

WALNUT VALLEY WATER DISTRICT

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SPECIAL BOARD MEETING THURSDAY, JANUARY 19, 2023 4:00 P.M.

Pursuant to the provisions of Government Code Section 54953(e), as amended by AB 361, any Board member and any member of the public who desires to participate in the open session items of this meeting may do so by accessing the Webex link below without otherwise complying with the Brown Act's teleconference requirements:

<https://walnutvalley.webex.com/meet/bmeeting>
(Computer and Telephone Audio Accessible)

Any member of the public wishing to make any comments to the Board may do so by accessing the above-referenced link where they may select the option to join via webcam or teleconference. The meeting Chair will acknowledge such individual(s) at the appropriate time in the meeting prior to making his or her comment. **Members of the public will be disconnected from the meeting prior to the Closed Session.**

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

Materials related to an item on this agenda submitted after distribution of the agenda packet are available for public review during regular business hours at the District office, located at: 271 S. Brea Canyon Road, Walnut, CA.

1. Flag Salute
2. Roll Call: Mr. Hilden____ Ms. Kwong____ Ms. Lee____ Mr. Tang____
3. Public Comment President Hilden

The Presiding Officer of the Board of Directors may impose reasonable limitations on public comments to assure an orderly and timely meeting.

- A. **Agenda Items** - Any person desiring to address the Board of Directors on any Agenda item may do so at the time the item is considered on the Agenda by requesting the privilege of doing so at this time and stating the Agenda item to be addressed. At the time the item is discussed, those requesting to speak will be called to do so.
- B. **Non-Agenda Items** - At this time, the public shall have an opportunity to comment on any non-agenda item relevant to the jurisdiction of the District. Reasonable time limits on each topic and on each speaker are imposed in accordance with Board policy.

4. Progress Update Presentation on the Meter Conversion Program
(1) Discussion (2) Action Taken

5. Other

Adjournment

I, Lucie Cazares, CMC, Walnut Valley Water District, do hereby certify, under penalty of perjury under the laws of the State of California that a full and correct copy of this agenda was posted pursuant to Government Code Section 54950 et. seq., at 271 S. Brea Canyon Road, Walnut, CA., and uploaded to the Walnut Valley Water District website: www.wvwd.com/board-meetings.

Date Posted: January 18, 2023

Lucie Cazares, CMC, Executive Secretary



Meter Conversion Program Progress Update



Board Workshop
Thursday, January 19, 2023



WVWD Water Meters

- 28,039 water meters
 - Commercial (M1): 1,786
 - Recycled (R1): 359
 - Residential (W1-W4): 25,850
- State law (AB 2572)
- Accurate billing
- Budget preparation





Meter Conversion Program

- Ongoing replacement
- 2002: Implemented Automated Meter Reading (AMR) technology
- 2014: Adopted Advanced Metering Infrastructure (AMI) with Badger Meter, Inc.
- 2019: Issued a Request for Proposals for AMI
- 2021: Awarded a contract to Badger Meter to replace remaining AMR meters in W1 and W4 (13,727)





Communication Equipment Challenges

- Initial AMI endpoint (Code Division Multiple Access or CDMA) failures (R1 and W2)
- CDMA 3G technology retired end of 2022
- June 2022: Board approved PO for Badger and Concord Utility Services to replace 7,515 CDMA endpoints with new long-term evolution (LTE) endpoints





Communication Equipment Challenges

- August 2022: 899 communication failures
- September 2022: 1,396 communication failures
 - CDMA failures
 - LTE update from Badger
- Cogsdale Auto-Estimator
 - Rolling 12-month average
 - Winter usage skewed average and underestimated





Communication Solutions

- October 2022: Accounts manually read and reconciled
- December 2022: CDMA endpoints replaced
- January 2023: Disabled LTE endpoints replaced





Scheduled Project Completion

- Fiscal Year 2024: Replace 6,717 in W4
- Fiscal Year 2025: Replace 7,010 in W1
- Estimated cost for completion: \$2.8M
 - Endpoint Prices Locked
 - Utilizing Concord
- Outreach campaign



**UPGRADE IN
SERVICE**

**TECHNOLOGY &
INFRASTRUCTURE
UPDATE**

**OCCURRING MARCH-
APRIL 2023**



**Concord Utility
Service Is A WWD
Partner &
Verified to Work
in Your Meter Box**




Project Benefits

- Reduced labor and equipment expenses
- Increased accuracy
- Empowered consumers

Usage in 15 minute increments

Customer portal - Spring 2023

Special Features

-  Reads Every 15 Minutes
-  Increased Accuracy
-  Connectivity

Meter
UPGRADE

www.wvwd.com

> Date

