



ENGINEERING SERVICES COMMITTEE MEETING

RAINBOW MUNICIPAL WATER DISTRICT
Wednesday, September 6, 2017
Engineering Services Committee Meeting - Time: 3:00 p.m.

District Office	3707 Old Highway 395	Fallbrook, CA 92028
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Notice is hereby given that the Engineering Services Committee will be holding a regular meeting beginning at 3:00 p.m. on Wednesday, September 6, 2017.

AGENDA

- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**
- 3. ROLL CALL: Timothy Prince (Chair)_____ Harry Stitle _____ (Vice Chair)**

Members: Tom Taufer _____ Helene Brazier _____
Robert Marnett _____ Mick Ratican _____
John Robertson Jr. _____

Alternates: Lee Kirby _____
- 4. SEATING OF ALTERNATES**
- 5. ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**
- 6. PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA**

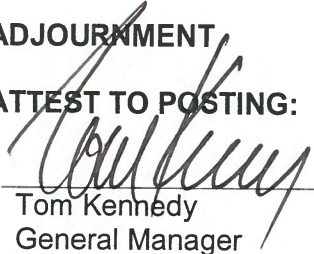
COMMITTEE ACTION ITEMS

- *7. APPROVAL OF MINUTES**
A. August 2, 2017
- 8. MOOSA CREEK UPDATE FROM TORY WALKER ENGINEERING**
- 9. WALSH & ARCHER WESTER COMPANY PRESENTATION**
- 10. WATER POLICY**
- 11. AMI UPDATE**
- 12. DISCUSSION AND POSSIBLE ACTION REGARDING MEMBERSHIP**

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

14. ADJOURNMENT

ATTEST TO POSTING:



Tom Kennedy
General Manager
For
Hayden Hamilton
Secretary of the Board

9/5/17 @ 10:41 A.M.

Date and Time of Posting
Outside Display Cases

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**MINUTES OF THE ENGINEERING SERVICES COMMITTEE MEETING
OF THE RAINBOW MUNICIPAL WATER DISTRICT
AUGUST 2, 2017**

1. **CALL TO ORDER** – The Engineering Services Committee Meeting of the Rainbow Municipal Water District on August 2, 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 Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

Also Present: Engineering Manager Kirkpatrick, Associate Engineer Powers, Eng. Tech. Rubio

Absent: Member Brazier and Alternate Kirby.

There was one public member present: Mr. Rick Kennedy (IEC).

4. **SEATING OF ALTERNATES**

There were no seating of alternates.

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

Mrs. Kirkpatrick requested revising Agenda Item 8 to “Discussion and Possible Action of Weese Interconnect”.

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

There were no public comments.

COMMITTEE ACTION ITEMS

*7. **APPROVAL OF MINUTES**

A. July 5, 2017

Motion: Accept the minutes as written.

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

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

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

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Mrs. Kirkpatrick introduced Rick Kennedy from IEC that would be providing an update on the Weese Interconnect Project. Rick Kennedy said the primary goal was to obtain water from the Weese Water Filtration Plant to provide temporary water during SDCWA aqueduct shutdowns and to provide another source of water and the secondary goal would be to provide a permanent pump station to facilitate receiving the water from Oceanside for other times. He pointed out the potential savings of \$135,000+ per year with Oceanside's reclaim water program making more water available. He went over possible locations of the interconnection and pump station. He said the available water during non-summer months (November-April) was estimated at 1,500 AF per year, which comprised about 80% of the District's demand in that part of the District's zone over the same period of time. Discussion ensued.

Rick Kennedy discussed the following pump station configuration alternatives:

- Alternative 1: District's Pump Skid with Minor Modifications
- Alternative 2: Repackage District's Pump Skid – Six Pumps
- Alternative 3: New Pre-engineered Pump Station – Three Pump Configuration

Rick Kennedy said after evaluating the three alternatives, Alternative 1 was selected per the following advantages:

- Lowest Cost - \$620,000 versus \$900,000
- ROI is 22% versus 15%
- Payback is 4.6 years versus 6.7 years
- \$280,000 capital savings outweighs O&M issues, including replacing motors and VFDs

Motion: Recommend selection of Alternative 1 to the Board.

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

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

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

9. UPDATE ON AMI

Mrs. Kirkpatrick said the AMI data has shown numerous failures with the meter data. Mr. Powers said the data was being read although the data collector technology was unable to keep up with the data. He said SDG&E was in the process of working through the issues. Discussion ensued.

10. DISCUSSION AND POSSIBLE ACTION ON WATER AND SEWER POLICY REVISIONS

Mrs. Kirkpatrick provided a copy of the final draft sewer policy for review and discussion. She provided a summary of the revisions as follows:

- Distinction was made between a sewer connection application and a permit. The customer has two years to connect starting from the application date, if no connection is made the application expires and the District will refund the applicant, less administrative fees.
- The sewer permit becomes effective only when the sewer applicant connects.

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- The sewer application shall not expire and need not be renewed if prior to the expiration of its term, a building permit has been issued by the County of San Diego. In this case the District's application shall expire upon the expiration of the building permit.

Mr. Radican referenced Section 9.05.060 Septic Tank Conversion and recommended removing the section since the District does not regulate septic tanks. Mrs. Kirkpatrick mentioned the section was there for customers requesting to abandon their septic tanks and submitting a sewer application to connect to the District's sewer system. She suggested adding language to this section to follow County of San Diego regulations. Discussion ensued.

- Project Commitments - prior to the District committing to subdivisions the applicant must pay 50% of the connection fees at the time of commitment and the fees were non-refundable.

Mrs. Kirkpatrick said she would bring the Water Policy revisions regarding refunds and term limits at the next committee meeting.

Motion: Recommend approval of the final draft sewer policy.

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

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

Ayes: Member Prince, Member Stitle, Member Taufer, Member Ratican, Member Robertson, Member Marnett.

11. CAPITAL IMPROVEMENT PROGRAM UPDATE

Mrs. Kirkpatrick provided a copy of the approved CIP Budget and briefly went over the following items:

- Gird/Monserate: 90% design completed.
- San Luis Rey: RFP is out and due at the end of August 2017, going forward with the next steps, i.e drilling wells, basin modeling, wells, etc.
- Knottwood Waterline: Construction starts August 8, 2017.
- Pump Station1: 90% design completed.
- Conditions Assessment: Under design.
- Monitoring Program: Planning stages.
- Morro Tank: Conducting studies.
- Isolation Valve: Adding more valves to the District's system.
- Highway 76: Wrapping up taking care of punch list items.
- Lift Station 1: Under design.
- Sewer System Flow Monitoring: Planning on adding more flow monitors.

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12. CONDITION ASSESSMENT UPDATE

Mrs. Kirkpatrick said there was a kick off meeting with the consultant and Operations Department to go over the condition of the water pipes. She provided a graph showing the age of the pipelines. She pointed out that a lot of the failures were not just due to the age of the pipe, but also due to the contractor's workmanship on the joints. She said the consultant was also identifying specific contractors' repair work. She mentioned the consultant would be providing a presentation around October 2017 when additional data was collected. Discussion ensued.

13. 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:

- Water Policy Update
- AMI

14. ADJOURNMENT

The meeting adjourned at 4:41 p.m.

Timothy Prince, Committee Chairperson

Dawn M. Washburn, Board Secretary