

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

WATER COMMITTEE

Tuesday, October 22, 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 September 24, 2024.
2. Executive Session, Pursuant to A.R.S. §38-431.03(A)(3) and (A)(4), to Have Discussion or Consultation with Attorneys for Legal Advice and to Give Instructions on the Status of SRP's Settlement Negotiations Concerning SRP's Appeal of the Final Administrative Decision of the Arizona Department of Environmental Quality Concerning the Record of Decision for the 7th Street and Missouri Avenue Water Quality Assurance Revolving Fund (WQARF) SiteMARIBETH KLEIN
3. Executive Session, Pursuant to A.R.S. §38-431.03(A)(3) and (A)(4), to Have Discussion or Consultation with Attorneys for Legal Advice and to Give Instructions on (1) Pending Litigation, Gallagher & Kennedy, P.A. v. City of Phoenix, et. al., Case No. 23-15938, 2:16-cv-04447, and (2) Legal Issues and Potential Settlement/Remedy for the West Van Buren WQARF Site to Avoid Additional Litigation MICHAEL O'CONNOR and KARA MONTALVO
4. Per and Poly-Fluoroalkyl Substances (PFAS)..... ROBERT VERTEFEUILLE

Informational presentation regarding an update on the emerging regulatory environment for PFAS, including efforts by the Environmental Protection Agency and the Arizona Department of Environmental Quality to address the risk posed by the substances
5. Executive Session, Pursuant to A.R.S. §38-431.03(A)(3), to Have Discussion or Consultation with Attorneys and to Give Instructions Related to the Legal Issues and Legal Risks Associated with PFAS and their Interaction with the SRP Water Supply and Operations.... MARIBETH KLEIN and SHARON MORRIS
6. Report on Current Events by the General Manager and Chief Executive Officer and DesigneesJIM PRATT

7. 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, NOVEMBER 19, 2024**

MINUTES
WATER COMMITTEE
SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND
POWER DISTRICT

DRAFT

September 24, 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, September 24, 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, K.J. Johnson, S.D. Kennedy, and K.H. O'Brien; and L.D. Rovey of the Association.

Also present were President D. Rousseau; Board Members M.V. Pace, 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. Gorsegner and C. Resch-Geretti; I.R. Avalos, J.M. Baran, E.N. Barton, M.J. Burger, A.P. Chabrier, J.D. Coggins, J.M. Felty, L.F. Hobaica, J.W. Hubbard, K.J. Lee, M.S. Mendonca, L.A. Meyers, G.A. Mingura, K.L. Morrison, M.J. O'Connor, B.A. Olsen, B.F. Pane, S.A. Perkinson, J.M. Pratt, C.H. Terrazas, and K.J. Tilghman of SRP; Paul Bergelin of Arizona Municipal Water Users Association (AMWUA); and Tina Sleeper of the City of Tempe.

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, September 20, 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 August 20, 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, K.J. Johnson, S.D. Kennedy, and K.H. O'Brien	(7)
NO:	None	(0)
ABSTAINED:	None	(0)
ABSENT:	None	(0)

Upper Arizona Canal and South Canal Improvements

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

B.F. Pane presented a 1994 ariel view of the upper Arizona and South Canal facilities, mapping out SRP's wells before the Granite Reef Underground Storage Project (GRUSP) was constructed; and a 2024 ariel view of the upper Arizona and South Canal facilities, mapping out SRP's new wells and infrastructure constructed after GRUSP became operational in 1994. They provided an overview of the 30 years of partnerships with the Salt River Pima Maricopa Indian Community involving GRUSP in addition to the percentage ownership of GRUSP's capacity among SRP and the following municipalities: Chandler, Gilbert, Scottsdale, Tempe, Phoenix, and Mesa.

B.F. Pane stated that SRP and the Salt River Pima-Maricopa Indian Community (SRPMIC) contracted J2 Engineering and Environmental Design to perform a watershed study to determine points of inflow, the origin of inflow, and potential mitigation strategies. They explained that the areas were broken into the following two segments: 1) the Urban Canal – the west segment from Mesa Drive to the Indian Bend Wash, which is of great interest to SRPMIC and the City of Scottsdale; and 2) the Arizona Canal Upstream – the upstream segment east of Mesa Drive to the Granite Reef Dam, which is of limited interest to SRPMIC as they have no plans of developing the area and intend to keep it in its native state.

B.F. Pane stressed the importance of protecting SRP's investments from major washes and channels where runoff from storms make its way into the Arizona Canal, particularly one of the largest runoffs being near Alma School Road. They commented on the following images of the Arizona Canal and Central Arizona Project (CAP) Canal. B.F. Pane discussed the following examples of mitigation strategies (overchutes, underchutes, and flood retention structures): 1) flooding of the Arizona Canal in the Alma School Road area; 2) damage caused by flooding in the upper Arizona Canal; 3) the South Canal overchute water route; 4) the CAP Canal overchute water route;

5) the South Canal box culvert underchute; and 6) the Beeline Highway Evergreen Drain box culvert underchute.

B.F. Pane provided a map of existing water flows east of the State Route (SR) 87 Corridor and outlined proposed flood retention structures (FRS), channels, and culverts. They stated that FRS are not SRP's preferred solution for flood retention due to the increased maintenance requirements and large land footprints.

B.F. Pane presented a map highlighting the locations of the Evergreen and Hennessy Drains located on the Arizona and South Canal. They reviewed the following actions underway in regards to the Evergreen Drain improvements: 1) SRP contracted with JE Fuller Hydrology and Geomorphology, Inc. to assist in site evaluation and improvement design; 2) three areas of concern were identified; 3) the United States reserved land for the operation and maintenance of the Evergreen Drain; and 4) SRP is currently working with the Bureau of Reclamation to better understand those land rights. B.F. Pane detailed the three areas of concern. They noted that due to public safety concerns, the highest priority is the area near a neighborhood and community center where work will begin this fiscal year.

B.F. Pane provided an ariel view of the South Canal and explained the reinstatement of the Hennessey Drain. They concluded with a discussion of funding opportunities and a summary of the key takeaways.

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.

Council Members A.A. Freeman, R.S. Kolb, M.G. Rakow, and R.W. Swier; and P.B. Sigl of SRP entered the meeting during the presentation.

SRP's Forest Health Project Partnership Update

Using a PowerPoint presentation, Elvy N. Barton, SRP Senior Manager of Water and Forest Sustainability, stated that the purpose of the presentation was to provide information 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. They stated that over 3.6 million acres of forest have burned since 2000.

E.N. Barton reminded the Committee that SRP's 2035 forest health goal is to 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. They stated that the Fiscal Year 2024 (FY24) results reflected that 82,885 acres of forest were thinned, an increase of 14,567 acres from FY23.

E.N. Barton discussed the challenges and opportunities associated with forest restoration. They highlighted the collaborations and partnerships with various entities that have joined SRP in its efforts to implement forest restoration.

E.N. Barton reported that from FY23 to FY25, \$17.9 million in restoration funds have been received. They explained that SRP's Resilient Water and Forest Initiative has funding partnerships with SRP corporate customers and provides annual quantified water and reduced carbon emissions benefits.

E.N. Barton stated that SRP continues to grow its Resilient Water and Forest Initiative, support new utility forest restoration investments, and partner to scale 25,000 acres per year. They concluded with an overview of the Hoopes Forest Restoration Project to be implemented beginning in 2027.

E.N. Barton 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 R.J. Miller 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.

E.N. Barton of SRP left the meeting.

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 10:39 a.m.

John M. Felty
Corporate Secretary

Per- and Polyfluoroalkyl Substances (PFAS) Update

Water Committee Meeting

Robert Vertefeuille | October 22, 2024

Per- and Polyfluoroalkyl Substances (PFAS) Update

- Background on PFAS
- Federal Regulatory Developments
- State-Level Actions
- Future Regulatory Actions



Background

What are PFAS?

- PFAS = per- and polyfluoroalkyl substances
 - Widely used, long-lasting
 - Stable chemical bonds
 - More than 5,000 types of PFAS
 - Non-stick/water-resistant properties
 - Mobility and bioaccumulation

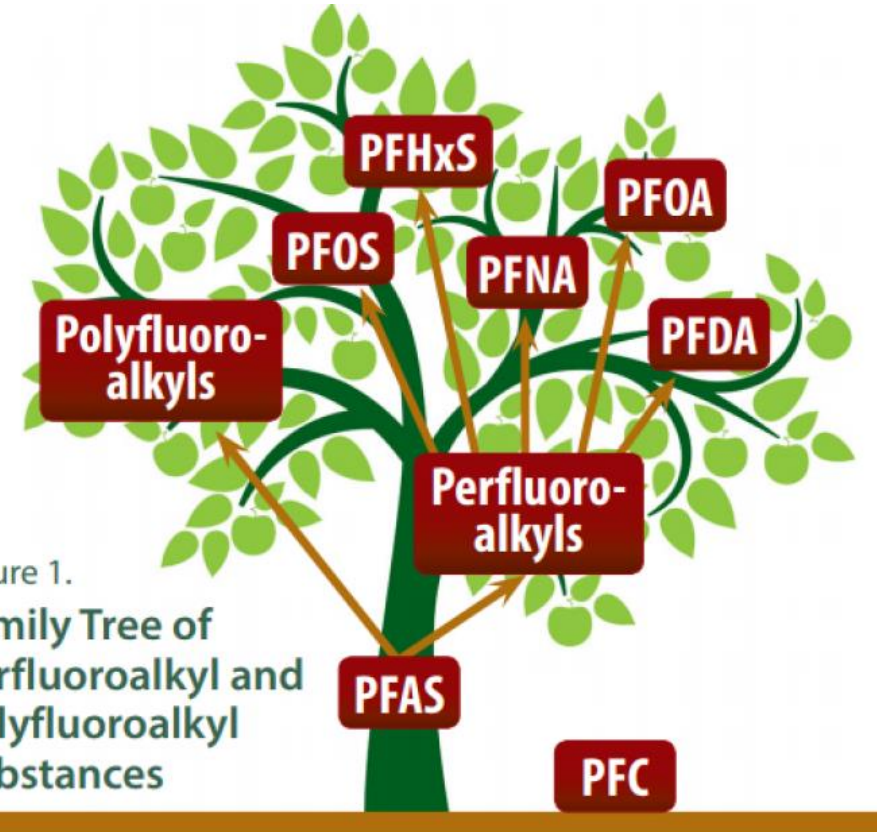


Figure 1.
Family Tree of
perfluoroalkyl and
polyfluoroalkyl
Substances

Source: Agency for Toxic Substances and Disease Registry

PFAS Can Be Found in Many Places

Fire
extinguishing
foam

Personal care
products

Household
products and
dust

Manufacturing
or chemical
production
facilities

Food (e.g., fish,
dairy products)

Food packaging

Drinking water

Soil/water near
waste sites

Biosolids

Source: U.S. EPA

EPA Research on PFAS

- **Health effects**
 - Exposure may be linked to harmful health effects
 - Most studies focused on limited number of PFAS compounds
- **Human exposure examples**
 - Consumer products
 - Industrial exposures
 - Contaminated drinking water

EPA PFAS Strategic Roadmap

Strategy: **Research, Restrict, Remediate**

Proposed Key Actions (2021-2024)

- Drinking water regulations
- Clean Water Act permitting
- Hazardous substance designation



**PFAS Strategic Roadmap:
EPA's Commitments to Action
2021-2024**



Federal Regulatory Developments

PFAS National Primary Drinking Water Regulation

- Final rule published April 26, 2024
- Individual MCLs for PFOA , PFOS, PFHxS, PFNA and HFPO-DA (GenX Chemicals)
- Hazard Index (HI) for any mixture containing two or more of PFNA, PFHxS, GenX Chemicals, and PFBS
- Monitoring, notification and treatment requirements for public water systems



Final Limits on PFAS in Drinking Water

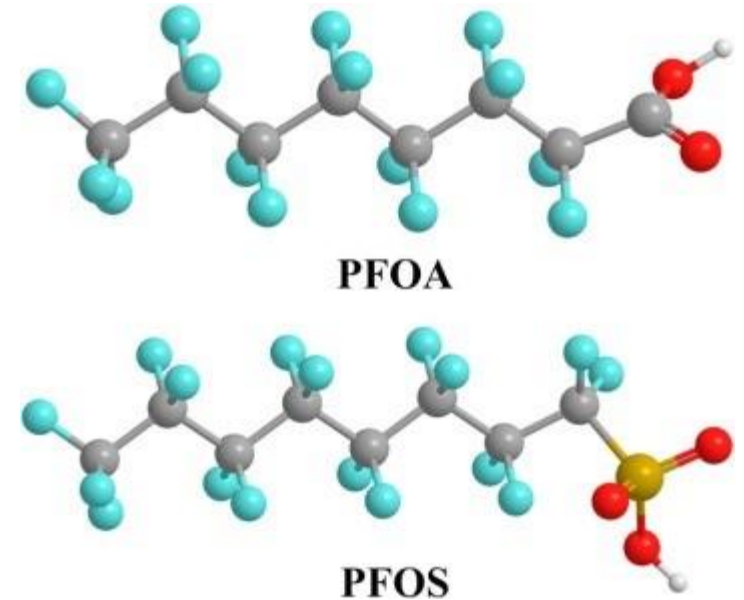
Compound	Final MCL (enforceable levels)
PFOA	4.0 parts per trillion (ppt)
PFOS	4.0 ppt
PFHxS	10 ppt
PFNA	10 ppt
HFPO-DA (GenX Chemicals)	10 ppt
Mixtures containing two or more of PFHxS, PFNA, HFPO- DA, and PFBS	1 (unitless) Hazard Index

Requirements for Drinking Water Systems

- By 2027, conduct initial monitoring for six PFAS chemicals
- By 2027, notify the public of the levels of regulated PFAS compounds in drinking water
- By 2029, reduce the levels of regulated PFAS in water system if they exceed the MCLs

PFAS Hazardous Substance Designation

- Final rule published May 8, 2024
- Applies to PFOA and PFOS
- Reporting requirements for releases of PFAS greater than one pound within a 24-hour period
- Allows EPA to recover remediation costs from those responsible for contamination



State-Level Actions

Assessment Monitoring of Drinking Water Systems for PFAS

- 2013-2015: EPA unregulated contaminant monitoring of public water systems
- 2018: ADEQ state-wide groundwater assessment monitoring
- 2022: ADEQ assessment of 1,200 small drinking water systems



PFAS Aquifer Water Quality Standards

- EPA Final Rule triggers ADEQ filing for aquifer water quality standard adoption



Future Regulatory Actions

Anticipated EPA Actions

- Updates to PFAS Strategic Roadmap
- Clean Water Act (CWA)
 - Additional surface water quality standards anticipated (2024-2025)
 - Wastewater discharge limitations for manufacturers, metal finishing/electroplating and landfills (Fall/Winter 2024)
 - Promulgation of analytical methods for CWA testing (Fall/Winter 2024)

thank you!

