

**MINUTES OF THE ENGINEERING SERVICES COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
APRIL 5, 2017**

1. **CALL TO ORDER** – The Engineering Services Committee Meeting of the Rainbow Municipal Water District on April 5, 2017 was called to order by Chairperson Prince at 3:00 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Chairperson Prince, presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

Present: Member Prince, Member Taufer, Member Kirby, Member Ratican, Member Robertson, Alternate Marnett.

Also Present: General Manager Kennedy, Engineering Manager Kirkpatrick, Associate Engineer Powers.

Absent: Member Stitle, Member Brazier.

Members of the public present: Mr. Erickson (RMC) and Mr. Goldman (Curran Co.)

4. **SEATING OF ALTERNATES**

Mr. Prince stated for the record that Mr. Marnett would be taking a voting seat.

5. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

There were no changes to the agenda.

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

There were no public comments.

COMMITTEE ACTION ITEMS

*7. **APPROVAL OF MINUTES**

A. March 1, 2017

Mr. Taufer pointed out there was a change to the last page. Mrs. Kirkpatrick acknowledged the change.

Motion:

Accept the March 1, 2017 minutes as revised.

Action: Approve, Moved by Member Robertson, Seconded by Alternate Marnett.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 6).

Ayes: Member Prince, Member Taufer, Member Kirby, Member Ratican, Member Robertson, Alternate Marnett.

8. DISCUSSION AND POSSIBLE ACTION REGARDING INDIRECT POTABLE REUSE PRELIMINARY EVALUATION

Mrs. Kirkpatrick introduced Mr. Erickson from RMC Water and Environment that would be discussing the progress of the Indirect Potable Reuse (IPR) Preliminary Evaluation project. Mr. Erickson explained the goal of the preliminary evaluation was to provide the District with an indication of whether IPR was feasible. He briefly summarized each alternative option, plus source of costs for the IPR as outlined in the presentation handout. He pointed out that the previous cost report was revised to capture wastewater costs. He mentioned the ground water model has to be updated to verify the feasibility of IPR in the Bonsall Basin. Discussion ensued.

Motion:

Recommend to the Board to pursue the ground water No IPR Project with the wastewater equalization system to the next steps of the study.

Action: Approve, Moved by Member Robertson, Seconded by Member Ratican.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 6).

Ayes: Member Prince, Member Taufer, Member Kirby, Member Ratican, Member Robertson, Alternate Marnett.

9. DISCUSSION AND POSSIBLE ACTION REGARDING LIFT STATION 1 CHANGE ORDER

Mrs. Kirkpatrick provided a copy of the proposal submitted by Kennedy/Jenks Consultants (KJC) for additional engineering services. She said the Lift Station 1 (LS1) Project has been divided into two parts LS1A and LS1B. She pointed out the pipeline design for LS1B has been completed, although the design for LS1A was placed on hold until a site for the lift station was found. She mentioned a lot for the lift station was approved for purchase at the January 2017 Board Meeting, which would enabled the completion of the LS1 Project. She referred to the KJC proposal stating it included full design for LS1A and some unfinished tasks for LS1B. Discussion ensued.

Motion:

Recommend to the Board to move forward with the change order for the Lift Station 1 Project.

Action: Approve, Moved by Member Kirby, Seconded by Member Robertson.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 6).

Ayes: Member Prince, Member Taufer, Member Kirby, Member Ratican, Member Robertson, Alternate Marnett

10. DISCUSSION AND POSSIBLE ACTION REGARDING CAPACITY FEES

Mr. Kennedy said he had concerns with the methodology used on the Asset Valuation Capacity Study developed by Willdan Financial, therefore Raftelis Consultants were hired to review the study. He said Raftelis agreed with some of the approaches of the study, although recommended

removing the debt from the water side of the asset valuation and instead adding the reserves. He continued Raftelis said not to base the capacity fees on the maximum sold, instead to use the average daily flow from 2015 and then calculate the daily gallons per EDU plus capacities to establish the capacity fees. He pointed out that this method of calculation was the most defensible.

Mr. Kennedy said the sewer side of the asset valuation methodology calculations were also adjusted for the total part of the buy-in component of the capacity fees. He pointed out the other component of the sewer side was the treatment, which currently does not require a fee. He said a fee for treatment would only be required when the next incremental user requires the District to purchase additional capacity from Oceanside. He explained the sewer expansion includes expenses for future facilities required to handle the capacity from new users. Discussion ensued.

Mr. Kennedy discussed proposed water meter size usage restrictions/categories, associated fees and enforcement.

Mr. Kennedy said Raftelis' final Capacity Fee Report would be brought to the next Engineering Committee Meeting in May 2017 for review/recommendation to the Board and then released for public comment. He anticipates adoption of the Capacity Fees in June 2017.

11. CONTRACTOR'S COURTESY LIST

Mr. Kennedy said the District receives frequent customer requests for names of contractors. He finds it challenging to provide names of contractors without possible litigation issues. He opened the discussion to solicit the committee member's opinions.

Mr. Prince does not approve using the list, although recommended placing information on the District's Newsletter regarding how to hire a contractor.

Mr. Robertson does not approve using the list, although suggested verifying with the District's legal counsel.

Mr. Kirby, Mr. Radican and Mr. Marnett approved using the list.

Mr. Taufer does not approve using the list.

Mr. Kennedy summarized the following two options:

Opt. 1: Provide a list with clear definitions on the criteria to add or remove contractors on the list.

Opt. 2: Not provide a list. Provide a document with instructions on how to find a contractor.

Mr. Robertson left at 5:02 p.m.

12. PUMP STATION #1 UPDATE

Mr. Powers provided a brief summary of the contract scope of services for the Pump Station 1 Project as follows:

- Replace the natural gas motors with electrical motors.
- Move all the electrical equipment inside the building.
- Add flow meters to the pumps.
- Enclose all four pumps within one building.

He said the 30% design submittal has been received and the 60% should be ready within the week. He shared a diagram of the proposed new building that would enclose all four pumps. He mentioned a plan to install security cameras outside the building, in addition to securing a separate enclosure for the generator outside the main building. Discussion ensued.

13. DISCUSSION AND POSSIBLE ACTION SDCWA SHUTDOWN PUMP STATIONS DESIGN

Mr. Powers said the District was considering installing permanent pump stations to replace two temporary pump stations on Moosa Canyon Road and West Lilac/Via Ararat. He said the possible action was whether to recommend to the Board to go forward with contracting out Dudek to design the installation of two permanent Pump Stations. He explained during SDCWA shutdowns the District was required to lease two pump stations in order to pump water into the Turner and Hutton Tanks, which feed the waterlines in these areas. Mr. Kennedy mentioned the SDCWA conducts shutdowns once or twice a year for a period of 10 days.

Mr. Powers went over the cost comparisons as follows:

Location	Lease Equipment		Purchase Equipment	
Moosa Canyon Road	\$22,000	Lease	\$333,000	Pump Station
	\$3,000	Labor*	\$100,000	Installation
West Lilac/Via Ararat (Line P)	\$27,000	Lease	\$300,000	Pump Station
	\$2,600	Labor*	\$100,000	Installation
	---	---	\$84,900	Electrical/Structural Eng.
	\$54,600 Total		\$926,000 Total	

*RMWD unburden rates.

Mr. Kennedy noted that the above leasing costs were for one relatively inexpensive shutdown. He pointed out in previous years when there were two shutdowns the costs were almost a quarter of a million dollars. Mrs. Kirkpatrick added that the costs also depended on the water demand and the amount of fuel used. Mr. Powers said based on the leasing costs for the one shutdown the payback for purchasing the equipment would take approximately 13 years. Mr. Kennedy explained that this was a very conservative estimate based on a minimal leasing cost and whether it was 10 or 13 years for the payback the District would essentially be required to prepare for an indefinite amount of shutdowns. He stated the shutdowns would be consistent year after year and recommending to the Board to maintain the District's quality of service would be appropriate. Discussion ensued.

Mr. Kennedy said the goal was to have the pump stations installed by January 2018 for the next scheduled SDCWA shutdown. He mentioned EFI Manufacturing was selected as the best out of the various proposed contractors. He said EFI provides the pump stations packaged in a protective building. Discussion ensued.

Motion:

Recommend to the Board to approve the design of two permanent pump stations.

Action: Approve, Moved by Member Kirby, Seconded by Member Ratican.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Member Prince, Member Taufer, Member Kirby, Member Ratican, Alternate Marnett.

14. AMI AND METER TESTING UPDATE

Mr. Kennedy said the meter testing was completed, although the data was in the process of being compiled. He pointed out the smaller meters tested out better than the larger meters as anticipated. He mentioned contract negotiations with AMI were still in the process. He said the testing data would be available for the next committee meeting. Discussion ensued.

15. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING SERVICES COMMITTEE MEETING

The following items were suggested for the next scheduled Engineering Committee Meeting:

- Capacity Fees
- Meter Testing Update
- Moosa Crest Creek Update

16. ADJOURNMENT

Motion:

To adjourn the meeting.

Action: Adjourn, Moved by Member Prince, Seconded by Member Ratican.

Vote: Motion carried by unanimous roll call vote (summary: Ayes = 5).

Ayes: Member Prince, Member Taufer, Member Kirby, Member Ratican, Alternate Marnett.

Timothy Prince, Committee Chairperson

Dawn M. Washburn, Board Secretary