Developing a Sustainable Water Supply for the Valley and Arizona

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ADWR Long Term Augmentation Committee
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Principles for Project Success

**Shared Objectives**
- Defined Problem or Need
- Economic Sense/Fair Deal
- User Pays
- Level of Commitment
- Urgency

**Relationships/Preparedness**
- Trust
- Partnerships
- Collaboration
- Planning
Reclamation and Water Supply Development Period
SRP Surface Water Sources

KEY MAP

- Verde River Watershed (SRVWUA)
- Salt River Watershed (SRPWUA)

Map showing locations:
- Williams
- Flagstaff
- Sedona
- Prescott
- Camp Verde
- Payson
- Show Low
- Alpine
- Phoenix
- Globe

Regions:
- Verde River Watershed (SRVWUA)
- East Clear Creek Watershed
- Salt River Watershed (SRPWUA)
Creating Dependability from Variability
SRP Reservoir Systems

**Verde River Dams**
- Horseshoe Dam (1951)
- Bartlett Dam (1939, 1997)
- Stewart Mt Dam (1930, 1992)
- C.C. Cragin Dam (1965)

**East Clear Creek Dam**
- Roosevelt Dam (1911, 1996)
- Horse Mesa Dam (1927)

**Salt River Dams**
- Mormon Flat Dam (1925)
Regulatory Development Period
~270 Active Wells
Age Range 1919-2014
Typical Water Well

1000 Feet
Granite Reef Underground Storage

Recharge Basins

PHOTO DATE: APRIL 2006
SRP Lands Are More than 90% Urban
Major transition from agricultural to urban land use from 1957 - 2016
Resource Sustainability Period
Watershed Health and Function
Water Resource Impacts
Water Management through Measurement
Water Augmentation Partnership

- **Gila River Water Storage, LLC (GRWS)**
  - 30,000 acre-feet per year of CAP under 100 year leases
  - Commitment to store 2,000,000 acre-feet between now and 2029 to create long-term storage credits (LTSC)
  - Total of 5,000,000 acre-feet of CAP water equal to 50,000 acre-feet/year for 100 years
  - Enough to support a population of around 450,000
Resource Management Partnership

- **Goodyear-SRP Water Transportation**
  - Goodyear currently unable to take direct delivery of their CAP water into their service area
  - Goodyear to transport their CAP water through SRP system
  - Delivered to future water treatment plant in Goodyear
  - Goodyear will build infrastructure connecting Goodyear system to SRP system and any necessary improvements to SRP system
  - Phase 1 (2020) = 8 MGD, Phase 2 = 16 MGD
Questions?