

**MINUTES OF THE ENGINEERING COMMITTEE MEETING  
OF THE RAINBOW MUNICIPAL WATER DISTRICT  
APRIL 2, 2013**

1. **CALL TO ORDER** – The Engineering Committee Meeting of the Rainbow Municipal Water District on April 2, 2013 was called to order by Chairperson Saxon at 3:09 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Chairperson Saxon, presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

**Present:** Member Brazier  
Member Taufer  
Member Saxon  
Member Rhyne  
Member Prince  
Alternate Roth

**Absent:** Member Strapac and Member Fekete

**Also Present:** District Engineer Plonka, General Manager Brady, Assistant General Manager/District Engineer Bebee (FPUD), Operations Superintendent Walker, Water Operations/Customer Service Manager Atilano, and Assistant General Manager/Finance Manager Buckley

No members of the public were present.

4. **PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA**

There were no public comments.

**COMMITTEE ACTION ITEMS**

\*5. **APPROVAL OF MINUTES**

A. February 5, 2013

**Action:**

**Moved by Member Taufer to approve the minutes as written. Seconded by Member Brazier.**

**After consideration, the motion CARRIED by the following vote:**

**AYES:** Member Brazier, Member Taufer, Member Saxon, Member Prince and Alternate Rhyne.

**NOES:** None.

**ABSTAINED:** None.

**ABSENT:** Member Strapac and Member Fekete.

Moved to Agenda Item 10.

## **6. DISCUSSION AND POSSIBLE ACTION REGARDING CURRENT PROJECT STATUS UPDATE**

Ms. Plonka provided the following current project updates:

- Pala Mesa Tank: Nominated for a merit award by the American Society of Civil Engineers, San Diego Section. The designer was Infrastructure Engineering Corporation and the contractor was Gateway Pacific Contractors.
- Horse Creek Ridge (formally Campus Park): Plan to install recycle and sewer piping. Staff currently reviewing plans.
- Bonsall Fire Station: Staff currently reviewing plans.
- Waste Water Outfall: Currently under design by Tetra Tech. All the options would require complete closure of Old River Road, and as a result the Waste Water Outfall would have to be constructed in sections.
- Highway 76 Project: Most of the water pipeline has been installed except for the bridge. Once the bridge pipeline has been completed the developer should be able to connect to the pipeline.
- Morro Chloramination System: Currently completing the programming and testing on the system. The reservoir should be back on line within the next two weeks.
- Master Plans: Hydrant-flow testing required to calibrate the model.
- Water Policy: Collecting data from other districts to compare and prepare a functional District Water Policy.

## **7. DISCUSSION AND POSSIBLE ACTION REGARDING LIFT STATION NO. 2 UPDATE**

Ms. Plonka said the problem with the pumps should be resolved. A loose control wire was discovered. She said staff would continue to move forward with the warranty issues.

## **8. DISCUSSION AND POSSIBLE ACTION REGARDING WATER SUPPLY STUDY: RECYCLED WATER INFRASTRUCTURE & RAW WATER IN THE SOUTH ZONE**

Ms. Plonka said the reason for the feasibility study was to remove the District from the sole reliance of imported water. She mentioned there were various alternatives outlined in the study some of which the pay-back period was shorter and more cost effective and other alternatives were political. She pointed out the recycled water option as the direction for the District to head with the ability to use Bonsall Reservoir to store the water. She said there was a development in Valley Center which would affect their treatment plant which was located south of the Bonsall Reservoir. She said staff were looking into potentially taking recycled water from the Moosa Treatment Plant and distributing it through Aquaduct Road to serve various nurseries in the area.

Mr. Bebee said the reason recycled water was a better direction than raw water was the margin of savings from the CWA was not much and it would escalate at the same rate for the raw water treatment cost. He mentioned when the cost of the entire infrastructure was taken into account there would not be much savings to the rate payers. He pointed out the reason recycled water worked better was that the District pays to dispose of it through Oceanside and by recycling water the District would be able to provide long term discounted water. Ms. Brazier asked if the

recycled water could be used by the avocado growers. Mr. Bebee responded not without a demineralization system. Discussion ensued.

Ms. Plonka said currently the recycled water program was theoretical and they were still a few unknown details at this time. She asked the Committee Members to think of what concerns the District rate payers may have regarding this pilot project. Discussion ensued.

#### **9. DISCUSSION AND POSSIBLE ACTION REGARDING CIP PROCESS UPDATE**

Ms. Plonka provided a copy of the draft 2013-2014 CIP Summary Report as previously ranked, including new unranked work and work completed. She mentioned when the CIP Summary Report was first prepared a few years ago there was no funding for water projects, therefore work was focused on completing Wastewater Projects. She pointed out with the new loan and more money available for water projects it was determined to review the CIP Summary Report. She mentioned four new projects were added but not ranked. She said the District was able to eliminate approximately \$4M from the CIP list due to development. She asked the Committee Members if they would like to rank all the projects again and add the four new projects or whether they would prefer staff to rank the new projects. Mr. Saxon asked if there were any changes from the last time the projects were ranked. Ms. Plonka replied no. Discussion ensued.

Mr. Saxon said he agreed with the current ranks and did not see any benefit in changing the rankings. He asked if the other Committee Members agreed and they were all in agreement.

#### **10. DISCUSSION AND POSSIBLE ACTION REGARDING BECK RESERVOIR OPTIONS**

Ms. Plonka said the Board has decided to move forward with Beck Reservoir due to the approval of the SRF loan. She mentioned Mr. Bebee and her agreed that a written assessment report outlining what were the options and the costs for Beck Reservoir needed to be prepared. She said once the assessment was complete the District would be able to go forward with the project when funding became available.

Mr. Bebee said after reviewing various reports and talking to RMWD Staff for zone operations data regarding Beck Reservoir he was able to come up with 5 options as follows:

Option 1: Abandon the reservoir and build another storage facility.

Option 2: Fill the reservoir with raw water, which would require a large facility to treat it.

Option 3: Fill the reservoir with recycled water, which was a long distance to get the water to the reservoir and the water is not suitable for groves in the area.

Option 4: Cover the reservoir.

Option 5: Install a UV Treatment System.

Mr. Bebee said he would review each option to determine the pros and cons and prepare a recommendation to present to the Board. He said the deadline for the LT2 compliance has past which was why the reservoir was taken out of service. He pointed out there was a short amount of time available with CDPH allowing the installation of a UV Treatment Plant and once that time has passed the District would not be allowed to go forward with the UV treatment.

Ms. Plonka said the reservoir was physically separated but not completely emptied due to structural reasons. Mr. Bebee said even if the District decided to allow the limited storage without

the use of the reservoir; something still has to be done with the reservoir otherwise it would eventually become a nuisance. Discussion ensued.

**11. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING COMMITTEE MEETING**

There were no other agenda items suggested for the next Engineering Committee Meeting.

**12. ADJOURNMENT**

The meeting adjourned at 4:34 p.m.

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**Kurt Saxon, Committee Chairperson**

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**Dawn M. Washburn, Board Secretary**