

**MINUTES OF MEETING OF THE RESOURCE RELIABILITY AND OPERATIONAL EFFICIENCY COMMITTEE OF THE PALMDALE WATER DISTRICT, OCTOBER 8, 2019:**

*A meeting of the Resource Reliability and Operational Efficiency Committee of the Palmdale Water District was held Tuesday, October 8, 2019, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Mac Laren called the meeting to order at 3:00 p.m.*

**1) Roll Call.**

**Attendance:**

Committee:

Kathy Mac Laren, Chair

Don Wilson, Alt. Committee  
Member

**Others Present:**

Dennis LaMoreaux, General Manager

Adam Ly, Assistant General Manager

Mike Williams, Finance Manager

Judy Shay, Public Affairs Director

Peter Thompson II, Resource & Analytics Director

Scott Rogers, Engineering/Grant Manager

Peter Thompson, Project Manager

Dawn Deans, Executive Assistant

0 members of the public

**2) Adoption of Agenda.**

It was moved by Alt. Committee Member Wilson, seconded by Chair Mac Laren, and unanimously carried by all members of the Committee present at the meeting to adopt the agenda, as written.

**3) Public Comments.**

There were no public comments.

**4) Action Items: (The Public Shall Have an Opportunity to Comment on Any Action Item as Each Item is Considered by the Committee Prior to Action Being Taken.)**

**4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held August 6, 2019.**

It was moved by Alt. Committee Member Wilson, seconded by Chair Mac Laren, and unanimously carried by all members of the Committee present at the meeting to

approve the minutes of the Resource Reliability and Operational Efficiency Committee meeting held August 6, 2019, as written.

**4.2) Discussion of Water Supply Strategy for Dry Year(s). (Resource and Analytics Director Thompson II)**

Resource and Analytics Director Thompson II stated that the District has developed a 15 and 15 Plan to ensure three years of water supply in the event of a consecutive three-year drought; that this plan includes 15,000 acre feet of ground water storage in excess of the District's production rights, and in 2020, the District will have close to 10,000 acre feet of excess ground water storage towards this 15,000 acre foot goal; that the Plan also includes a goal of building 15,000 acre feet of surface water through the State Water Project to supplement with during a three-year consecutive drought, and supplements have been secured through a 2-for-1 Exchange Agreement.

**4.3) Discussion and Identification of Projects Included in the 2019 Water Rate Study as Part of the Reinvestment Back into the District's Infrastructure. (Assistant General Manager Ly)**

Assistant General Manager Ly stated that the capital improvement projects included in the 2019 Rate Study have been divided by category and total \$30 million; that these projects were summarized in the Water Revenue Rate Workshop; and then reviewed in detail each of the projects.

It was stated that all projects included in the 2019 Water Rate Study are required for current system needs and to maintain operations; that the public's perception is that no projects are needed; that the projects also include all projects deferred due to lack of funding for the past five-plus years; that bonds will be secured in 2021; and that projects prior to that will be funded through water rate revenue.

The District's plan to ensure water delivery during potential power outages was then discussed.

**5) Information Items.**

**5.1) Status of 2019 State Water Project Allocation Use. (Resource and Analytics Director Thompson II)**

Resource and Analytics Director Thompson II stated that the District's total surface water supply for 2019 is 24,000 acre feet, which is more than 2019 demand; that this amount includes the District's State Water Project 75% allocation for 2019 and 7,500 acre feet of water through the continuing Agreement with Butte County; and that excess water went towards the Big Rock Creek Recharge Project through the Antelope Valley State Water Contractors Association and towards a 2-for-1 Exchange Agreement through Kern County's Semi-Tropic Water Bank followed by a review of this water bank, its location, how it operates with the Antelope Valley adjudicated basin, and water losses through carry-over water.

**5.2) Status on Littlerock Reservoir Sediment Removal Project. (Project Manager Thompson)**

A model for the grade control structure at Littlerock Reservoir was reviewed after which Project Manager Thompson stated that the contractor for this project has resumed construction; that the placement of roller-compacted concrete began September 18 and is 43% complete; that concrete continues to be placed at night with grading and preparation work performed during the day with an expected completion date of early December; and that removal of the sediment from Littlerock Reservoir will be performed annually for the next twelve years September through January, depending on weather, to restore the capacity of the Reservoir to 1992 levels.

**5.3) Status on the Upper Amargosa Recharge Project. (General Manager LaMoreaux)**

General Manager LaMoreaux stated that this project is a few months from completion; that a ribbon-cutting ceremony will be scheduled to celebrate the completion; that the District's financial share of the project has increased from \$1.25 million to \$1.6 million due to extra project costs; that these additional costs have been included in the 2019 Water Rate Study; and that the District's anticipated recharge amount is 1,300 to 1,600 acre feet of water per year with the water withdrawn from the District's north well field.

Resource and Analytics Director Thompson II then stated that costs will be saved on this project by the District and AVEK performing ground water level and water quality testing.

**5.4) Status on Palmdale Regional Groundwater Recharge and Recovery Project. (Engineering/Grant Manager Rogers)**

Engineering/Grant Manager Rogers stated that the City of Palmdale, on their and the District's behalf, is submitting a grant through the Antelope Valley Integrated Regional Water Management Group for the phase 1 pipeline to bring the Sanitation District's recycled water line to the recharge basin for this Project; that the deadline for submission is October 28; and that the specifications for completion of a pilot well for the project are being developed.

General Manager LaMoreaux then provided an overview of the seasonal storage ponds for the Sanitation District, where their pipelines are located, how agricultural contractors use this tertiary recycled water, which meets most drinking water standards, the proposed travel time of this water to the aquifer, and how other farmers are using recycled water as the Sanitation Districts' method of disposal.

**5.5) Other.**

General Manager LaMoreaux distributed a checklist of the Committee's goals, which can be reviewed at the next Committee meeting.

**6) Board Members' Requests for Future Agenda Items.**

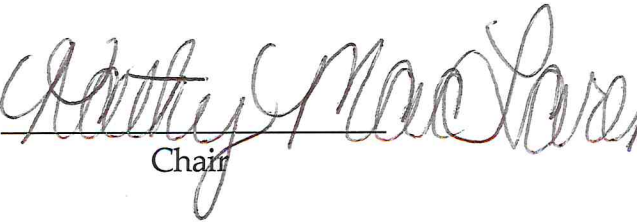
There were no requests for future agenda items.

**7) Date of Next Committee Meeting.**

It was determined that the next Resource Reliability and Operational Efficiency Committee meeting will be held early December 2019.

**8) Adjournment.**

There being no further business to come before the Resource Reliability and Operational Efficiency Committee, the meeting was adjourned at 4:45 p.m.

  
Chair