

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

WATER COMMITTEE
Tuesday, September 24, 2024, 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 August 20, 2024.

2. Upper Arizona Canal and South Canal Improvements..... BOB PANE

Informational presentation regarding the historic infrastructure improvements to the upper portions of the Arizona Canal and South Canal and future long-term plans to protect this critical infrastructure.

3. SRP's Forest Health Project Partnership Update..... ELVY BARTON

Informational presentation regarding SRP's forest health initiatives, including progress in partnering with entities to reduce the risk of catastrophic fire on the watersheds that impact the SRP shareholder water supply.

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 TUESDAY, OCTOBER 22, 2024**

09/17/2024

MINUTES
WATER COMMITTEE
SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND
POWER DISTRICT

DRAFT

August 20, 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 Tuesday, August 20, 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 S.H. Williams, Vice Chairman; M.J. Herrera, K.J. Johnson, and K.H. O'Brien; and L.D. Rovey of the Association.

Committee Members absent at roll call were R.C. Arnett, Chairman; and N.R. Brown and S.D. Kennedy.

Also present were President D. Rousseau; Vice President C.J. Dobson; Board Members R.J. Miller, K.L. Mohr-Almeida, and P.E. Rovey; Council Chairman J.R. Shelton; Council Vice Chairman T.M. Francis; Council Liaisons M.L. Farmer and M.C. Pedersen; Council Members E.L. Gorseigner, M.G. Rakow, and C. Resch-Geretti; Mmes. L.R. Allen, I.R. Avalos, M.J. Burger, L.F. Hobaica, C.M. Jovanovic, V.P. Kisicki, C.M. McJunkin, G.A. Mingura, C.M. Sifuentes, and E.E. Trapp; and Messrs. H.J. Buenrostro, J.D. Coggins, C.E. Ester, J.M. Felty, J.O. Garcia, B.J. Koch, M.S. Mendonca, M.J. O'Connor, B.F. Pane, J.M. Pratt, L.M. Shaw, P.B. Sigl, T.E. Skarupa, and R.R. Taylor.

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 Friday, August 16, 2024.

Vice Chairman S.H. Williams called the meeting to order.

Consent Agenda

Vice Chairman S.H. Williams 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 Board Member K.J. Johnson, the Committee unanimously approved and adopted the following item on the Consent Agenda:

- Minutes of the Water Committee meeting on June 18, 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 S.H. Williams, Vice Chairman; and M.J. Herrera, K.J. Johnson, and K.H. O'Brien	(4)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	Board Members R.C. Arnett, Chairman; and N.R. Brown and S.D. Kennedy	(3)

Board Member N.R. Brown; and Mr. R.T. Judd entered the meeting.

Executive Session: Water Rights Claims – Yavapai-Apache Nation in Arizona

Vice Chairman S.H. Williams requested a motion to enter into executive session, pursuant to A.R.S. §38-431.03(A)(3) and (A)(4), to discuss or consult with attorneys for legal advice regarding the status of negotiations and other efforts to resolve water rights claims of the Yavapai-Apache Nation in Arizona.

On a motion duly made by Board Member M.J. Herrera, seconded by Board Member K.J. Johnson and carried, the Water Committee convened into executive session at 9:40 a.m.

Corporate Secretary J.M. Felty polled the Committee Members on Board Member M.J. Herrera's motion to enter into executive session. The vote was recorded as follows:

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

The Committee reconvened into open session at 10:04 a.m., with the following members and others present President D. Rousseau; Vice President C.J. Dobson; Board Members N.R. Brown, M.J. Herrera, K.J. Johnson, R.J. Miller, K.L. Mohr-Almeida, K.H. O'Brien, M.V. Pace, P.E. Rovey, and S.H. Williams; Board Member L.D. Rovey of the Association; Council Chairman J.R. Shelton; Council Vice Chairman T.M. Francis; Council Liaisons M.L. Farmer and M.C. Pedersen; Council Members E.L. Gorseigner, M.G. Rakow, and C. Resch-Geretti; Mmes. L.R. Allen, I.R. Avalos, M.J. Burger, L.F. Hobaica, C.M. Jovanovic, V.P. Kisicki, C.M. McJunkin, G.A. Mingura, C.M. Sifuentes, and E.E. Trapp; and Messrs. H.J. Buenrostro, J.D. Coggins, C.E. Ester, J.M. Felty, J.O. Garcia, R.T. Judd, B.J. Koch, M.S. Mendonca,

M.J. O'Connor, B.F. Pane, J.M. Pratt, L.M. Shaw, P.B. Sigl, T.E. Skarupa, and R.R. Taylor.

Yavapai-Apache Nation – Water Rights Settlement Agreement

Using a PowerPoint presentation, Mr. P.B. Sigl stated that the purpose of the presentation was to request approval for SRP to enter into the water rights settlement agreement to resolve water rights claims of the Yavapai-Apache Nation in Arizona.

Mr. P.B. Sigl summarized the following key terms of the Yavapai-Apache Nation Water Rights Settlement Agreement as follows: 1) parties involved in the agreement; 2) Yavapai-Apache Nation water rights – sources and quantities; 3) infrastructure and funding; and 4) waivers and releases. He noted that the legislation authorizes 1,640 acre-feet per year of Cragin water to be used in Yavapai County by non-Indian entities at no cost to SRP, and the United States to include capacity in the pipeline if entities contract with SRP for such water before December 31, 2029.

Mr. P.B. Sigl concluded by requesting approval to authorize the President, Vice President, General Manager and Chief Executive Officer, or Associate General Manager and Chief Water Resources and Services Executive to execute the Yavapai-Apache Nation Water Rights Settlement Agreement, exhibits, and related agreements and any subsequent amendments to such agreements that do not materially modify the terms of the agreements.

Mr. P.B. Sigl responded to questions from the Committee.

On a motion duly made by Board Member M.J. Herrera, seconded by Board Member K.J. Johnson and carried, the Committee agreed to recommend Board approval, as presented.

Corporate Secretary J.M. Felty polled the Committee Members on Board Member M.J. Herrera's motion to recommend Board approval. The vote was recorded as follows:

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

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.

Granite Reef Underground Storage Project (GRUSP) Rebuild Update

Using a PowerPoint presentation, Bob F. Pane, SRP Director of Water Engineering and Transmission, stated that the purpose of the presentation was to provide information regarding the GRUSP, 2023 water delivery channel breach, current status of its rebuild, and alternative long-term engineering solutions. He introduced Charlie E. Ester, SRP Director of Water Supply.

Mr. C.E. Ester provided aerial views of the GRUSP and explained the methodology for recharging groundwater in the facility with the aid of a diagram. He presented a vicinity and site map of the seven basins used to store groundwater. Mr. C.E. Ester discussed the importance of water resource planning, aquifer management, and the impact of the GRUSP. He provided an overview of the 30-year partnership that began in 1994 with respect to the percentage ownership of GRUSP's capacity among SRP and the following municipalities: Chandler, Gilbert, Scottsdale, Tempe, Phoenix, and Mesa. Mr. C.E. Ester introduced Hector J. Buenrostro, SRP Manager of Water Data Analytics.

Mr. H.J. Buenrostro focused on the impacts of river releases on the GRUSP and noted that storms prompt SRP to increase water releases through the valley. He provided images of water releases from the Granite Reef Diversion Dam, Horseshoe Dam, and Bartlett Dam and stated that flows are expected to increase significantly with the Verde and Salt reservoirs filling quickly.

Mr. H.J. Buenrostro provided images relating to the following matters: 1) 2023 delivery channel breach (2022 pre-breach conditions and 2023 breach event); 2) damages caused by approximately 35,000 cubic feet per second release (2023 breach event – culverts-upstream, culverts and fuse plug, and culverts-downstream); and 3) road and delivery channel rebuild (2023 breach event rebuild – road and delivery channel). He discussed the consequences of the GRUSP delivery channel washout as follows: A) the GRUSP is not operational for at least a year, sometimes longer, and duration depends on forecasted inflows and permitting; B) a scheduled recharge cannot take place, causing partners to forgo maximizing supply management; and C) frequent rebuilding becomes costly. Mr. H.J. Buenrostro reviewed the Granite Reef spill events and the GRUSP delivery channel breach events in operation since 1994. He introduced Jorge O. Garcia, SRP Senior Principal Engineer.

Mr. J.O. Garcia presented the following three options available to improve the resilience of the GRUSP: Option 1 – restore channel with improved culverts; Option 2 – use an underground pipeline/siphon across Salt River; and Option 3 – Arizona canal delivery. He concluded with images relating to all three options, a summary of current efforts, and next steps.

Messrs. H.J. Buenrostro, C.E. Ester, J.O. Garcia, and B.F. Pane, 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.

Mmes. C.M. Jovanovic and E.E. Trapp; and Messrs. M.S. Mendonca and P.B. Sigl left 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

Vice Chairman S.H. Williams 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 10:42 a.m.

John M. Felty
Corporate Secretary

Upper Arizona and South Canal Improvements

Bob Pane, Director, Water Engineering and Transmission

Water Committee

September 24, 2024

Agenda

- 1994 SRP Facilities Prior to the Granite Reef Underground Storage Project (GRUSP)
- 2024 SRP Facilities Post Granite Reef Underground Storage Project (GRUSP)
- Challenges Facing the Upper Arizona Canal
- Potential Opportunities for Protecting the Upper Arizona Canal
- Evergreen Drain Improvements
- Hennessy Drain Reinstatement on the South Canal
- Funding Opportunities

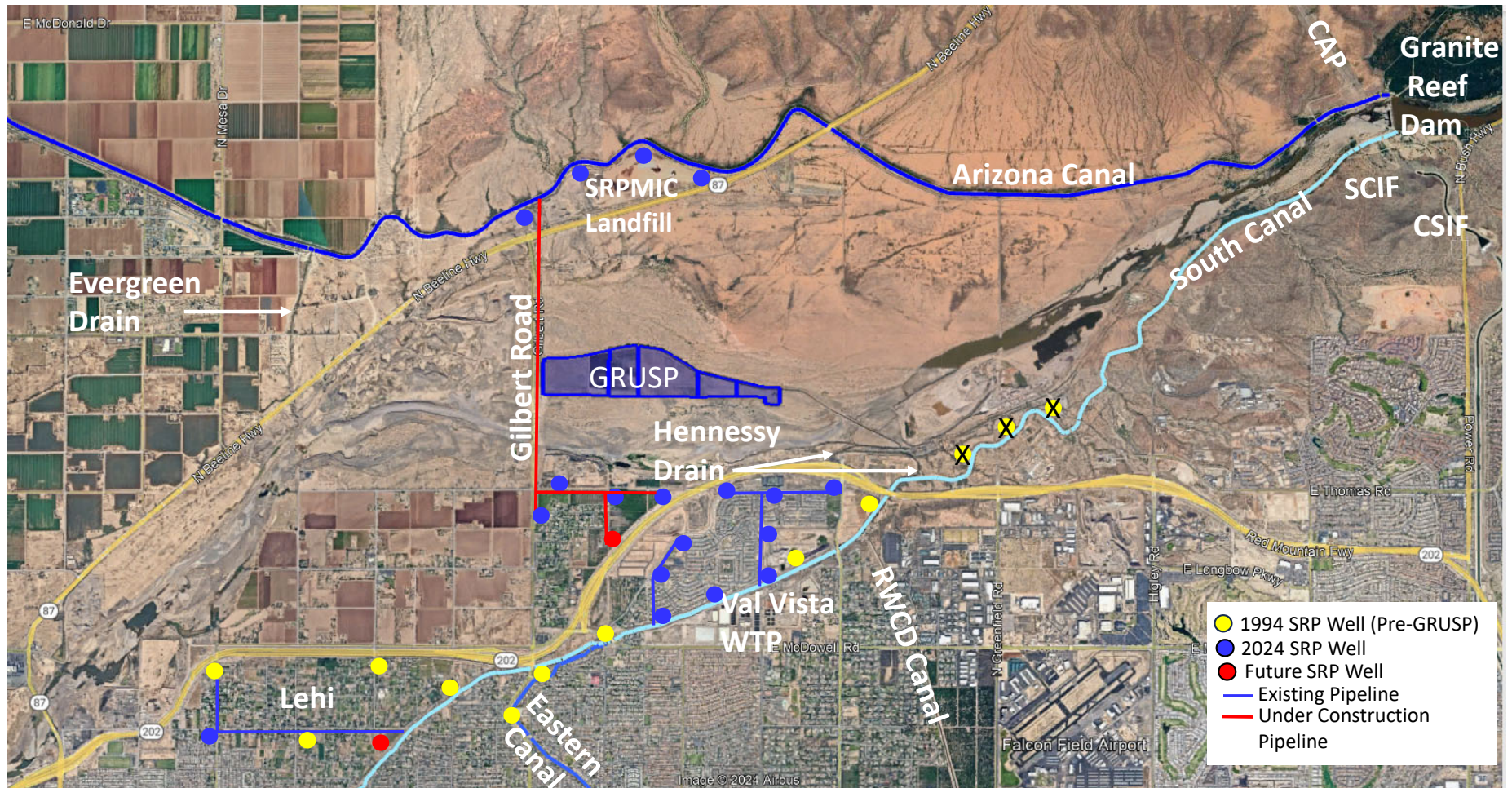
Glossary of Terms

- GRUSP – Granite Reef Underground Storage Project
- SRPMIC – Salt River Pima Maricopa Indian Community
- CAP – Central Arizona Project
- CSIF – CAP/SRP Interconnect Facility
- SCIF – SRP/CAP Interconnect Facility
- WTP – Water Treatment Plant

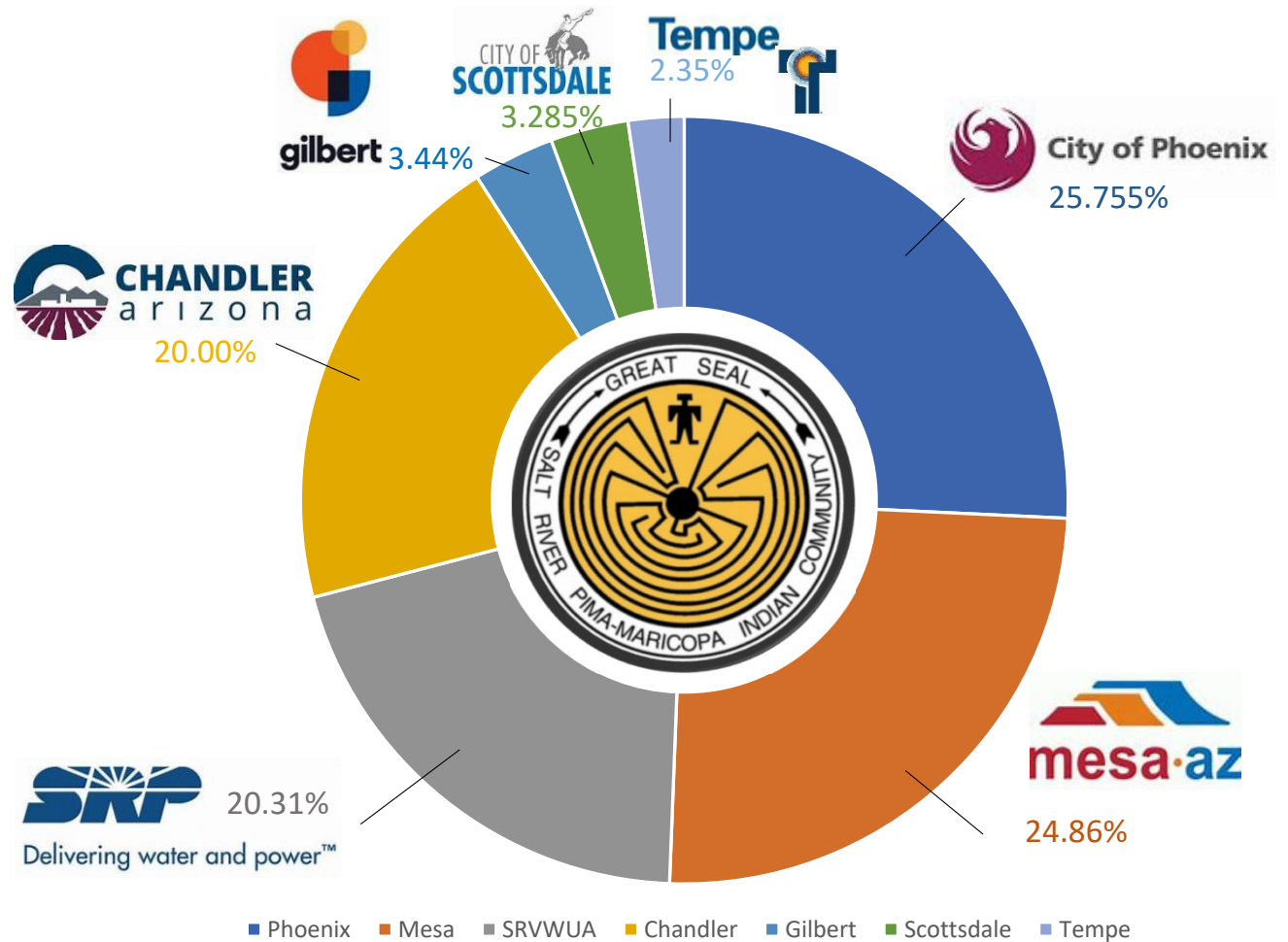
1994 Upper Arizona and South Canal Facilities



2024 Upper Arizona and South Canal Facilities



30 years of Partnership 1994-2024

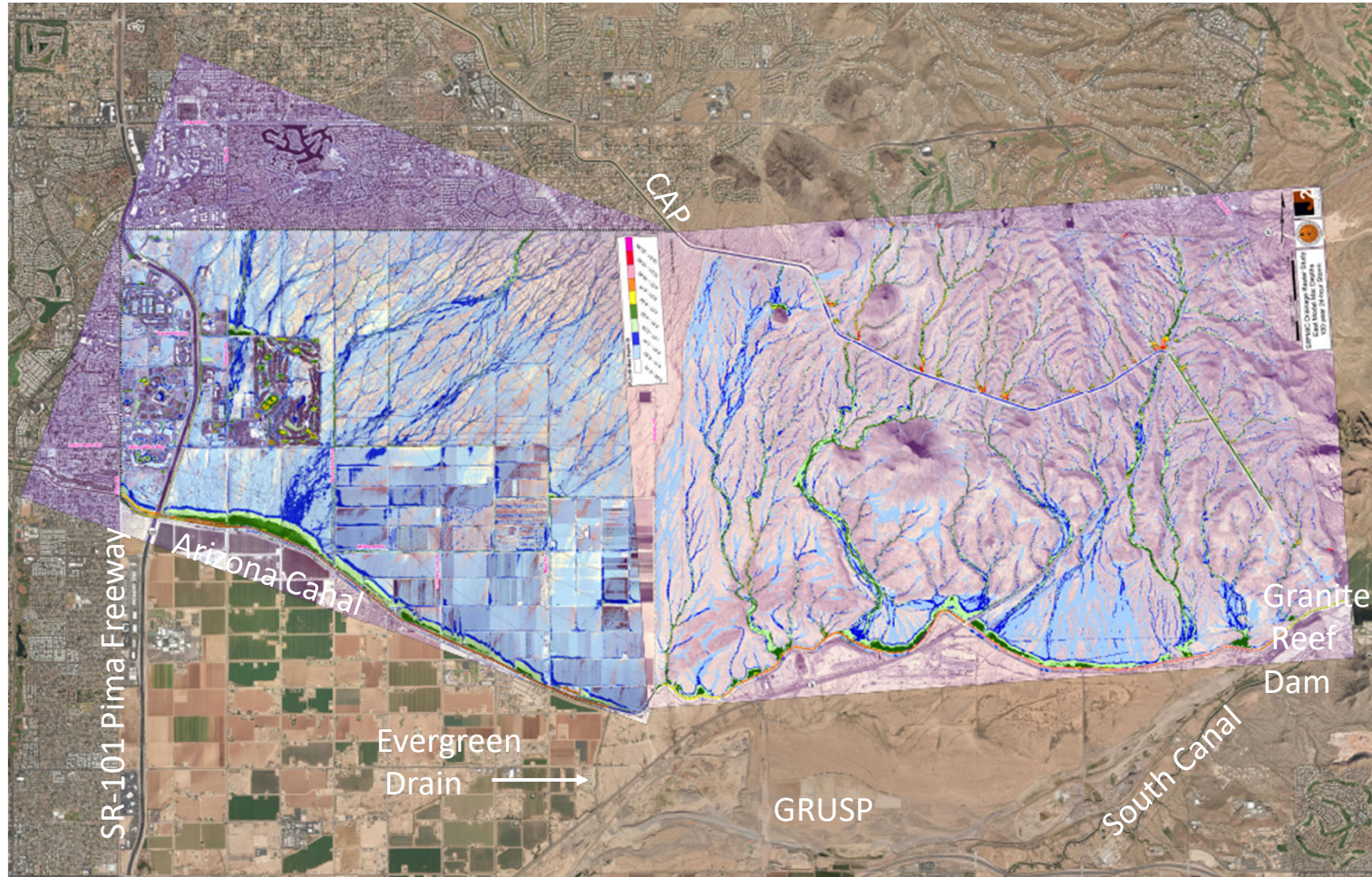


Percent Ownership of GRUSP Capacity

Joint Watershed Study



Protecting Our Investments



Arizona Canal Flooding



Damage Caused By Flooding



Overchutes



South Canal Overchute



CAP Canal Overchute

Underchutes

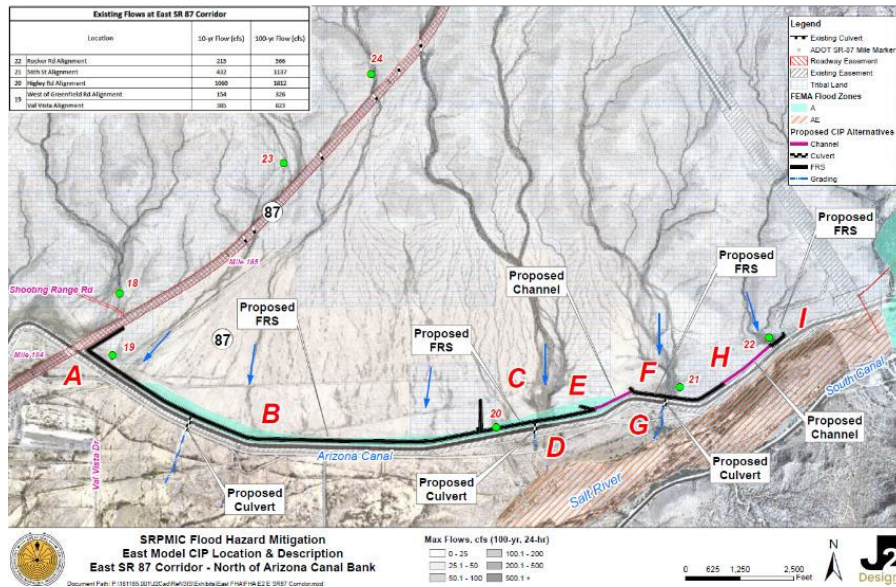


Box Culvert Under South Canal



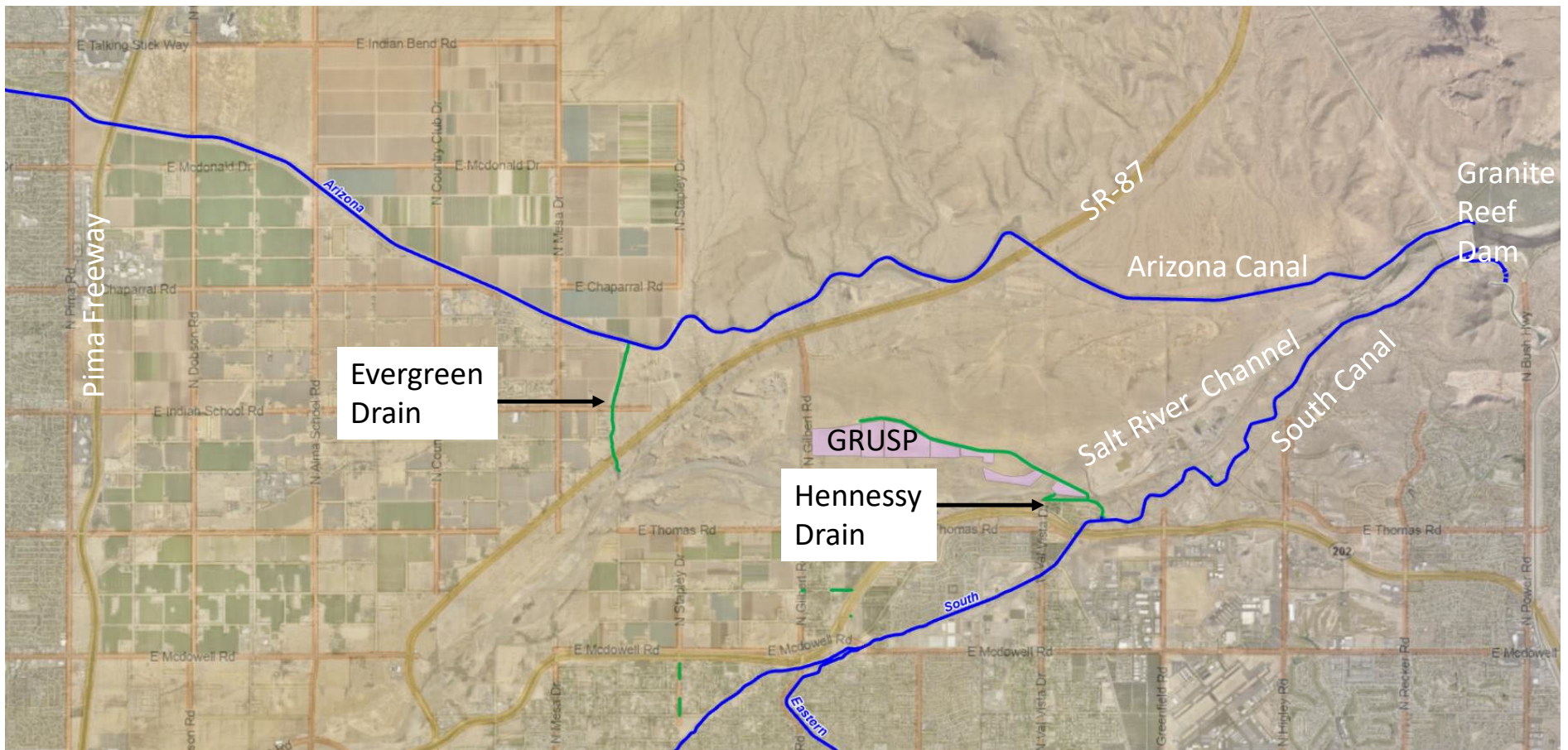
Evergreen Drain Box Culvert Under Beeline Highway

Flood Retention Structures (FRS)

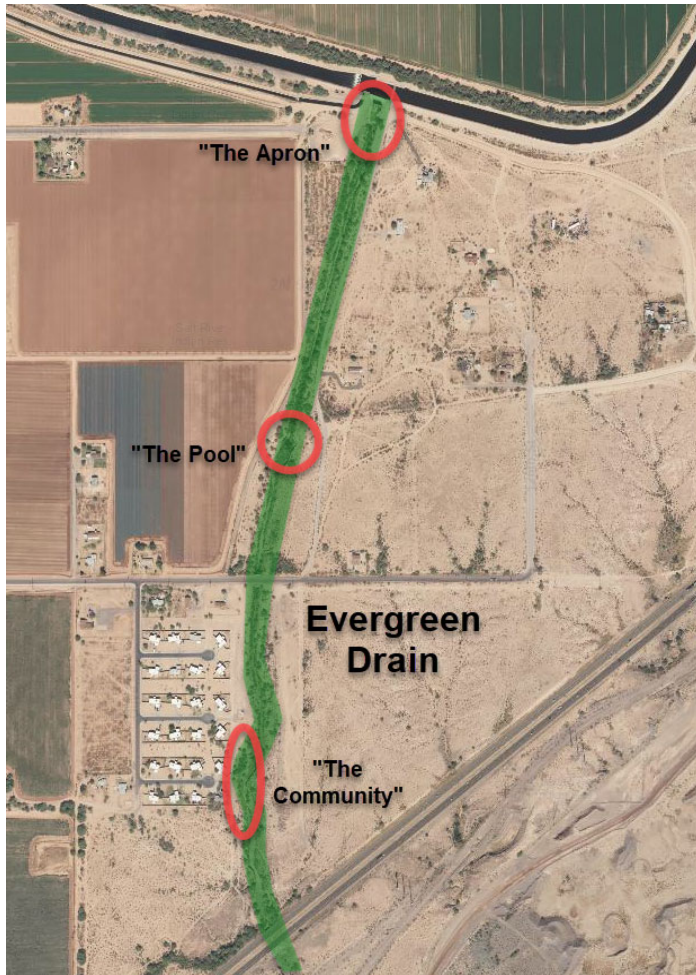


Note: FRS aren't our preferred solution due to increased maintenance requirements and large land footprint

Evergreen and Hennessy Drain Location Map



Evergreen Drain Improvements



- SRP contracted with JE Fuller to assist in site evaluation and improvement design
- Three areas of concern were identified the Apron, Pool and Community
- The USA reserved land for the operation and maintenance of the Evergreen Drain
- Currently working with the Bureau of Reclamation to better understand those land rights

Evergreen Drain – “The Apron”



Proposed Improvements

- Energy dissipation
- Bank and bed stabilization
- Potential new well

Evergreen Drain – “The Pool”



Proposed Improvements

- Remove Phoenix Verde Water Treatment Plant pipeline armoring
- Regrade bed to natural channel
- Bank stabilization

Evergreen Drain – “The Community”



09/24/2024 Water Committee, B. Pane



Proposed Improvements

- Public safety
- Bank and bed stabilization

Hennessy Drain Reinstatement



Funding Opportunities

- Partnering with the Salt River Pima Maricopa Indian Community and the City of Scottsdale will enhance our ability to seek financial funding support.
- Maricopa County Flood Control District has participation funding.
- The Federal Government has numerous programs to support infrastructure improvements and water resiliency.
 - ✓ Urban Canal Modernization Act (Arizona Canal from Mesa Dr. to Indian Bend Wash)
 - ✓ Annual Congressional Appropriations Process
 - ✓ “The Section 595 Program” aka Arizona Environmental Infrastructure Program

Summary

- SRP has invested considerable capital to improve water resiliency in the upper portions of our system.
- Severe storm events effect the integrity of the upper Arizona Canal resulting in increased maintenance expenses and customer service impacts.
- Improvements need to be made to protect the upper reaches of the Arizona and South Canals.
- SRP in partnership with the Salt River Pima Maricopa Indian Community will seek local and federal funding assistance.

thank you!





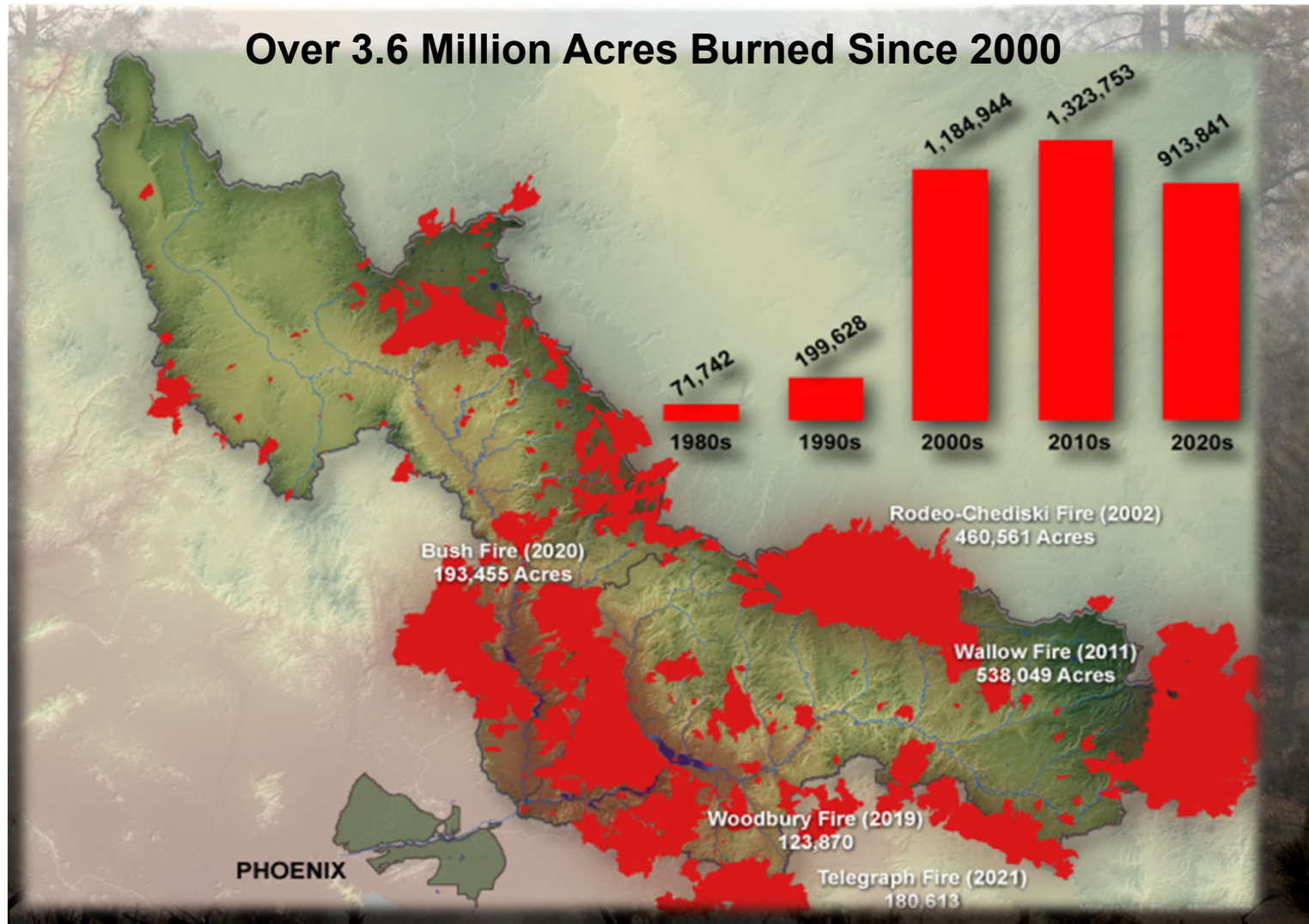
Forest Health Collaboration and Partnership Update

Water Committee

Elvy Barton

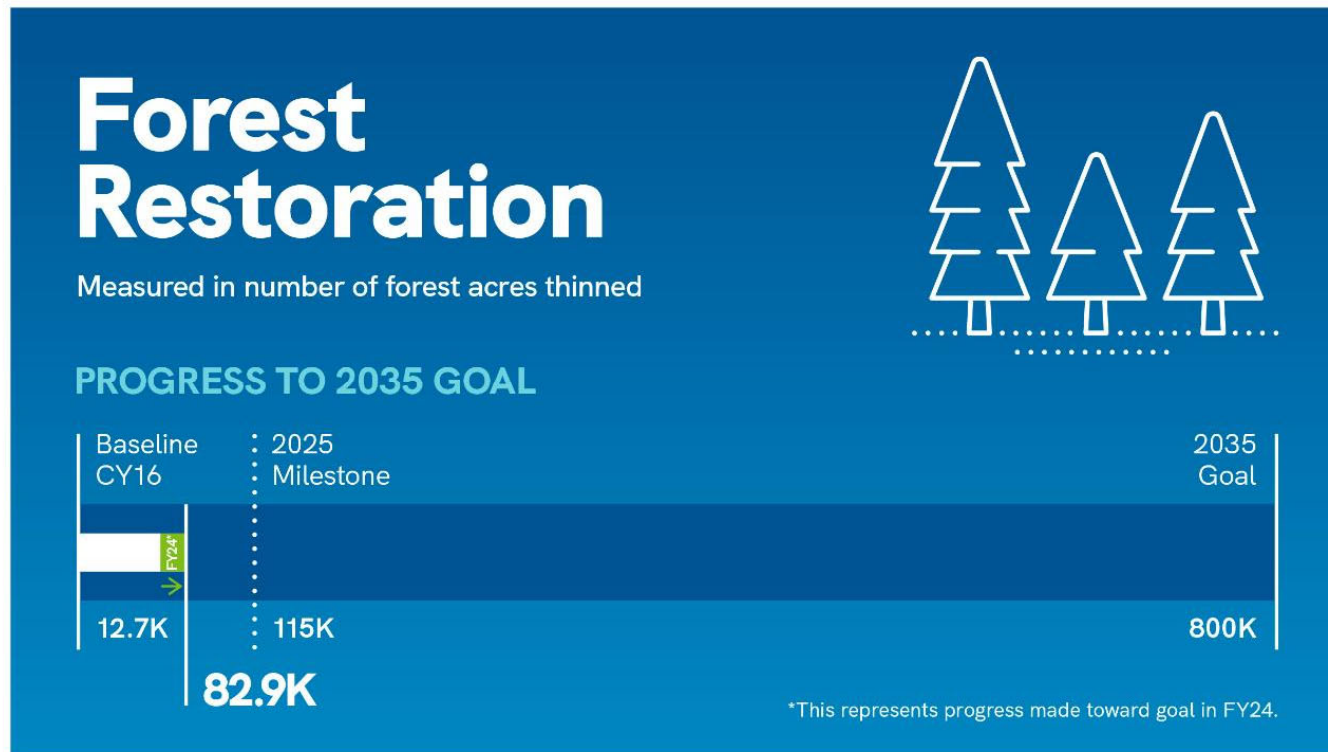
September 24, 2024





Forest Restoration Goal

Increase SRP's leadership role in forest restoration treatments through partnerships, influence, education and support for industry to thin 800,000 acres total by 2035



FY24 Results:

Thinned **82,885 acres** of forest — an **increase of 14,567 acres** from FY23.

Forest Restoration Challenges and Opportunities

- U.S. Forest Service capacity and funding
 - Leveraging partner capacity and funding
 - Innovative funding mechanisms utilizing co-benefit analysis
- Forest product industry and infrastructure availability
 - Novo Biomass Power Purchase Agreement
 - Federal and State policy support
- Increasing pace to achieve landscape-scale
 - Long-term partner commitments



Collaboration and Partnerships

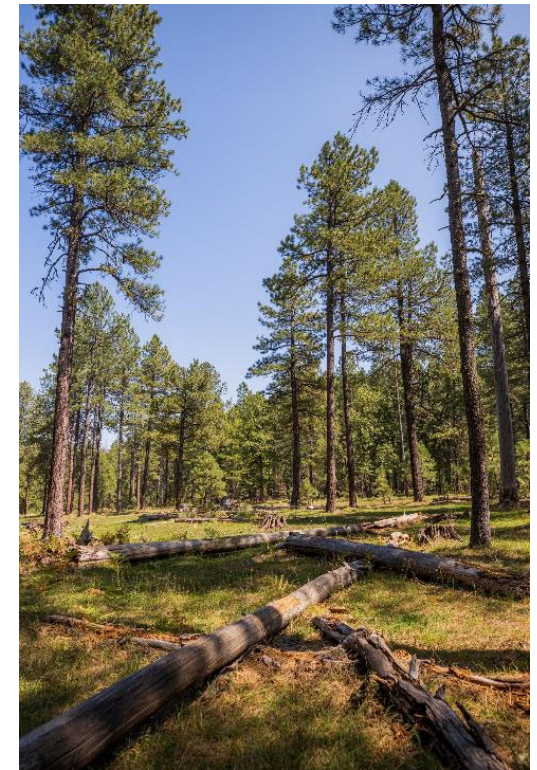


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Water Committee, E. Barton

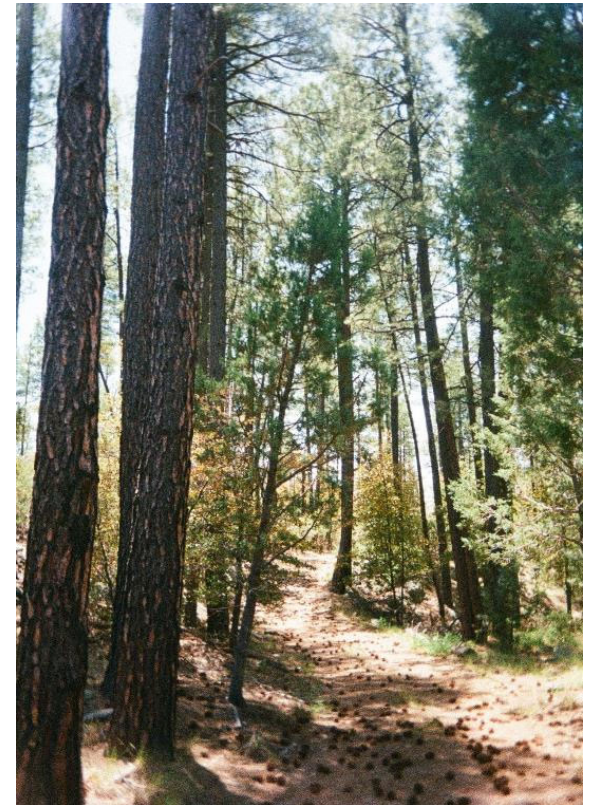
Collaboration to Implement Forest Restoration Projects

- U.S. Forest Service – Arizona Dept. of Forest and Fire Management – up to 120,000 acres
 - Tonto National Forest – Payson and Pleasant Valley Districts
 - Coconino National Forest – Cragin Watershed and Red Rock District
 - Apache – Sitgreaves National Forest – Black River Watershed
 - Prescott National Forest – Verde, Chino, and Bradshaw Districts
- Arizona Game and Fish – up to 10,000 acres
- Non-Profit Partners – up to 37,000 acres
 - National Forest Foundation
 - Mule Deer Foundation
 - The Nature Conservancy
 - Arizona Elk Society



Forest Restoration Funding FY23 – FY25

- Federal Funding - \$9.9M
- State Funding - \$2.4M
- County and Municipal Funding - \$247K
- Non-Profit Funding - \$354K
- SRP Actual - \$2.48M
- SRP Health Forest Initiative - \$1.2M
- SRP Resilient Water and Forest Initiative™ - \$1.38M
- **Total Restoration Funding Received \$17.9M**



SRP Resilient Water and Forest Initiative

- Funding Partnerships with SRP Corporate Customers
 - 7 corporate customers
 - Funding 15 projects
 - Over \$5M secured for restoration, monitoring and reporting
- Provide annual quantified water benefits and/ or carbon benefits
 - Water quantified using ASU-SRP Water Benefit Model
 - Carbon quantified using Climate Forward Reduced Emissions from Megafire Methodology



Looking to the Future

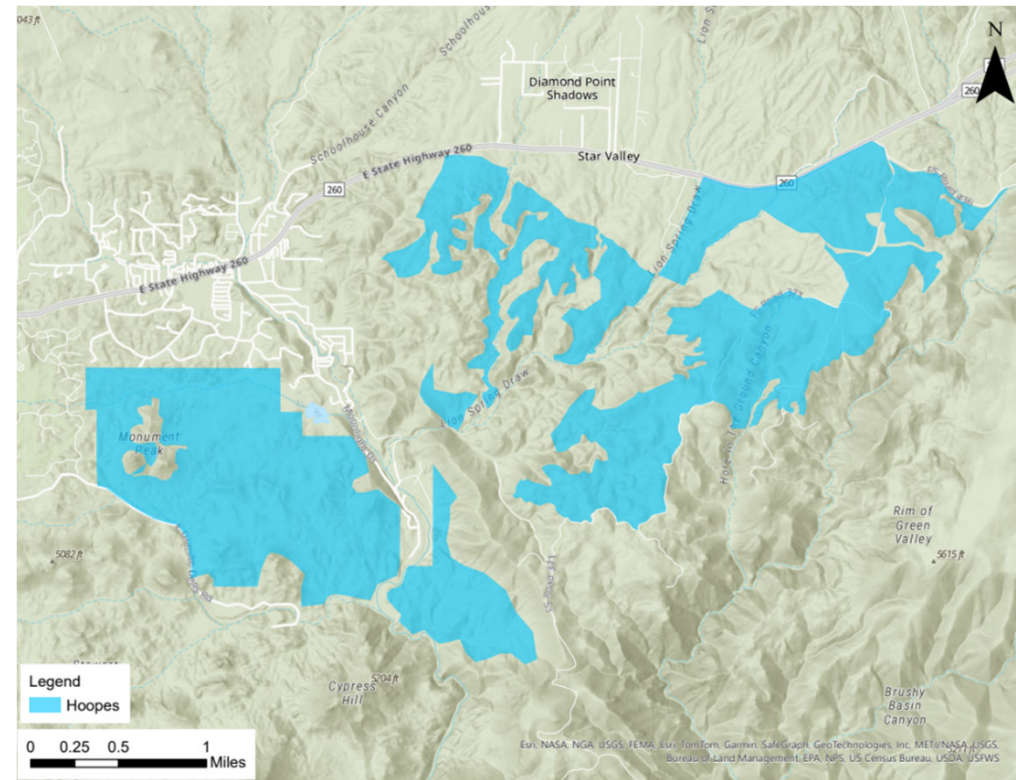
- Grow the SRP Resilient Water and Forest Initiative™
 - Scale water benefit modeling
 - Add biodiversity benefits
 - Secure additional corporate investments
- Support new utility forest restoration investments
- Scale to 25,000 SRP partner acres per year



In Memoriam – Vice President John Hoopes

- Hoopes Forest Restoration Project

- Tonto National – Northeast of Payson
- 2768 acres of pine and woodland restoration
- Protecting communities and water supplies
- Implementation to begin in 2027



thank you!

