



**PALMDALE WATER DISTRICT**  
A CENTURY OF SERVICE

February 5, 2025

**BOARD OF DIRECTORS**

**W. SCOTT KELLERMAN**  
Division 1

**DON WILSON**  
Division 2

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Division 3

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Division 4

**VINCENT DINO**  
Division 5

**AGENDA FOR A MEETING  
OF THE RESOURCE AND FACILITIES COMMITTEE  
OF THE PALMDALE WATER DISTRICT  
TO BE HELD AT 2029 EAST AVENUE Q, PALMDALE  
Committee Members: Vincent Dino-Chair, Cynthia Sanchez**

**THURSDAY, FEBRUARY 13, 2025  
4:00 p.m.**

**DENNIS D. LaMOREAUX**  
General Manager

**ALESHIRE & WYNDER LLP**  
Attorneys

***NOTE:*** To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Danielle Henry at 661-947-4111 x1059 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale or on the District's website at <https://www.palmdalewater.org/governance/committee-activity/2025-committee-agendas-and-minutes/> (Government Code Section 54957.5). Please call Danielle Henry at 661-947-4111 x1059 for public review of materials.


***PUBLIC COMMENT GUIDELINES:*** The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to conduct its meeting will not be permitted, and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

- 1) Roll call.
- 2) Adoption of agenda.
- 3) Public comments for non-agenda items.
- 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 November 5, 2024.
- 4.2) Consideration on a Recommendation to Approve a Contract with Pump Check, Inc. for the 2025 Booster and Well Pump Efficiency Testing. (\$18,375.00 – Non-Budgeted – Facilities Manager Wall)
- 5) Reports.
  - 5.1) Facilities Manager Wall:
    - a) Department Update.
    - b) Tesla Battery Systems.
    - c) Advance Clean Fleet Compliance Program.
  - 5.2) Resource and Analytics Director Bolanos:
    - a) Department Update.
  - 5.3) Engineering General Manager Bader:
    - a) Department Update.
    - b) Littlerock Dam Sediment Removal.
    - c) Palmdale Ditch Conversion.
    - d) Pure Water AV Demonstration Facility.
- 6) Board Members' Requests for Future Agenda Items.
- 7) Date of Next Committee Meeting.
- 8) Adjournment.



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DENNIS D. LaMOREAUX,  
General Manager

DDL/dh



# COMMITTEE MEMORANDUM

**DATE:** February 13, 2025  
**TO:** RESOURCE AND FACILITIES COMMITTEE  
**FROM:** Mr. Wendell Wall, Facilities Manager  
**VIA:** Mr. Dennis D. LaMoreaux, General Manager  
**RE:** *CONSIDERATION ON A RECOMMENDATION TO APPROVE A CONTRACT WITH PUMP CHECK, INC. FOR THE 2025 BOOSTER AND WELL PUMP EFFICIENCY TESTING. (\$18,375.00 – NON-BUDGETED – FACILITIES MANAGER WALL)*

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## **Recommendation:**

Staff recommends that the Committee approve a contract with Pump Check, Inc. to perform the 2025 Pump Efficiency Tests on all Booster Pumps and Well Pumps in the District.

## **Alternative Options:**

The Board can choose not to approve the annual pump efficiency tests

## **Impact of Taking No Action:**

The District would not be ensuring pump efficiency.

## **Background:**

For the last twenty years, Southern California Edison has been providing the District with Pump Efficiency Tests on all Booster Pumps and Well Pumps, which is considered the industry's best practices and allows Facilities to identify potential energy savings by detecting inefficient pumps enabling informed decisions on repairs, replacements, or system optimization to improve overall energy efficiency. The District was informed in December 2024 that Southern California Edison would no longer be providing this service.

## **Strategic Plan Initiative/Mission Statement:**

This item is under Strategic Initiative No. 3 – Systems Efficiency.  
This item directly related to the District's Mission Statement.

## **Budget:**

This item is budgeted.

## **Supporting Documents:**

- January 28, 2025 Quote from Pump Check, Inc.



P.O. Box 5646 Riverside, CA 92517 (951) 684-9801 Fax (951) 653-1950

January 28, 2025

Wendell Wall  
Palmdale Water District  
2029 East Avenue Q  
Palmdale, CA 93550

Dear Mr. Wall:

Thank you for your interest in **Pump Check Inc.** and our pump testing program. The program is designed to show how your pumps are performing and what steps can be taken to reduce operating costs. We also make pumping plant panel inspections.

We conduct a standard Field or Index Test. We measure the flow in gallons per minute, the total head or lift, and the power requirement for each pump. For well pumps, the static and pumping levels are measured and the specific yield of the well is determined. The overall plant efficiency (wire to water) and kWh per acre foot for electric driven units are then calculated. We also test and provide similar results for natural gas and diesel driven units. We make a test under the normal operating condition and one or two throttle points to get an idea of how the pump is suited to the existing condition. In pump stations with multiple pumps, we look at the resulting pump performance as other pumps are added.

A pumping cost analysis is provided based on the operating characteristics of each pump. The cost is calculated based on the pump production and energy rate applicable to that account. If, in our opinion, the pump efficiency can be improved, we calculate the savings that can be achieved from that improvement.

The pump test determines if a pump is in need of attention and the dollar value of repairs or changes in operation. It provides current information about water levels and specific yields as well as trends over time. The test also provides information about system pressure and lifts for pump design. The test can be used as a primary tool for prioritized pumping.

We have 67 years of experience in pumping systems analysis and pump testing in California, Nevada, Arizona and Utah. My staff is well trained and equipped. Pump testing is our primary service and we are committed to do them in an accurate and timely manner. Through pump testing and analysis, we can show you how to reduce your pumping costs.

Our fees for 2025 are as follows:

**Potable Water**

**Standard pump test** \$ 375.00 per pump

**Production Water Meter**

**Water Meter Testing** \$ 325.00 per meter

At the same time and place as the pump test

**Water Meter Testing** \$ 375.00 per meter

**Water Meter Electric Calibration** \$ 375.00 per meter

At the same time and place as a standard water meter test

**Water meters and water meter parts.**

**Manufactures List Price**

Any calibration or repair work will be charged as time and materials.

**Non Potable Water** (completely different equipment is used)

**Tertiary water standard pump test/water meter** \$ 450.00 per pump

**WAS / RAS / Secondary pump test** \$ 550.00 per pump

**Lift Station pump test** \$ 650.00 per pump

**Natural Gas driven pumps** Add \$ 150.00 per pump

**Sand Content Testing**

**Sand Content test** \$ 180.00 per pump

**Motor Control Panel**

**Infrared Imaging of Panel** \$ 180.00 per bucket at the same time as a pump test or 10 test minimum

**Vibration Measurement**

**Vibration Measurement** \$ 150.00 per bucket at the same time as a pump test or 10 test minimum

**Labor rate**

\$ 150.00 per man hour

**Saddles/Hot Tap**

**Up to 4" pipe** \$ 123.00 each

**Up to 6" pipe** \$ 146.00 each

**Up to 8" pipe** \$ 158.00 each

**Up to 10" pipe** \$ 204.00 each

**Up to 12" pipe** \$ 271.00 each

**Up to 14" pipe** \$ 440.00 each


**\$ 1,450.00 Daily Minimum.** The daily minimum is satisfied with completion of more than three tests per day, then charged on a per test basis. The incurred cost of any additional fees, non-standard insurance requirements that we carry and/or bonds levied on us will be passed thru annually.

To perform **49 pump efficiency** tests would cost:

**\$ 18,375.00**

If you have any questions please call me.

Sincerely,



Jon Lee