



TRUCKEE MEADOWS WATER AUTHORITY Board of Directors AGENDA

NEW DAY: Thursday, June 20, 2024 at 10:00 a.m.

NEW VENUE: Washoe County Commission Chambers, 1001 E. 9th St. Reno, NV
MEETING VIA TELECONFERENCE & IN-PERSON

MEMBERS OF THE PUBLIC MAY ATTEND VIA THE WEB LINK, OR
TELEPHONICALLY BY CALLING THE NUMBER, LISTED BELOW.

(be sure to keep your phones or microphones on mute, and do not place the call on hold)

Please click the link below to join the webinar:

https://tmwa.zoom.us/j/89110512999?pwd=9d_RtYZbsIqIdTYIbUf_eHivLK2VIw.GjiPvgdr9D35cFrr

Passcode: 771487

Or call:

Phone: (888) 788-0099

Webinar ID: 891 1051 2999

Board Members

Chair Kristopher Dahir – City of Sparks	Vice Chair Naomi Duerr – City of Reno
Paul Anderson – City of Sparks	Alexis Hill – Washoe County
Jenny Brekhus – City of Reno	Clara Andriola – Washoe County
Devon Reese – City of Reno	

NOTES:

1. The announcement of this meeting has been posted at the following locations: Truckee Meadows Water Authority (1355 Capital Blvd., Reno), at <http://www.tmwa.com>, and State of Nevada Public Notice Website, <https://notice.nv.gov/>.
2. TMWA meetings are streamed online at <https://www.youtube.com/@tmwaboardmeetings6598>.
3. In accordance with NRS 241.020, this agenda closes three working days prior to the meeting. We are pleased to make reasonable accommodations for persons who are disabled and wish to attend meetings. If you require special arrangements for the meeting, please call (775) 834-8002 at least 24 hours before the meeting date.
4. Staff reports and supporting material for the meeting are available at TMWA and on the TMWA website at <http://www.tmwa.com/meeting/>. Supporting material is made available to the general public in accordance with NRS 241.020(6).
5. The Board may elect to combine agenda items, consider agenda items out of order, remove agenda items, or delay discussion on agenda items. Arrive at the meeting at the posted time to hear item(s) of interest.
6. Asterisks (*) denote non-action items.
7. Public comment during the meeting is limited to three minutes and is allowed during the two public comment periods rather than each action item. The public may sign-up to speak during the public comment period or on a specific agenda item by completing a “Request to Speak” card and submitting it to the clerk. In addition to the public comment periods, the Chair has the discretion to allow public comment on any individual agenda item, including any item on which action is to be taken.
8. Written public comment may be provided by submitting written comments online on TMWA’s Public Comment Form (tmwa.com/PublicComment) or by email sent to boardclerk@tmwa.com prior to the Board opening the public comment period during the meeting. In addition, public comments may be provided by leaving a voicemail at (775)834-0255 prior to 4:00 p.m. the day before the scheduled meeting. Voicemail messages received will be noted during the meeting and summarized for entry into the record.
9. In the event the Chair and Vice-Chair are absent, the remaining Board members may elect a temporary presiding officer to preside over the meeting until the Chair or Vice-Chair are present (**Standing Item of Possible Action**).
10. Notice of possible quorum of Western Regional Water Commission: Because several members of the Truckee Meadows Water Authority Board of Directors are also Trustees of the Western Regional Water Commission, it is possible that a quorum of the Western Regional Water Commission may be present, however, such members will not deliberate or take action at this meeting in their capacity as Trustees of the Western Regional Water Commission.
11. The Board may attend and participate in the meeting by means of remote technology system. Members of the public wishing to attend and/or participate by providing public comment may do so either in person at the physical location of the meeting listed above or virtually. To attend this meeting virtually, please log into the meeting using the link and/or phone number noted above. To request to speak, please use the “raise hand” feature or, if on the phone, press *9 to “raise your hand” and *6 to unmute/mute your microphone.

¹ The Board may adjourn from the public meeting at any time during the agenda to receive information and conduct labor-oriented discussions in accordance with NRS 288.220 or receive information from legal counsel regarding potential or existing litigation and to deliberate toward a decision on such matters related to litigation or potential litigation.

1. Roll call*
2. Pledge of Allegiance*
3. Public comment — limited to no more than three minutes per speaker*
4. Possible Board comments or acknowledgements*
5. Approval of the agenda (**For Possible Action**)
6. Approval of the minutes of the May 23, 2024 meeting of the TMWA Board of Directors (**For Possible Action**) (**5min**)
7. Update on Bureau of Reclamation Grant Award of \$30 million to Reno and TMWA for the American Flat Advanced Purified Water Project — John Zimmerman* (**5min**)
8. Update on Federal Water Quality Regulatory Activities — Will Raymond and Kelli Burgess* (**10min**)
9. Informational report on the status of the Orr Ditch Booster Pump Station and Hydroelectric Project — Danny Rotter and Jason Barnes* (**15min**)
10. Informational update on Spanish Springs Water Resources — John Enloe* (**10min**)
11. Presentation on TMWA’s New Business processes — Danny Rotter and David Kershaw* (**15min**)
12. Update on the 2025-2045 Water Resource Plan planning efforts — Nate Allen and John Enloe (**For Possible Action**) (**5min**)
13. Informational update on potential TMWA Rule updates — Dan Nubel* (**5min**)
14. Discussion and action on appointment of Alex Talmant to the primary senior citizen class customer representative — Sonia Folsom (**For Possible Action**) (**5min**)
15. Discussion and action on nomination and election of Chair and Vice Chair and request for Board adoption of Resolution No. 328 appointing a Chair and Vice Chair for Fiscal Year 2025 — John Zimmerman (**For Possible Action**) (**5min**)
16. General Manager’s Report* (**5min**)
17. Public comment — limited to no more than three minutes per speaker*
18. Board comments and requests for future agenda items*
19. Adjournment (**For Possible Action**)

¹ The Board may adjourn from the public meeting at any time during the agenda to receive information and conduct labor-oriented discussions in accordance with NRS 288.220 or receive information from legal counsel regarding potential or existing litigation and to deliberate toward a decision on such matters related to litigation or potential litigation.

TRUCKEE MEADOWS WATER AUTHORITY
DRAFT MINUTES OF THE MAY 23, 2024
MEETING OF THE BOARD OF DIRECTORS

The Board of Directors met on Thursday May 23, 2024 at Sparks Council Chambers. Chair Dahir called the meeting to order at 10:04 a.m.

1. ROLL CALL

Directors Present: Paul Anderson, Kristopher Dahir, Naomi Duerr, *Alexis Hill, and **Alternate Megan Ebert.

Directors Absent: Clara Andriola, Jenny Brekhus, and Devon Reese.

**Director Hill attended virtually via Zoom and left at 10:10 a.m.*

***Alternate Ebert attended virtually via Zoom and arrived at 10:06 a.m.*

A quorum was present.

2. PLEDGE OF ALLEGIANCE

The pledge of allegiance was led by Director Anderson.

3. PUBLIC COMMENT

There was no public comment.

4. POSSIBLE BOARD COMMENTS OR ACKNOWLEDGEMENTS

There were no board comments.

5. APPROVAL OF THE AGENDA

Upon motion by Director Anderson, second by Director Duerr, which motion duly carried by unanimous consent of the Directors present, the Board approved the agenda.

6. APPROVAL OF THE MINUTES OF THE APRIL 17, 2024 MEETING

Upon motion by Director Duerr, second by Director Anderson, which motion duly carried by unanimous consent of the Directors present, the Board approved the April 17, 2024 minutes.

7. PUBLIC HEARING ON ADOPTION OF BUDGET

OPEN PUBLIC HEARING

A. DISCUSSION, AND ACTION ON REQUEST FOR ADOPTION OF RESOLUTION NO. 326: A RESOLUTION TO ADOPT THE FINAL BUDGET FOR THE FISCAL YEAR ENDING JUNE 30, 2025 AND THE 2025 – 2029 FIVE-YEAR CAPITAL IMPROVEMENT PLAN

Matt Bowman, TMWA Chief Financial Officer, presented the staff report and informed the Board there were no changes to the tentative budget than was presented at the March Board meeting.

Upon motion by Director Anderson, second by Director Duerr, which motion duly carried by unanimous consent of the Directors present, the Board adopted Resolution No. 326: A resolution to adopt the final budget for the Fiscal Year ending June 30, 2025 and the 2025 – 2029 Five-Year Capital Improvement Plan.

B. PUBLIC COMMENT

There was no public comment.

CLOSE PUBLIC HEARING

8. PUBLIC HEARING ON RATE AMENDMENTS

OPEN PUBLIC HEARING

A. RATE AMENDMENT, SECOND HEARING AND ADOPTION: DISCUSSION AND POSSIBLE ACTION ON RESOLUTION NO. 327: A RESOLUTION TO ADOPT A RESOLUTION TO ADOPT TMWA RATE SCHEDULE WSF – WATER SYSTEM FACILITY CHARGES REVISING AREA FEE, SUPPLY AND TREATMENT, AND STORAGE UNIT COSTS

Danny Rotter, TMWA Engineering Director, informed the Board that there were no changes to the proposed rates or comments from the developer community from the last meeting.

Upon motion by Director Anderson, second by Director Duerr, which motion duly carried by unanimous consent of the Directors present, the Board adopted Resolution No. 327: A resolution to adopt TMWA Rate Schedule WSF – Water System Facility Charges revising area fee, supply and treatment, and storage unit costs.

B. PUBLIC COMMENT

There was no public comment.

CLOSE PUBLIC HEARING

9. PRESENTATION OF FISCAL YEAR 2024 Q3 YEAR-TO-DATE FINANCIAL RESULTS

Mr. Bowman presented the fiscal year 2024 Q3 year-to-date financial results.

10. DISCUSSION AND POSSIBLE ACTION REGARDING THE AUTOMATIC EXTENSION PROVISION IN SECTION 5.1 "TERM" OF THE GENERAL MANAGER'S EMPLOYMENT AGREEMENT AND POSSIBLE DIRECTION TO BOARD COUNSEL REGARDING THE SAME

Jessica Atkinson, TMWA Human Resources Director, presented the staff report.

Director Duerr confirmed the annual evaluation is still scheduled. Ms. Atkinson replied yes.

Upon motion by Director Duerr, second by Director Anderson, which motion duly carried by unanimous consent of the Directors present, the Board approved allowing the automatic extension provision to proceed.

11. GENERAL MANAGER'S REPORT

Andy Gebhardt, TMWA Distribution & Maintenance Director, informed the Board that TMWA has a new logo that is more in line with the digital age of advertising and communication, and TMWA vehicles will be more visible with the new logo. Mr. Gebhardt added that this year's Smart About Water Day, despite the weather, had a very good turn out and three Board members attended; staff was very appreciative.

Director Anderson said he was very impressed with the public engagement and interest in water. He was excited to see the employee engagement as well as the community and partners.

12. PUBLIC COMMENT

Chair Dahir thanked John Zimmerman, TMWA General Manager, for his participation on his radio show.

13. BOARD COMMENTS AND REQUESTS FOR FUTURE AGENDA ITEMS

There were no Board comments.

14. ADJOURNMENT

With no further discussion, Chair Dahir adjourned the meeting at 10:32 a.m.

Approved by the TMWA Board of Directors in session on _____.

Sonia Folsom, Board Clerk.

****Director Hill was present for agenda items 1 through 7 only.***

*****Alternate Ebert was present for agenda items 7 through 14 only.***

TMWA Board of Directors

Update on Federal Water Quality Regulatory Activities

June 20, 2024



**Truckee Meadows
Water Authority**

Quality. Delivered.

Update on Federal Water Quality Regulatory Activities

1. PFAS (per-and polyfluoroalkyl substances)
 - a) Previous sampling 2013 UCMR3
 - b) Current sampling 2023-2026 UCMR5
 - c) New regulation 2024
 - d) Compliance schedule
 - e) Next steps

2. Lead and Copper
 - a) Lead and Copper Rule History
 - b) Lead and Copper Rule Revision (LCRR)
 - c) Lead and Copper Rule Improvements (LCRI)

Update on Federal Water Quality Regulatory Activities

PFAS (per-and polyfluoroalkyl substances)

- perfluorooctanoic acid (PFOA)
- perfluorooctanesulfonic acid (PFOS)
- perfluorobutanesulfonic acid (PFBS)
- hexafluoropropylene oxide dimer acid (HFPO-DA or GenX chemicals)
- perfluorohexanesulfonic acid (PFHxS)
- perfluorononanoic acid (PFNA)

PFAS (per-and polyfluoroalkyl substances)

1. Previous sampling 2013 UCMR3
2. Current sampling 2023-2026 UCMR5
3. New regulation 2024
4. Compliance schedule
5. Next steps

UCMR-EPA Unregulated Contaminant Monitoring Rule

2013 UCMR3 results

- Sampling conducted at various TMWA sources for a limited number of PFAS compounds in 2013
- Reporting level ranged from 10 parts/trillion (ppt) to 90 ppt
- No PFAS compounds were detected in UCMR3
- All UCMR3 results were reported in TMWA's annual Water Quality Report as required by EPA

2023-2026 (and 2027) UCMR5 results

- Coordinated sampling locations and dates with contract laboratories and with EPA
- Started collecting samples early in 2023
- Detection limit now is 4 ppt
- We have detected some PFAS compounds at various locations. Some of the detects are part of the 29 PFAS screening list and some of the detects are NOT on the PFAS final EPA regulation proposed in April 2024
- All detections of the 2023 UCMR5 PFAS compounds will be shared in TMWA's annual Water Quality Report this July even though the new regulation does not require inclusion until 2027

Regulatory Levels: Summary

Chemical	Maximum Contaminant Level Goal (MCLG)	Maximum Contaminant Level (MCL)
PFOA	0	4.0 ppt
PFOS	0	4.0 ppt
PFHxS	10 ppt	10 ppt
HFPO-DA (GenX chemicals)	10 ppt	10 ppt
PFNA	10 ppt	10 ppt
Mixture of two or more: PFHxS, PFNA, HFPO-DA, and PFBS	Hazard Index of 1	Hazard Index of 1

*Compliance is determined by running annual averages at the sampling point

Implementation: Timeframes for Water Systems

Within **three years** of rule promulgation (2024 – 2027):

- Initial monitoring must be complete

Starting **three years** following rule promulgation (2027 – 2029):

- Results of initial monitoring must be included in Consumer Confidence Reports (i.e., Annual Water Quality Report)
- Regular monitoring for compliance must begin, and results of compliance monitoring must be included in Consumer Confidence Reports
- Public notification for monitoring and testing violations

Starting **five years** following rule promulgation (starting 2029)

- Comply with all MCLs
- Public notification for MCL violations

Next steps...

- Over the next three years, TMWA will continue to sample per the approved EPA sampling schedule until ALL TMWA sources have been sampled
- Where necessary, we will collect extra samples so that the best remedial plan can be evaluated. Where sample results indicate treatment will be needed, possible treatment options include:
 - Granular activated carbon
 - Membrane filtration
 - Ion Exchange treatment
 - Assessing blending pipelines to lower MCL levels
 - Investigating well rehabilitation options
 - Re-drilling in areas with better water quality if possible
 - Removing the well from production
- CERCLA utility exemptions are still being contemplated in Washington DC.

Update on Federal Water Quality Regulatory Activities

1. PFAS (per-and polyfluoroalkyl substances)

- a) Previous sampling 2013 UCMR3
- b) Current sampling 2023-2026 UCMR5
- c) New regulation 2024
- d) Compliance schedule
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2. Lead and Copper

- a) Lead and Copper Rule History
- b) Lead and Copper Rule Revision (LCRR)
- c) Lead and Copper Rule Improvements (LCRI)

EPA Lead and Copper Rule History

- 1991 Lead and Copper Rule
 - Required utilities to sample for lead and copper at homes
 - EPA set actions level of 15 ppb for lead and 1.3 ppm for copper
- 2021 Lead and Copper Rule Revision
 - October 16, 2024 compliance date
 - Service Line inventory
- Lead and Copper Rule Improvements
 - Expected prior to October 16, 2024 with compliance in 2027
 - School and Child Care Facilities will require tap sampling
 - Action level for lead will be reduced to 10 ppb
 - System sampling to revert back to 6-month monitoring from current triennial

Lead and Copper Rule Revision

- Currently working to complete the Service Line Inventory
- Variety of Methods have been utilized to determine
 - Maps, As-builts, visual inspections, year of construction, size of line, customer identification, meter retrofit, predictive modeling
- VODA LeadZero Predictive Modeling
 - Accepted and used for systems without evidence of lead in distribution system
 - Proprietary modeling system that analyzes GIS datasets
 - Able to provide a high confidence level of a non-lead in a distribution system

Lead and Copper Rule Improvements

- Next steps, details still unknown
- Gather school and child care facility information
 - 5 year sampling event
 - Sample from multiple taps within each facility
- Prepared for increased system lead and copper monitoring
 - Under current LCR, TMWA's monitoring requirements including 50 samples every third year due to the very low or non-detect results for lead
 - Expected new LCRI will require at least two, 6-month monitoring periods with 100 sites each
 - Possibility for reduced monitoring after the initial semi-annual monitoring period

Thank you!
Questions?

Will Raymond and Kelli Burgess

wraymond@tmwa.com

(775) 834-8138

kburgess@tmwa.com

(775) 834-8117

TMWA Board

An Update on TMWA's New Orr Ditch Hydroelectric Plant and Updated Pump Station

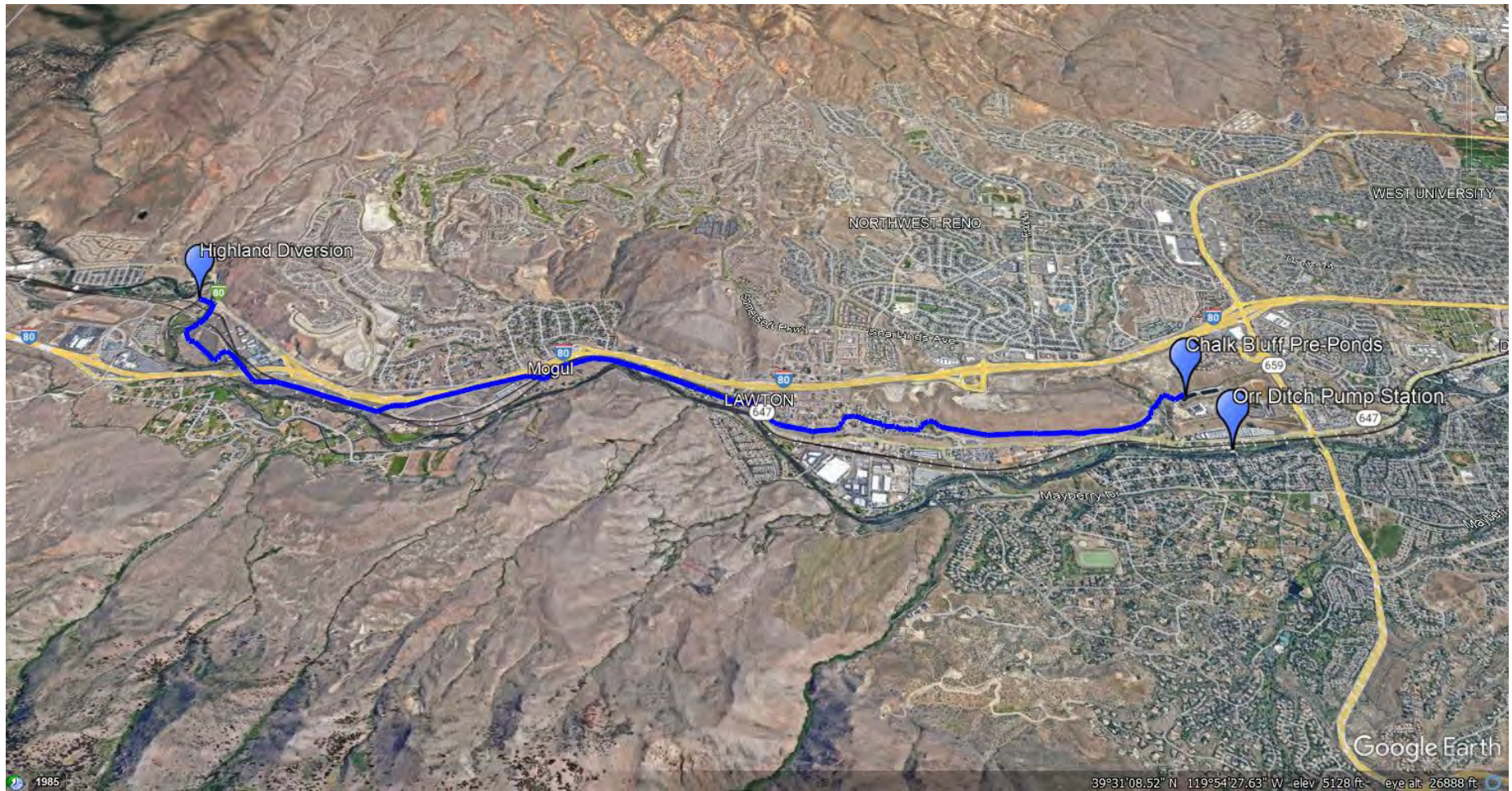
June 20, 2024



**Truckee Meadows
Water Authority**

Quality. Delivered.

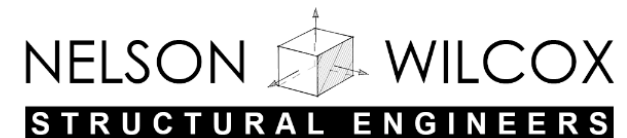
Highland Canal to Chalk Bluff



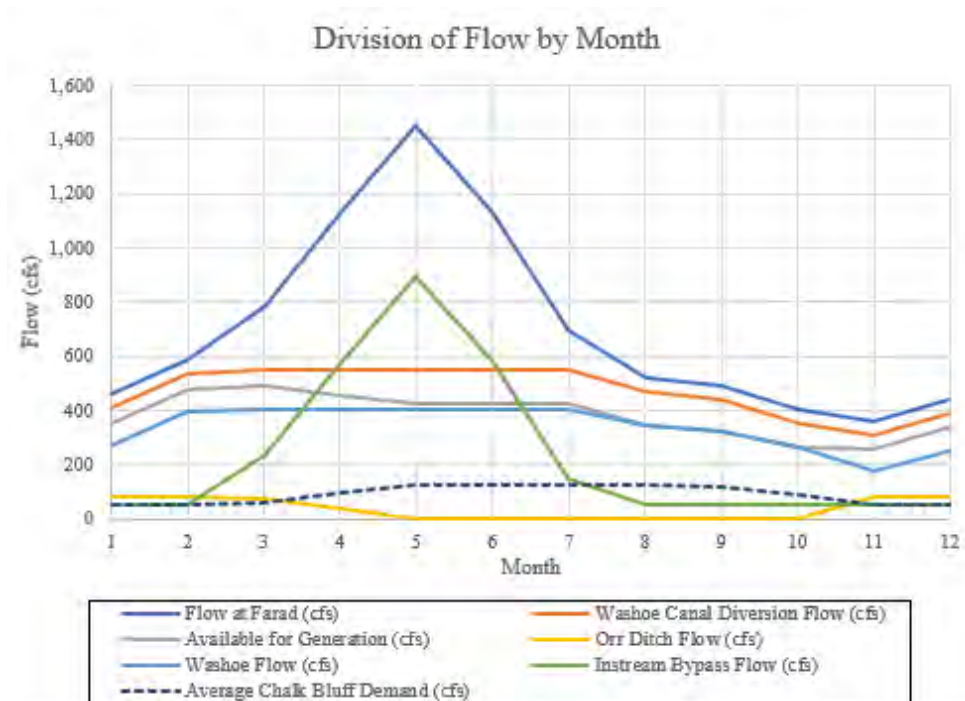
Primary Drinking Water Supply & Hydroelectric Opportunity

Orr Ditch Hydroelectric Facility And Pump Station

- Farad Settlement & Feasibility
- Project History & Scope
- Construction Update



- Average Chalk Bluff Power Demand from October through April when Orr Ditch is Generating is 5,750 MWH, maximum annual generation at Orr Ditch is 3,385 MWH (~60% of consumption)
- Average year offsetting \$300,000-\$350,000 per year
- Met FERC ‘Qualifying Conduit Hydropower Facility’





- Orr Ditch BPS Legend
- 1. Electrical/Controls Building (1994)
 - 2. West Pump Station (1994)
 - 3. Orr Ditch BPS Discharge Main (1994)
 - 4. River Intake (1995)
 - 5. East Pump Station (2008)
 - 6. Orr Ditch Intake Structure (2009)

EXISTING FACILITY



EXISTING FACILITY

Orr Ditch BPS looking NE



PROPOSED



Highland Ditch Cofferddam and Culvert



CONSTRUCTION STATUS



CURRENT STATE OF CONSTRUCTION NOVEMBER 2023

CONSTRUCTION STATUS



CURRENT STATE OF CONSTRUCTION NOVEMBER 2023

CONSTRUCTION STATUS

06-20-24 BOARD Agenda Item 9



CURRENT STATE OF CONSTRUCTION FEBRUARY 2024

CONSTRUCTION STATUS

06-20-24 BOARD Agenda Item 9



CURRENT STATE OF CONSTRUCTION APRIL 2024

CONSTRUCTION STATUS

06-20-24 BOARD Agenda Item 9



CURRENT STATE OF CONSTRUCTION JUNE 2024

Thank you!
Questions?

Danny Rotter, Director of Engineering
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O: (775) 834-8020 M: (775) 899-4406



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman
FROM: John Enloe, Operational Strategies Manager
DATE: June 10, 2024
SUBJECT: **Informational Update on Spanish Springs Water Resources**

Background

Groundwater from several wells in Spanish Springs Valley are utilized by TMWA to meet peak summer demands in that valley. Historically, on the west side of the Spanish Spring Valley, before supplying water to the public, several of the TMWA groundwater sources must be blended with treated surface water to reduce the nitrate and arsenic concentrations to meet drinking water standards. The issue has increased over time. The mitigation of these increased levels through blending is acceptable in the short-term, however, the increasing concentrations have made it necessary to identify and develop a more efficient, long-term treatment strategy to address the issue.

Discussion

TMWA has been working with Carollo Engineers on the feasibility, pilot testing and initial planning of a Spanish Springs water treatment facility since 2017. Carollo has developed and optimized the biottta® system, which is very effective in removing nitrate and arsenic from groundwater. The biottta® system consists of two biological reactors in series. Historically, ion exchange (IX), reverse osmosis (RO) and electrodialysis reversal (EDR) have been the only options for nitrate removal. RO and IX incur high operational costs due to energy requirements, waste disposal, and frequent media regeneration and change-out.

TMWA contracted with Carollo to pilot test whether the treatment process could treat for arsenic and nitrate removal cost-effectively compared to other conventional treatment technologies discussed above. The pilot study successfully demonstrated the viability of biottta® and provided critical information for sizing and costing to better assess its technical and economic viability at full-scale (2,000 gallons per minute).

TMWA and Carollo subsequently evaluated potential sites and capacity alternatives for the future treatment facility involving the biottta® treatment process. The proposed site is a City of Sparks property located along La Posada Drive west of Pyramid Highway. TMWA has been coordinating closely with the City of Sparks for the proposed joint use of a portion of their

property (2-3 acres) for the treatment facility. The balance of the 17+ acre property would be used for a planned City corporation yard and a community park.

The next phase of the project involves preliminary design of the planned treatment facility, including treatment capacity, sizing and layout of other required process components, continued coordination with the City of Sparks, and related permitting activities. TMWA is also working closely with the Great Basin Water Company (GBWC), which owns and operates the Sky Ranch Water Utility north of La Posada Drive, to determine their interest in participating in the planned treatment facility. GBWC has similar water quality issues with arsenic and nitrate in the groundwater. They are also contemplating other options, both with and without TMWA involvement, as part of their Integrated Resource Plan filing with the Nevada Public Utilities Commission.

New Business Processes Update

June 20, 2024



**Truckee Meadows
Water Authority**

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New Business Update

- Plan approval times
 - TMWA Board Goals
 - ALL Projects vs Subdivision Projects
- Development Engineering Community Outreach
- TMWA's use of Ductile Iron Pipe vs PVC Pipe
- TMWA's redundancy and reliability requirements
- Future Plans

New Business Update

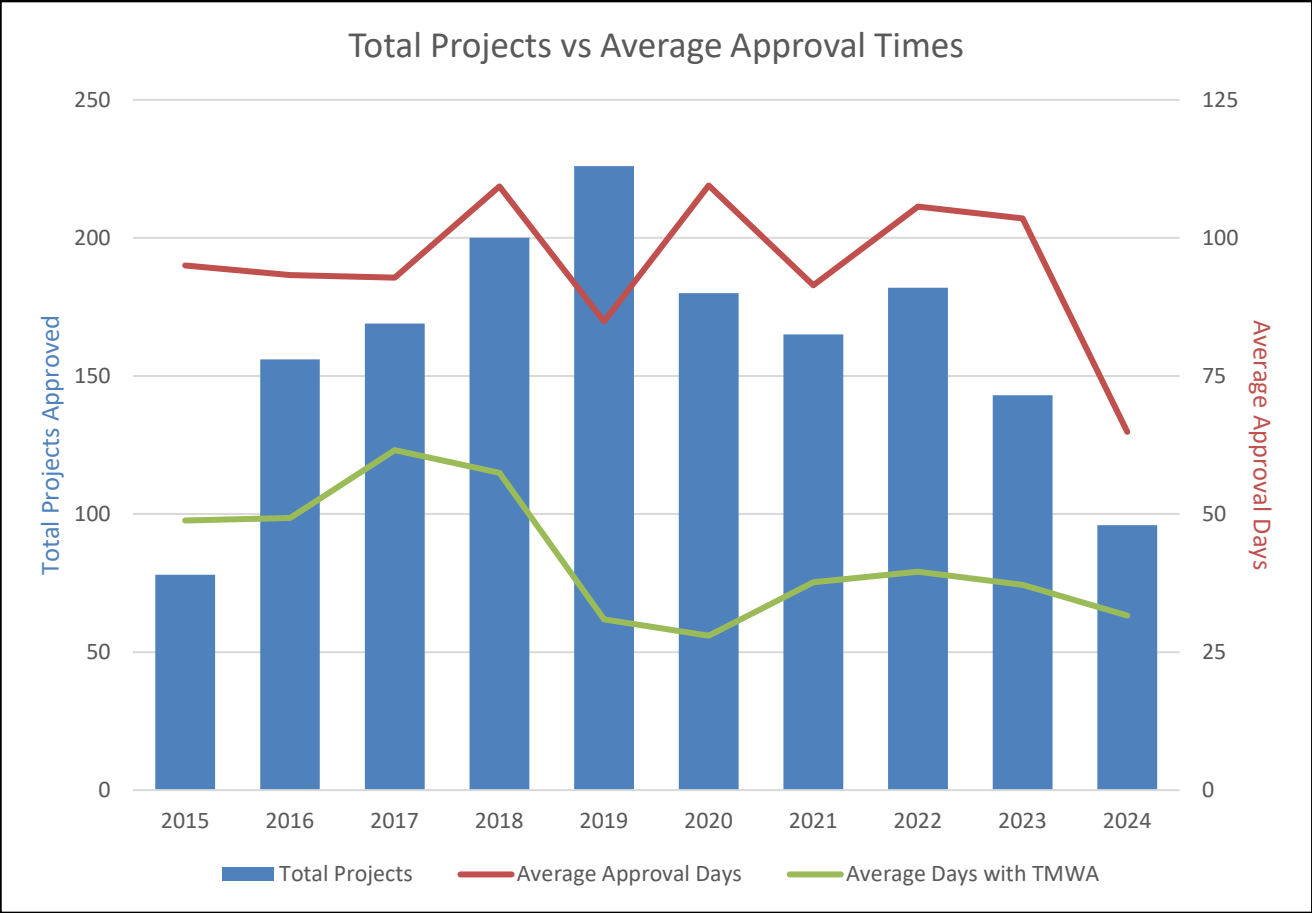
TMWA Board Goals FY15-23

3	Continue to measure and report new business turnaround times. Project Category A) Commercial with Main B) Commercial Service C) Subdivision	Number of Projects and turnaround times: 75% ≤ 30 days	% turnaround in ≤ 30 days	75%	A) 95%
					B) 96%
		100% ≤ 60 days	% turnaround in ≤ 60 days	100%	A) 100%
					B) 100%
					C) 100%

	GOALS							
	75% <30 Days	100% < 60 days	75% <30 Days	100% < 60 days	75% <30 Days	100% < 60 days	75% <30 Days	100% < 60 days
Results			<u>Commercial w Main</u>		<u>Commercial</u>		<u>Subdivision</u>	
FY15	74%	100%						
FY16			70%	100%	96%	100%	59%	98%
FY17			83%	100%	98%	100%	99%	98%
FY18			90%	100%	100%	100%	92%	100%
FY19			98%	100%	99%	100%	95%	100%
FY20			67%	100%	99%	100%	93%	100%
FY21			84%	100%	98%	100%	82%	100%
FY22			75%	100%	99%	100%	91%	100%
FY23			95%	100%	96%	100%	90%	100%

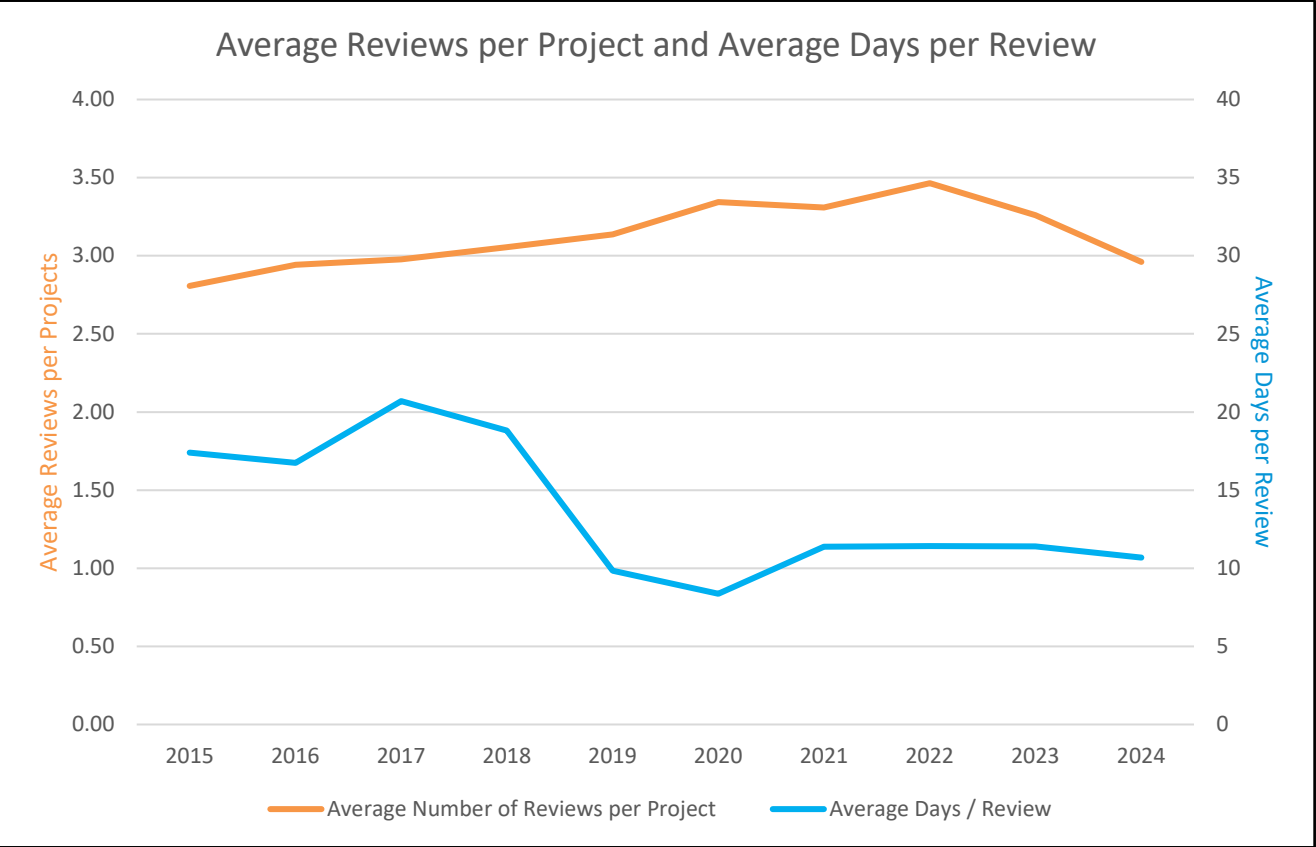
New Business Update

ALL Projects Metrics FY15-24*



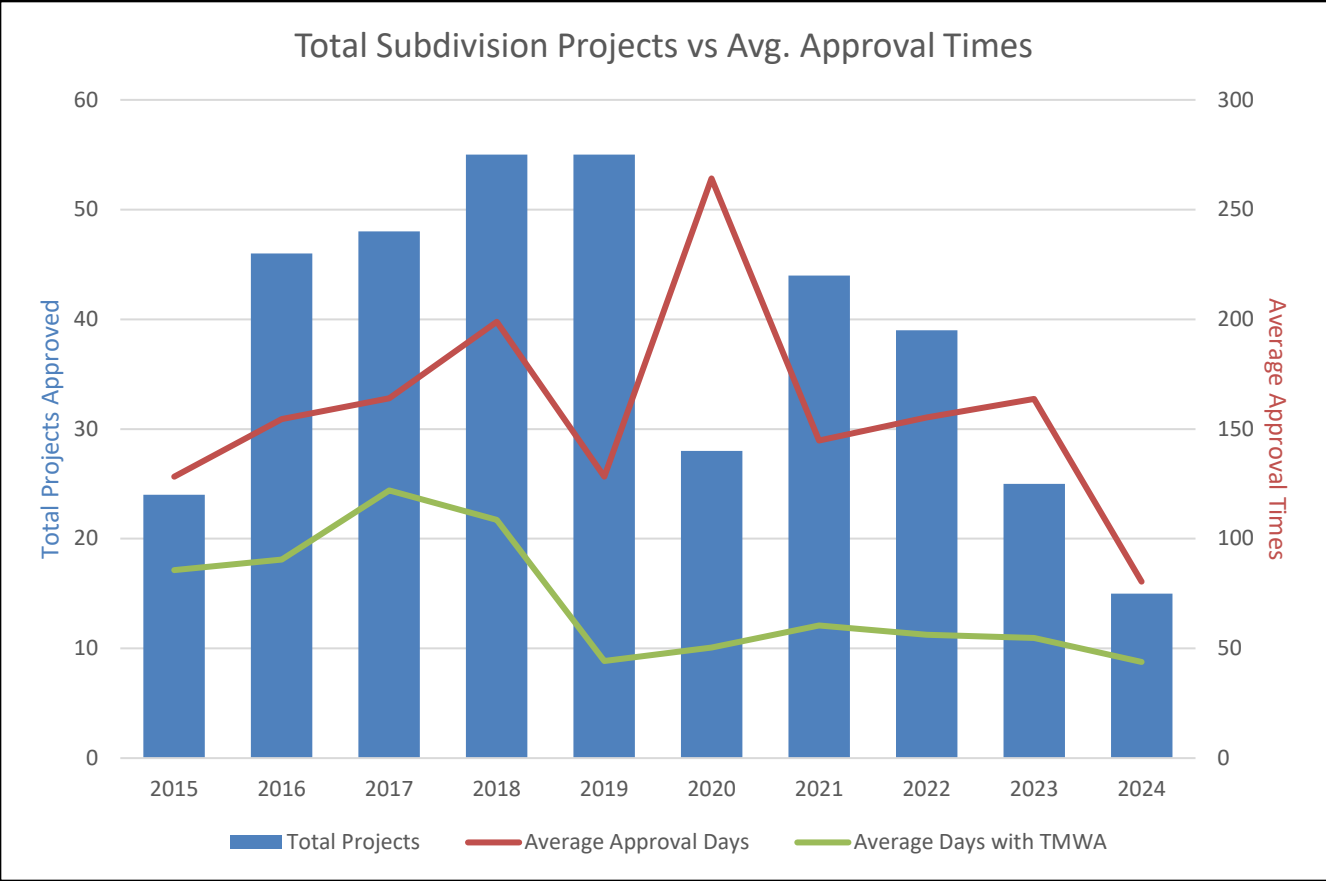
New Business Update

ALL Projects Metrics FY15-24*



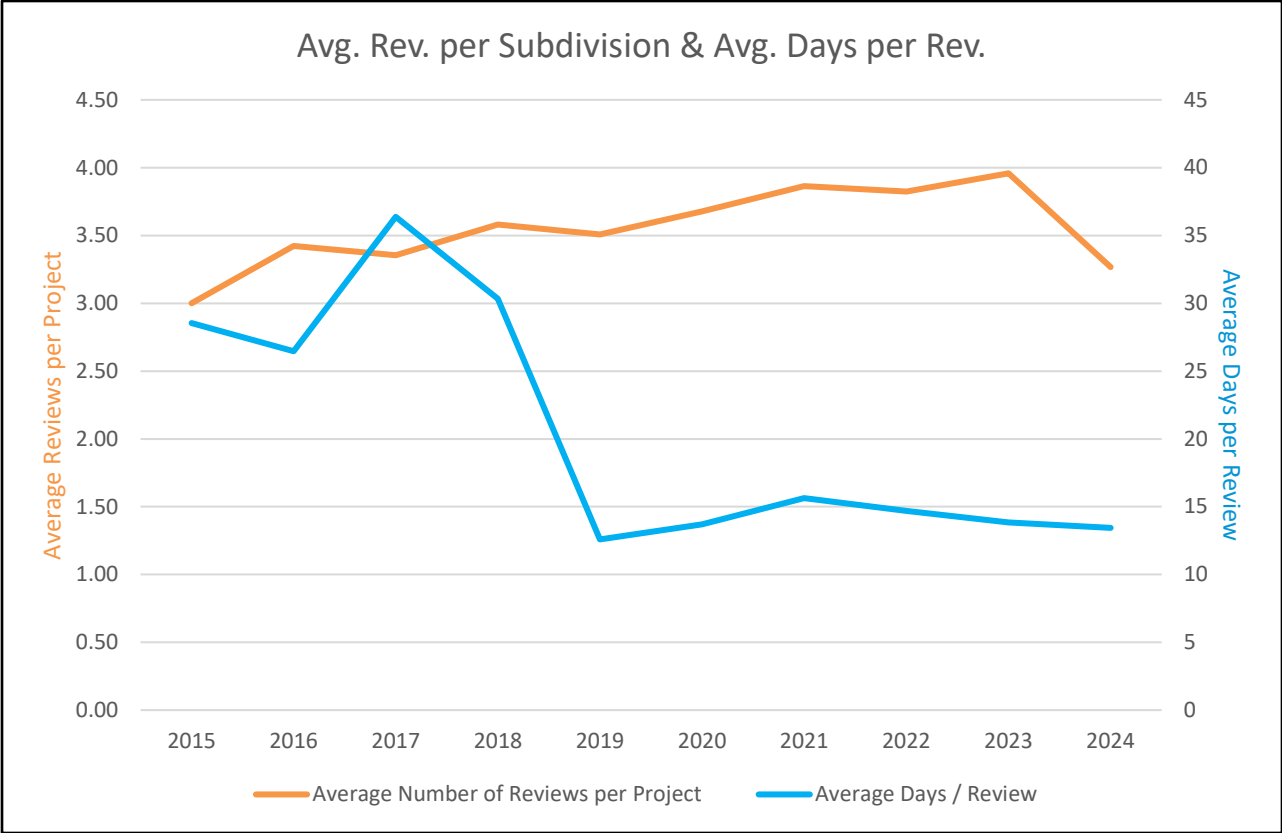
New Business Update

SUBDIVISION Projects Metrics FY15-24*



New Business Update

SUBDIVISION Projects Metrics FY15-24*



New Business Update

Development Engineering Community Outreach

- Lunch and Learn Presentations 2022/2023
- Free Preapplication Meetings
- Major redline issues, meet with firms
- Spend a lot of time talking through problem solving to meet TMWA requirements

New Business Update

TWMA's use of Ductile Iron vs PVC Pipe

Average Annual Development Dedicated Mains are 60% PVC & 40% Ductile Iron

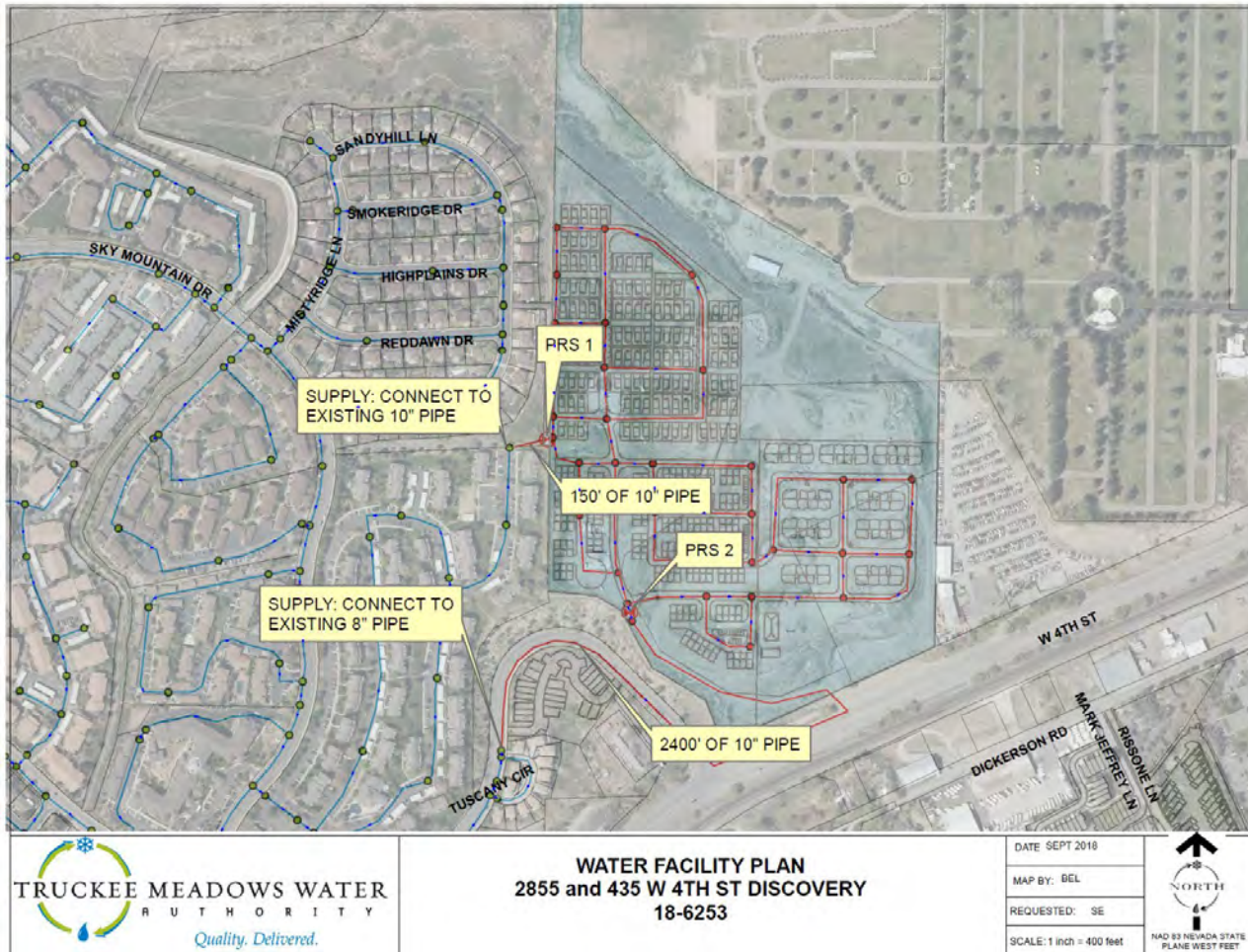


Pipe Material	Total Leaks since 2011	% of total leaks	Total Cost	% of total cost
C900	38	7%	\$656,000	25%
Ductile Iron	8	1%	\$53,000	2%

New Business Update

Redundancy and Reliability Requirements

TMWA level of service – looping mains, secondary supply sources



New Business Update

Future Plans

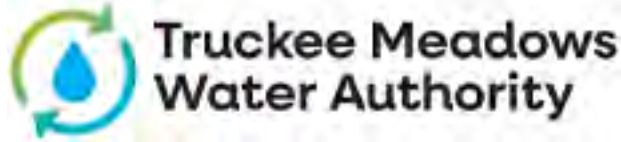
- Tips and Tricks / Quality Control Guide *Summer 2024*
- Webinars / training *Fall 2024*
- Project Portal Upgrade *Fall 2024*
 - www.projectportal.tmwa.com
- Digital Final Map Process Improvements *Ongoing*

Conclusions

- ❑ *Plan review turnaround times are steady*
- ❑ *TMWA is making efforts to educate the design community on TMWA's requirements*
- ❑ *There are always improvements to be made and TMWA is continuing to look at process efficiencies*

Thank you!
Questions?

Danny Rotter, Director of Engineering
Email: drotter@tmwa.com
O: (775) 834-8020 M: (775) 899-4406



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman
FROM: Nate Allen, Director of Natural Resources
John Enloe, Operational Strategies Manager
DATE: June 20, 2024
SUBJECT: Update on the 2025-2045 Water Resource Plan planning efforts

Summary

As presented in April 2024 to the TMWA Board, the planning process for the 2045 WRP is underway. TMWA staff is seeking feedback on a few key topics regarding the 2025-2045 Water Resource Plan (2045 WRP) that staff is planning to bring to the Board for discussion at a strategic water resource workshop, tentatively scheduled for August 19th. The section below provides a summary of a few of the proposed topics to be discussed at the workshop. The below descriptions are intended to introduce the topics to the Board so that members can be more prepared at the strategic workshop and to get any direction the Board may have at this time.

Proposed Topics for Workshop Discussion

TMWA Service Area

TMWA currently plans for water supply and demand in its service area, but as the region grows there may be additional considerations. Recommendation 1.2 in the 2020-2040 WRP states that TMWA should continue to analyze the geographic extent of its water resource planning area. Some topics for consideration include the following:

- Great Basin Water Company's Sky Ranch water system options
- Revised StoneGate Development water provider analysis
- Marlette Lake Water System (Continued discussion with the state of Nevada, Carson City and Storey County on optimization of system water resources)

Water Rights

Part of the analysis for the 2045 WRP is to update the estimate of remaining Truckee River water rights available to meet new future demands. The efficient management of the region's water rights to sustain agriculture, municipal and environmental uses is essential. The Return Flow Management Agreement is an example of efficiency and regional cooperation to meet multiple objectives.

The Governor's Office of Economic Development (GOED) has begun a statewide effort to incorporate water into the State economic incentives framework. Because of challenging Colorado River issues, the Southern Nevada Water Authority (SNWA) has already implemented a process to assess and rank businesses based on water consumption and economic benefit. TMWA staff and the Economic Development Authority of Western Nevada have been engaging with GOED to consider similar approach which, for instance, might assess water management efficiencies based on our regional benefits. Staff would like Board feedback on whether it would be valuable to consider development of an "assessment tool or evaluation matrix" for the Truckee Meadows region.

Direct Potable Reuse

Consistent with water management efficiency objectives, the first indirect potable reuse (IPR) project in Nevada is being implemented at American Flat. TMWA staff and other regional water managers are looking at other approaches to increase the resiliency of the region's water supplies while striving to improve water quality and the environment in and around the Truckee River. Direct potable reuse (DPR) is one potential approach that may provide multiple regional benefits. DPR involves the advanced treatment of effluent to drinking water standards and the direct distribution of the potable water without an environmental buffer. Nevada does not yet have a regulatory framework for DPR, but other states including Colorado and California have both adopted DPR regulations. Staff would like Board feedback on whether it would be valuable to work with other stakeholders and the State to develop DPR regulations over the next several years.



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Dan Nubel, Staff Attorney
DATE: June 20, 2024
SUBJECT: **Informational update on potential TMWA Rule updates**

The TMWA Water Rules (the “Rules”) apply to water service supplied by TMWA to its customers and require approval by TMWA’s Board of Directors. In case of disagreement or dispute regarding the application of any of these Rules, the provisions of Rule 8 (titled “Dispute Resolution”) apply. TMWA is in the process of formulating potential changes to the Rules that will streamline and, in some cases, modernize the Rules to deal with new issues that have arose since the Rules were first adopted. Below is a summary of potential changes to the Rules that TMWA is considering bringing to the Board at upcoming meetings.

RULE 5

Rule 5 applies primarily to developers of land or builders of projects that require new or modified Water System Facilities. This Rule also specifies the application process and responsibilities of Applicants and TMWA for Water System Facilities and associated costs. Proposed changes to Rule 5 will include:

- Clarification on when an application for service is considered canceled or rejected, as well as provisions for requesting time extensions.
- Additional details on requirements for applicants to install and construct certain water facilities.
- Updates to cost responsibilities for Applicants related to different types of Water System Facilities.
- Revisions to provisions around oversizing of facilities and reimbursements to Applicants for oversizing costs.
- Changes to the requirements of Water Service Agreements, including automatic termination conditions, refunds/credits for terminated agreements, and assignment of agreements.

Rule 6

Rule 6 describes the application process, cost and installation responsibilities, and requirements for installing Service and Meter Facilities for a new or modified service. This Rule is primarily used by developers of land or builders of projects who must connect to TMWA's distribution Facilities in order to receive water service. Proposed changes to Rule 6 will include:

- Clarification that Fire Facilities are not part of TMWA's public water system and that the design, installation, and maintenance of Fire Facilities are not TMWA's responsibility.
- Applicant will be responsible for all engineering design and related cost, permitting and other regulatory compliance and associated fees for Fire Facilities.
- Other provisions related to Fire Facilities.
- Add provision requiring that, for properties containing both domestic and irrigation meter services, the irrigation meter maintains the same billing status as the domestic meter.

Rule 8

Rule 8 describes the procedure for dispute resolution. In the case of disputes regarding the application of any provision of the Rules. The proposed changes to Rule 8 will include:

- Clarification of several definitions, including what constitutes a "Day" under the Rule.
- Specifying that the Rule applies to a "final decision" by TMWA to be more consistent with the provisions of NRS 233B (Nevada's Administrative Procedure Act).
- Provide for a briefing schedule between the parties to a hearing that will include (1) an opening brief by Petitioner and (2) a response brief by TMWA. These briefs will be limited to twenty (20) pages in length.
- Require the parties to identify witnesses and exchange evidence no later than five days prior to a hearing in front of the Hearing Officer.

Rule 10

Rule 10 sets forth Special Conditions and Programs that apply to water service or circumstances arising out of water service. This Rule includes provisions for the Mt. Rose-Galena Fan domestic well mitigation program. The proposed changes to Rule 10 will include:

- Additional terms relating to the calculation of reimbursement for deepening or drilling new wells.



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Sonia Folsom, Executive Assistant
DATE: June 10, 2024
SUBJECT: Discussion and action on appointment of Alex Talmant to the primary senior citizen class customer representative

Recommendation

Staff recommends to promote Alex Talmant as the senior citizen alternate representative to fill the senior citizen primary position.

Background

The SAC was created in 2005 to review budgets, rate proposals and other matters as directed by the Board. In 2016, the TMWA Board decided to remove the two appointments made by the Northern Nevada Water Planning Commission and the Office of Consumer Advocate and replace those with two at-large positions. The committee currently consists of Board-appointed representatives of ten customer classes and four other seats held by representatives of community-interest groups (**Attachment 1**). TMWA customers interested in becoming a SAC member can submit a letter of interest at any time and will be presented to the SAC when a vacancy opens for consideration.

Discussion

The attached chart reflects the proposed changes to the SAC membership. Mr. Talmant has confirmed his willingness to be appointed to the senior citizen primary position.

TMWA Standing Advisory Committee
Term Appointments
2024-2025 Membership List

Customer Class	Primary Representative	Member Since	Term Ends	Alternate Representative	Member Since	Term Ends
Wholesale (Sun Valley)	Chris Melton	2020	12/31/2025	<i>Vacant</i>		
Irrigation	Neil McGuire	2005	12/31/2024	<i>Vacant</i>		
Multi-family Residential	<i>Vacant</i>			Jonnie Pullman	2012	12/31/2025
Commercial	John Krmptotic	2020	12/31/2025	Ryan Greenhalgh	2024	12/31/2025
Senior Citizen	Alex Talmant	2021	12/31/2025	<i>Vacant</i>		
At-Large 1	Ken McNeil	2013	12/31/2024	<i>Vacant</i>		
At-Large 2	Jordan Hastings	2017	12/31/2024	<i>Vacant</i>		
Residential:						
Representative 1	Dale Sanderson	2017	12/31/2024	<i>Vacant</i>		
Representative 2	Fred Arndt	2017	12/31/2024	<i>Vacant</i>		
Representative 3	Jerry Wager	2014	12/31/2024	Kevin Ryan	2021	12/31/2025
Appointments:						
BANN	Colin Hayes	2010	12/31/2025	Justin McDougal	2024	12/31/2025
Reno-Sparks Chamber	Brian Bosma	2024	12/31/2025	Conner Naisbitt	2024	12/31/2025



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman
DATE: June 10, 2024
SUBJECT: **Discussion and action on nomination and election of Chair and Vice Chair and request for Board adoption of Resolution No. 328 appointing a Chair and Vice Chair for Fiscal Year 2025**

The Cooperative Agreement forming TMWA requires the Board to appoint a Chair and Vice Chair to serve one year terms coinciding with the fiscal year. Said appointments would take effect July 1, 2024 and continue through June 30, 2025.

TRUCKEE MEADOWS WATER AUTHORITY

RESOLUTION NO. 328

A RESOLUTION TO APPOINT OFFICERS

WHEREAS, pursuant to the Truckee Meadows Water Authority Cooperative Agreement among the City of Reno, City of Sparks, and County of Washoe, the Board of Directors is required to appoint a chair and a vice chair from its membership; and

WHEREAS, the officers appointed are to hold office for a period of one year commencing the first day of each fiscal year; and

WHEREAS, the last day of the current fiscal year is June 30, 2024, and the terms of the current officers will expire as of that date,

NOW, THEREFORE, BE IT RESOLVED that the Board hereby appoints:

_____ to serve as its chair for the fiscal year beginning July 1, 2024.

Upon motion of _____, second by _____, the foregoing Resolution was passed and adopted June 20, 2024, by the following vote of the Board:

Ayes: _____
Nays: _____
Abstain: _____
Absent: _____

and

_____ to serve as its vice-chair for the fiscal year beginning July 1, 2024.

Upon motion of _____, second by _____, the foregoing Resolution was passed and adopted June 20, 2024 by the following vote of the Board:

Ayes: _____
Nays: _____
Abstain: _____
Absent: _____

Approved June 20, 2024

Chair
Truckee Meadows Water Authority



STAFF REPORT

TO: Board of Directors
FROM: John R. Zimmerman, General Manager
DATE: June 10, 2024
SUBJECT: General Manager's Report

TMWA is a member of the American Water Works Association (AWWA) and Association of Metropolitan Water Agencies (AMWA). On June 10, 2024, both organizations (“Petitioners”) filed a petition for review challenging the EPA’s “PFAS National Primary Drinking Water Regulation” with the DC Circuit of the United States Court of Appeals. AMWA and AWWA are asking the court to verify that EPA constructed the PFAS regulation according to the letter and spirit of the Safe Drinking Water Act, and to give EPA an opportunity to revisit any components of the rule that fell short of those requirements. Petitioners allege that the “EPA did not rely on best available science and the most recent occurrence data, and used novel approaches as the basis for certain portions of the rule.” Further, Petitioners state that they “are seriously concerned about the impact of this rule on water affordability, particularly for households that struggle to pay for essential needs,” and that “EPA has significantly underestimated the costs of this rule and the adverse impact that it will have on individual water users.”

The court has ordered that Petitioners file a Statement of Issues to be Raised in the case by July 10, 2024. The court further ordered that motions with potential to resolve all or parts of the case, if any, must be filed by July 22, 2024. Staff will update the Board regarding this litigation as appropriate.

Attached please find the written reports from the Management team including the Operations Report (*Attachment A*), the Water Resource and the Annexation Activity Report (*Attachment B*), and the Customer Services Report (*Attachment C*).

Last month we received a thank you card from a customer expressing their gratitude towards Ryder Karnuth, Seasonal Water Conservation Consultant, who helped her when she tripped and fell on the sidewalk while walking with her husband. Mr. Karnuth then took them home safely (**see attached**).

Also, listed below are news clippings from May 14, 2024 through June 10, 2024:

- 05/14/24 [Farmers may soon sell water rights to Nevada on a larger scale](#) LVRJ
- 05/15/24 [100 volunteers gather Tahoe water quality data for 24th Snapshot Day](#) YubaNet
- 05/12/24 [Partnership restores over 60,000 acres and protect nearby communities from wildfire](#) YubaNet
- 05/17/24 [EPA Announces Final Rule on Required Water Quality Reports](#) EPA
- 05/20/24 [Nevada Parks and Wildlife Projects to benefit from \\$350 Million in Federal Land Sales](#) Nevada Independent
- 05/18/24 [Sierra snowmelt causing higher, faster and colder Truckee River flows](#) KRNV

- 04/20/24 [Southern Utah city's new smart water meters to detect leaks, promote water conservation](#) SLC tribune
- 05/28/24 [Water Recycling in SoCal Gets Major Funding Boost from Federal Government](#) Business Wire
- 06/02/24 [Lake Tahoe Full for the First Time in Five Years](#) Time Magazine
- 06/06/24 [Seed shortage plagues Nevada for post wildfire restoration](#) Nevada Independent
- 06/07/24 [Statement from AWWA and AMWA on petition for judicial review of PFAS regulation](#) AWWA
- 06/07/24 [Reno City Council approves \\$2.1M for Truckee River Improvements](#) ThisIsReno

My husband and I wanted
you to know what a great
young man you have working for
you. We didn't get his last
name but would appreciate it
if you would see that he gets
our thank you note.

Sincerely,
Sally & Harry
Ditty

Dear TMWA,

I am writing to tell you that you
have a wonderful employee named
Ryder.

My husband and I were walking
near our home on Rutherford Drive
on Saturday morning. I tripped
over an uneven sidewalk and went
crashing to the concrete face first.
I was bleeding and in shock when
Ryder was driving by and saw me
on the sidewalk. He immediately
stopped and ran over to see if there
was anything he could do to help. He
waited patiently while my husband
finally was able to get me up. Ryder
took us home safely. He was so kind
and caring and considerate - he went
way out of his way to help a
stranger.

From: WEBSITE: Comments to the Board <info@waterforms.net>
Sent: Friday, May 31, 2024 8:55 AM
To: Westlake, Marci <mwestlake@tmwa.com>
Subject: New submission from Comments to the Board

Name
Mario [REDACTED]
Email
[REDACTED]
Account Number
[REDACTED]
Comments
<p>My May bill jumped from what \$33.05 to \$75.79 which I thought was unusual but could have been attributed to a price increase or higher usage. Two days ago a representative from TMWA personally notified me that there could be a water leak.</p> <p>There was a water leakage that I was unaware of and I am repairing the problem now. Today I received a bill for this month in the amount of \$547 which I cannot afford to pay because I am a senior citizen on a fixed income. I spoke to a supervisor who told me they can give me an adjustment of \$219 and put me on a payment plan. I do not think that I should be responsible for the excess over my normal monthly bill. I feel that TMWA should bare responsibility for the increase because I was not notified that there could have been a problem sooner.</p> <p>I am now requesting a further adjustment because I think the process is unfair and that I should not be liable for something I could not know about. I would like to pursue this matter further and would like to know who I can speak to that has the power to correct this issue.</p>

Our vision is to enhance the quality of life in the Truckee Meadows by delivering exceptional, customer-focused water services.



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Bill Hauck, Water Supply Supervisor
DATE: June 10, 2024
SUBJECT: June 2024 Water Operations Report

SUMMARY

- The Sierra Nevada had its second above average winter in a row.
- The entire state of California, and vast majority of Nevada is completely drought-free.
- Lake Tahoe is currently full.
- All other reservoirs on the Truckee River system are about full as well.
- As a result, normal Truckee River flows are projected for at least the next 2-3 years.
- This means normal water supply operations once again for TMWA.
- The water supply outlook for the region is exceptional.
- Hydroelectric generation for May 2024 was \$375,620 (@ 4,913 MWh).

(A) Water Supply

- **River Flows** - Truckee River discharge at the CA/NV state line was about 1,000 cubic feet per second (CFS) this morning. This is right at the 115-year median for Farad at 996 CFS. Flows will begin to taper off now that the runoff season is beginning to wind down.
- **Reservoir Storage** - Overall, Truckee River reservoir storage is ~97% of capacity. The elevation of Lake Tahoe is 6229.03 feet (0.07' from maximum legal elevation). Storage values for each reservoir as of June 10th are as follows:

Reservoir	Current Storage (Acre-Feet)	% Capacity (Percent)
Tahoe	736,000	99%
Boca	34,618	85%
Stampede	215,118	95%
Prosser	28,207	95%
Donner	9,500	100%
Independence	17,500	100%

In addition to the 27,000 acre-feet of storage between Donner and Independence reservoirs, TMWA also has 12,850 acre-feet of water stored in Stampede reservoir under the terms of TROA. TMWA's total combined upstream reservoir storage as of this writing is approximately 39,850 acre-feet.

- **Outlook** - With Lake Tahoe at its legal maximum storage elevation and the remaining Truckee River reservoirs almost entirely full, the water supply outlook for the region is about as good as it could ever be. The entire state of California and the vast majority of Nevada are now completely drought-free. So, with a fully recharged system of upstream storage reservoirs, and the prospect of normal river flows for the next two to three years regardless of what happens next winter, the state of the regional water supply is excellent.

(B) Water Production

- **Demand** - TMWA customer demand averaged one hundred twenty (120) million gallons per day (MGD) this past week. Surface water made up 79% of our overall supply, and groundwater pumping the other 21%. Our peak demand day for the year to date (YTD) was 128 MGD on Thursday June 6th.

(C) Hydro Production

Generation - The average flow in the Truckee River at Farad (CA/NV state line) during the month of May was 1,350 CFS. All three of TMWA's hydro-electric plants were on-line every day of the month and 100% available.

Statistics and generation for the month are as follows:

Plant	Generation Days	% Availability	Generation (Megawatt Hours)	Revenue (Dollars)	Revenue (Dollars/Day)
Fleish	31	100%	1,782	\$137,113	\$4,423
Verdi	31	100%	1,650	\$125,777	\$4,057
Washoe	31	100%	1,481	\$112,730	\$3,636
Totals	93	-	4,913	\$375,620	\$12,116



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Eddy Quaglieri, Water Rights Manager
DATE: June 7, 2024
SUBJECT: **Water Resources and Annexation Activity Report**

RULE 7

Rule 7 water resource purchases and will-serve commitment sales against purchased water resources through this reporting period:

Beginning Balance		3,440.12 AF
Purchases of water rights	2.27 AF	
Refunds	0.00 AF	
Sales	-73.29 AF	
Adjustments	0.00 AF	
Ending Balance		3,369.10 AF

Price per acre foot at report date: \$8,000

FISH SPRINGS RANCH, LLC GROUNDWATER RESOURCES

Through the merger of Washoe County's water utility, TMWA assumed a Water Banking and Trust Agreement with Fish Springs Ranch, LLC, a subsidiary of Vidler. Under the Agreement, TMWA holds record title to the groundwater rights for the benefit of Fish Springs. Fish Springs may sell and assign its interest in these groundwater rights to third parties for dedication to TMWA for a will-serve commitment in Areas where TMWA can deliver groundwater from the Fish Springs groundwater basin. Currently, TMWA can deliver Fish Springs groundwater to Area 10 only (Stead-Silver Lake-Lemmon Valley). The following is a summary of Fish Springs' resources.

Beginning Balance		7,354.34 AF
Committed water rights	- AF	
Ending Balance		7,354.34 AF

Price per acre foot at report date: \$45,753.75 (SFR and MFR); \$39,690 (for all other services)¹

¹ Price reflects avoided cost of Truckee River water right related fees and TMWA Supply & Treatment WSF charge.

WATER SERVICE AREA ANNEXATIONS

Since the date of the last report, there have been 0.00 acres annexed into TMWA's service area.

INTERRUPTIBLE LARGE VOLUME NON-POTABLE SERVICE

No new ILVNPS customers have been added during this reporting period.



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Marci Westlake, Manager Customer Service
DATE: June 20, 2024
SUBJECT: **May Customer Service Report**

The following is a summary of Customer Service activity for May 2024

Ombudsman Report – Kim Mazeres

- Customer was cut out for non-payment last fall. Said she has had no communications from the collection agency and can't get ahold of anyone there. She wants to know what she needs to do to get her water back on. Confirmed that customer needs to be dealing with the collections agency in order to pay what she owes in order to get her water back on. I then called them (BPCS), got ahold of someone immediately, and asked them to contact the customer. Left customer a message asking if BPCS had gotten ahold of her, advising her to call if she had further concerns. She called back. Said BPCS had not called her, she is going to get an attorney. I called BPCS, who indicated they had called her (left a message). Customer called back again and wanted to know what time the Board meeting is on 5/23 — gave her time and location. She did not show up at the meeting.
- There is confusion between customer's account and his deceased mother's account. He took over her home and believed her final bill to be paid, yet a balance has been transferred to his account. A check was also sent to the customer for \$93. Customer Service Manager will straighten out the two accounts and contact the customer.

Communications – Public Outreach – May

- Smart About Water Day- All Things Water and 200 people attended.
- Darrin Garland had a tour of Chalk Bluff Water Treatment Plant for Water Treatment Process and 18 people attended.
- Darrin Garland, Brett Coffman, Stacey Rice and Bill Hauck had a Water Supply Outlook, Water Treatment Process and Water Quality at Chalk Bluff Water Treatment Plant and 30 people attended.
- Cameron Shultz, Darrin Garland and Brett Coffman had a Careers in Water Treatment/Water Treatment Process at Chalk Bluff Water Treatment Plant and 25 people attended.
- Darrin Garland and Josh Cairns had two Water Treatment Process tours and 77 people attended.
- Kara Steeland had an Overview of TMWA watershed protection projects at the Verdi Hydroelectric Plant and 20 people attended.

Conservation (2024 Calendar year)

- 327 Water Usage Reviews
- 1,897 Water Watcher Contacts

Customer Calls – May

- 6,944 phone calls handled.
- Average handling time 5 minutes 38 seconds per call.
- Average speed of answer :19 seconds per call.

Billing – May

- 137,853 bills issued.
- 58,874 customers (42%) have signed up for paperless billing to date, which equates to an annual savings of \$ 423,892.28.

Remittance – May

- 15,101 Mailed-in payments.
- 22,836 Electronic payments.
- 54,850 Payments via AutoPay (EFT)
- 15,917 One-time bank account payments.
- 783 Pay by Text
- 4,005 IVR Payments.
- 854 Reno office Payments.
- 53 Kiosk Payments.

Collections – May

- 14,672 accounts received a late charge.
- 3,161 Mailed delinquent notices, 0.02% of accounts.
- 809 accounts eligible for disconnect.
- 665 accounts were disconnected. (Including accounts that had been disconnected-for-non-payment that presented NSF checks for their reconnection)
- 0.14% write-off to revenue.

Meter Statistics – Fiscal Year to Date

- 6,018 Meter exchanges completed.
- 1,671 New business meter sets completed.

Service Line Warranties of America Statistics

- 11,401 Policies
- 9,121 Customers
- 151 Jobs Completed
- \$333,240. Customer Savings