

# APS 2021 Summer Preparedness

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# APS Service Territory

## Arizona's largest and longest-serving utility

- Since 1886
- 2.7 Million Customers
- 34,646 square mile service territory

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## Peak Energy Demand

~7,600 megawatts

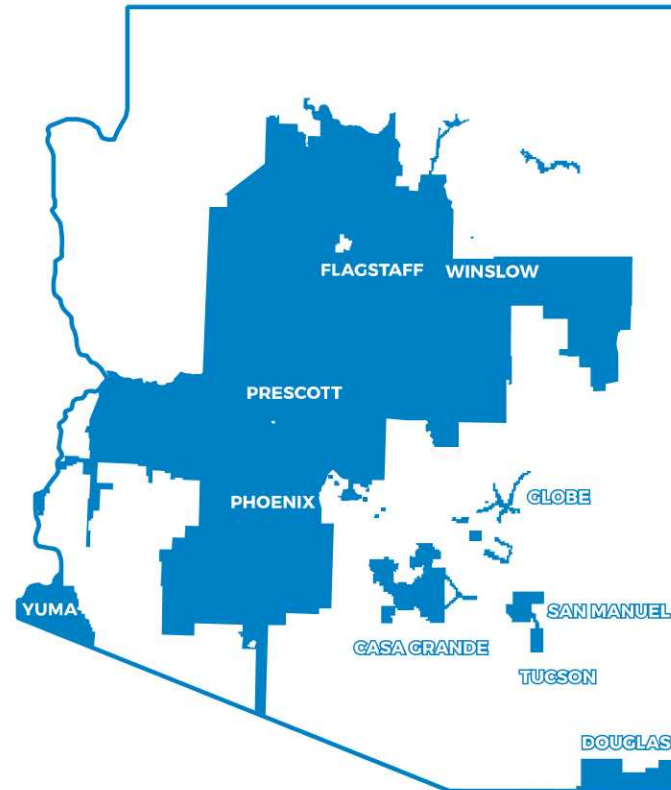
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## Investor owned

Subject to forms of public control and regulation

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~6,200 employees



# CLEAN ENERGY COMMITMENT



100% clean, carbon-free electricity to customers by 2050



2030 target; 65% clean energy using 45% renewables



2031 retire coal-fired generation

# NOW-2030 CLEAN ENERGY COMMITMENT

How we get there: clean, reliable, affordable and customer centric



Increase renewable energy



Support transition with natural gas



Decrease coal



Continued economic growth of Arizona



Increase energy storage



Energy Efficiency and Demand Response



# Project Update

## Orchard Substation:

S Ave 5 ½ E and East County 14th  
Scheduled in service 12/2021

## Pacific Substation:

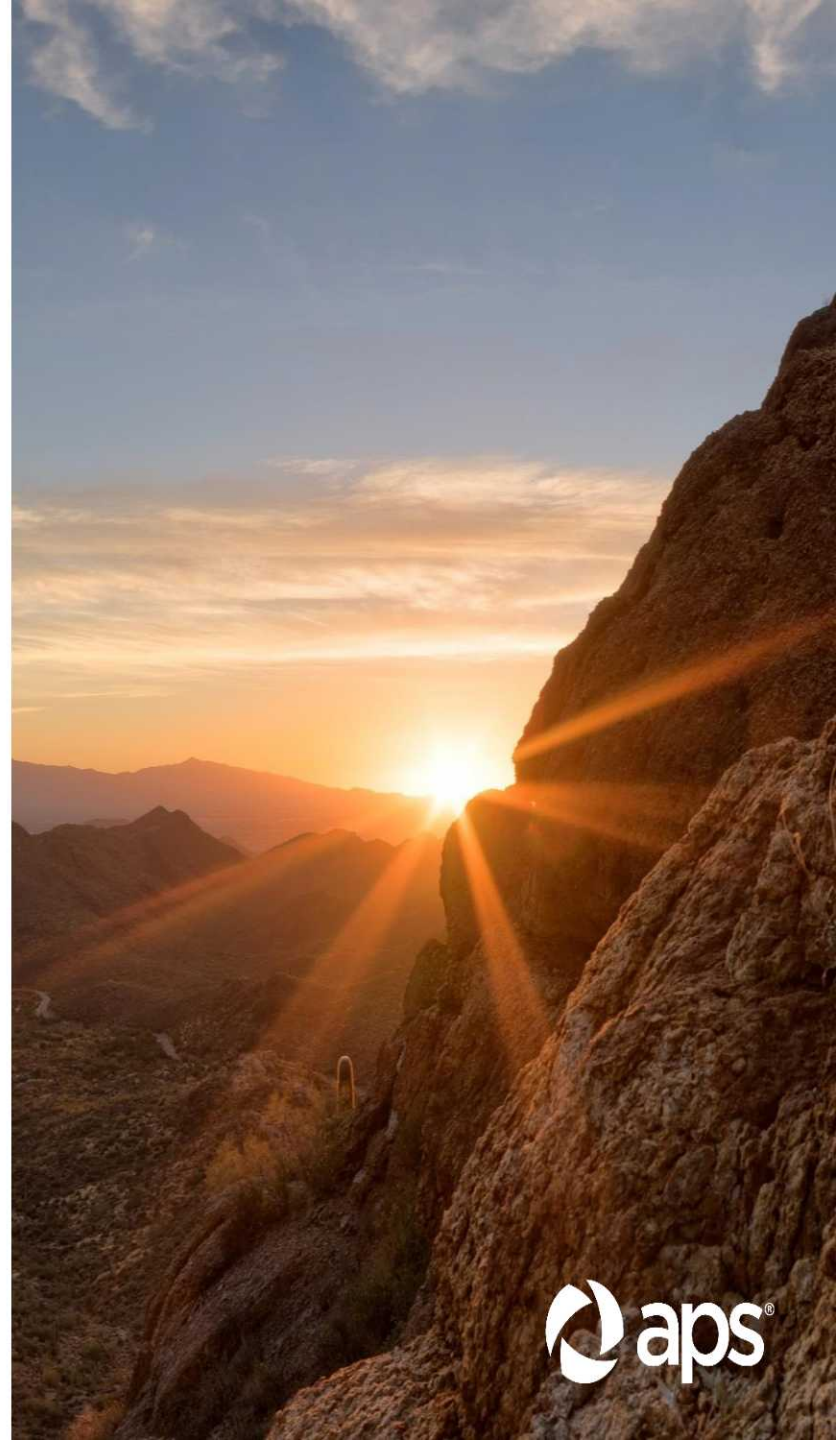
Replacing temporary substation  
Scheduled in service 12/2022

## Battery Storage:

Foothills

Hyder I & II

Scheduled in service 4/2022



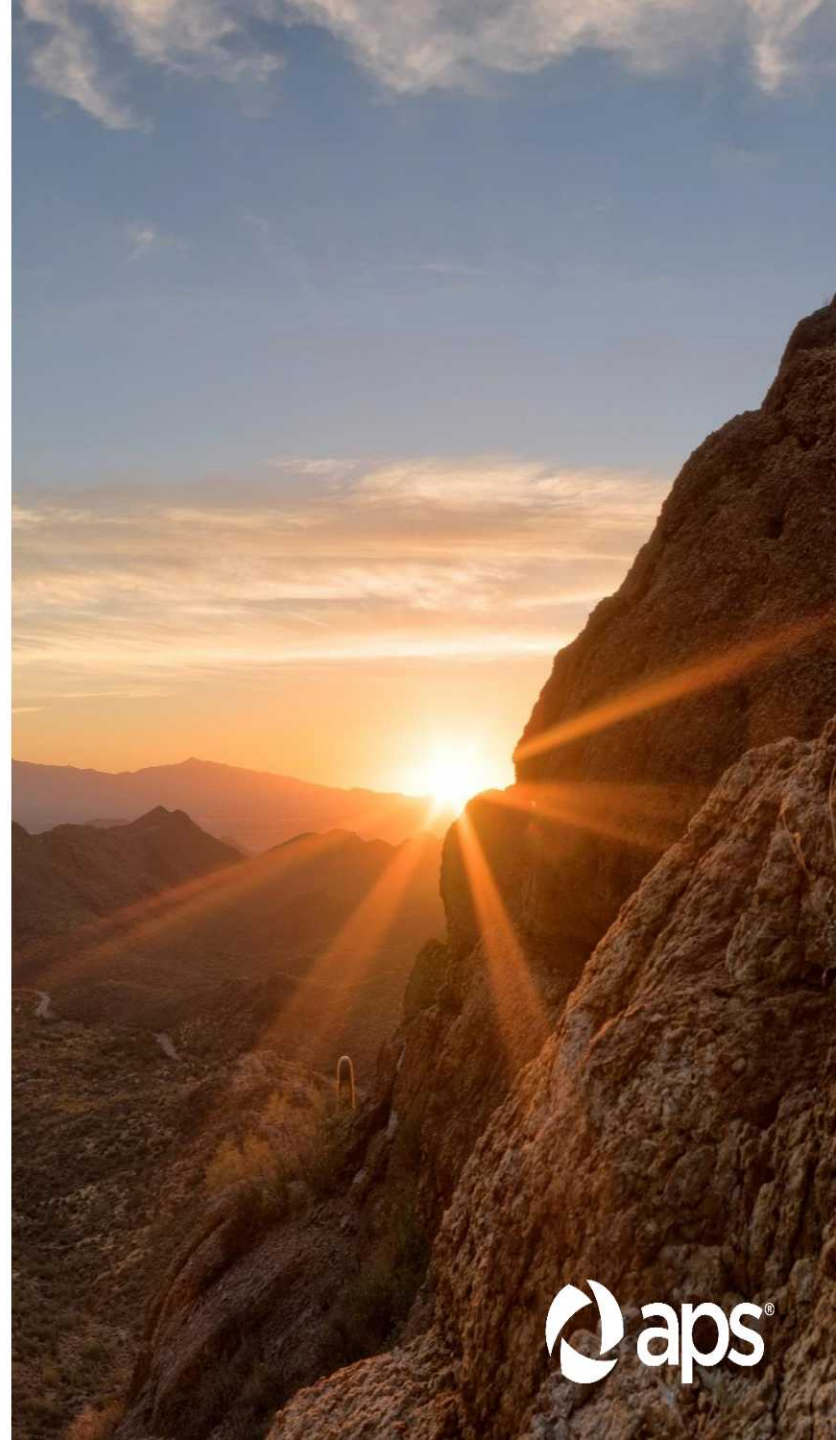
# Summer Preparedness

- **Generation resources and transmission capacity in place** to meet customer load and reserve requirements
- **Infrastructure improvements on schedule** to meet summer 2021 power needs
- **Maintenance efforts on track** for May 2021 completion
- **Coordination with external emergency management agencies**
- **Internal emergency preparedness plans & training**
- **Customer focused:** updates to [aps.com](https://aps.com) outage map, 24/7 Customer Care Center, increased efforts to shorten planned outages, etc.

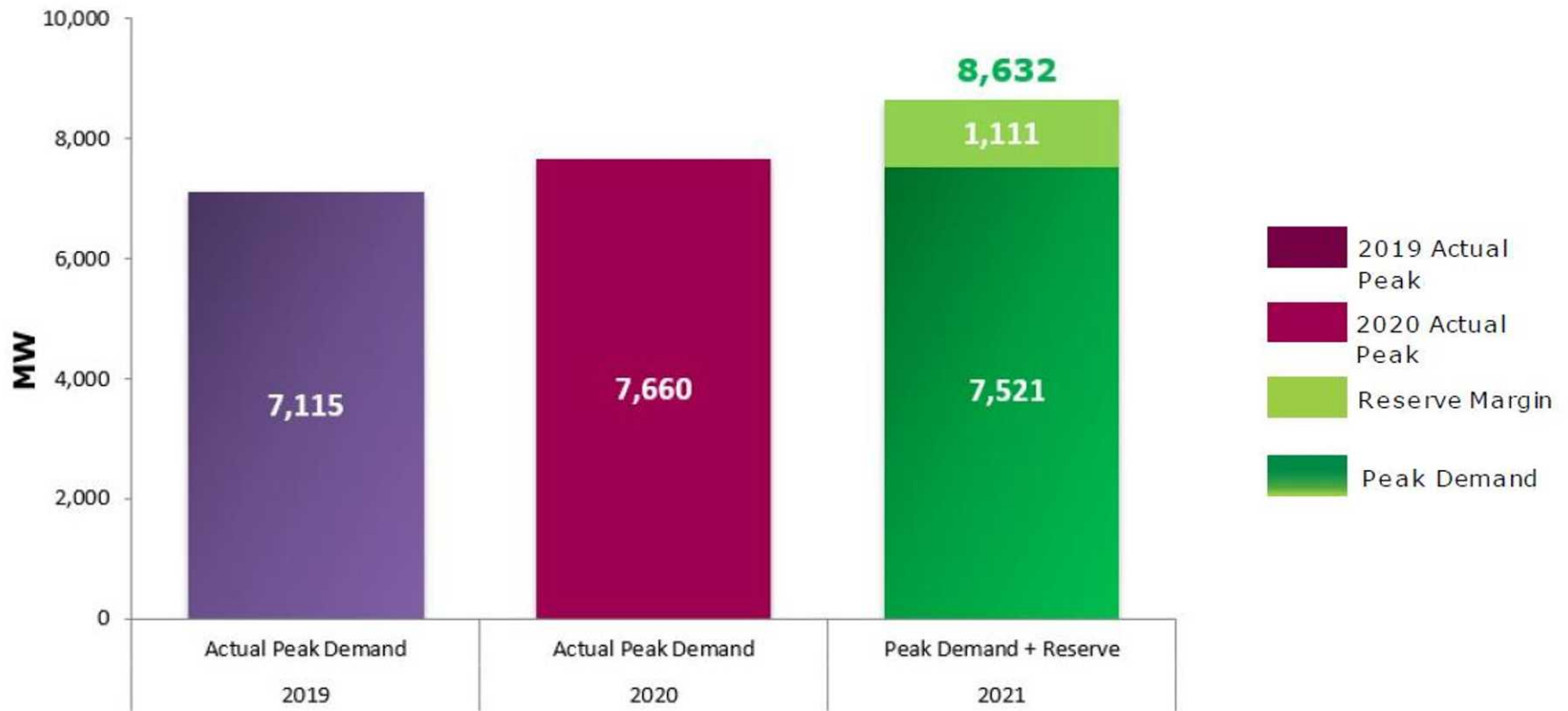


# 2020 Recap

- Arizona experienced the hottest summer on record
  - 53 days above 110 degrees
  - 14 days above 115 degrees
- APS set an all-time peak of 7861 MW on July 30, 2020 at 5:34 pm (the high temperature was 118F)
- Customer response and partnerships are essential
- Focus on resource planning, sufficient reserve margins, fire mitigation, and overall preparedness were key to maintaining reliability



# 2021 Peak Resources and Demand



# APS has adequate fuel supply for all its generating facilities



## **Palo Verde**

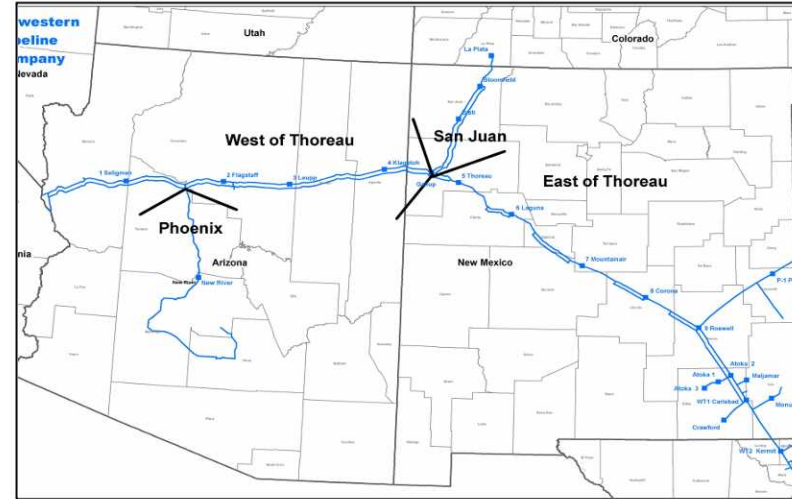
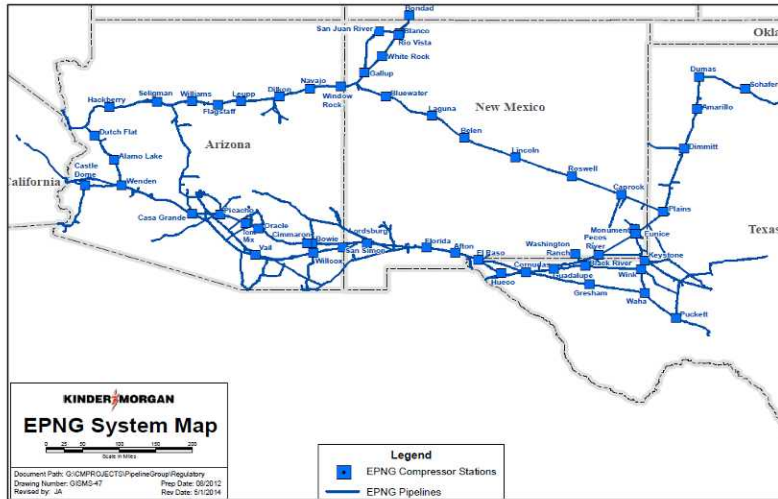
- Nation's largest source of clean-air energy
- Supplies 70% of Arizona's clean-air energy
- 100% of fuel requirements contracted through 2026
- Overall station capacity factor 91.24% in 2020

## **Conventional Generation**

- Fuel contracts in place for other APS generating facilities



# Natural Gas Supply & Transport



- Primary firm gas transportation contracts on three interstate gas pipelines: El Paso, Transwestern, North Baja (not pictured)
- Access to San Juan and Permian gas supply basins
- Firm gas transportation contracts to meet seasonal and annual peak needs



# Fire Mitigation Preparedness



## Comprehensive Plan

- ✓ Supports public safety, first responders, and land management

## Fire Mitigation

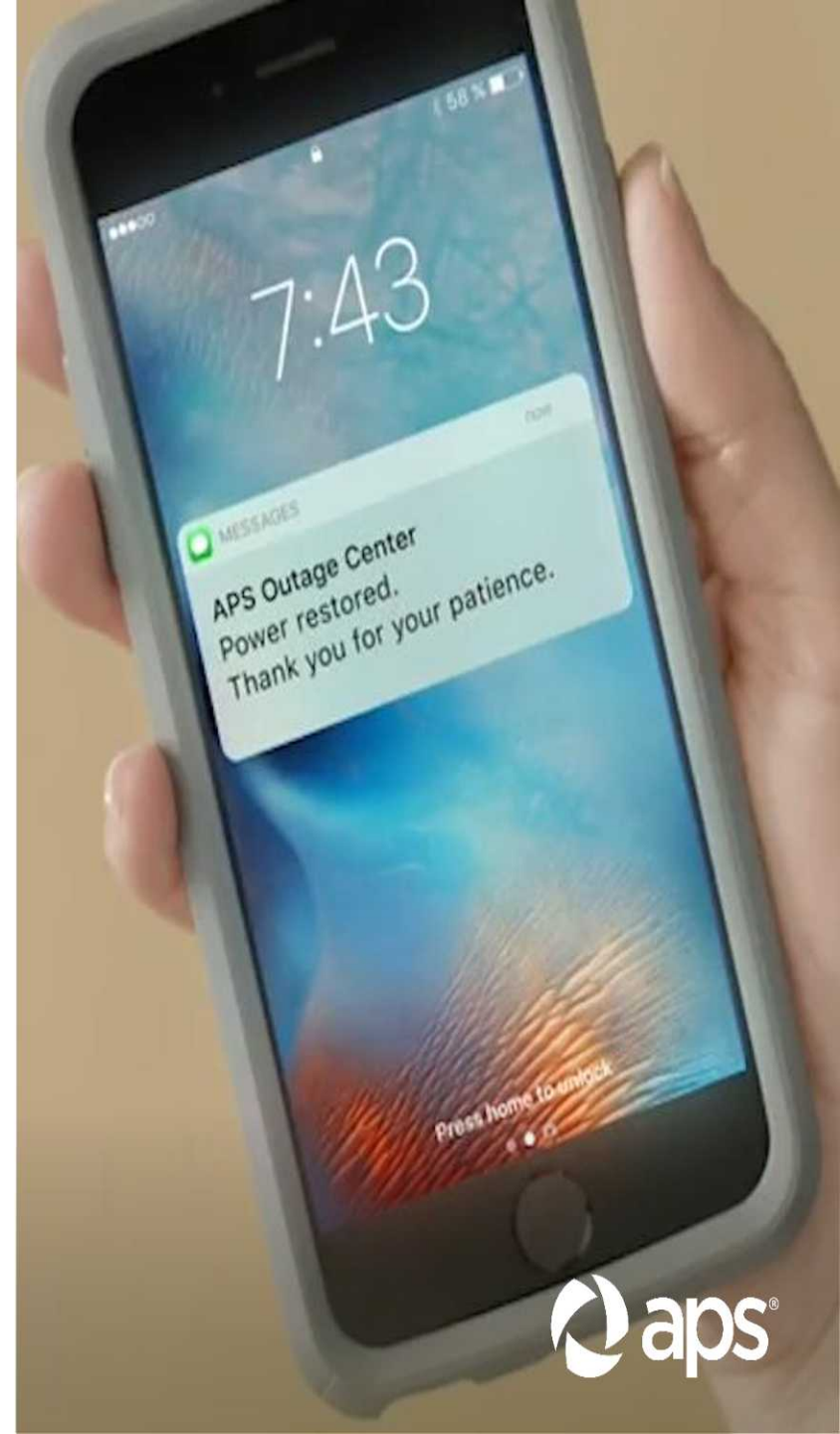
- ✓ Patrol of more than 4000 miles of overhead power lines
- ✓ Defensible Space Around Poles (DSAP)
- ✓ Engineering focus on preventing emergency events

Outreach to nearly 237,000 customers & stakeholders via postcard/mailers



# Emergency Management

- ✓ Mutual assistance and coordination with neighboring utilities (SRP & TEP)
- ✓ Fire and emergency management coordination with various federal, state and local agencies
- ✓ Electric Load Curtailment Plan
- ✓ Emergency Response and Disaster Recovery Plans





# Customer Centric Outage Planning & Response

- ✓ Improved Outage Map and [aps.com](https://www.aps.com) resources
- ✓ Text alerts and increased communications
- ✓ Ice reimbursement for extended outages
- ✓ 24/7 Customer Care Center
- ✓ Continued response to COVID-19



# The APS Promise

We do what is right for the people and prosperity of our state.

We will create a sustainable energy future for Arizona.

We will serve clean, reliable and affordable electricity to our customers and communities

We value our strong partnership with the many Arizona cities & towns served by APS

We will keep stakeholders informed regarding our progress



# Thank you for your time!

**Regina Twomey:** 928.246.3861

Outage questions  
Grants/Community Partnerships  
General Information

**Charlie Molina:** 928.323.4385

Construction/building questions  
Lineman issues

**Danny Ortega:** 520.368.8811

Higher level projects  
Planning/scheduling questions

