

**CITIZENS' WATER ADVISORY COMMITTEE (CWAC)
Technical, Planning, and Policy Subcommittee**

Thursday, September 9, 2021, 12:00 p.m.



Virtual Meeting via MS
Teams

Legal Action Report and Meeting Minutes

1. Roll Call/Call to Order

The meeting was called to order at 12:02 p.m. by Chair Mitch Basefsky. Those present and absent were:

Present:

Mitch Basefsky (Chair)	Representative, City Manager
Mark Taylor	Representative, City Manager
Placido dos Santos	Representative, City Manager
Val Little	Representative, Ward 3

Not Present:

Mark Stratton	Representative, City Manager
Alison Jones	Representative, Ward 6

2. Announcements - None

3. Review & Approval of June 17, 2021, Legal Action Report and Meeting Minutes –

Member Dos Santos moved to approve the Legal Action Report and Meeting Minutes. Member Taylor duly seconded the motion. The motion and passed on a voice vote of 4 - 0.

4. Devine Reservoir Rehabilitation - The presentation was given by Alejandra Fraijo-Arce, HDR. Those items reviewed and discussed were:

a. Reservoir Data

- o Length: 373-feet in the direction of the axis of symmetry
- o Width: 414-feet at the widest section
- o Partially buried, trapezoidal-shaped, hopper bottom style reservoir – asphalt lined.
- o Roof system with two tiers
- o Inlet: 36-inch steel pipe with dispersion box and pad

- Outlet: 48-inch prestressed concrete cylinder pipe
- Service Zone: A-Zone
- b. Why Rehabilitation
 - Built-in 1977.
 - 2013 – Repairs on ridge caps of the metal roof. Corrosion on a structural member due to inadequate ventilation
 - January 2018 – March 2019: 9 leaks, two root intrusions, one root ball, and delamination of several patches and stress damage on many areas of the liner. (\$15k for underwater repairs annually to make sure liner didn't fail).
 - Compromised structural integrity and water tightness of Devine
 - Emergency repairs (24/7) wanted to avoid.
 - Higher diver's a fee/Shutdown of system
- c. Before Rehabilitation
- d. Challenges
- e. Scope of Work
 - Civil
 - 133,339 SF interior liner replaced
 - Ventilation & Disinfection system upgrades
 - Recoated inlet, outlet, overflow, column bases
 - Added identification markers on each column & repainted depth gauge
 - Structural
 - Replaced 39,000 SF of metal roof and 86,000 SF of exterior concrete roof's protective system
 - Additional ventilation work - new continuous ridge vents on the roof
 - New bracing between purlins, cleaned, repaired, recoated concrete spalls & corrosion areas on PCT/PCDTs & roof framing system
 - Repaired asphalt slopes/interior surface under the liner
 - I&C
 - Replacement of ultrasonic level transducer and float level switch
- f. Liner
- g. Inlet Structure
- h. Outlet Structure
- i. Access Hatches
- j. Depth Gauges & Markers
- k. Ventilation Upgrades
- l. Disinfection Upgrades
- m. Roofing System
- n. Asphalt Slope Repairs
 - Corrosion Repairs
- p. Walkways
- q. Summary

- Rehabilitation was completed safely & the work performed was done to a high quality.
- Reservoir in service *ahead* of the contracted date
- Exceptional communication within CM@R Team
- Many thanks to the Ashton Company, HDR Inc., and Eric Quarrel/Tucson Water Construction Section

No action was taken.

5. **One Water 2100 Technical Memorandum: Greenhouse Gas (GHG) - (Item 5 and 6 combined for a single discussion)** – Jamie Galayda, Lead Planner, Public Information and Conservation Office, Tucson Water, introduced both memorandums for review and comment. Those items reviewed and discussed were:

- a. Review One Water Approach
 - a. 2019 – 2020
- b. Stakeholder Engagement
 - a. Setting a foundation
 - b. Establish direction
 - c. Writing a plan for 2022
 - d. Implementation 2023
- c. Setting Foundation
 - a. Memorandum
 - b. Analysis
- d. Establish and Write
- e. Greenhouse Gas (GHG)
 - a. Appendix vs. 2018 Inventory and Background Supply
- f. Memorandum Climate Change Memorandum
 - a. Review comments & edits

Members were provided an opportunity to ask questions regarding the documents before reviewing the memorandums page by page. The committee was given two weeks to review and comment on each memo before the meeting. Comments were gathered and provided to Tucson Water staff for review during the meeting. No action was taken on the item.

6. **One Water 2100 Water Use Projections Technical Memorandum: Climate Change - (Item 5 and 6 combined for a single discussion)** – Jamie Galayda, Lead Planner, Public Information and Conservation Office, Tucson Water, led the discussion.
7. **Call to Audience** – None
8. **Future agenda items** – Review and discussion of pending items; additional items requested by members were added.
9. **Adjournment** – The meeting was adjourned at 1:12 p.m.

