

# **SRP**

# **Summer Preparedness**

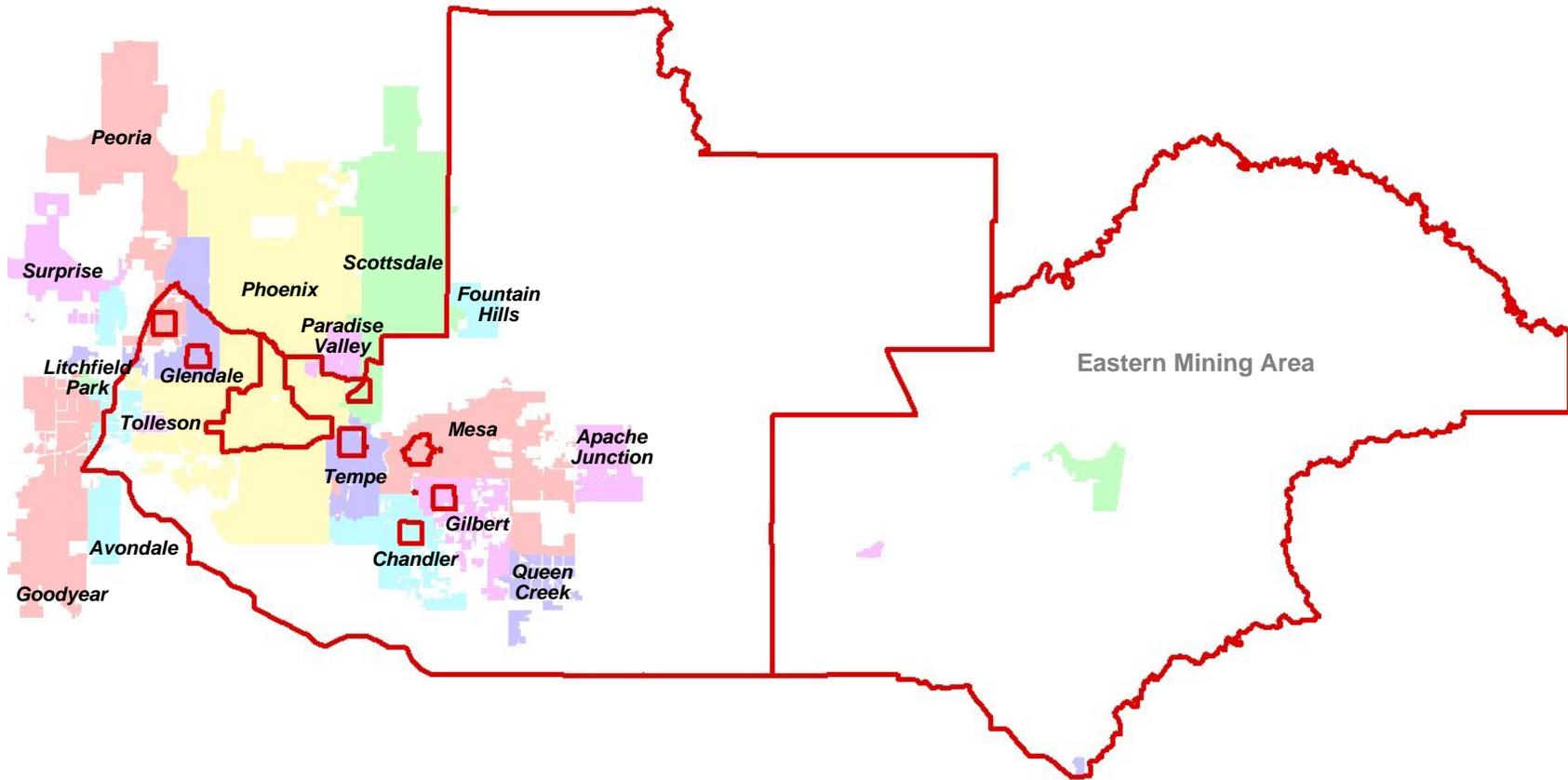
# **2010**

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Manager – Supply & Trading  
and  
Gary Harper  
Manager – System Operations

ACC Summer Preparedness Hearing  
April 8, 2010



# SRP Electric Service Territory

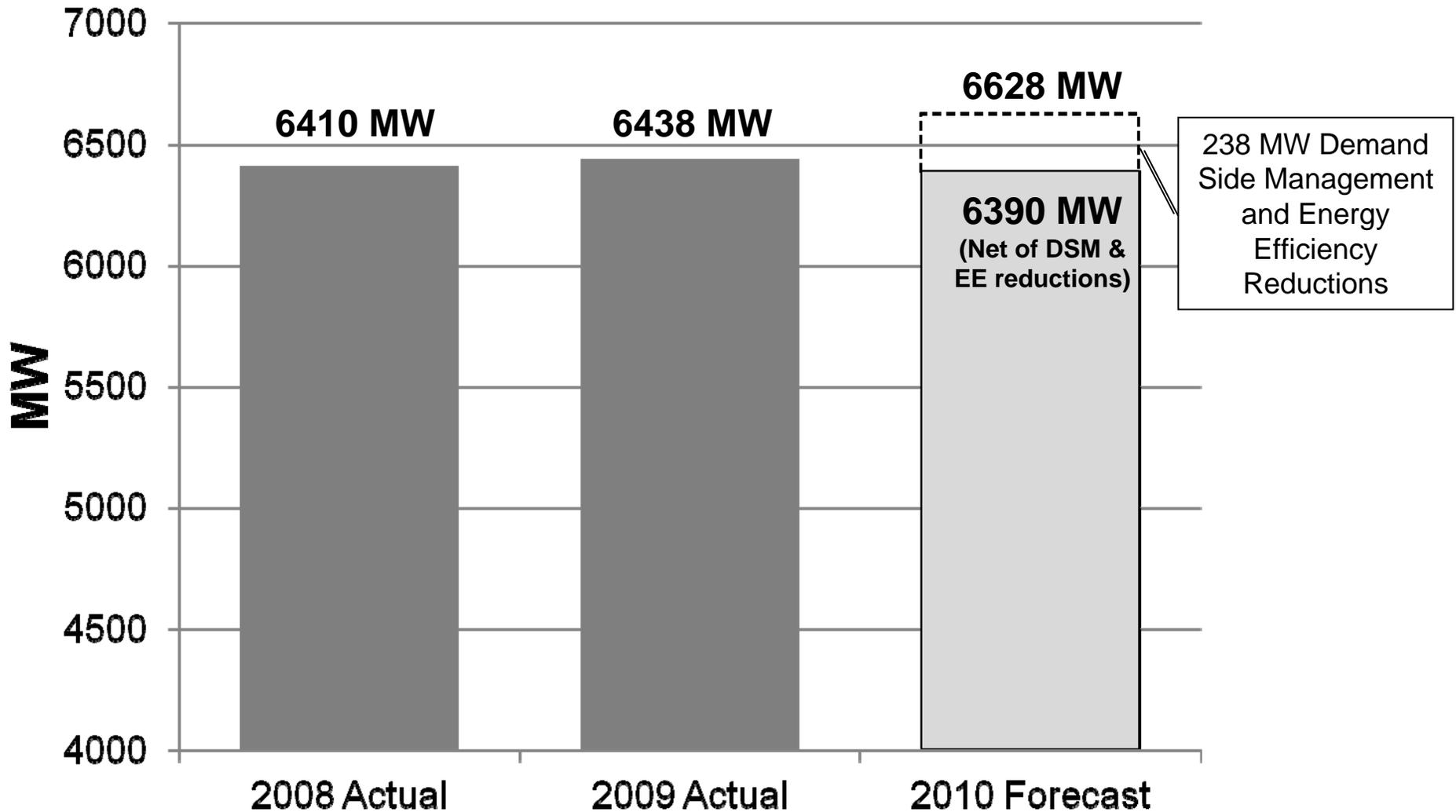


# Summary

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



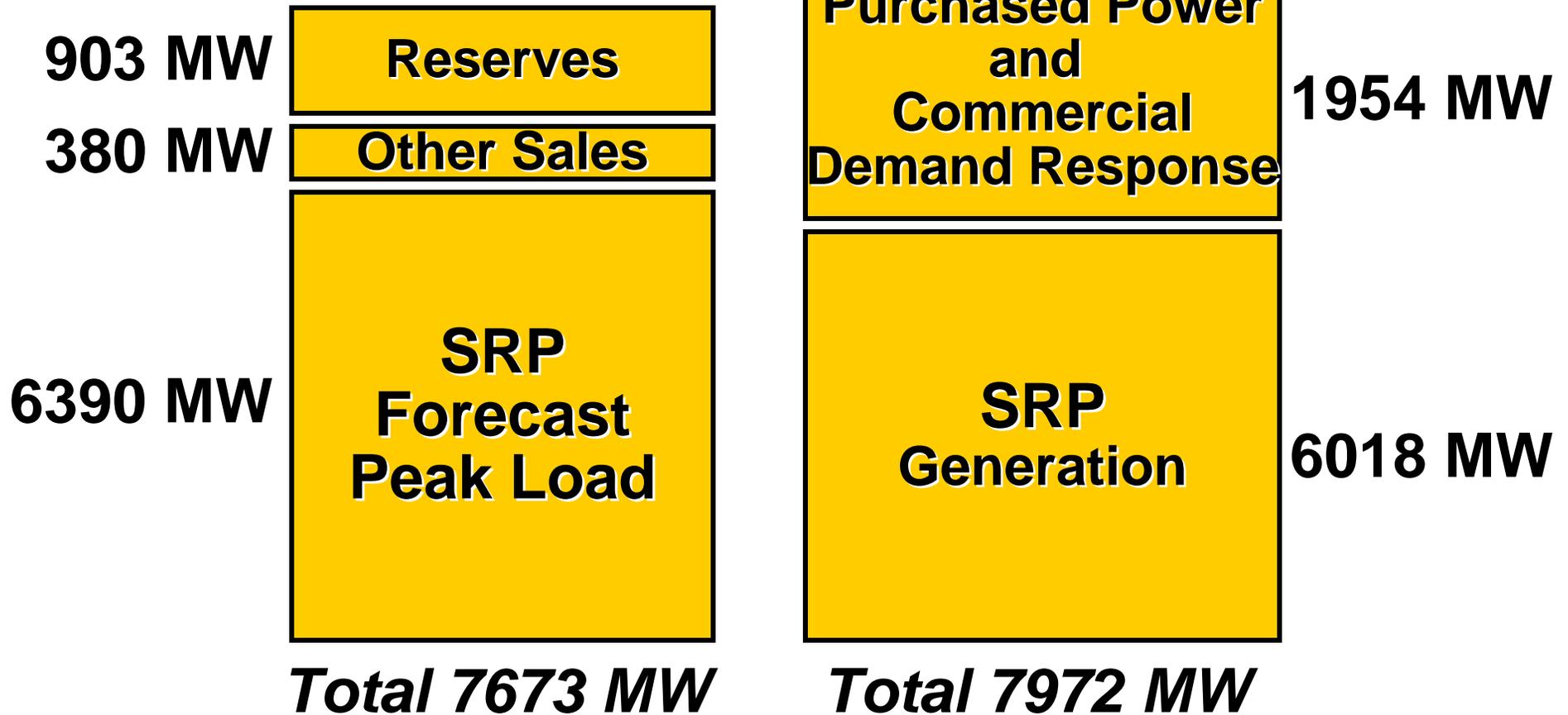
# Peak Load Forecast



# Summer 2010 Outlook

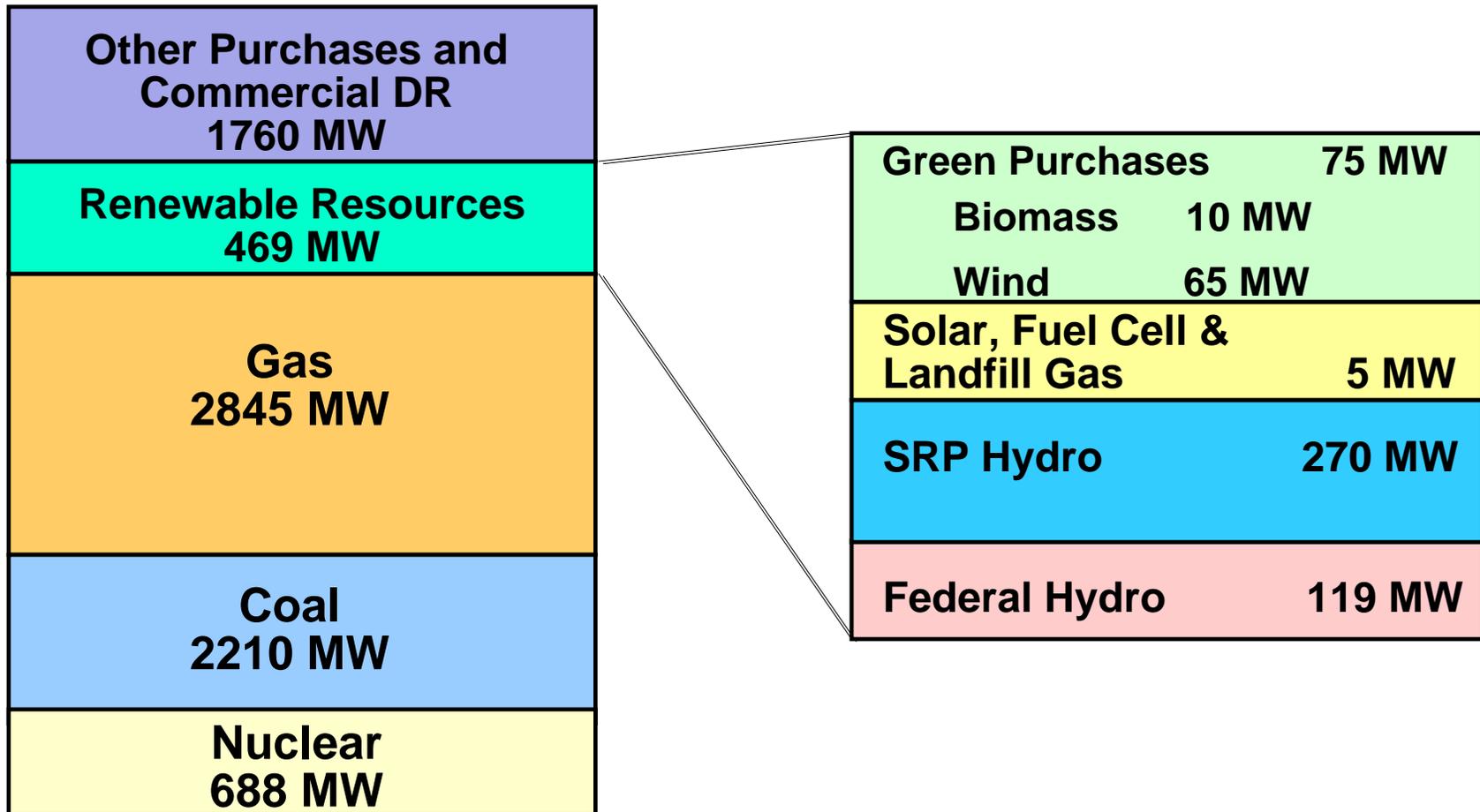
## Expected Need

## Expected Capability



# SRP Resources – 2010

***Expected Capability: 7972 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.

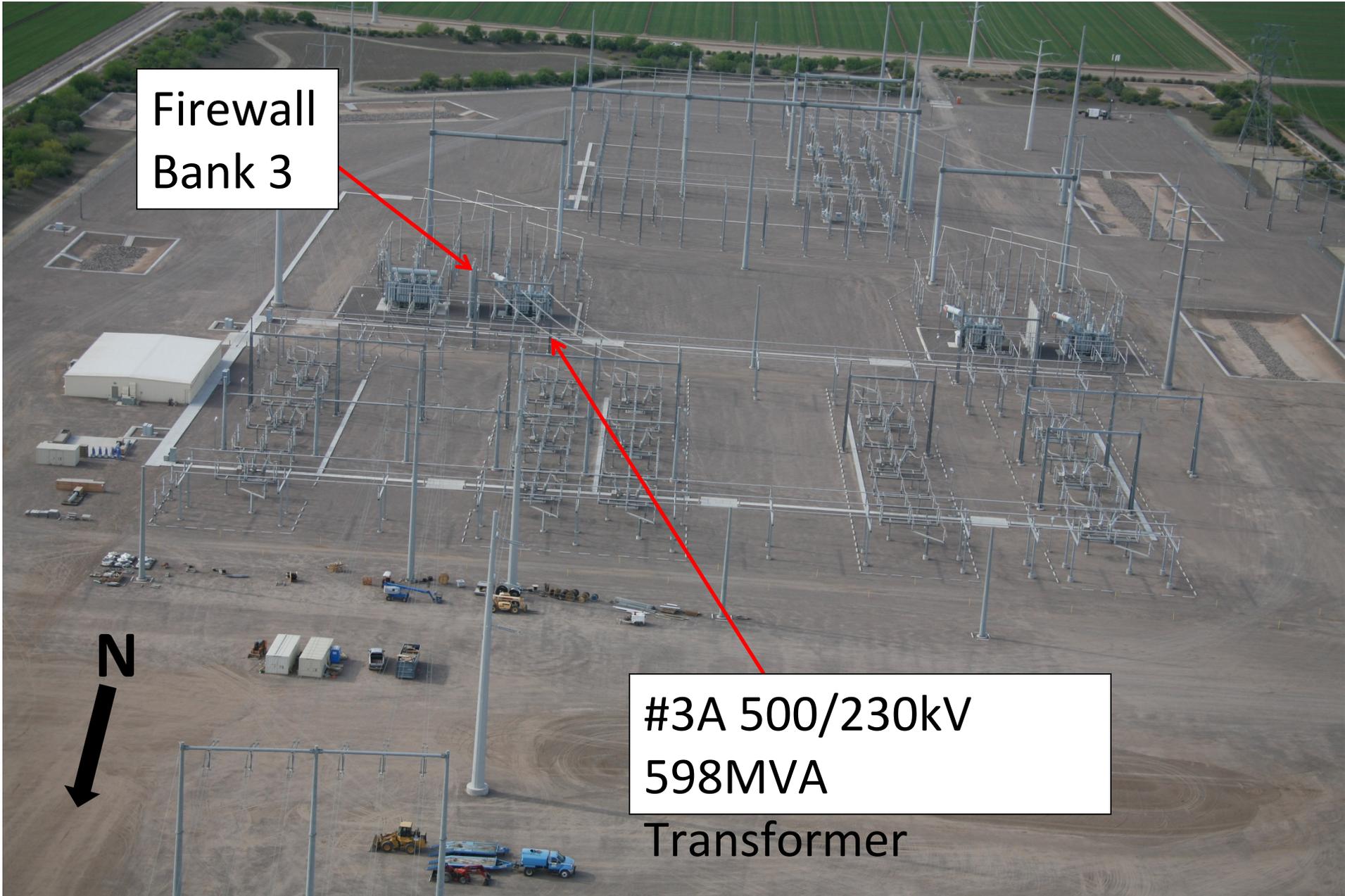


# Fuel Status

- Nuclear – Full requirements under contract.
- Coal
  - Plants expected to be at or above target inventories by summer season.
  - Full requirements under contract.
- Natural Gas
  - Full transportation requirements under contract.
  - In process of securing retail commodity requirements.
- Hydro



# Rudd 500/230kV Substation Bank 3A Fire

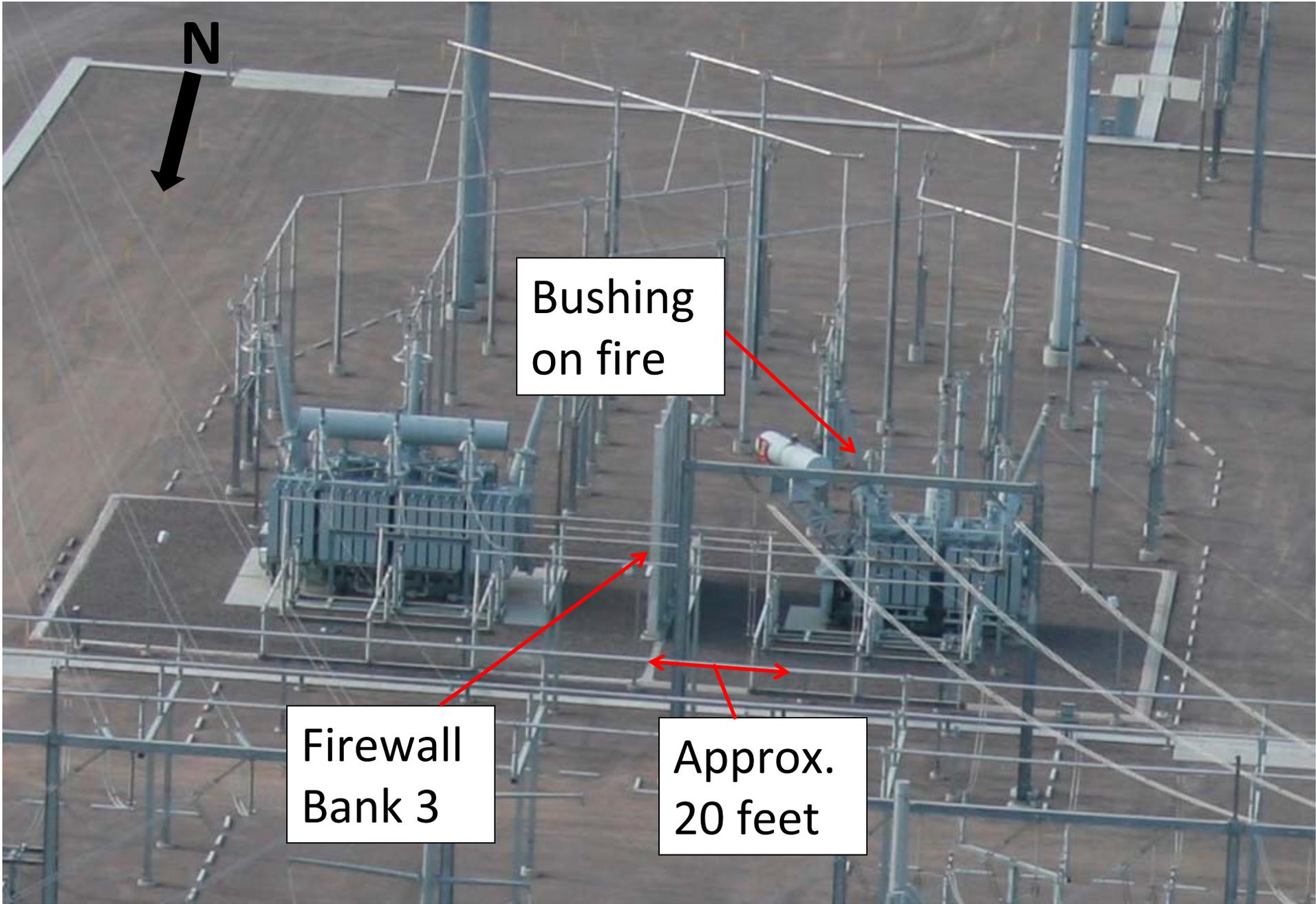


Firewall  
Bank 3

#3A 500/230kV  
598MVA

Transformer











# System Additions – Stations

NEW	NUMBER
Distribution Substations	1
28MVA 69/12kV Transformers	5
230kV Breakers	1
69kV Breakers	1
500/345kV Transformers	1



# System Additions – Lines

ADDITIONS	NUMBER
Pole Replacements	213
New Circuit Miles of 69kV Line	3.2 Miles



# System Preparation

Transmission and substation maintenance and training will be complete by summer. This includes:

- Line patrols/inspections
- Preventative maintenance
- Pole reinforcement
- Pole change-outs/upgrades
- Wildfire coordination
- Operations coordination
- Tree trimming
- Cable replacement
- Storm planning
- Emergency procedure training
- Blackstart training



# Distribution

- Summer operating procedures reviewed and refresher training provided to O&M personnel.
- Eight 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.



# Summary of Year 2010 Projected Conditions

- Transmission, distribution, SRP generation and planned energy purchases are adequate to serve the forecasted year 2010 demand.
- Contingency plans are in place to handle emergency events.



# Major Transmission Construction



04/08/10 ACC Hearing

Summer Preparedness 2010

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