

Indian Wells Valley Water District

Celebrating more than 60 Years of Service

www.iwwvd.com



Regular Board Meeting
August 12, 2024



August Board Meeting

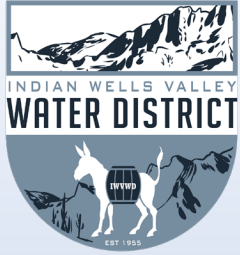
- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Roll Call**
- 4. Posting of Agenda Declaration**
- 5. Conflict of Interest Declaration**
- 6. Public Questions and Comments on Closed Session**

This portion of the meeting is reserved for persons desiring to address the Board on any matter not on the agenda and over which the Board has jurisdiction. However, no action may be taken by the Board of Directors on any item not appearing on the agenda. Non-agenda speakers are asked to limit their presentation to five minutes. Public questions and comments on items listed on the agenda will be accepted at any time the item is brought forth for consideration by the Board. When you are recognized by the chairperson, please state your name and address for the record.



August Board Meeting

7. Closed Session



August Board Meeting

8. Public Questions and Comments

This portion of the meeting is reserved for persons desiring to address the Board on any matter not on the agenda and over which the Board has jurisdiction. However, no action may be taken by the Board of Directors on any item not appearing on the agenda. Non-agenda speakers are asked to limit their presentation to five minutes. Public questions and comments on items listed on the agenda will be accepted at any time the item is brought forth for consideration by the Board. When you are recognized by the chairperson, please state your name and address for the record.



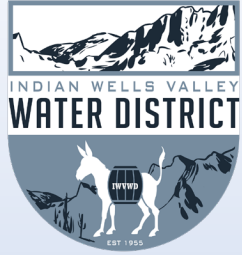
August Board Meeting

9. July Workshop Deferred Items:

1. **WaterView Update**
2. **Report on Water Losses, Consumption, and Production**

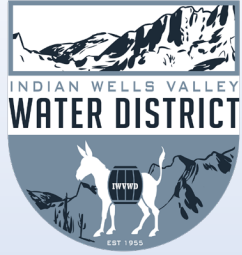
A. **General Discussion of Goals and Priorities**

Description: Discussion on any Board, Staff, and General Manager goals.



Water Losses, Consumption, Production

- SB555 (2015) required urban water retail suppliers to submit water loss audits by October 1st each year. Currently the requirement is January 1st each year beginning in 2021.
- “Urban Retail Water Suppliers” are those that either serve more than 3,000 connections or produce more than 3,000 AF per year.
- Each audit is required to be validated by a certified (AWWA) Water Loss Validator



Water Losses, Consumption, Production

- Water Supplied
 - Water from own sources corrected using meter testing accuracy
- Authorized Consumption
 - Billed metered, billed unmetered, unbilled metered, unbilled unmetered
- Water Losses (Apparent + Real Losses)
 - Apparent Losses
 - Systematic handling errors, customer metering inaccuracies, unauthorized consumption
 - Real Losses
 - Physical water losses from the system (leaks)

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WATER SUPPLIED

choose entry option:

| | | | | | | | | | | | | | | |
|-----|--------------------------|--------------------------------|--------------------------------|----------------------------------|--|------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------------|------------|---|------|
| VOS | Volume from Own Sources: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="7"/> | <input type="text" value="5,717.327"/> | Acre-ft/Yr | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="8"/> | <input type="text" value="volume"/> | <input type="text" value="33.610"/> | acre-ft/yr | <input type="text" value="under-registration"/> | VOS |
| WI | Water Imported: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="n/a"/> | <input type="text" value="0.000"/> | Acre-ft/Yr | | | | | | | | WIEA |
| WE | Water Exported: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="n/a"/> | <input type="text" value="0.000"/> | Acre-ft/Yr | | | | | | | | WEE |

WATER SUPPLIED: Acre-ft/Yr

AUTHORIZED CONSUMPTION

| | | | | | | | | | | | | | | |
|------|---------------------|--------------------------------|--------------------------------|----------------------------------|--|------------|--|--|--|-------------------------------------|-------------------------------------|------------|--|--|
| BMAC | Billed Metered: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="8"/> | <input type="text" value="5,232.800"/> | Acre-ft/Yr | | | | | | | | |
| BUAC | Billed Unmetered: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="n/a"/> | <input type="text" value="0.000"/> | Acre-ft/Yr | | | | | | | | |
| UMAC | Unbilled Metered: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="n/a"/> | <input type="text" value="0.000"/> | Acre-ft/Yr | | | | | | | | |
| UUAC | Unbilled Unmetered: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="5"/> | <input type="text" value="10.900"/> | Acre-ft/Yr | | | | <input type="text" value="custom"/> | <input type="text" value="10.900"/> | acre-ft/yr | | |

choose entry option:

AUTHORIZED CONSUMPTION: Acre-ft/Yr

WATER LOSSES

Acre-ft/Yr

Apparent Losses

Default option selected for Systematic Data Handling Errors, with automatic data grading of 3

choose entry option:

| | | | | | | | | | | | | | | |
|------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------------|------------|------------------------------------|--------------------------------------|--|--|--|--|---|--|
| SDHE | Systematic Data Handling Errors: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="3"/> | <input type="text" value="13.082"/> | Acre-ft/Yr | <input type="text" value="0.25%"/> | <input type="text" value="default"/> | | | | | | |
| CMI | Customer Metering Inaccuracies: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="2"/> | <input type="text" value="275.411"/> | Acre-ft/Yr | <input type="text" value="5.00%"/> | <input type="text" value="percent"/> | | | | | <input type="text" value="under-registration"/> | |
| UC | Unauthorized Consumption: | <input type="text" value="n"/> | <input type="text" value="g"/> | <input type="text" value="3"/> | <input type="text" value="13.082"/> | Acre-ft/Yr | <input type="text" value="0.25%"/> | <input type="text" value="default"/> | | | | | | |

Default option selected for Unauthorized Consumption, with automatic data grading of 3

Apparent Losses: Acre-ft/Yr

Real Losses

Real Losses: Acre-ft/Yr

WATER LOSSES: Acre-ft/Yr

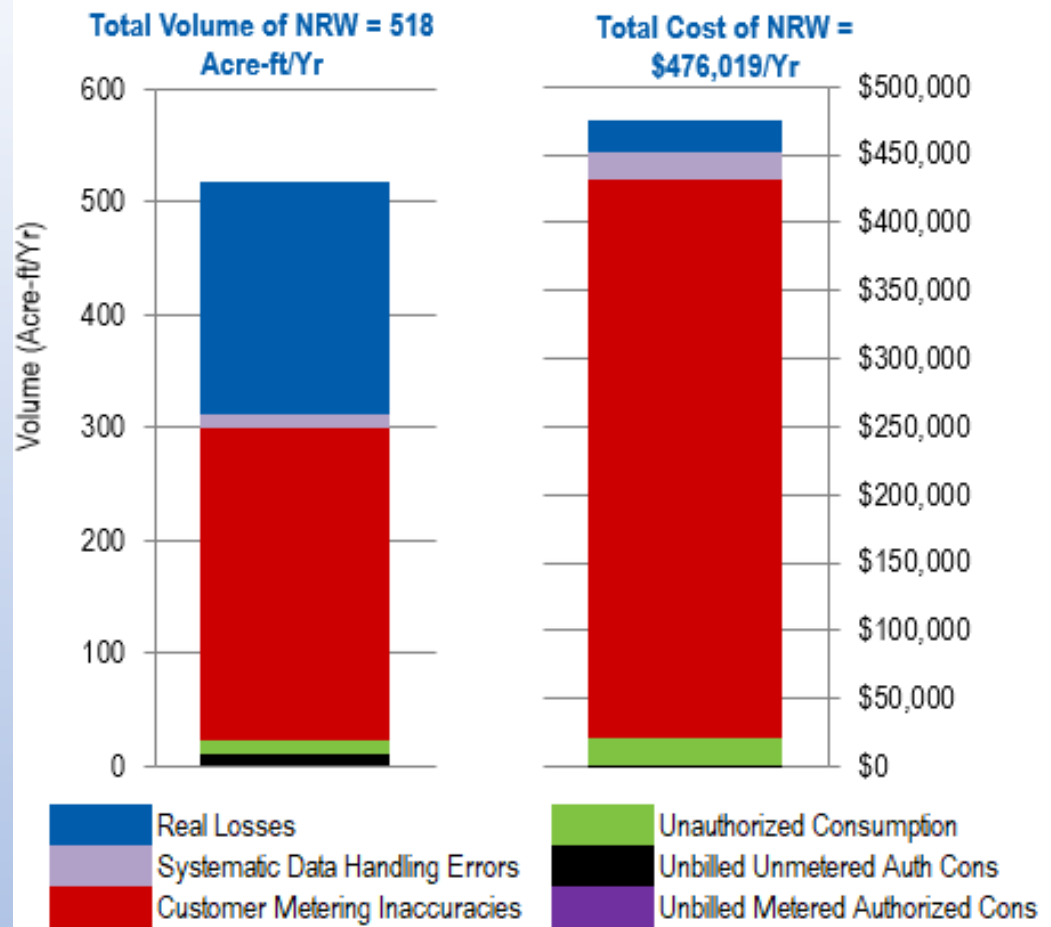
NON-REVENUE WATER

NON-REVENUE WATER: Acre-ft/Yr



| | | Water Exported (WE) (corrected for known errors) 0.000 | Billed Water Exported | | | Revenue Water (Exported) 0.000 |
|---|---|---|--|---|--|--|
| Volume from Own Sources (VOS) (corrected for known errors) 5,750.937 | System Input Volume 5,750.937 | Water Supplied 5,750.937 | Authorized Consumption 5,243.700 | Billed Authorized Consumption 5,232.800 | Billed Metered Consumption (BMAC) (water exported is removed) 5,232.800 | Revenue Water |
| | | | | | Billed Unmetered Consumption (BUAC) 0.000 | 5,232.800 |
| Water Imported (WI) (corrected for known errors) 0.000 | | | Water Losses 507.237 | Unbilled Authorized Consumption 10.900 | Unbilled Metered Consumption (UMAC) 0.000 | Non-Revenue Water (NRW) |
| | | | | | Unbilled Unmetered Consumption (UUAC) 10.900 | |
| | | | | | Systematic Data Handling Errors (SDHE) 13.082 | 518.137 |
| | | | | | Customer Metering Inaccuracies (CMI) 275.411 | |
| | | | | Unauthorized Consumption (UC) 13.082 | | |
| | | | | Real Losses 205.662 | Leakage on Transmission and/or Distribution Mains Not broken down | |
| | | | | | Leakage and Overflows at Utility's Storage Tanks Not broken down | |
| | | | | | Leakage on Service Connections Not broken down | |

NRW Components Summary



| | Volume Acre-ft/Yr | Value \$/Yr | Basis of Valuation |
|--------------------------|----------------------|----------------|--------------------|
| Apparent Losses | 301.6 | \$449,916 | CRUC |
| Real Losses | 205.7 | \$24,789 | VPC |
| Unbilled Authorized Cons | 10.9 | \$1,314 | VPC |
| Non-Revenue Water | 518.1 | \$476,019 | Blended |

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Water Loss Control Planning Guide

| Water Audit Data Validity Tier (Score Range) | | | | | |
|--|---|--|--|--|---|
| Functional Focus Area | Tier I (1-25) | Tier II (26-50) | Tier III (51-70) | Tier IV (71-90) | Tier V (91-100) |
| Audit Data Collection | Launch auditing and loss control team; address supply metering deficiencies | Analyze business process for customer metering and billing functions and water supply operations; Identify data gaps; improve supply metering | Establish/revise policies and procedures for data collection | Refine data collection practices and establish as routine business process | Annual water audit is a reliable gauge of year-to-year water efficiency standing |
| Short-term loss control | Research information on leak detection programs; Begin flowcharting analysis of customer billing system | Conduct loss assessment investigations on a sample portion of the system: customer meter testing, leak survey, unauthorized consumption, etc | Establish ongoing mechanisms for customer meter accuracy testing, active leakage control and infrastructure monitoring | Refine, enhance or expand ongoing programs based upon economic justification | Stay abreast of improvements in metering, meter reading, billing, leakage management and infrastructure rehabilitation |
| Long-term loss control | | Begin to assess long-term needs requiring large expenditure: customer meter replacement, water main replacement program, new customer billing system or AMR/AMI system | Begin to assemble economic business case for long-term needs based upon improved data becoming available through the water audit process | Conduct detailed planning, budgeting and launch of comprehensive improvements for metering, billing or infrastructure management | Continue incremental improvements in short-term and long-term loss control interventions |
| Target-setting | | | Establish long-term apparent and real loss reduction goals (+10 year horizon) | Establish mid-range (5 year horizon) apparent and real loss reduction goals | Evaluate and refine loss control goals on a yearly basis |
| Benchmarking | | | Preliminary Comparisons - can begin to rely upon with PIs for performance comparisons for real losses | Performance Benchmarking with PIs is meaningful in comparing real loss standing | Identify Best Practices/ Best in class; PIs are very reliable as real loss performance indicators for best in class service |



Current Business/Committee Reports

A. Consent Calendar

Description: Approval of Board Meeting Minutes and Accounts Payable Disbursements.

1. Approval of Minutes:

- i. July 8, 2024, Regular Board Meeting**
- ii. July 18, 2024, Special Board Workshop**

2. Approval of Accounts Payable Disbursements

Consent Calendar

| | |
|--------------------|-----|
| Boyd, Mallory | Yes |
| Griffin, Chuck | Yes |
| Kicinski, Ron | Yes |
| Rajtora, Stan | Yes |
| Saint Amand, David | Abs |

Yes = 4 No = 0 Abstain = 1

Pass



Plant & Equipment Committee Report

1. Drinking Water Administrator Program: Request for Qualifications

Description: Staff to discuss with the Board the prospect of the District becoming a Drinking Water Administrator through the State Water Resources Control Board (SWRCB).

Drinking Water Admin Program

| | |
|--------------------|-----|
| Boyd, Mallory | Yes |
| Griffin, Chuck | Yes |
| Kicinski, Ron | Yes |
| Rajtora, Stan | Yes |
| Saint Amand, David | Abs |

Yes = 4 No = 0 Abstain = 1

Pass



Plant & Equipment Committee Report

2. Rademacher Way Mainline Extension: Notice of Exemption

Description: Staff to present the Board with Notice of Exemption for possible Rademacher Way pipeline project to be funded by the IWV Groundwater Authority (IWVGA).

Notice of Exemption

| | |
|--------------------|--|
| Boyd, Mallory | |
| Griffin, Chuck | |
| Kicinski, Ron | |
| Rajtora, Stan | |
| Saint Amand, David | |

Yes = 0 No = 0 Abstain = 0

Fail



Administration/Executive Committee Report

1. Concealed Carry Weapon (CCW) Discussion

Description: Discussion on CCW Policy and actions moving forward.

Committee Recommends the Following: Legal to provide a report to the Board.

CCW Policy

| | |
|--------------------|-----|
| Boyd, Mallory | Yes |
| Griffin, Chuck | Yes |
| Kicinski, Ron | Yes |
| Rajtora, Stan | Yes |
| Saint Amand, David | Abs |

Yes = 4 No = 0 Abstain = 1

Pass



Administration/Executive Committee Report

2. Request for Office Closure

Description: Board to review request to close the District on Thursday, December 26th and Thursday, January 2nd, as the office will already be closed the Wednesdays before in observance of Christmas and New Years.

Committee Recommends the Following: Discussion deferred to Board meeting.

Office Closure

| | |
|--------------------|-----|
| Boyd, Mallory | Yes |
| Griffin, Chuck | Yes |
| Kicinski, Ron | Yes |
| Rajtora, Stan | Yes |
| Saint Amand, David | Abs |

Yes = 4 No = 0 Abstain = 1

Pass



Current Business

2. Indoor Heat Illness Prevention Plan

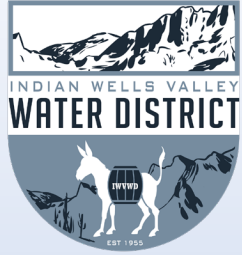
Description: California Occupational Safety and Health Standards requires employers to develop and implement a “Heat Illness Prevention in Indoor Places of Employment” to establish required safety measures for indoor places of employment to prevent employee exposure to the risk of heat illness.

HIP Plan

| | |
|--------------------|-----|
| Boyd, Mallory | Yes |
| Griffin, Chuck | Yes |
| Kicinski, Ron | Yes |
| Rajtora, Stan | Yes |
| Saint Amand, David | Abs |

Yes = 4 No = 0 Abstain = 1

Pass



IWVGA

Description: Report and discussion regarding the July 10, 2024, meeting of the Indian Wells Valley Groundwater Authority (IWVGA). Including, Board discussion and consideration of issues of importance requiring action by the IWVGA.

Next meeting is scheduled for September 11, 2024.



IWVGA 2030 Pumping Correction

GA wanted to correct
That this is not an
Allocation table

It is estimated pumping
In 2030 for modeling the
basin

WD would need approx.
4500-5000 Af of imported
Water

I presume the GA WD
would want the WD to
then charge other entities
for in lieu use.

Modeling Scenarios – 2025 GSP – Implementation Pumping Plan 1 & 2 2030 Pumping

| 2030 Current Demands | | | |
|----------------------|----------------------------|--------------------|--|
| | 2030 Pumping Demands* (AF) | % of Total Pumping | Assumptions |
| IWVWD | 1,186 | 15.5% | IWVWD pumping reduced to remainder of sustainable yield |
| SVM | 2,544 | 33.3% | WY 2020-2023 average** |
| Navy | 2,041 | 26.7% | Requested by Navy for planning purposes |
| Meadowbrook | 0 | 0.0% | Transient exhausted by 2026 |
| Mojave | 0 | 0.0% | Transient exhausted by 2026 |
| Small Ag | 0 | 0.0% | Transient exhausted by 2026 |
| City | 325 | 4.2% | Court disclosure - to include currently underway park expansions |
| County | 22 | 0.3% | WY 2020-2023 average** |
| Inyokern CSD | 205 | 2.7% | WY 2020-2023 average** |
| Mutuals/Co-ops | 414 | 5.4% | WY 2020-2023 average** |
| Domestic | 913 | 11.9% | Growth rate mirrors IWVWD UWMP average |
| TOTAL | 7,650 | | |

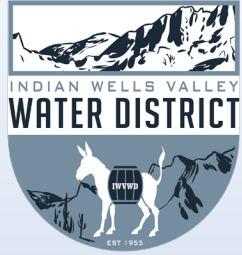
* Pumping Demands reflects actual water pumped from wells

** WY 2023 was a very wet year, WY 2020-2023 averages may not reflect true average pumping



Comprehensive Adjudication

Description: Report and discussion regarding the status of the Comprehensive Adjudication.



GM Report Water District Data

- **Monthly Data**
 - **Water Produced: July 258,484,300 gal (18% increase over 2023)**
 - **Water Consumed: July 204,480,012 gal**
 - **Calculated water loss for July, 13,586,025**
 - **July Potable Supply and Demand Difference, 54,004,288**
 - **June Potable Supply and Demand Difference, 26,013,400**
- **Employee Injury Report**
 - **None for July 2024**
- **Conservation**
 - **WaterSmart data. 79 Conversations, 33 Field Visits**



GM Report WD Public Outreach

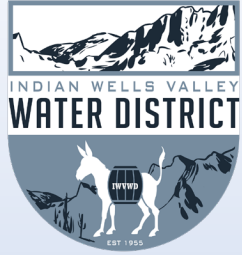
- **Upcoming**
 - **SVM to talk at Oct Chamber of Commerce Meeting**
- **Since the last Board Meeting**
 - **NSTR**
- **Social Media**
 - **Adjudication Updated on Web**
 - **Multiple social media posts on WD activities**
- **News Media**
 - **One article on NW Transmission Pipeline from WD**
 - **Several Articles in Local Papers**



Staff Updates Engineering

3. **NW Transmission Pipeline**

Description: Update on this Capital Project.



Staff Updates Engineering

- 4. Dune 3 and Hometown Water Consolidations Update**
Description: Update on these Projects.



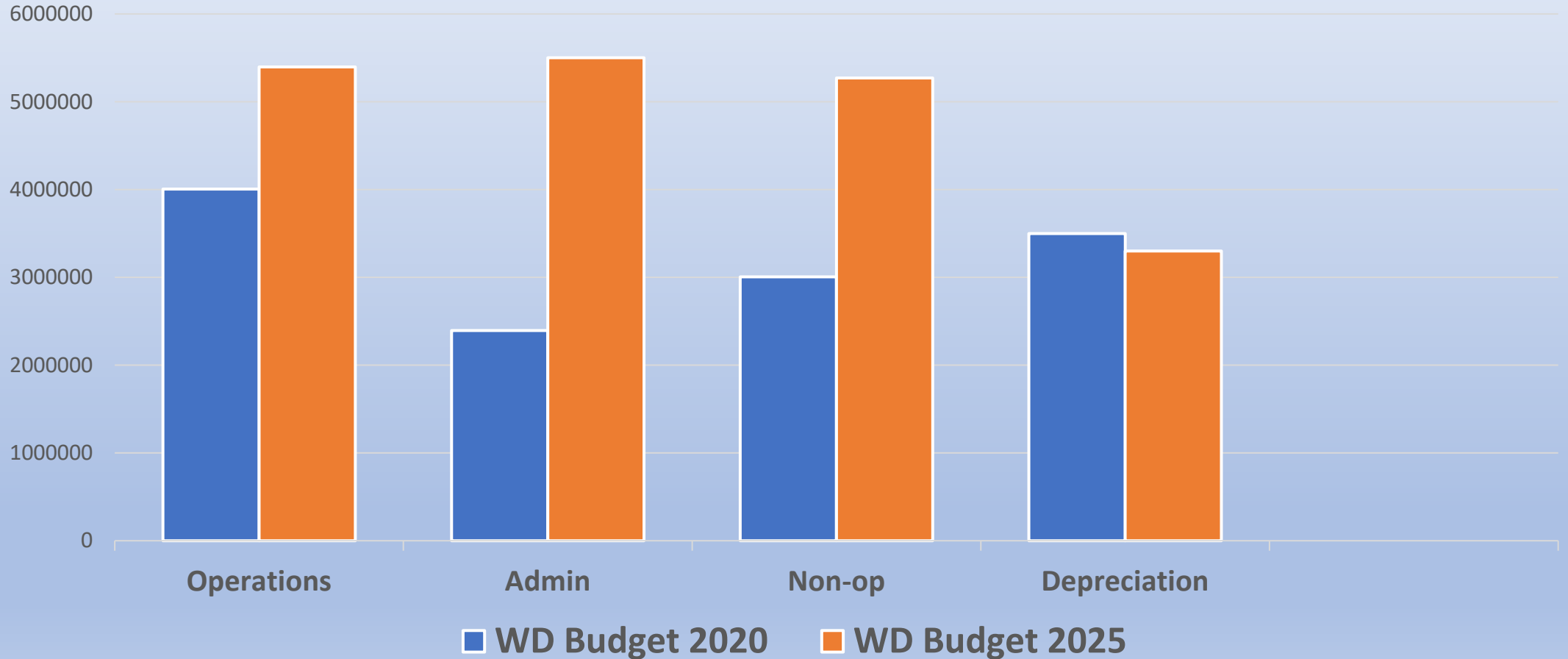
Staff Updates Financial

5. Financial Status

Description: Report on the District's current financial status.



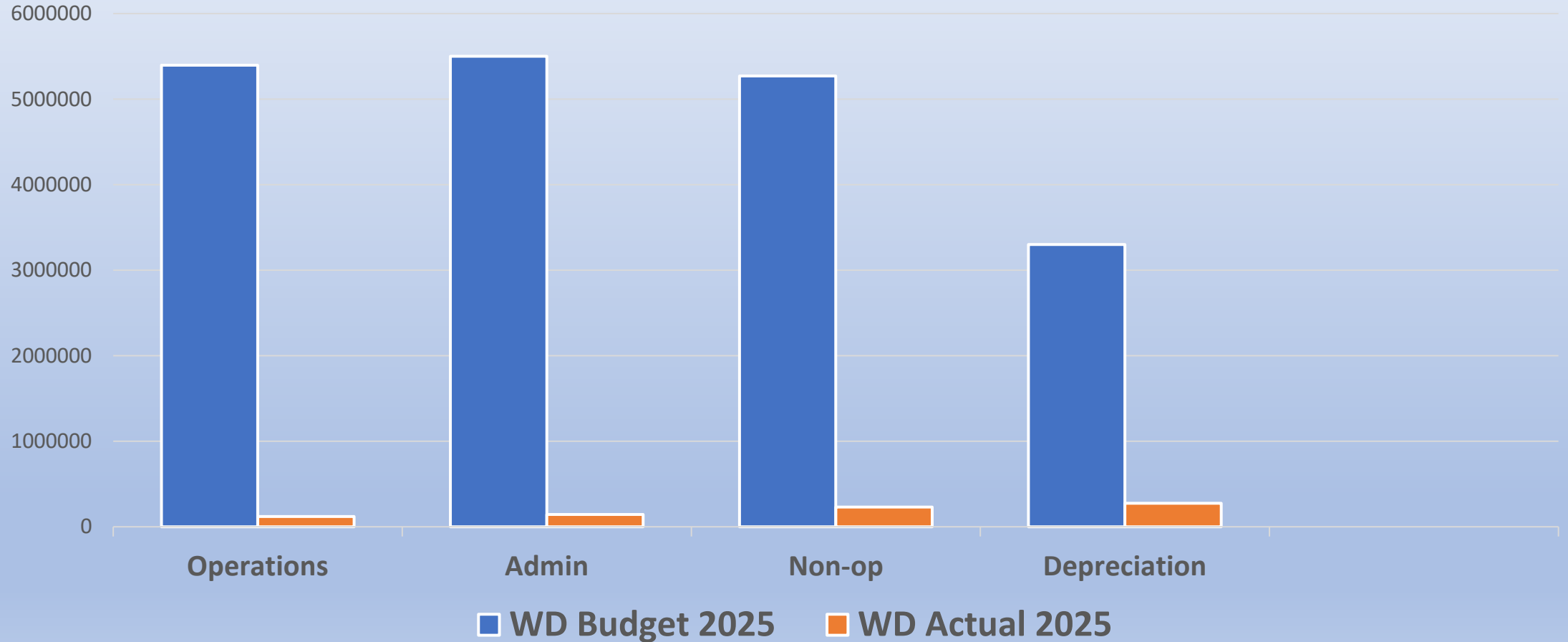
Financial Breakout



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Financial Breakout



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Staff Updates Conservation

6. Conservation

Description: Update on the Conservation Program and discussion on water conservation related items.

SWRCB Water Waster Report

| | # of water waste reports received | # of contacts made (written or verbal) | # of formal warning actions | # of penalties issued |
|----------------------------------|-----------------------------------|--|-----------------------------|-----------------------|
| Jan-24 | 0 | 0 | 0 | 0 |
| Feb-24 | 2 | 2 | 0 | 0 |
| Mar-24 | 4 | 4 | 1 | 1 |
| Apr-24 | 1 | 1 | 0 | 0 |
| May-24 | 1 | 1 | 0 | 0 |
| Jun-24 | 4 | 4 | 0 | 0 |
| Jul-24 | 0 | 0 | 0 | 0 |
| Aug-24 | | | | |
| Sep-24 | | | | |
| Oct-24 | | | | |
| Nov-24 | | | | |
| Dec-24 | | | | |
| SUBTOTAL 2015 | 378 | 376 | 40 | 10 |
| SUBTOTAL 2016 | 406 | 399 | 28 | 3 |
| SUBTOTAL 2017 | 70 | 68 | 10 | 4 |
| SUBTOTAL 2018 | 60 | 58 | 7 | 4 |
| SUBTOTAL 2019 | 56 | 56 | 8 | 1 |
| SUBTOTAL 2020 | 42 | 42 | 8 | 2 |
| SUBTOTAL 2021 | 131 | 131 | 12 | 4 |
| SUBTOTAL 2022 | 106 | 106 | 6 | 0 |
| SUBTOTAL 2023 | 64 | 64 | 24 | 7 |
| SUBTOTAL 2024 | 12 | 12 | 1 | 1 |
| TOTAL | 1313 | 1300 | 143 | 35 |
| TOTAL PENALTIES BILLED | | | | \$3,450 |
| TOTAL PENALTIES COLLECTED | | | | \$3,050 |



Staff Updates Operations

7. Arsenic Treatment Facilities

Description: Staff will update the Board on Maintenance Issues and production.

Plant 1 online 50% capacity, Plant 2 offline for erroneous meter.

8. Operations

Description: Staff report on Operations

21 replacements 11 repairs

0 NO-DES (9,428,891g)

6 Valves (238 YTD)

GIS updated to Nobel Systems

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- **Board Comments/Future Agenda Items**
- **Adjournment**

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