

MINUTES OF THE SAN ANTONIO WATER COMPANY
PLANNING, RESOURCES, and OPERATIONS COMMITTEE
April 20, 2011

An open meeting of the Planning, Resources, and Operations Committee (PROC) of the San Antonio Water Company (SAWCo) was called to order at 3:05 p.m. on the above date at the company office located at 139 N. Euclid Ave., Upland, California. Committee members present were Will Elliott, and Ken Willis. Also in attendance were General Manager Charles Moorrees, and Director Dr. Fred Gattas. Mr. Willis presided.

1. Recognitions & Presentations – None.
2. Additions-Deletions to the Agenda – None.
3. Public Comments – None.
4. Approval of Committee Meeting Minutes – Mr. Elliott moved and Dr. Gattas seconded to approve the meeting minutes of February 23, 2011 as presented.

It was later noticed that Dr. Gattas is not a representative on the PROC and therefore cannot move or approve at the PROC meetings. This item will need to go back to the committee for approval.

5. Planning & Operational Issues:

- A. Chino Basin Recharge Pipeline – Mr. Moorrees reported that SAWCo lost water in Basin 6 as a result of not being able to spread the water. The San Bernardino County Flood Control District (SBCFCD) had to drain the basin down to a certain elevation which caused more lost water. SAWCo coordinated with Inland Empire Utilities Agency (IEUA) and Chino Basin Watermaster to try and capture as much of the water being drained as possible into Turner Basin downstream. SBCFCD provided SAWCo with a calculation for every elevation of the basin and how many acre feet (AF) it contained. This allowed staff to calculate the amount of water that was discharged out of the Basin.

If SAWCo had the ability to divert this water directly into Chino Basin and via Upland Basin it would not have been lost. SAWCo could pump water from Cucamonga Basin wells up to the 20th Street booster line, which provides east and west distribution capabilities, and put it through an old West End waterline going south just west of Mountain Avenue to a storm drain that goes into Upland Basin where it would be metered to get credit in Chino Basin for water in Cucamonga Basin that is lost due to under production. This would take a “wheeling” agreement with the City of Upland. Upland Basin is in the Chino Basin. The well in the Six Basins can be utilized in the same manner.

Mr. Moorrees recommended that the Advisory Committee consider recommending a Capital Improvement Budget for a focused study to develop project alternatives and cost benefit analysis to enable SAWCo to recharge water into Chino Basin in the amount of \$50,000 to be completed in this calendar year from Capital Reserves.

Mr. Elliott moved to recommend the Board approve not more than \$50,000 of Capital Reserves to fund a focused study, cost benefit analysis, and complete the basin recharge pipeline.

This item will also be presented to the Administration and Finance Committee (AFC) for budget appropriation recommendations.

- B. Frankish & Stamm Tunnel Pipeline – Mr. Moorrees stated the Frankish & Stamm Tunnel alignment parallels Campus Avenue from 26th Street to 22nd Street. Because the bottom of the tunnel was not on solid bedrock most of the flows percolate into the ground; however, in wet winters and spring the tunnel produces flows. North of 21st Street and east of Campus Avenue at the entrance of the tunnel is a weir that over the last 5 years has measured an total of 1,643.169 acre feet (AF) of water. This water flows into Cucamonga Basin with no credit to SAWCo.

(Tom Thomas entered the meeting at 3:25 p.m.)

Mr. Moorrees proposed a focus study to determine cost benefit analysis for alternatives to:

1. Connection to 20th Street Booster line for flexible delivery options to irrigation shareholders:
 - o Delivery to Upland Basin for recharge and credit in Chino Basin.
 - o Delivery to Water Facilities Authority (WFA) for shareholders that are also members of the Joint Powers Authority (JPA). This would require water quality analysis.
 - o Delivery to SAWCo's Reservoir 1 site on 20th Street for delivery to irrigation shareholders.
 - o Deliver water to Six Basins for recharge (regarded as import water).
2. Deliver water to Holliday Rock.

Mr. Thomas questioned whether there was a possibility of getting credit for recharging in the Colonies Basin. Mr. Moorrees responded that it was definitely possible.

Mr. Thomas also questioned whether the Frankish & Stamm Tunnel had any water quality issues. Mr. Moorrees replied that SAWCo has taken some water quality samples of the tunnel and will again have to do so during the course of the focus study.

Mr. Elliott moved and Mr. Thomas seconded to recommend the Board approve a Capital Improvement Budget for a focused study to connect the Frankish & Stamm Tunnel to SAWCo's irrigation system in the amount of \$20,000 to be completed in the calendar year from Capital Reserves. Motion carried.

This item will also be presented to the Administration and Finance Committee (AFC) for budget appropriation recommendations.

- C. Proposed WFA Connection – Mr. Moorrees reported that this project was presented and approved last year but was deferred due to San Antonio Creek water quality issues but is now looking to move forward with the design. He stated that originally he was only counting on delivering surface water to WFA but in looking further he realized that with the 20th Street pipeline, SAWCo could pump water from Cucamonga Basin, Well 26, Well 27A, and the forthcoming Well 25A into the pipeline to WFA, as well as from the Frankish & Stamm Tunnel.

Dr. Gattas suggested bringing the item to the AFC to initiate the feasibility study for budget appropriation. The committee agreed.

- D. “Draft” Urban Water Management Plan – Mr. Moorrees reported that SAWCo had received its first “draft” of the UWMP. A copy will be sent to the committee members. Mr. Moorrees briefly reviewed the draft.

It was agreed that a workshop with the entire Board would be beneficial and if necessary an extension would be filed.

6. Planning & Operational Update -

A. Project Status Report

- o **Reservoir 6**– The kick off meeting for the reservoir project took place earlier in the day.

7. Basin Issues & Updates

- A. San Antonio Canyon Watershed – Mr. Moorrees brought to the attention of the San Bernardino County Building and Safety that they approved a permit on the premise that the applicant had water rights. Mr. Moorrees advised them that he has documentation proving to the contrary and inquired what they would do to rectify the situation. They advised to have SAWCo’s legal counsel speak with their legal counsel.

The United States (U.S.) Forest Service is willing to meter all the sources they receive water from but they are not in compliance with their permits to divert water. The cabins they provide water to have permanent residents and the permits for water diversion are to be used for recreational use only.

- B. Cucamonga Basin- Mr. Moorrees reiterated SAWCo’s concern with Wildermuth Environmental, Inc. (WEI) study and developed yield concept.

Mr. Thomas suggested having WEI give a PowerPoint presentation to both Boards simultaneously after the report is completed.

Mr. Moorrees reported that the Basin 6 valve has a total of 15 feet of dead storage.

- C. Six Basins – Nothing was discussed.

- D. Chino Basin – Nothing was discussed.

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8. Closed Session – None.

9. Committee's Comments and Future Agenda Items – None.

Adjournment – Due to no further business, the meeting was adjourned at 4:15 p.m.

Assistant Secretary
Charles Moorrees