

CITIZENS' WATER ADVISORY COMMITTEE (CWAC)

Technical/Planning and Policy Subcommittee

Wednesday, March 25, 2015, 12:00 p.m.

Director's Conference Room

Tucson Water, 3rd Floor

310 W. Alameda Street, Tucson, Arizona



Summary Minutes

1. Roll Call/Call to Order

The meeting was called to order by Subcommittee Chair, Mark Murphy, at 11:59 a.m.
Those present and absent were:

Present:

Mark Murphy	Chairperson-Representative, Mayor
Mitch Basefsky	Representative, City Manager
Chuck Freitas	Representative, City Manager
Placido dos Santos	Representative, City Manager
Alan Tonelson	Representative, Ward 1

Absent:

Brian Wong	Representative, City Manager
Kelly Lee	Representative, Ward 6

Tucson Water Staff Present:

Wally Wilson	Chief Hydrologist
Fernando Molina	Water Program Supervisor
Daniel Quintanar	Project Manager
Kris LaFleur	Staff Assistant
Johanna Hernandez	Staff Assistant

Others Present:

Chris Avery	City of Tucson, Attorney's Office
Kelly Reynolds	University of Arizona
Jonathon Sexton	University of Arizona

- 2. Announcements** – Member Freitas provided a National Geographic article on disinfecting water in third world countries with the sun's energy.
- 3. Call to Audience** – No action taken.
- 4. Review & Approval of February 25, 2015 Legal Action Report and Meeting Minutes**
– Member Tonelson motioned to approve the Legal Action Report and Meeting Minutes of February 25, 2015. Member Freitas seconded. Motion passed unanimously by a voice vote of 5-0.
- 5. Research Update** – Dr. Kelly Reynolds and Dr. Jonathan Sexton provided a PowerPoint update on the status of various research projects the University of Arizona is working on in conjunction with Tucson Water.

Dr. Sexton reported on the validation of Endetec. Endetec is a semi-quantitative method for detecting E.coli and total chloroforms. Endetec results were compared to the Colilert detection method. Endetec results are available in 4-18 hours, are machine read, and are semi-quantitative. These were compared to Colilert results, which are available in 18-24 hours, are human read, and are non-quantitative. Research was able to validate the Endetec. This project is complete.

Dr. Reynolds reported on the Risk Assessment Project. Project analyzes data on the presence of fluoride in the water supply. Data reflects that fluoride concentrations vary across sampling points. Data is being analyzed to find trends and future work is aimed at identifying causes of variation for use in developing the model. This project is on-going.

Dr. Reynolds reported on a Smartphone application designed for detection of contaminants in the water supply. The application uses paper microfluidics and biosensors in the phone to monitor water quality. The method detection limits are very low, the application is field ready, and the results are available in real time (90 seconds to 10 minutes). As technology advances, the accuracy and effectiveness of the method are increasing. Several areas of advancement of this technology are being considered. This project is on-going.

6. **Inter AMA-Firming Update** – Tucson Water staff member Wally Wilson led a discussion on the status of the Tucson-Phoenix Inter-AMA Firming agreement. It was noted that Tucson Water, the City of Phoenix and Metro Water are continuing to work with CAP on a framework for the execution of the signed firming agreements between utilities. The framework would need to meet needs of the various parties involved. The parties are considering their options for moving forward and identifying possible solutions.
7. **Future Meetings/Agenda Items** – Members were requested to consider items they would like to address in future meetings. See projected agenda for further information.
8. **Adjournment** – Meeting adjourned at 1:16 p.m.