

# Maricopa Water District

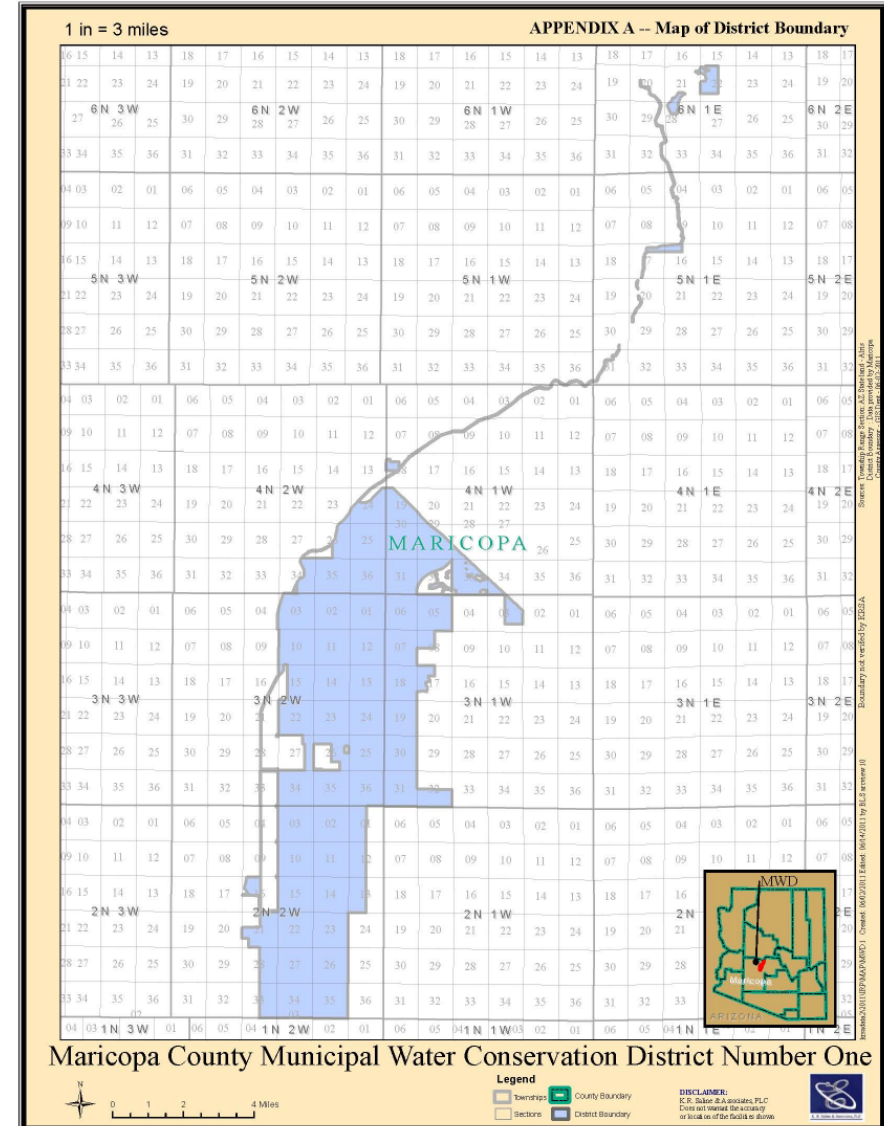
Arizona Power Authority Presentation  
on 2017 Allocation of Hoover Power

James R. Sweeney – MWD



# Introduction to MWD

- Formed in 1925
  - ~40,000 Acres
- Board of Directors
  - Leyton Woolf—President
  - Michael Moore—Vice-President
  - Henry Conklin—Secretary/Treas.
  - Samuel C. Colgan
  - Stan Ashby
- Customer Profile Information
  - 242 Customers
    - Irrigation Accounts - 51%
      - District Pumps - 22%
      - Resale Irrigation - 29%
    - Other District Facilities - 14%
    - General Service - 32%
    - Other - 3%
- 2012 Peak Demand = 17MW.



# Introduction to MWD (Cont.)

## • Supply Side Resources

### ❖ Arizona Power Authority

- Hoover A Capacity & Energy
- 8,500 MW (Maximum with Hoover Firming Capacity),
- 29,053 MWh (Contract Entitlement)

### ❖ Salt Lake City Area/ Integrated Project Capacity

- 5.346 MW (Summer Season)
- 9.728 MWh (Summer Season)

### ❖ Transmission & Distribution Services Agreement (APS)

- FERC Regulated Transmission Open Access Transmission Tariff
  - Transmission and Distribution Wheeling from Buckeye Substation to district meters



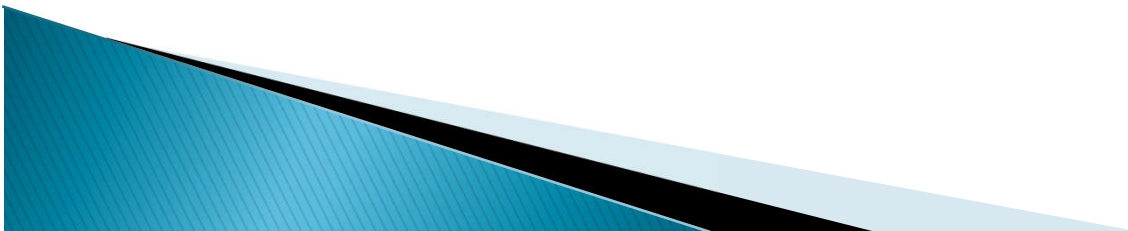
# Introduction to MWD (Cont.)

## ▶ Surface Water Deliveries

- The Agua Fria watershed, which serves MWD, is rainfall dependant with minimal snowpack influence. Consequently, the annual inflow to Lake Pleasant is extremely sporadic and almost totally dependant on precipitation. During years of low Agua Fria surface water supply, MWD must maximize its historical groundwater pumping of at least 40,000 AF/yr.

## ▶ “Normalization of Loads”

- MWD receives 4,000 AF of CAP ag-pool water which will gradually be withdrawn. *This would equal 1.5 MW of additional normalized load .*
- Additionally, MWD has received an annual average of 13,177 AF of in-lieu recharge water over the past 5 years which will not be available in the future as the water is utilized directly by CAP sub-contractors. *This will add an additional 5 MW of normalized load.*



# APA Questions

- What resources would you seek?
  - ❖ Renewal of current proportion of all APA Hoover A for 50 years.
- What do you plan to do with the Hoover power allocated to your system?
  - ❖ Continue the effort to maintain the District's economic viability in order to maintain agricultural viability within MWD.
- How much Hoover power would you require?
  - ❖ Could use 23.5 MW (total normalized load); but will accept current proportionate share of A Power if other current customers are treated accordingly.
- How do you think the Hoover power should be allocated?
  - ❖ Renew all existing customer contracts at current proportions of all Hoover A and B. Allocate all Hoover D among new entrants.

