

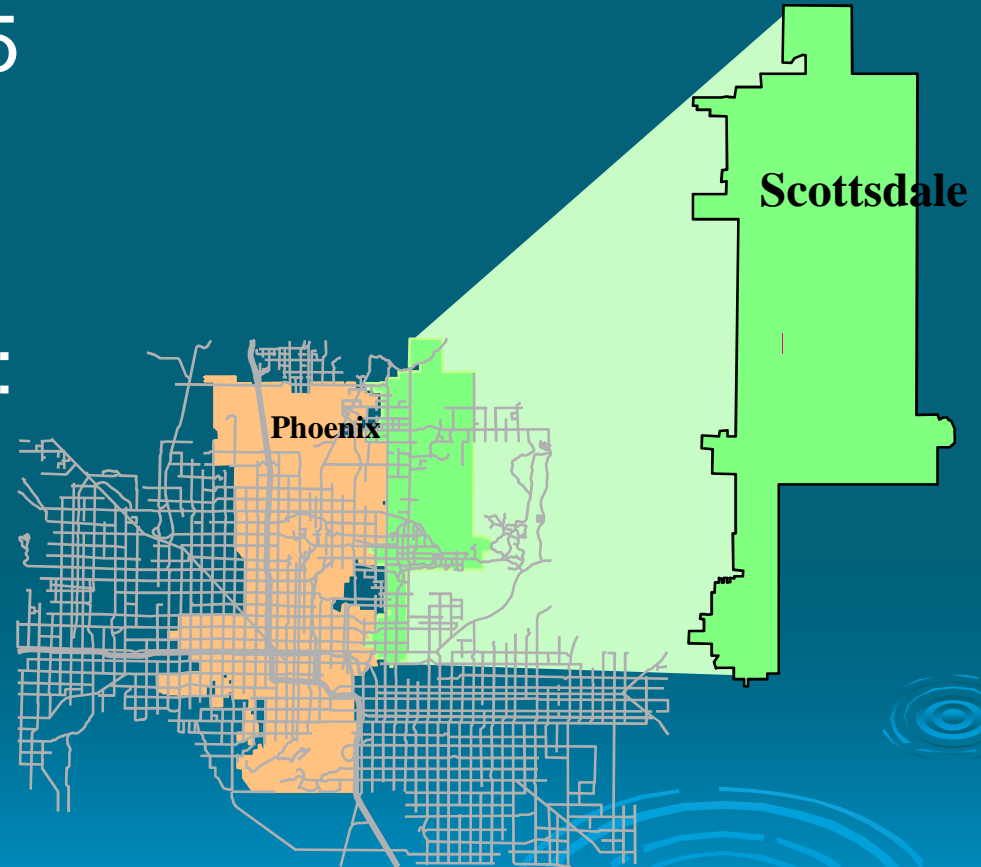


***Post-2017 Hoover Power Allocation  
Arizona Power Authority  
Presentation***

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Water Systems Advisor***

# City of Scottsdale

- Population: 217,385 residents
  - 6<sup>th</sup> largest city in Arizona
- Daytime population: over 286,000
- Size: 185 square miles
- Elevation: 1277 – 4789 feet above sea level



# Scottsdale Water Resources Division

## Water Facilities

- CAP WTP (at the Water Campus) (70 mgd)
- Chaparral WTP (30 mgd)
- Groundwater wells (23 Active)
  - Arsenic treatment clusters (3 ATF's)
  - Central Groundwater Treatment Facility (CGTF) (9 mgd)
- >2000 miles of pipeline, 44 reservoirs, 86 boosters pump stations



# Scottsdale Water Resources Division

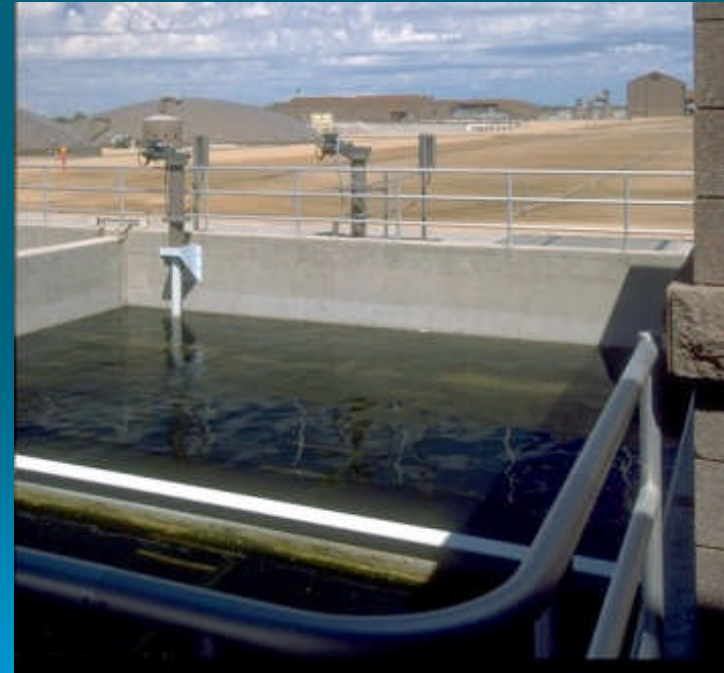
## Wastewater Facilities

- Water Campus WRP (20 mgd)
- Advanced Water Treatment (20 mgd)
- Gainey Ranch WRP (2 mgd)
- City of Phoenix 91st Avenue Plant (20.25mgd)
- 1400 miles of sewer line
- 48 pump stations



# Scottsdale Water Resources Division

- Over 88,500 Customers
- Annual Deliveries
  - ~71% Residential
  - ~18% Commercial/Industrial
  - ~11% Irrigation



# Scottsdale Water Resources Division

- Annual power use
  - >143,600 Mwh
  - ~16.4Mw
- New Entrant - no existing power allocation
- Seeking Hoover D allocation
- Transmission





# APA Questions

What resources would you seek?

- Hoover D allocation and corresponding transmission

What do you plan to do with the Hoover power allocated to your system?

- To effectuate water and wastewater system operational efficiencies and improved service delivery to our customers.

How much Hoover power would you require?

- 16.4Mw

How do you think the Hoover power should be allocated?

- In an equitable manner so as to render the greatest public service based upon demonstration of existing need.