

**MINUTES OF THE ENGINEERING SERVICES COMMITTEE MEETING  
OF THE RAINBOW MUNICIPAL WATER DISTRICT  
DECEMBER 7, 2016**

1. **CALL TO ORDER** – The Engineering Services Committee Meeting of the Rainbow Municipal Water District on December 7, 2016 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 Brazier, Member Kirby, Member Ratican, Alternate Marnett.

**Also Present:** General Manager Kennedy, Engineering Manager Kirkpatrick, Associate Engineer Powers, Human Resources Manager Harp, Engineering Technician Rubio.

**Absent:** Member Stitle, Member Murray, Alternate Robertson.

**Members of the public present:** Mr. Stiber (Linkus Inc.) and one public member (SDG&E).

4. **SEATING OF ALTERNATES**

Mr. Kennedy 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 additions/deletions/amendments 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. November 2, 2016

**Motion:**

**Accept the minutes.**

**Action: Approve, Moved by Member Brazier, Seconded by Member Prince.**

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

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

**8. DISCUSSION AND POSSIBLE ACTION TO APPOINT 2017 COMMITTEE OFFICERS**

Mr. Prince requested deferring the discussion to appoint 2017 committee officers to next month's committee meeting.

**9. DISCUSSION AND POSSIBLE ACTION REGARDING WATER INFRASTRUCTURE AND SYSTEM EFFICIENCY PROGRAM (WISE)**

Mrs. Kirkpatrick introduced Mr. Stiber from Linkus Incorporated who would provide a presentation on the WISE Program and discuss the results of the recently completed high level audit. Mr. Kennedy mentioned the program was funded through SDG&E.

Mr. Stiber said the WISE Program provides energy and engineering solutions. He pointed out WISE targets the major water-energy users in SDG&E's service territory, namely water agencies, special districts, and city owned water systems to provide incentives and savings. He mentioned WISE focuses on all the major electric consumers such as source water pumping, water treatment plants, water distribution systems and wastewater treatment plants.

Mr. Stiber discussed the WISE Program phased approach as follows:

Phase 1: High level assessment to identify any potential measures to provide a high level economic and engineering analyses to show the potential for different measures.

Phase 2: Detailed assessment more rigorous engineering analysis plus full economic analysis to produce a project feasibility study.

Phase 3: Implementation support through verification of savings allowing the utility to obtain the incentive money.

Mr. Stiber discussed the District's Phase 1 results and recommendations. He said the potential for improvements were based on actual pump test data from the District. He noted the causes for pump inefficiencies vary where the pump could be off on the curve or there could be an equipment problem. Mr. Kennedy asked how the savings amount would be calculated if the problem has not been identified. Mr. Stiber responded by evaluating the operational conditions and pump tests. Discussion ensued.

Mr. Stiber stated the recommendation would be to perform pump upgrades to improve efficiencies up to 72%. He also said energy savings were also based on increasing hours of operation for pumps with lower energy intensity and decreasing hours of operation for pumps with high energy intensity to match demands.

Mr. Stiber said the next step would be to go forward with Phase 2 to perform a more rigorous analysis and prepare a project feasibility report. Discussion ensued.

Mr. Kirby requested an explanation of the District's costs compared to the savings. Mr. Kennedy responded based on the pump efficiency improvements of approximately \$250M the District would save approximately \$50K a year, although many factors need to be considered first. Discussion ensued.

Mr. Stiber stated the Phase 2 request form would need to be completed in order to go forward. Mrs. Kirkpatrick asked the engineering committee for a vote on whether to approve a recommendation to go forward with Phase 2 of the WISE Program. She noted it would be at no cost to the District.

**Motion: Recommend to approve Phase 2 of the WISE Program.**

**Action: Approve, Moved by Member Prince, Seconded by Member Kirby.**

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

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

## **10. CAPACITY FEE UPDATE**

Mr. Kennedy went over the draft Water and Sewer Capacity Fee Study. He summarized the basic methodologies to calculate cost-based capacity fees. He mentioned the current water meter fees and water service connections by customer class for FY2016 was 7,250 connections. He pointed out the usage by customer (specifically the agriculture customer) used a lot more water for a given size meter than a residential customer, therefore the agriculture customer has been allocated a much higher EDU/Capacity fee. Discussion ensued.

Mr. Kennedy said part of the process of the capacity fee study would include the system cost study and audit updates of the District's system costs to accurately demonstrate the total asset value. He mentioned the consultant has ensured the basic methodologies used to calculate cost-based capacity fees were compliant with state laws and statutes. Discussion ensued.

Mr. Kennedy stated the proposed sewer capacity fees would be based on the living area square foot instead of the existing fees based per bedroom. Discussion ensued.

Mr. Kennedy invited feedback on the draft water and sewer capacity fee report.

## **11. AUTOMATIC METERING INFRASTRUCTURE (AMI) UPDATE**

Mr. Kennedy said the District has completed the agreement with SDG&E for the Automatic Metering Infrastructure system. He stated the agreement with Itron has not been completed due to warranty issues, although a meeting has been scheduled to resolve the issues. He said SDG&E has been testing the meters at their test facility to ensure quality products prior to system integration. Discussion ensued.

## **12. INTRODUCTION OF EXCELLENCE COIN PROGRAM**

Mrs. Harp announced the Operations Manager brought the concept of the Excellence Coin Program to the District. She explained the excellence coin is a tangible symbol of what we are committed to as members of the District. She described the coin's outer edge has the mission statement, one side has the strategic focus areas, and the other side has a map of the District as well as the core values identified. Mrs. Kirkpatrick thanked the Engineering Committee members for all the time and effort they donate to the committee. She presented a coin to each member. Discussion ensued.

## **13. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING SERVICES COMMITTEE MEETING**

The following items were suggested for next month:

- Appoint 2017 Committee Officers.
- Water & Sewer Capacity Fee Study Update.
- AMI Update.
- SLRGW Study – West Yost.

**14. ADJOURNMENT**

The meeting adjourned at 5:11 p.m.

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**Timothy Prince, Committee Chairperson**

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**Dawn M. Washburn, Board Secretary**