

**MINUTES OF THE ENGINEERING SERVICES COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
OCTOBER 4, 2017**

1. **CALL TO ORDER** – The Engineering Services Committee Meeting of the Rainbow Municipal Water District on October 4, 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 Stittle, Member Taufer, Member Brazier, Member Ratican, Member Robertson, Member Marnett, Alternate Mr. Nelson.

Also Present: General Manager Kennedy, Associate Engineer Powers, Engineering Technician Rubio, Mr. Ken Gerdes.

Absent: Alternate Kirby.

There was one public member present: Mr. Spencer (HDR, Inc.)

4. **SEATING OF ALTERNATES**

There were no seating of alternates.

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

There were no changes.

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

There were no public comments.

COMMITTEE ACTION ITEMS

*7. **APPROVAL OF MINUTES**

A. September 6, 2017

Motion: Accept the minutes as corrected.

Action: Approve, Moved by Member Brazier, Seconded by Member Stittle.

Vote: Motion passed unanimously.

Ayes: Member Prince, Member Stittle, Member Taufer, Member Brazier, Member Ratican, Member Robertson, Member Marnett.

8. HDR CONDITION ASSESSMENT PRESENTATION

Mr. Kennedy introduced Mr. Spencer from HDR, Inc. that would provide a presentation regarding the condition assessment of the District's water pipelines. Mr. Spencer said one of the main emphases at this time was to determine what the future investment level should be for repair and replacement in the District's water pipeline system. He mentioned if all the water main infrastructure was replaced today the cost would be \$400M and it would still have a finite life needing to be replaced. He pointed out age alone was not a good indicator of condition, therefore regarding this project the bases of approach would be focused on performance and condition. He said in order to achieve the goal of this project to cost effectively sustain the desired service levels, the following four primary objectives would have to be completed:

1. Collecting the right data: Identify what type of data to collect.
2. Determining the appropriate reinvestment level: How much pipe should be replaced currently.
3. Focusing those investments to get the most benefit for the rate payer.
4. Develop a staff owned program, not a static project: Provide the tools for staff to make better decisions by applying prudent, transparent, and reproducible methods to estimate how various funding levels would impact future service levels.

Mr. Spencer said the District had 20 years of paper data regarding pipeline breaks. He continued after analyzing the data and plotting the breaks on GIS it was possible to calculate probable breaks forecasted for the next 25 years. He noted as a pipe experiences more breaks, the duration until the next break becomes shorter. Mr. Kennedy mentioned the breaks only included mainline and not laterals, hydrants or other system valves. Discussion ensued.

Mr. Spencer went through the model explaining investment scenarios and assumptions, such as replacement of two miles per year starting in 2020. He said the assumptions could be modified to increase or decrease pipeline replacement, so the District could define the correct balance between investment and service level. Discussion ensued.

9. AMI UPDATE

Mr. Kennedy said he received pricing for the installation of the first 300 meters at \$100 per meter. He mentioned three pilot areas have been selected based on the worst radio reception area. He said the parameters would be set by the District for water use and monitoring. He pointed out this was an investment that would benefit the customers. Discussion ensued.

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

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

- AMI Update
- Field trip to the new bridge and pipeline at Moosa Crest.

11. ADJOURNMENT

The meeting adjourned at 5:00 p.m.

Timothy Prince, Committee Chairperson

Dawn M. Washburn, Board Secretary