

# SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT MEETING NOTICE AND AGENDA

## WATER COMMITTEE

Thursday, January 16, 2025, 9:30 AM

SRP Administration Building  
1500 N. Mill Avenue, Tempe, AZ 85288

Committee Members: Robert Arnett, Chair; Stephen Williams, Vice Chair; and Nicholas Brown, Mario Herrera, Kevin Johnson, Sandra Kennedy, and Krista O'Brien

Call to Order

Roll Call

1. **CONSENT AGENDA:** The following agenda item(s) will be considered as a group by the Committee and will be enacted with one motion. There will be no separate discussion of these item(s) unless a Committee Member requests, in which event the agenda item(s) will be removed from the Consent Agenda and considered as a separate item ..... CHAIR ROBERT ARNETT
  - Request for approval of the minutes for the meeting of December 12, 2024.
2. Horseshoe Dam River Outlet Works .....IVAN INSUA and CHARLIE ESTER  
  
Informational presentation regarding an update on progress towards maintenance, repair, and rehabilitation of the river outlet works at Horseshoe Dam.
3. SRP-Central Arizona Project (CAP) Interconnection Facility (SCIF) Update .....KYLE TILGHMAN  
  
Informational presentation regarding an update on the SCIF, including the potential uses of the SCIF and the status of SRP's application for itself and the SCIF participants to participate in the Bureau of Reclamation's Lower Colorado River Basin System Conservation and Efficiency Program.
4. Report on Current Events by the General Manager and Chief Executive Officer and Designees .....JIM PRATT
5. Future Agenda Topics ..... CHAIR ROBERT ARNETT

The Committee may vote during the meeting to go into Executive Session, pursuant to A.R.S. §38-431.03 (A)(3), for the purpose of discussion or consultation for legal advice with legal counsel to the Committee on any of the matters listed on the agenda.

The Committee may go into Closed Session, pursuant to A.R.S. §30-805(B), for records and proceedings relating to competitive activity, including trade secrets or privileged or confidential commercial or financial information.

Visitors: The public has the option to attend in-person or observe via Zoom and may receive teleconference information by contacting the Corporate Secretary's Office at (602) 236-4398. If attending in-person, all property in your possession, including purses, briefcases, packages, or containers, will be subject to inspection.



THE NEXT WATER COMMITTEE MEETING  
IS SCHEDULED FOR THURSDAY, FEBRUARY 13, 2025

01/09/2025



MINUTES  
WATER COMMITTEE  
SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND  
POWER DISTRICT

DRAFT

December 12, 2024

A meeting of the Water Committee of the Salt River Project Agricultural Improvement and Power District (the District) convened at 9:30 a.m. on Thursday, December 12, 2024, from the Hoopes Board Conference Room at the SRP Administration Building, 1500 North Mill Avenue, Tempe, Arizona. This meeting was conducted in-person and via teleconference in compliance with open meeting law guidelines. The District and Salt River Valley Water Users' Association (the Association) are collectively known as SRP.

Committee Members present at roll call were R.C. Arnett, Chair; S.H. Williams, Vice Chair; N.R. Brown, M.J. Herrera, and K.H. O'Brien; and L.D. Rovey of the Association.

Committee Members absent at roll call were K.J. Johnson and S.D. Kennedy.

Also present were President D. Rousseau; Vice President C.J. Dobson; Board Members M.V. Pace, P.E. Rovey, and J.M. White Jr.; Council Chair J.R. Shelton; Council Liaison M.L. Farmer; Council Members E.L. Gorseger, B.E. Pacey, and M.G. Rakow; I.R. Avalos, A.N. Bond-Simpson, M.J. Burger, A.P. Chabrier, J.D. Coggins, A.C. Davis, M. Feder, J.M. Felty, R.T. Judd, V.P. Kisicki, K.J. Lee, P.A. Likens, S.B. Lutz, C.M. McJunkin, M.S. Mendonca, L.A. Meyers, G.A. Mingura, M.J. O'Connor, S.A. Perkinson, C.M. Sifuentes, P.B. Sigl, K.J. Tilghman, and E.E. Trapp of SRP; Grayson Kilstrom of Arizona State University (ASU) Law School; and Simone Williams of Arizona Municipal Water Users Association (AMWUA).

In compliance with A.R.S. §38-431.02, Andrew Davis of the Corporate Secretary's Office had posted a notice and agenda of the Water Committee meeting at the SRP Administration Building, 1500 North Mill Avenue, Tempe, Arizona, at 9:00 a.m. on Tuesday, December 10, 2024.

Chair R.C. Arnett called the meeting to order.

Consent Agenda

Chair R.C. Arnett requested a motion for Committee approval of the Consent Agenda, in its entirety.

On a motion duly made by Board Member M.J. Herrera and seconded by Vice Chair S.H. Williams, the Committee unanimously approved and adopted the following item on the Consent Agenda:

- Minutes of the Water Committee meeting on November 19, 2024, as presented.

Corporate Secretary J.M. Felty polled the Committee Members on Board Member M.J. Herrera's motion to approve the Consent Agenda, in its entirety. The vote was recorded as follows:

YES:	Board Members R.C. Arnett, Chair; S.H. Williams, Vice Chair; and N.R. Brown, M.J. Herrera, and K.H. O'Brien	(5)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	Board Members and K.J. Johnson and S.D. Kennedy	(2)

The Bureau of Reclamation's (BOR) Lower Colorado River Basin System Conservation and Efficiency Program

Using a PowerPoint presentation, Kyle J. Tilghman, SRP Director of Water Strategy, stated that the purpose of the presentation was to provide an update regarding the status of SRP's application for itself and the SRP-Central Arizona Project (CAP) Interconnection Facility (SCIF) participants to participate in the BOR's Lower Colorado River Basin System Conservation and Efficiency Program.

K.J. Tilghman highlighted the following objectives of the SCIF: 1) uses SRP and CAP reclamation project infrastructure to increase regional water supply redundancy and flexibility; and 2) increases SRP's ability to deliver eligible non-SRP shareholder water, either directly or through exchanges. They updated the Committee on the following matters: 1) the design planning; 2) water quality sampling and modeling; 3) the National Energy Policy Act (NEPA) process preparation; and 4) the federal funding negotiation via the Lower Colorado River Basin System Conservation and Efficiency Program.

K.J. Tilghman summarized the concept of the Phase 2 federal funding as follows: 1) the Efficiency Program will be developed and managed by the BOR to fund system conservation activities in the Lower Colorado River Basin; 2) the program will be funded, in part, by the Inflation Reduction Act of 2022 and the Bipartisan Infrastructure Law of 2021; and 3) the program will focus on long-term efficiency improvements that result in water savings in the Colorado River System. They said that on August 17, 2023, SRP submitted a funding application to the BOR; and in the summer of 2024, the BOR announced that the SCIF project had been approved as a candidate to receive federal funds.

K.J. Tilghman said that the SCIF projected total project costs is approximately \$247 million and provided the following details of the Phase 2 federal funding: 1) the BOR will fund up to \$154 million to be used for construction costs only; 2) the SCIF partners funding is provided in exchange for conserving a quantity of the Colorado River water, and the SCIF partners will likely enter into conservations agreements with the BOR; and 3) SRP and BOR are negotiating and expect to execute a System Conservation

Implementation Agreement (SCIA), which will contain certain federal compliance requirements. They concluded with a discussion regarding next steps.

K.J. Tilghman responded to questions from the Committee.

Copies of the PowerPoint slides used in this presentation are on file in the Corporate Secretary's Office and, by reference, made a part of these minutes.

Board Member S.D. Kennedy; Council Vice Chair T.M. Francis; and Council Member R.S. Kolb entered the meeting during the presentation.

Report on Current Events by the General Manager and Chief Executive Officer or Designees

There was no report on current events by Jim M. Pratt, SRP General Manager and Chief Executive Officer.

Future Agenda Topics

Chair R.C. Arnett asked the Committee if there were any future agenda topics. None were requested.

There being no further business to come before the Water Committee, the meeting adjourned at 9:58 a.m.

John M. Felty  
Corporate Secretary



An aerial photograph of the Horseshoe Dam and River Outlet Works. The dam is a large concrete structure with several spillways, situated on a rocky, brownish terrain. A large reservoir of blue water is visible behind the dam. In the foreground, there is a smaller concrete structure, likely a powerhouse or outlet works, with a small building on top. The surrounding landscape is arid with sparse green vegetation and a clear sky.

# Horseshoe Dam River Outlet Works

Ivan Insua, Director of Hydro Generation

Water Committee

January 16, 2025

# Background

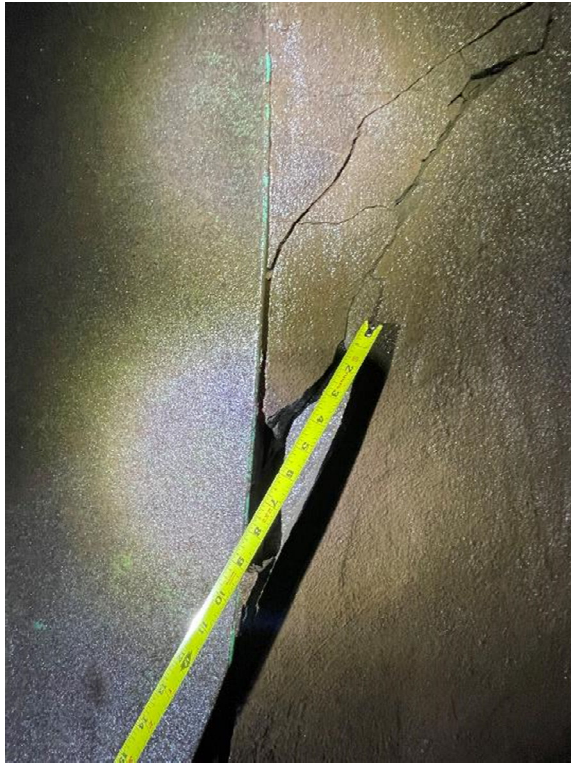
- Original River Outlet Works (ROW) was a concrete lined tunnel, flow controlled by a reservoir-side drum valve
- New ROW commissioned in 2016; drum valve used for shut off, flow controlled by valves at outlet
- Seepage behind ROW building documented and monitored since 2017, correlating with reservoir elevations above ~2,003 ft
- Seepage increased during Spring 2023 Runoff; discussed with Bureau of Reclamation (BOR), developed staffing and inspection plan
- Dewatered ROW and seepage stopped
- First opportunity to inspect the ROW in April 2023, with BOR site visit in July 2023



*HSD releasing ~4,850 cfs on 3/25/2023*

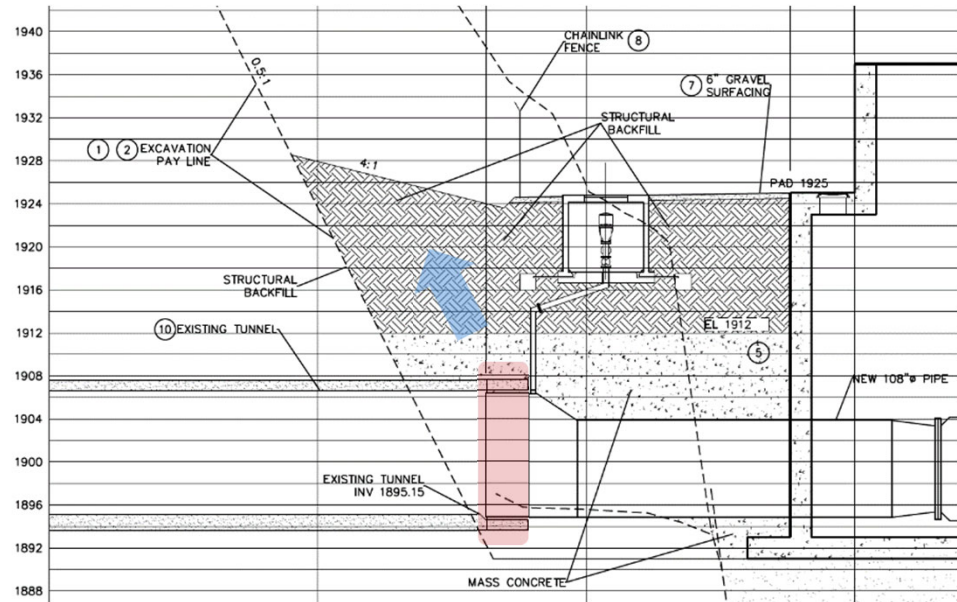


# First discovery



Looking downstream at 3 o'clock position

- Circumferential crack in grouting between original concrete-lined tunnel and steel pipe
- Drum valve leak prevented further inspection upstream until pumps were setup



Drawing A-155-34.34

# Second discovery

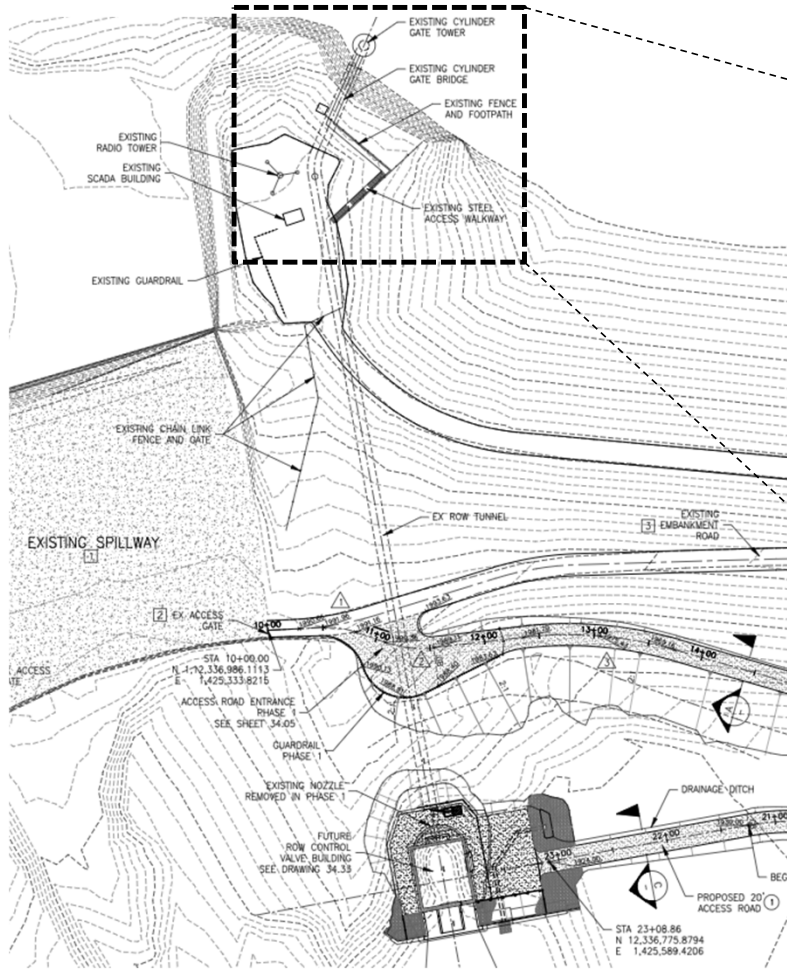
- Loss of some concrete-lining immediately downstream of the drum valve (upstream of the circumferential crack)
- Contributor to the increased seepage



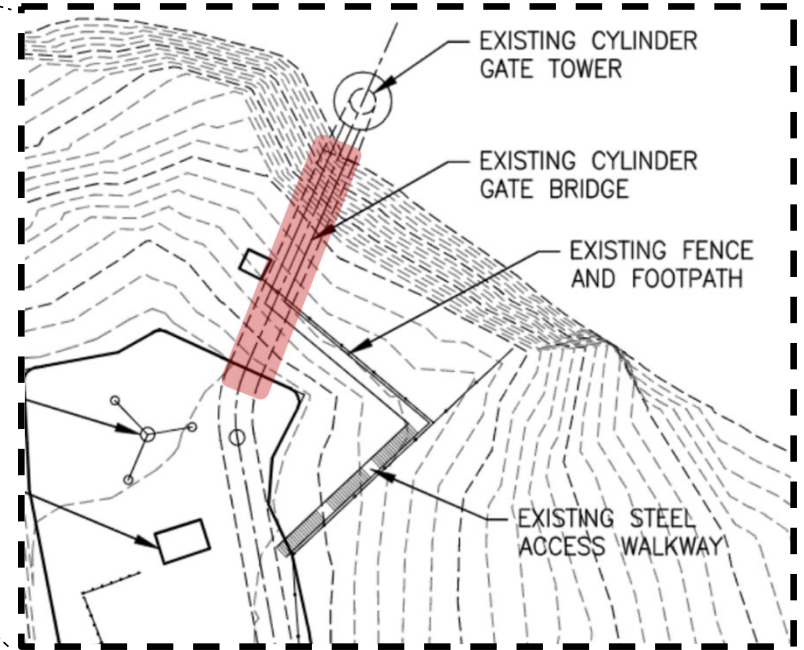
*BOR and SRP  
staff inside ROW  
tunnel on  
7/31/2023*



*Looking upstream,  
past bend, just  
downstream of  
drum valve*



**Approximate location of the larger areas of missing concrete**

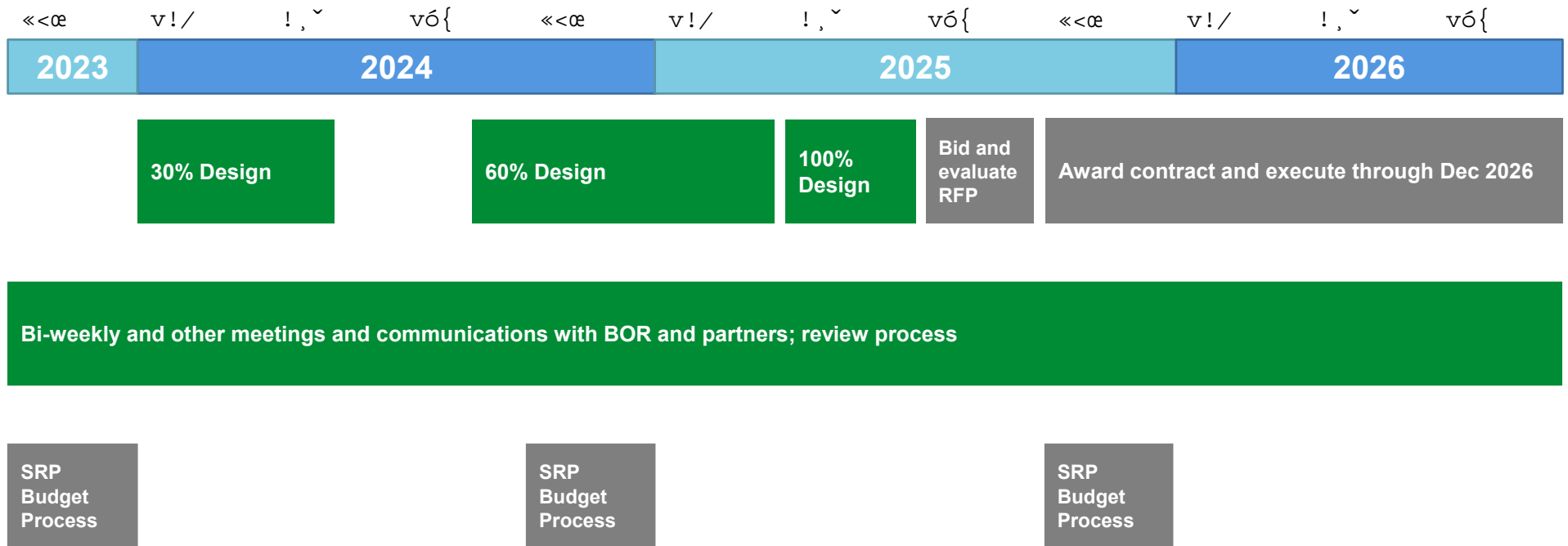


# Current state

- ROW Tunnel has been dewatered since March 2023; flows enabled via service spillway
- Reservoir has been at various elevations
- No seepage
- No changes to drum valve leakage
- No observable changes in concrete or rock
- SRP continues communication with BOR and pursuit of repair options

# Action plan

## With conceptual construction schedule



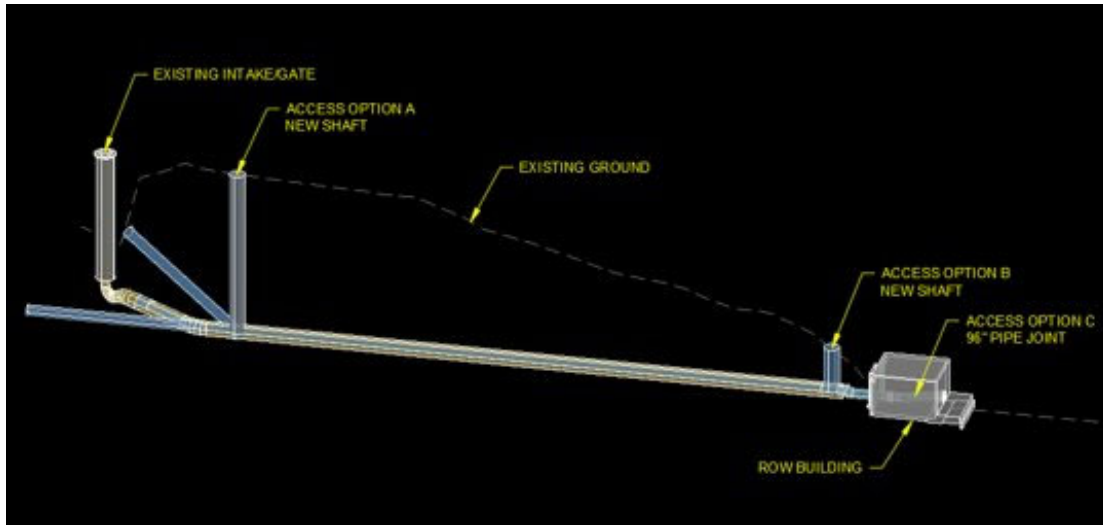
**Throughout: communication and collaboration with BOR and partners**

# Repair objective and approach

- Restore operational function of ROW with downstream valves
- Neither intended to address sedimentation, nor impact ongoing sedimentation processes, as studied in the VRSMP
- Leveraged engineering consultant familiar with dams and the Horseshoe Dam ROW (geology, hydrology, design)
- Explored several options in terms of accessibility and methodology

# Preferred repair option

- New drop shaft at upstream vent
- Install prefabricated pipe sections
- New intake with bulkhead and isolation valve at drop shaft



## Benefits

- Long life tunnel repair
- After pipe installation, drop shaft becomes location of new isolation valve
- Modern equipment with improved performance, reliability, and reparability

## Construction considerations

- Public and worker safety
- Site accessibility
- Laydown areas
- Time of year
- Environmental





# Objectives for 60% Design

- Engineering design details at intake, upstream shutoff valve, transition to ROW
- More accurate cost and schedule estimates
- Better understand design, construction, and other risks
- Facilitate additional BOR discussions
- Enable a construction specification and RFP



*Water releases at Horseshoe Dam during winter runoff, March 2023*

**thank you!**



# SRP – CAP Interconnection Facility (SCIF) Update

Water Committee Meeting

Kyle Tilghman | January 16, 2025

# Agenda

- Federal Funding Agreements
- Water Management Benefits
- Examples of how SCIF can be used

# Federal Funding Agreements - Update

## Financial Assistance Agreement

- Defines federal funding requirements
- Total potential funds awarded up to \$154M

## System Conservation Implementation Agreement (SCIA)

- Defines the provisions and conditions governing the water conservation commitments
- Working with the Bureau of Reclamation (BOR) on total conservation commitments
- Conservation efforts could include System water in Lake Mead, Long Term Storage Credits and other sources agreed to by the parties

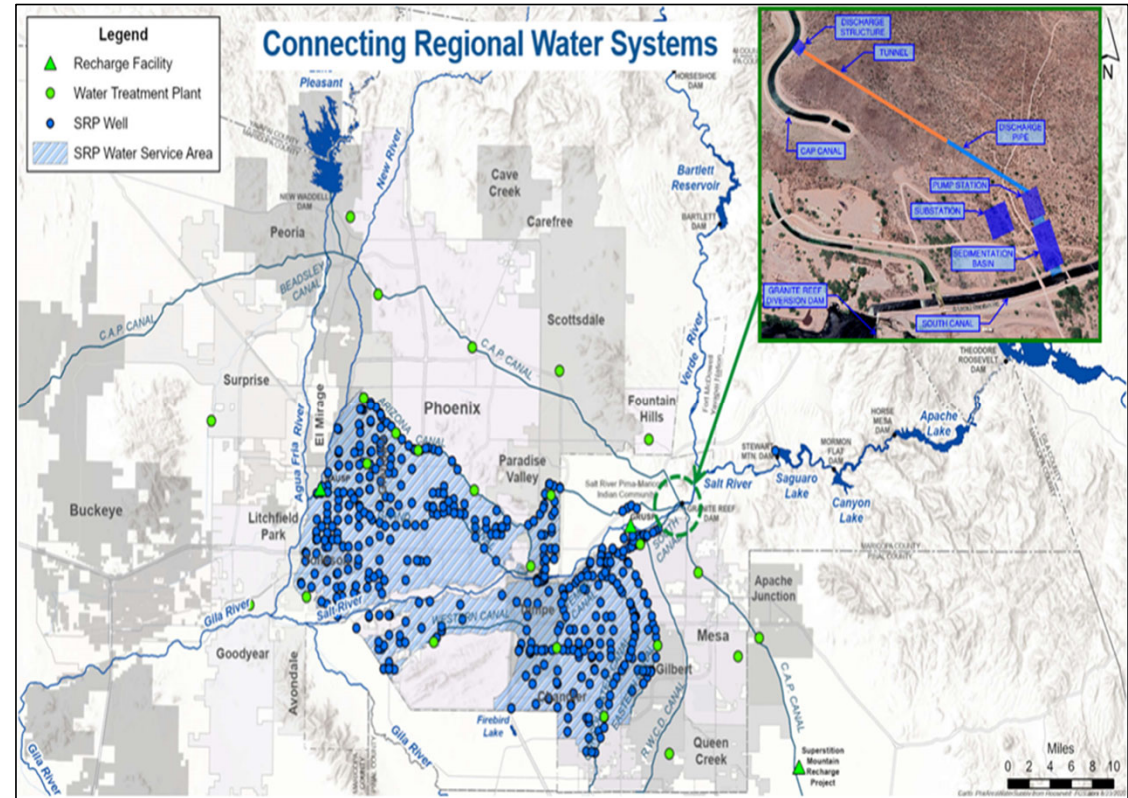
## Financial Assistance Agreement and SCIA Critical Milestones

- **December 2024:** BOR provided draft agreements and SRP provided initial comments
- **January 15, 2025:** Finalize and BOR executed Financial Assistance Agreement
- **March 31, 2025:** Finalize and Execute SCIA

# Water Management Benefits of SCIF

Improves Partners' Ability to use non-SRP Shareholder Water Supplies from the Reclamation Project. Sources include:

- Cities New Conservation Space Water from Modified Roosevelt Dam
- City of Phoenix Gatewater from Horseshoe Dam
- Long Term Storage Credits (LTSCs)
- Cities and others Flood Control Space Water from Modified Roosevelt Dam (Temporary Deviation Water)
- Potential Future Water Supplies from any New Conservation Storage space developed on the Verde River (if feasible, authorized by Congress, and constructed)



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# SRP-CAP INTERCONNECTION FACILITY

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**thank you!**

