

**PORA Water and Natural Resources Committees  
January 5, 2016 @ 9:30 a.m. Minutes**

**Attendees:** Rob Robbins/Chairman, Dave Hunter/Briarwood, J.B. Wyckoff, Howard Jones, James West and Frank Metzler/ EPCOR.

1. Introduction/ Welcome Rob Robbins  
2. Approval of the minutes of November 3, 2015 Rob Robbins

**Motion** by Dave Hunter: to approve November 3, 2015, was seconded and approved unanimously.

**3. Current Updates:**

**EPCOR:** Frank Metzler: 2015 recap:

**Water System**

- Flushed and serviced 1,100 hydrants (100%)
- Exercised 520 valves (20%)
- Dug a new well at SCW 1.3 (original well built in 1955) which will be placed online this spring.
- Inspected (dove) the water storage tanks at SCW 1 – 1.25 MGD each
- Replaced the walls at SC2.2 (Deer Valley and Mission)

**Wastewater System**

- Cleaned and inspected 40 miles of sewer line (20%)
- Major rehabilitation of 30 manholes
- Minor repairs, raising of 125 manholes
- Designed the new Bell Road Force Main
  - Installation this year and possibly into next year – 3.5 miles
- Purchased two new odor scrubbers for the Northwest Valley Water Reclamation Facility to replace original units
- Installed new energy efficient fine bubble diffusers in the digesters
- Refurbished the electrical system in the plant which was built in 1978

**Wastewater Rate Case Filing**

- Submit application to the Arizona Corporation Commission in late April
  - Consolidation
  - Full De-consolidation
  - Partial De-consolidation
- 30 day window for staff to determine sufficiency of application or request more information
- Procedural order will set the timeline, including window for intervention of interested parties

**Briarwood Golf course: Dave Hunter**

- Total water usage for 2015 was 7,271,000 thanks to Mother Nature adding rain. El Nino may help us out this coming year.
- We will continue to work on our infrastructure to improve efficiency as needed.

**6. New Business: none**

**7. Old Business:**

CASE - Conservative Alliance for Solar Energy. CASE is a 501 c3 - Charles Miller and Dru Bacon gave a presentation for CASE. Their purpose is to educate the public; For more information go to their website [www.azcase.org](http://www.azcase.org).

**Q: Howard Jones:** In EPCOR recharge area in the northwest valley, how do you measure what is really in the ground?

**A: Frank Metzger EPCOR:** We know how much water has been treated; we can measure with the flow meter as it goes out to the recharge basins. We have a permit with Arizona Department of Water Resources; they have setup an equation where they look at how much water you lose though evaporation transportation verses infiltration. We also have tests we do. In Sun City West most of our water is ground water, and a small portion that is CAP water.

Arizona has been doing things to prepare for possible drought conditions since 1980's. The Central Arizona Project (CAP) has been transferring Arizona's full allotment of water from the Colorado River and storing it underground since the 1990's. The CAP is the largest and most expensive aqueduct system ever constructed in the United States. CAP is managed and operated by the Central Arizona Water Conservation District (CAWCD).



*White Tanks Regional Water Treatment Facility*



*Central Arizona Project CAP water*



*Aquifer Recharge Basins in Arizona*



*A tour group watches reclaimed water from the 91st Avenue Wastewater Treatment Plant in Phoenix travel through giant water dispensers.*



*Located at the corner of 145th and Yosemite drives, Well 1.3 is an important part of the Sun City West system. One of the 10 wells, it's also one of the oldest wells -- it was originally drilled in 1939 at the start of World War II, making it more than 75 years old.*

*A replacement well is required to make sure that we are able to continue to provide the amount of water needed to satisfy the daily needs of our Sun City West customers.*

**Q: Rob Robbins:** Can the committee tour the waste water treatment facility?

**A: Frank Metzger EPCOR:** I would be happy to set that up with you.

8. Adjournment at 10:37 a.m.

9. Next Meeting: Tuesday March 1, 2016, at 9:30 A.M.