Arizona Association of Women in Water and Agriculture (AAWWA)

Leslie James, CREDA May 24, 2022 – PERA Club, Tempe



HISTORY

1902 and 1939 Reclamation Acts

1956 Colorado River Storage Project (CRSP) Act

1977 DOE Organization Act (WAPA)

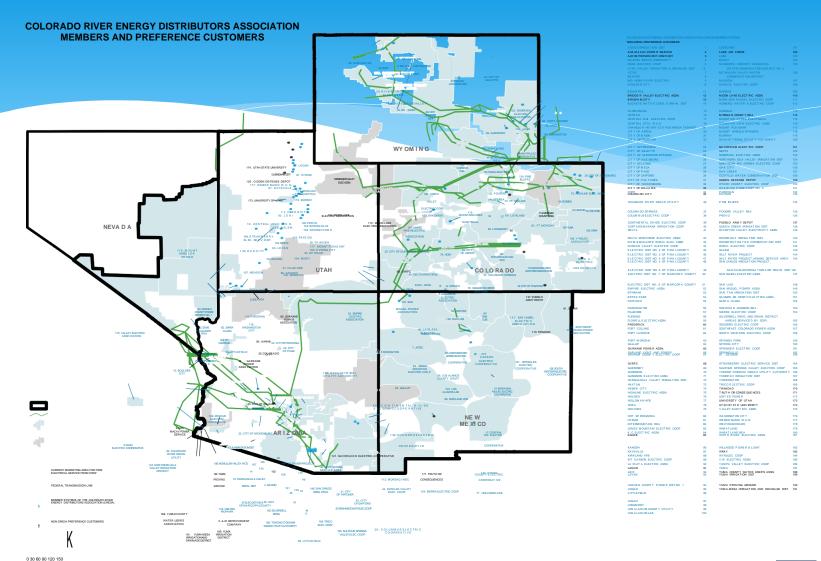
1978 **CREDA**

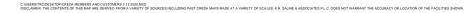


CREDA's Mission

"To preserve and enhance the availability, affordability, and value of Colorado River Storage Project (CRSP) facilities while promoting responsible stewardship of the Colorado River System."

CREDA Members







Who are CRSP Customers in Arizona?

- Arizona Electric Power Coop
- ED 2, 3, 4, 5 Maricopa, 6, 7
- Ak-Chin Indian Community
- Chandler Heights ID
- Cocopah Indian Tribe
- Colorado River Agency (BIA)
- Colorado River Indian Tribes
- Fort Mojave Indian Tribe
- Fort McDowell Yavapai Nation
- Gila River Indian Community
- Havasupai Tribe
- Hualapai Tribe
- Luke Air Force Base
- Maricopa Co. Mun. Water Cons. District
- Navajo Tribal Utility Authority
- Ocotillo Irrigation District

Who are CRSP Customers in Arizona?

- Pascua Yaqui Tribe
- Quechan Indian Tribe
- Queen Creek Irrigation District
- Roosevelt Irrigation District
- Roosevelt Water Conservation District
- Safford
- Salt River Pima-Maricopa Indian Community
- Salt River Project
- San Carlos Apache Tribe
- San Carlos IP (BIA)
- San Tan Irrigation District
- Thatcher
- Tohono O-Odham Utility Authority
- Tonto Apache Tribe
- Wellton-Mohawk Irrigation District
- Yavapai Apache Nation
- Yavapai Prescott Indian Tribe

Drought Update - Then



1984 – Glen Canyon Dam

Current Conditions- Then and Now



GCD 2011

GCD and Blue

Mesa 2021





Photos courtesy of Reclamation and Carol Ballantine

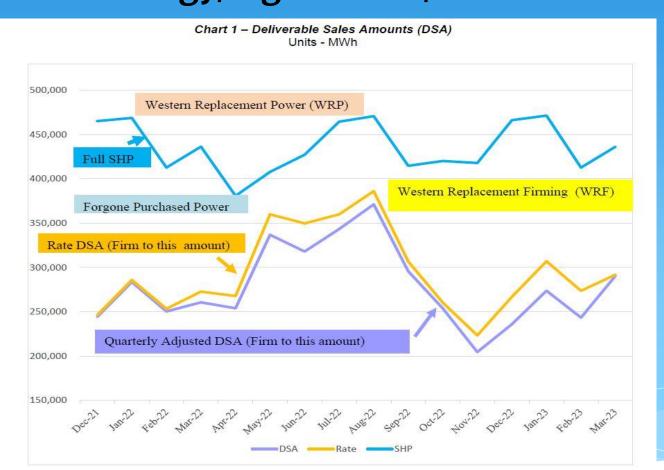
Current Conditions



2022 – Wahweap Marina

Impacts

WAPA-199 Rate Case--Less Energy/Higher Price/More Risk



Other Drought-Related Impacts

- * Glen Canyon Dam provides black start capability to Palo Verde Nuclear Generating Station in an emergency
- * Intermittent resources are expanding (but they are STILL intermittent!) and often need hydropower as backup
- * Many CRSP customers are in some of the poorest communities in the Country.
- * If carbon-free hydropower isn't available, a likely replacement is fossil-fuel
- Glen Canyon Dam capacity can and has been called on to stabilize the grid during emergencies (CAISO August and September 2020)
- Summer 2022 experiments at CRSP facilities (water use/power bypass; low flows for bugs)

Ideas Begun in 2021 as Solutions and What Can Congress Do NOW?

- * WAPA: Internal meetings discussing PPW, rates and contract challenges due to adverse conditions; use of Infrastructure \$500M ??
- * CRSP Customers: 11%+ Rate Increase 12/1/2021
- * WAPA and Reclamation: deferring O&M where prudent; structural improvements at Glen Canyon Dam??

CREDA to Congress:

- *During extreme drought conditions, please provide federal nonreimbursable appropriations to the Upper Colorado River Basin Fund to assist in funding CRSP OM&R activities (annual obligations).
- *Please provide funding to investigate supplemental resources to backstop CRSP and the Grid
- * **SUPPORT S. 4232**

THANK CONGRESS FOR PROVIDING \$21.4M TO RECLAMATION FOR ENVIRONMENTAL PROGRAMS!!

Solutions?

* EDUCATION

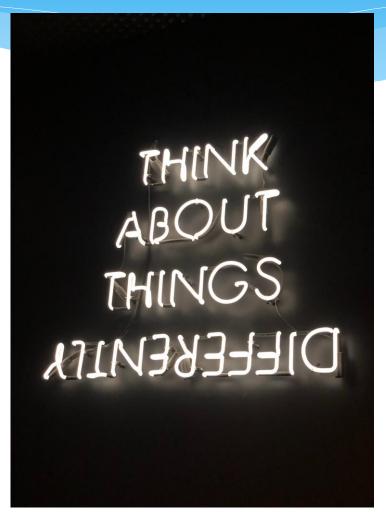
- * Members, Congress
- * APPA Resolution

* COLLABORATION

- * Members, Agencies,
- * States MOA

* MITIGATION

- * Rates, Contracts, Facilities/Ops, Federal Role, Markets (?)
- * Supplemental Resources(?)
- * Litigation





Thank you!