

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

WATER COMMITTEE

Tuesday, May 20, 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 meetings of April 22, 2025.
2. Development of Water Resources to Support Certain Power Generation Facilities SHANE DePINTO and SHARON MORRIS

Informational presentation regarding an overview of the water resources development to support certain power generation facilities, including the Coolidge Power Station and Copper Crossing Energy Research Center.
3. Report on Current Events by the General Manager and Chief Executive Officer and Designees JIM PRATT
4. 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, JUNE 17, 2025

05/13/2025

MINUTES
WATER COMMITTEE
SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND
POWER DISTRICT

DRAFT

April 22, 2025

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, April 22, 2025, 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; and N.R. Brown, M.J. Herrera, K.J. Johnson, S.D. Kennedy, K.H. O'Brien; and L.D. Rovey of the Association.

Also present were President D. Rousseau; Vice President C.J. Dobson; Board Members R.J. Miller, K.L. Mohr-Almeida, P.E. Rovey, and J.M. White Jr.; Council Chair J.R. Shelton; Council Liaisons M.L. Farmer and M.C. Pedersen; Council Members E.L. Gorsegrner, B.E. Paceley, M.G. Rakow, and C. Resch-Geretti; I.R. Avalos, M.J. Burger, A.P. Chabrier, J.D. Coggins, J.M. Felty, L.F. Hobaica, A.W. Johnson, M.M. Klein, B.J. Koch, K.J. Lee, C.M. McJunkin, M.S. Mendonca, L.A. Meyers, S.S. Morris, B.A. Olsen, B.F. Pane, J.M. Pratt, C.M. Sifuentes-Kohlbeck, P.B. Sigl, G.M. Smedley, and R.R. Taylor of SRP; 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 Friday, April 18, 2025.

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 March 13, 2025, 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, K.J. Johnson, S.D. Kennedy, and K.H. O'Brien	(7)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	None	(0)

Solar Panels Over Canal

Using a PowerPoint presentation, Andy W. Johnson, SRP Senior Engineering, stated that the purpose of the presentation was to provide an update on the SRP study to evaluate the feasibility of mounting solar panels over project canals, including the development of conceptual designs for solar panel installation and the analysis, in collaboration with Arizona State University (ASU), to evaluate impacts of evaporation.

A.W. Johnson listed the potential benefits of mounting solar panels over canals as follows: 1) multi-use of existing canal land; 2) decrease in evaporation of water; 3) impacts to aquatic vegetation growth; 4) renewable generation source; and 5) increased solar panel efficiency. They also listed the following concerns of mounting solar panels over canals: 1) public safety and recreation impacts; 2) clearance for equipment; 3) reduced maintenance efficiencies and increased costs; 4) lack of solar tracking; 5) cost compared to utility scale projects; 6) may require specialized equipment; and 7) increased shade may promote quagga mussel infestation.

A.W. Johnson provided a recap of the phase one pilot project as follows: 1) SRP contracted consultant, George Cairo Engineering, Inc. (GCE), to design solar panel installations over the canals; 2) the site selected for the pilot project was the Grand Canal near the PERA Club; and 3) 15% into the design, GCE provided four support frame designs – three out of the four alternatives were selected for further review. They said that the following three design alternatives cover approximately 1,000 Linear Feet (LF) and include: 1) an elevated full span basic support – one megawatt (MW) capacity; 2) a low full span basic support – one MW capacity; and 3) an elevated cantilever – 400 kilowatts (kW) capacity.

A.W. Johnson presented a diagram of the elevated basic support frame. They reviewed construction estimates and a capital cost comparison relating to the solar mounted over canal study (SMOC), residential solar, large commercial and industrial, and utility scale.

A.W. Johnson explained that fixed-tilt SMOC is considerably more expensive than fixed-tilt rooftop and utility scale single-axis-tracking on cost per MW per hour (\$/MWh) basis. They stated that SRP is working with ASU on an evaporation study that includes the

following evaporation estimation methodologies: 1) pan evaporation; 2) Penman-Brutsaert equation; 3) water isotope enrichment; and 4) ECOSTRESS.

A.W. Johnson detailed ASU's outdoor lab findings regarding the evaporation study. They concluded with a discussion regarding next steps.

A.W. Johnson 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.

A.W. Johnson of SRP left the meeting. R.T. Judd and V.P. Kisicki of SRP entered the meeting during the presentation.

Executive Session: 7th Street and Missouri Avenue
Water Quality Assurance Revolving Fund (WQARF) Site

Chair R.C. Arnett requested a motion to enter into executive session, pursuant to A.R.S. §38-431.03(A)(4), to discuss the status of SRP's settlement negotiations concerning SRP's appeal of the final administrative decision of the Arizona Department of Environmental Quality (ADEQ) concerning the Record of Decision (ROD) for the 7th Street and Missouri Avenue WQARF site.

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 10:13 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 R.C. Arnett, Chair; S.H. Williams, Vice Chair; and N.R. Brown, M.J. Herrera, K.J. Johnson, S.D. Kennedy, and K.H. O'Brien	(7)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	None	(0)

Simone Williams of AMWUA left the meeting.

The Committee reconvened into open session at 10:35 a.m., with the following members and others present were President D. Rousseau; Vice President C.J. Dobson; Board Members R.C. Arnett, N.R. Brown, M.J. Herrera, K.J. Johnson, S.D. Kennedy, R.J. Miller, K.L. Mohr-Almeida, K.H. O'Brien, P.E. Rovey, J.M. White Jr., and S.H. Williams; Board Member L.D. Rovey of the Association; Council Chair J.R. Shelton; Council Liaisons M.L. Farmer and M.C. Pedersen; Council Members

E.L. Gorsegner, B.E. Paceley, M.G. Rakow, and C. Resch-Geretti; and I.R. Avalos, M.J. Burger, A.P. Chabrier, J.D. Coggins, J.M. Felty, L.F. Hobaica, V.P. Kisicki, M.M. Klein, B.J. Koch, K.J. Lee, C.M. McJunkin, M.S. Mendonca, L.A. Meyers, G.A. Mingura, S.S. Morris, B.A. Olsen, B.F. Pane, J.M. Pratt, C.M. Sifuentes-Kohlbeck, P.B. Sigl, G.M. Smedley, and R.R. Taylor of SRP.

Simone Williams of AMWUA entered the meeting.

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

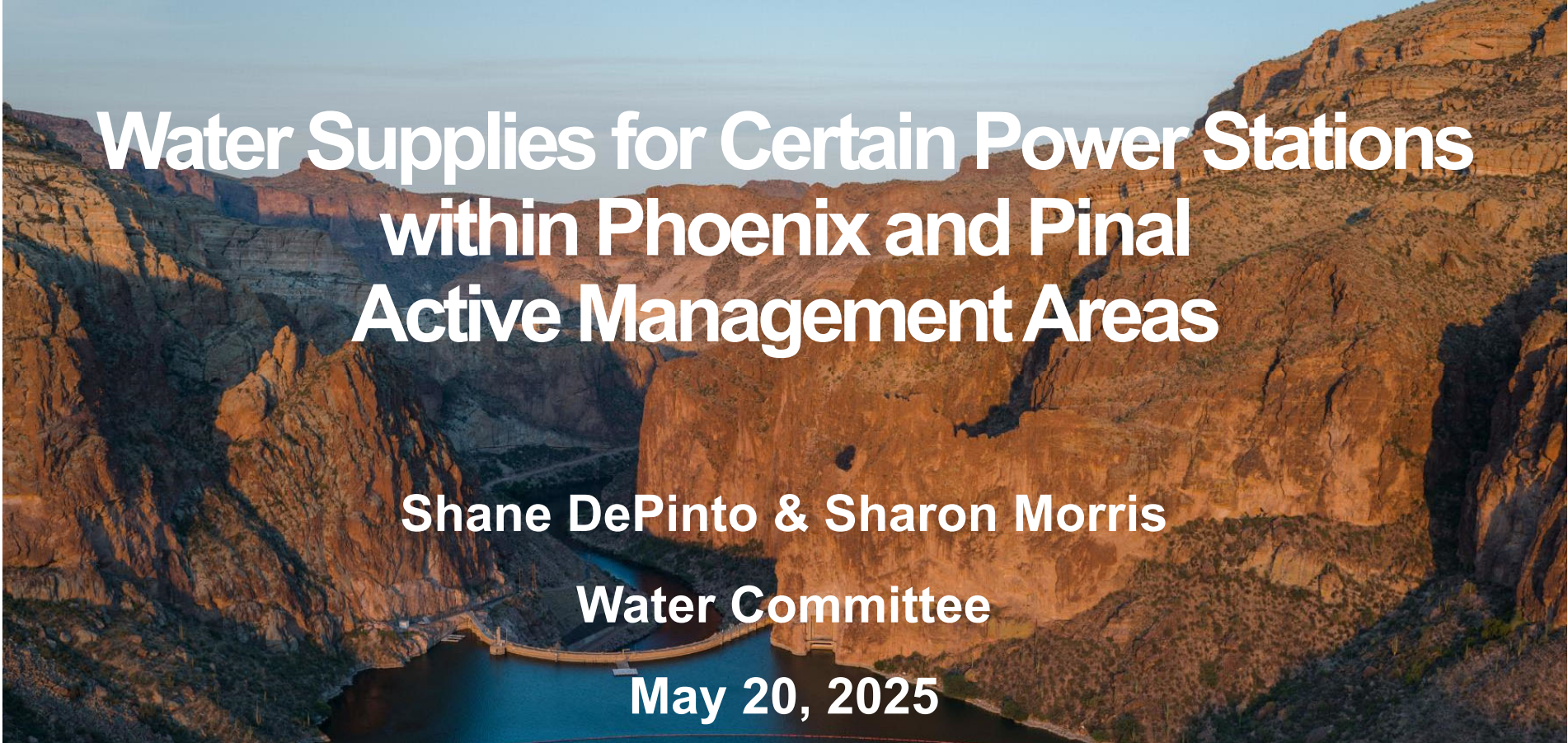
There was no report on current events by Jim M. Pratt, SRP General Manager and Chief Executive Officer.

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 10:36 a.m.

John M. Felty
Corporate Secretary



Water Supplies for Certain Power Stations within Phoenix and Pinal Active Management Areas

Shane DePinto & Sharon Morris

Water Committee

May 20, 2025



Water Supplies for Certain Power Stations within Phoenix and Pinal Active Management Areas

Agenda

- Criteria for Renewable and Reliable Water Supplies
- Copper Crossing Energy Research Center
- Coolidge Expansion Project



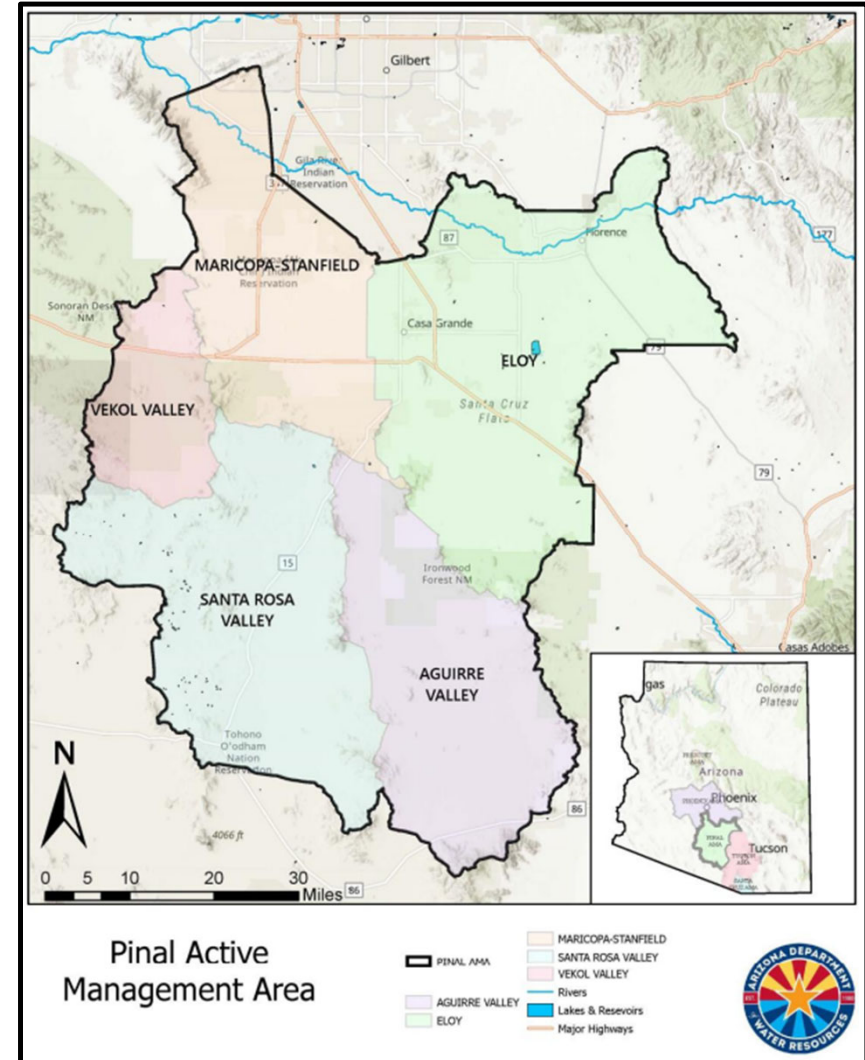
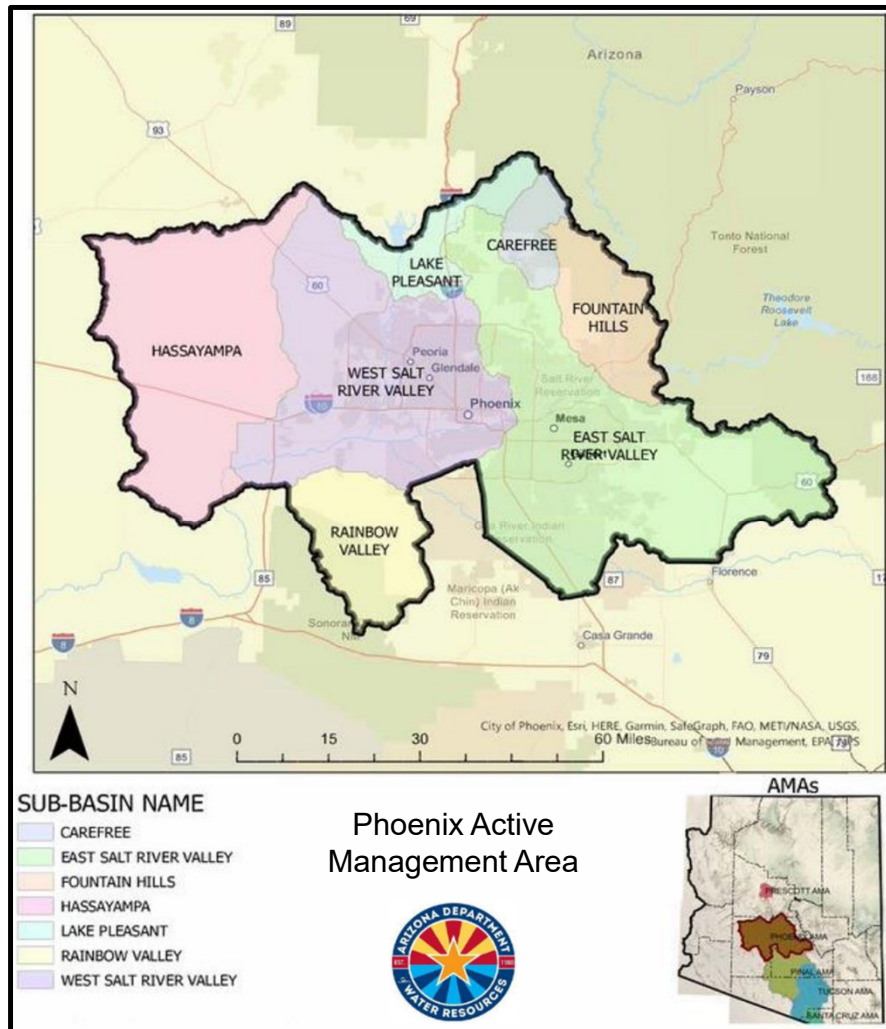
A wide-angle photograph of a desert landscape at dusk or dawn. In the background, a range of mountains is silhouetted against a soft, orange-hued sky. The foreground is filled with desert vegetation, including several tall saguaro cacti and low-lying shrubs. The overall scene is peaceful and evokes a sense of vastness and natural beauty.

MISSION

SRP serves our customers and communities by providing reliable, affordable and sustainable water and energy.

2050 VISION

A secure water and clean energy future empowers Arizona to thrive for generations to come.



2035 Sustainability Goals: Generation Water

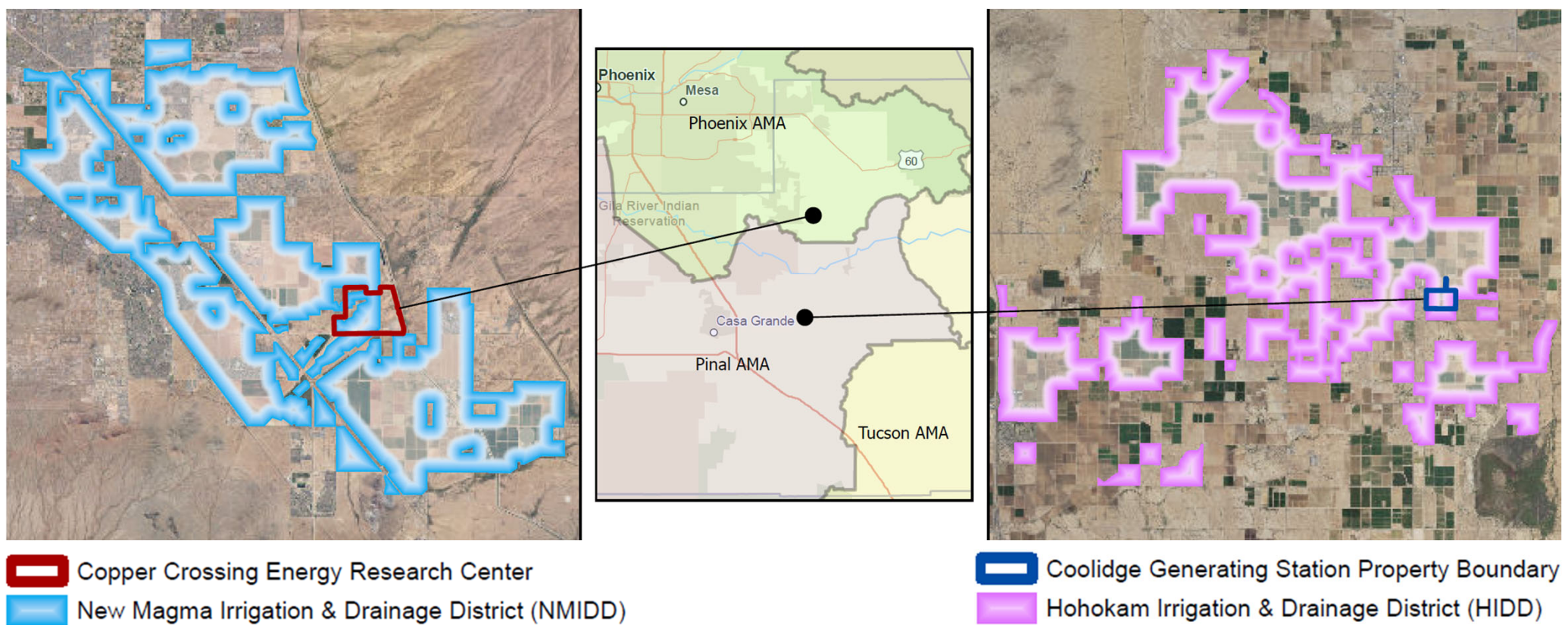
**Generation Active Mgmt.
Area Groundwater**



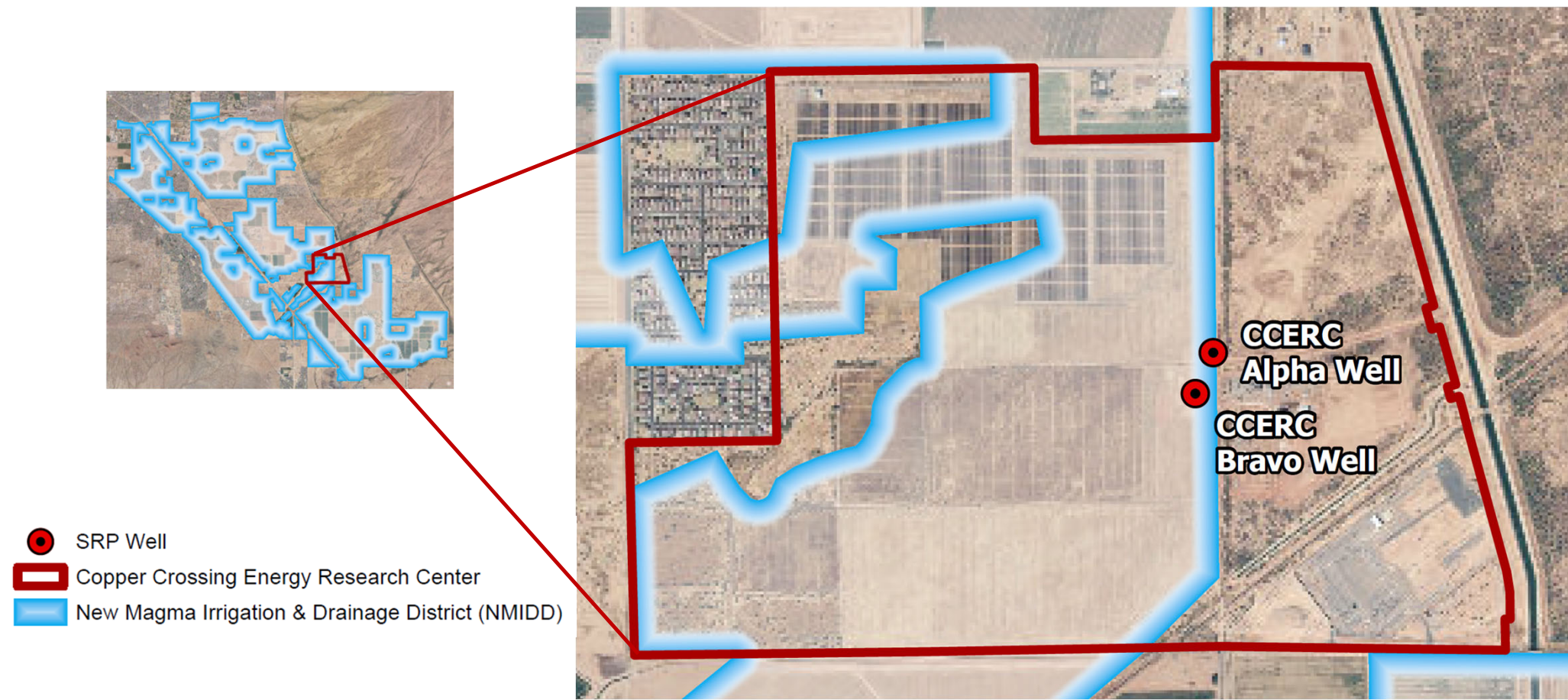
**Generation Fleet-
Wide Water Reduction**



Groundwater Savings Facilities



Copper Crossing Energy Research Center - Physical Water Supply

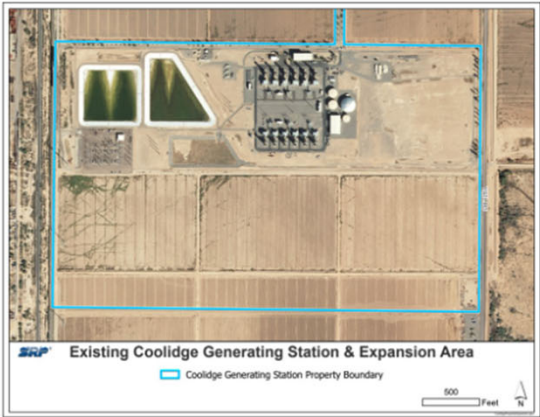


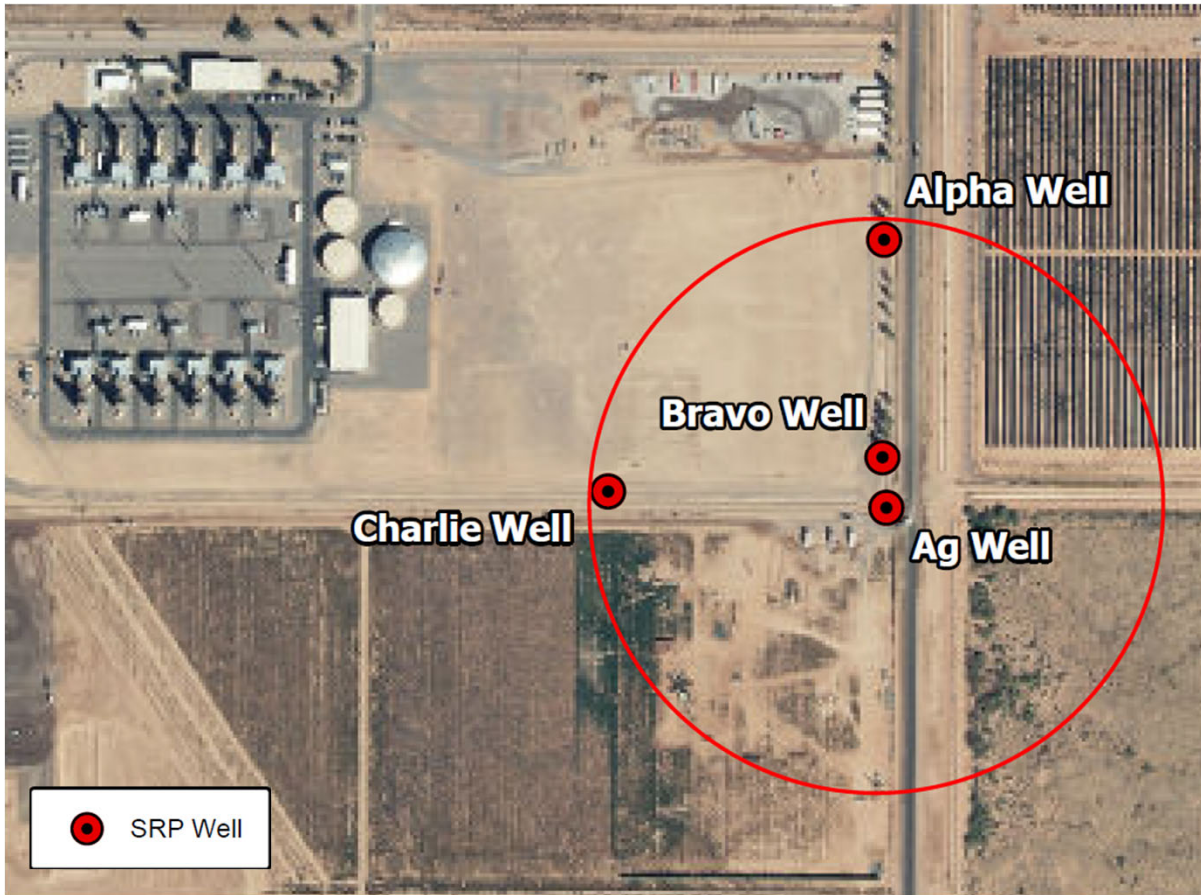
CCERC Bravo Well Drilling



Coolidge Expansion Project – Physical Water Supply

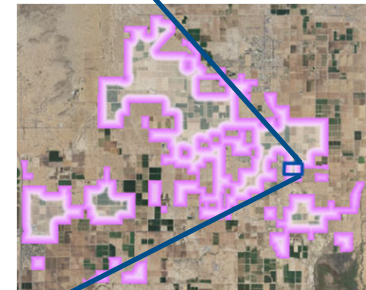
Existing Coolidge Generating Station







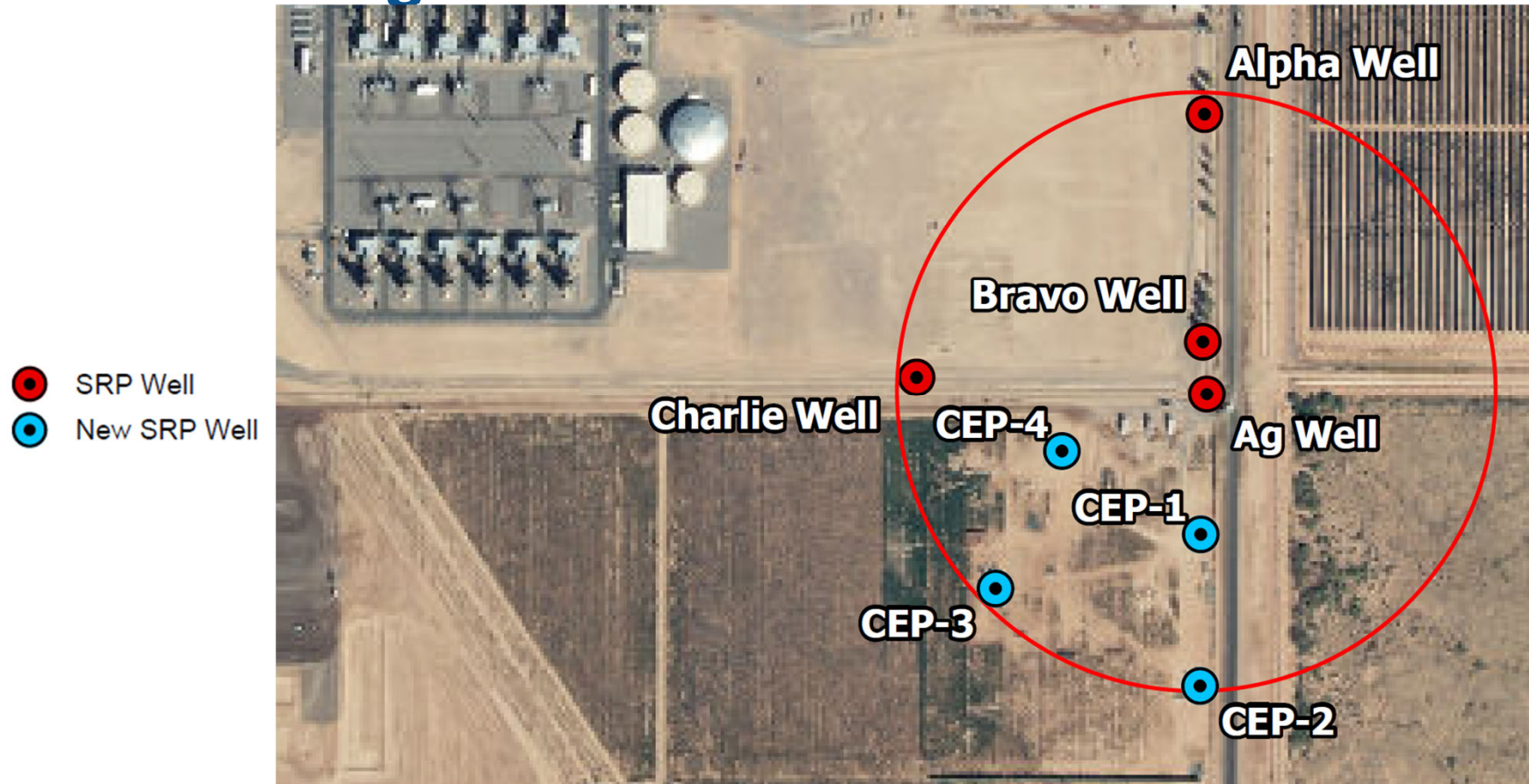
Existing Wells

Well	Well Capacity
Alpha	Good
Bravo	Great
Charlie	Poor



-  Coolidge Generating Station Property Boundary
-  Hohokam Irrigation & Drainage District (HIDD)


Well Drilling Plan





Drilling Results

Well	Well Capacity
CEP1	Good
CEP2	Good
CEP3	Good
CEP4	Good
Combined Total	Exceeds Project Needs

 New SRP Well

thank you!

