total	8,998

Notes:
1) Assumes APS purchases SCE's 48% share of Four Corners Units 4 & 5, and shutdown of Units 1,2, & 3

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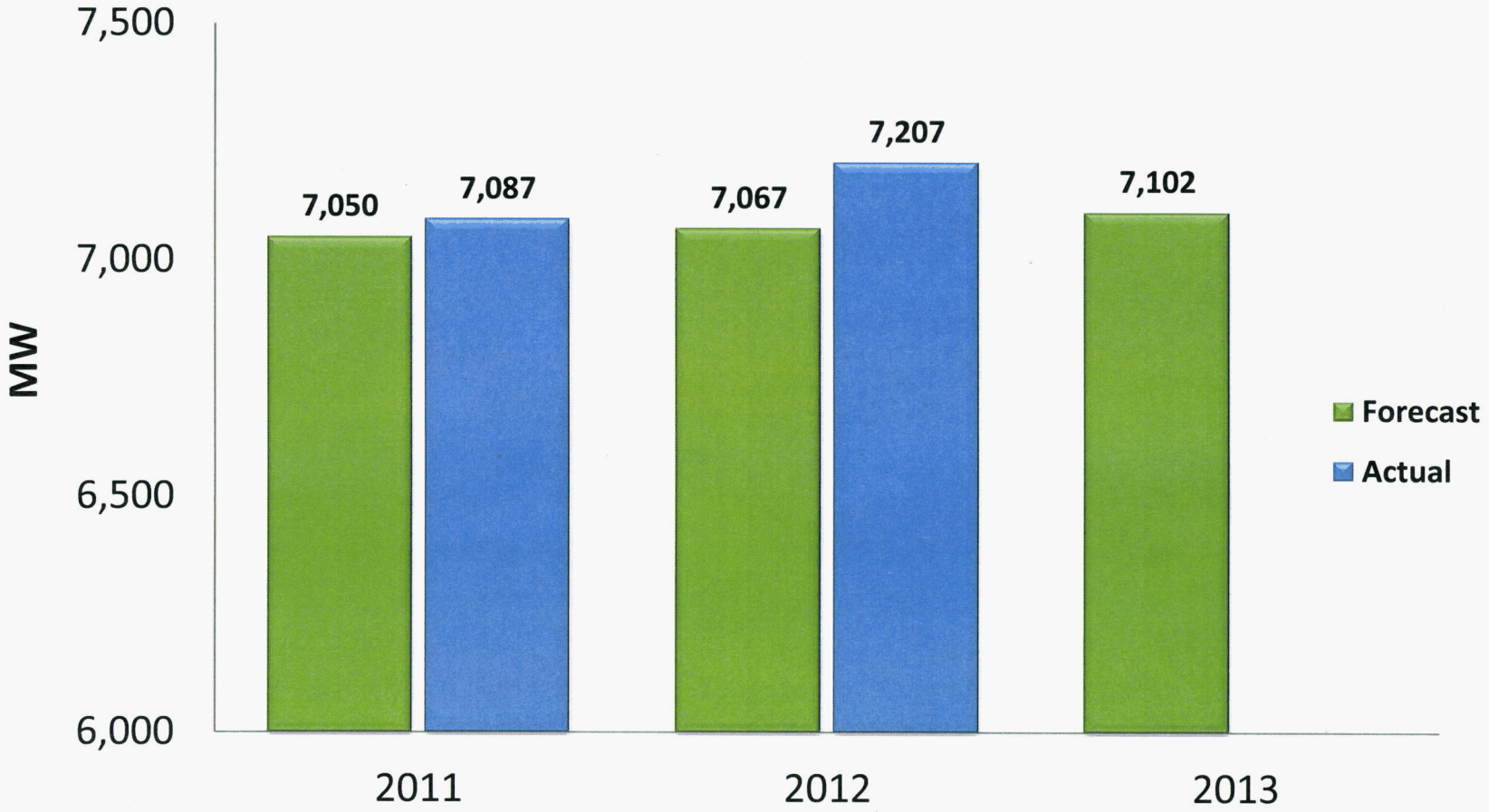
APS System Peak Demand

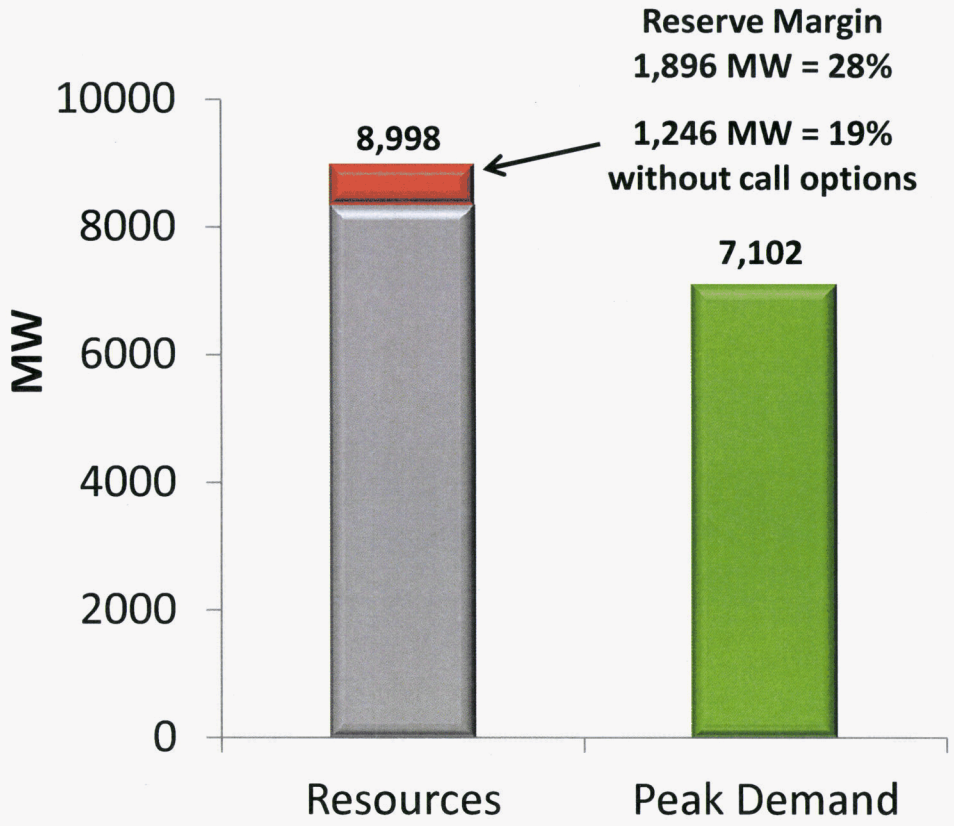


Forecasts are weather normalized

2013 Peak Generation Resources and Demand

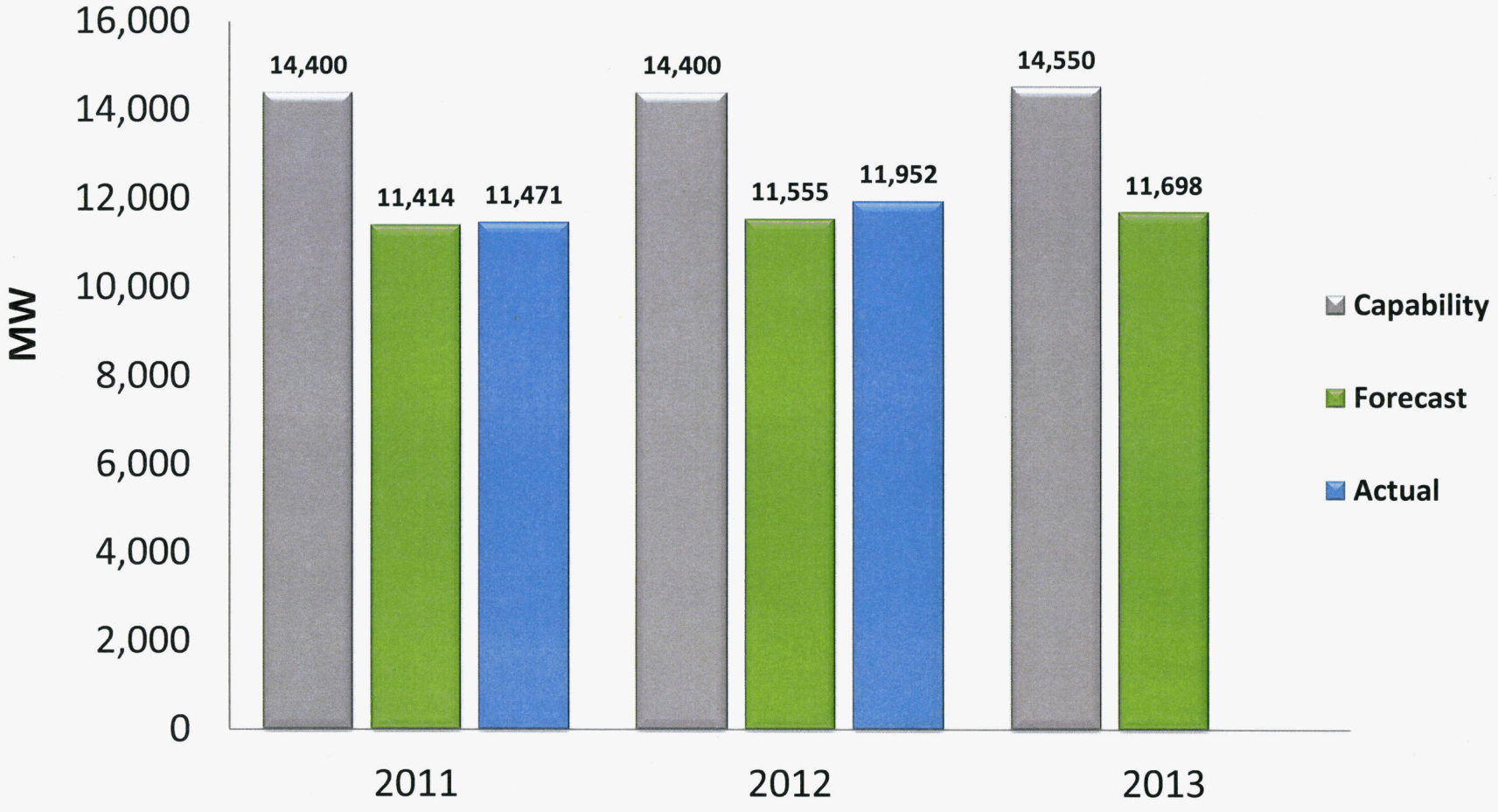
Planned reserve margin to manage uncertainties

- Load forecast uncertainties (weather, economy)
- Unplanned unit outages
- Varying levels of customer participation in mandated programs

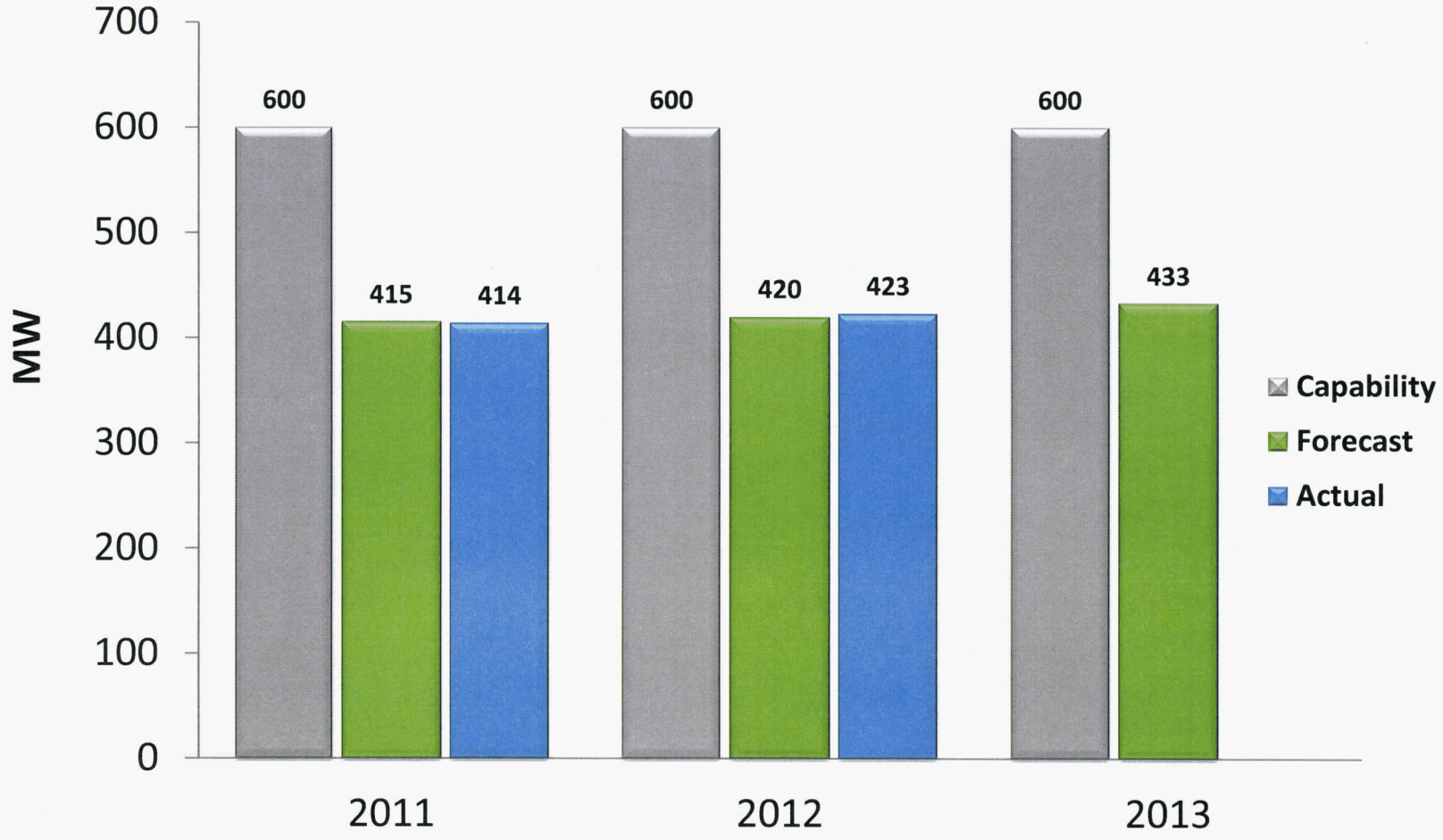


Current minimum reserve margin is 15%, or roughly 1,000 MW

APS/SRP Valley Maximum Load Serving Capability



Yuma Area Maximum Load Serving Capability



Nuclear: Palo Verde

- Fuel sourced from multiple suppliers
- 100% of 2013 fuel inventory in place
- 100% of fuel requirements contracted through 2017
- Overall station capacity factor at 92.3% in 2012
- 2012 was Palo Verde's best production year ever

Coal Supply

Four Corners Power Plant

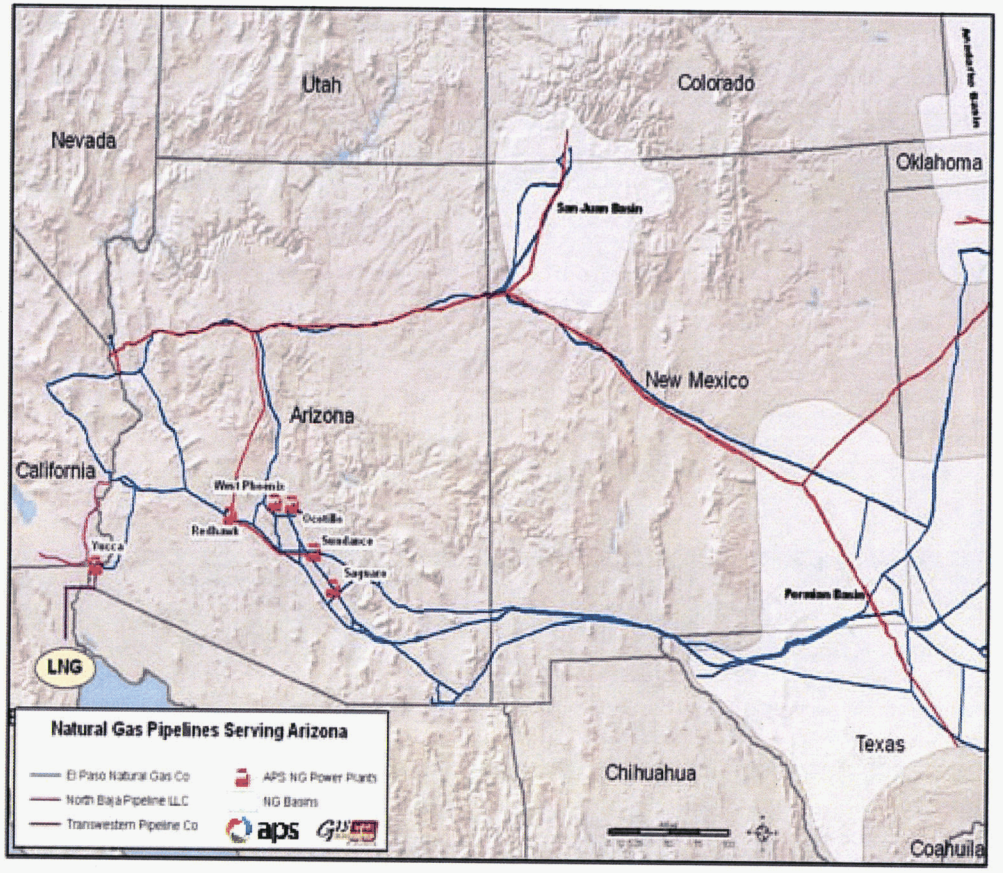
- Mine mouth plant with BHP Navajo Mine
- Contract term currently runs through 2016
- 60-70 days of reserves

Cholla Power Plant

- Fuel Source: El Segundo mine near Grants, NM
- Contract commitments in place through 2024
- 60-70 days of reserves

Natural Gas Supply

- APS has sufficient pipeline transportation and supply under contract to meet peak system needs
- El Paso Natural Gas supplies all APS natural gas plants
- Transwestern Pipeline also supplies the APS Redhawk and Sundance power plants
- North Baja Pipeline also supplies Yucca units 5 & 6



Planned Reliability Activities

- Transmission / Distribution Maintenance & Monitoring:
  - Substation Equipment Health
  - Real Time Monitoring Equipment – Critical Assets
  - Substation, Predictive & Preventative Maintenance Initiatives
  - Annual Transmission and Distribution Line Patrols

Planned Reliability Activities

- Vegetation Management & Wildfire Planning
    - Annual Wildfire Academy in Prescott
    - Pre-wildfire season meetings with five National Forests
    - Prepare APS personnel for fire season
  - Vegetation Management Program
    - Patrol Transmission & Distribution ROW

Emergency Preparedness & Response

- Coordination & Communications with Emergency Managers
  - AZ Dept of Emergency Management, county & municipal emergency managers, & public safety personnel
  - Cross Industry Partners: SRP, TEP, Southwest Gas
- Planning & Training Exercises
  - Statewide exercises and mock drills
  - 2013 Statewide Emergency Exercise
  - Incident Command Coordination & Training
  - Tours of critical facilities

APS Customer Outreach

- Targeted communications for customers, emergency managers & public safety personnel, and community leaders

- Coordination with local emergency management organizations to establish temporary shelters and/or provide outreach for vulnerable populations (need for shelters determined by emergency managers.)

- Purchase or reimburse of dry ice and/or bagged ice (for residential customers' refrigerators and freezers)

- Medical Care Preparedness Program (life support/medical monitoring)

APS Customer Outage Information Sources

- Call Center staffed with live agents 24hrs, 7 days/week
  - Automated, up-front recorded outage messages updated regularly
  - Outbound customer calls when power is restored
- News media
  - APS media hotline monitored 24hrs, 7 days/week
  - Access to Arizona DPS media alert system
- Social Media (Facebook, Twitter)
  - ETR's (estimated time of restoration)
  - General area affected
  - Outage cause – if known

Summary

- Generation resources, fuel supplies and transmission capacity in place to meet customer demand and reserve requirements
- Maintenance efforts on track
- On going coordination, integration with external emergency planners
- Strong customer communication channels in place