



TRUCKEE MEADOWS WATER AUTHORITY

Board of Directors

AGENDA

NEW DAY: Thursday, May 23, 2024 at 10:00 a.m.

Sparks Council Chambers, 745 4th Street, Sparks, 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_RtYZbslqIdTYlbUf_eHiyLK2VIw.GjiPvgdr9D35cFr

Passcode: 771487

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Phone: (888) 788-0099

Webinar ID: 891 1051 2999

Board Members

Chair Kristopher Dahir – City of Sparks

Paul Anderson – City of Sparks

Jenny Brekhus – City of Reno

Devon Reese – City of Reno

Vice Chair Naomi Duerr – City of Reno

Alexis Hill – Washoe County

Clara Andriola – Washoe County

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.

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 April 17, 2024 meeting of the TMWA Board of Directors **(For Possible Action)**
7. PUBLIC HEARING ON ADOPTION OF BUDGET
 - 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 and David Diegle **(For Possible Action) (10min)**
 - B. Public comment — limited to no more than three minutes per speaker*CLOSE PUBLIC HEARING
8. PUBLIC HEARING ON RATE AMENDMENTS
 - 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 — David Kershaw and Danny Rotter **(For Possible Action) (10min)**
 - B. Public Comment — limited to no more than three minutes per speaker*CLOSE PUBLIC HEARING
9. Presentation of Fiscal Year 2024 Q3 year-to-date financial results – Matt Bowman* **(10min)**
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 and Justina Caviglia **(For Possible Action) (5min)**
11. General Manager’s Report* **(5min)**
12. Public comment — limited to no more than three minutes per speaker*
13. Board comments and requests for future agenda items*
14. Adjournment **(For Possible Action)**

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TRUCKEE MEADOWS WATER AUTHORITY
DRAFT MINUTES OF THE APRIL 17, 2024
MEETING OF THE BOARD OF DIRECTORS

The Board of Directors met on Wednesday, April 17, 2024 at Sparks Council Chambers. Chair Dahir called the meeting to order at 10:00 a.m.

1. ROLL CALL

Directors Present: Paul Anderson, *Clara Andriola, , Kristopher Dahir, Naomi Duerr, Alexis Hill, and **Devon Reese.

Directors Absent: Jenny Brekhus

**Director Andriola left the meeting at 11:29 a.m.*

***Director Reese attended virtually via Zoom and left the meeting at 11:33 a.m.*

A quorum was present.

2. PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by John Zimmerman, TMWA General Manager.

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

6. APPROVAL OF THE MINUTES OF THE MARCH 20, 2024 MEETING

Upon motion by Director Anderson, second by Director Andriola, which motion duly carried by unanimous consent of the Directors present, the Board approved the March 20, 2024 minutes.

7. DISCUSSION AND ACTION ON APPOINTMENTS TO THE STANDING ADVISORY COMMITTEE (SAC) TO FILL THE COMMERCIAL CUSTOMER ALTERNATE REPRESENTATIVE, AND OTHER POSSIBLE VACANCIES FOR TERMS BEGINNING MAY 1, 2024 TO DECEMBER 31, 2025 FROM THE FOLLOWING POOL OF CANDIDATES LISTED IN ALPHABETICAL ORDER: RYAN GREENHALGH

Sonia Folsom, TMWA Executive Assistant, presented the staff report and introduced Ryan Greenhalgh.

Mr. Greenhalgh expressed gratitude for the opportunity to join the Standing Advisory Committee, citing his extensive experience and longstanding presence in the community as assets that would allow him to make meaningful contributions.

Upon motion by Director Andriola, second by Director Duerr, which motion duly carried by unanimous consent of the Directors present, the Board approved the appointment of Ryan Greenhalgh to the Standing Advisory Committee to fill the commercial customer alternate representative vacancy for term beginning May 1, 2024 to December 31, 2025.

8. WATER SUPPLY UPDATE

Bill Hauck, TMWA Water Supply Supervisor, reported that the Sierra Nevada snowpack building season ended on an extremely positive note, Lake Tahoe Basin snowpack officially measured at 114% of normal on April 1st, above average runoff is projected for the Truckee River, all upstream reservoirs (including Lake Tahoe) will completely fill this year, normal river flows are projected for at least the next two years (2024 and 2025) and into 2026 based on that fact, and this means normal water supply operations for TMWA.

9. PRESENTATION ON PROPOSED CONSERVATION, COMMUNICATIONS AND OUTREACH PLAN FOR 2024, DISCUSSION AND POSSIBLE DIRECTION TO STAFF

Robert Charpentier, TMWA Communications Specialist, and Cammy Elquist LoRé, Good Standing Senior Strategist, presented the 2024 Communications and Outreach Plan.

Chair Dahir suggested certifying student participation for transcript recognition, adding City of Sparks and Washoe County logos to the stakeholder map, and presenting the communication plan to the respective agencies.

Director Anderson discussed engaging community influencers and ensuring outreach to all areas of the community, especially areas where they may not have a voice. Ms. LoRé said they have a decent roster of people taking tours in California and working with data instincts, Mark Milan, whom people have reached out to, as well as a letter of endorsement from The Nature Conservancy. Mr. Charpentier encouraged members of the Board to weigh in on social media when they see conversations happening surrounding TMWA projects since they are well informed and have credibility in the community.

Director Brekhus emphasized the connection between housing affordability and utility costs. John Zimmerman, TMWA General Manager, added that the finance staff explains this to the public at Smart About Water Day.

Director Hill said she was also impressed with the education curriculum and involving the community teachers and students, and proposed involving PBS and creating a slogan for the A+ Water Facility project. Ms. LoRé replied they have been involved with PBS and made a video for their STEM works program on water treatment and operator jobs, but can look into the teacher tours.

Director Duerr praised the outreach efforts and suggested coordination with the Water Education Training (WET) program.

No action taken.

10. PRESENTATION ON PROPOSED PLANNING PROCESS FOR THE 2025-2045 WATER RESOURCE PLAN

Kara Steeland, TMWA Senior Hydrologist and Watershed Coordinator, presented the planning process for the 2025-2045 Water Resource Plan, highlighting a preliminary timeline and an upcoming policy workshop in August, similar to previous planning processes. The kickoff for the plan will be at Smart About Water Day, featuring an interactive activity to engage the public.

Director Duerr expressed interest in potential structural changes to the document and inquired about its availability on the website for community outreach, including drafts and data. Ms. Steeland explained that the plan will resemble the current one but will feature a standalone executive summary and a new webpage on the website. Updates will include regional challenges, current and future resources (such as groundwater banking and direct potable use), a reanalysis of climate change scenarios, and a 500-year hydrologic tree ring study in the Truckee River by Bill Hauck, TMWA Water Supply Supervisor.

Director Hill echoed Director Duerr's sentiment regarding keeping constituents informed throughout the planning process.

Director Duerr asked about the timeline for presenting the plan to the Board. Ms. Steeland indicated that they plan to return before the August policy workshop to provide an update to the Board.

No action taken.

11. PRESENTATION AND INFORMATIONAL REPORT ON PROPOSED FUTURE ADJUSTMENTS TO SCHEDULE WSF FEES

Danny Rotter, TMWA Engineering Director, and David Kershaw, TMWA Engineering Manager, presented proposed changes to the WSF charges, noting that the last increase was two years ago. Chair Dahir inquired about the substantial increase in cost, attributing it to materials or workload. Mr. Rotter explained that the increase reflects rising material costs, especially during the COVID period, and the need to adjust pricing based on current market conditions.

Director Duerr sought clarification on the calculation of charges and how they vary across different areas. Mr. Rotter explained that charges differ based on projected growth in each area.

Chair Dahir requested staff to provide updated cost projections for the next month, considering both 20-year projections and current costs.

Director Brekhus asked about fee collection practices. Mr. Rotter mentioned the option to defer fees for single-family units during economic downturns and the challenges of tracking deferred fees.

Director Anderson acknowledged concerns from developers about the increases and emphasized the Board's careful consideration of affordability issues.

Director Hill inquired about TMWA's policy on assisting affordable housing projects. Mr. Rotter stated TMWA does not subsidize projects based on different classes.

Director Duerr suggested exploring options like Reno's waiving of certain fees for affordable housing projects.

Mr. Zimmerman mentioned that staff would provide an overview of the New Business process in June.

12. PUBLIC HEARING ON RATE AMENDMENTS

OPEN PUBLIC HEARING

A. INTRODUCTION AND FIRST READING OF AMENDMENTS TO TMWA RATE SCHEDULE WSF – WATER SYSTEM FACILITY (WSF) CHARGES REVISING AREA FEE, SUPPLY AND TREATMENT, AND STORAGE UNIT COSTS

Mr. Rotter noted the proposed redline changes to the WSF charges are included in both agenda items #11 and #12.

Upon motion by Director Duerr, second by Director Hill, which motion duly carried by unanimous consent of the Directors present, the Board approved to refer to a second reading of amendments to 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

13. DISCUSSION AND ACTION ON RESOLUTION NO. 324: A RESOLUTION CONCERNING THE FINANCING OF WATER PROJECTS; DECLARING THE TRUCKEE MEADOWS WATER AUTHORITY'S INTENT REGARDING REIMBURSEMENT FROM ONE OR MORE FUTURE BOND ISSUES; AUTHORIZING AUTHORITY REPRESENTATIVES TO REQUEST THAT SUCH BONDS IN THE MAXIMUM AGGREGATE PRINCIPAL AMOUNT OF \$55,000,000 BE PURCHASED BY THE STATE OF NEVADA ACCOUNT FOR THE REVOLVING FUND; AND PROVIDING THE EFFECTIVE DATE

Matt Bowman, TMWA Chief Financial Officer, presented a resolution for Board consideration, emphasizing its non-binding nature as an indication of TMWA's commitment to pursue financing through the State of Nevada's State Revolving Fund (SRF) loan program for the American Flat Facility to the Nevada Division of Environmental Protection (NDEP).

Director Hill commended staff for pursuing state funding opportunities and suggested looking into the Nevada State Infrastructure Bank for additional funding, especially considering the need for more projects in the north.

Director Brekhus expressed concern about delays in the project timeline and reimbursement from Reno. Mr. Bowman clarified the funding split between Reno and TMWA and stated that while Reno has reimbursed TMWA, the project progress has been slower than anticipated. Mr. Rotter added that a detailed update was provided at the last meeting, including a Gantt chart, which he can send.

Director Brekhus indicated she would vote against the resolution due to concerns about the partnership and differences in bond backing between TMWA and Reno.

Director Reese expressed admiration for the efforts of both TMWA and Reno staff on the project.

Upon motion by Director Anderson, second by Director Hill, which motion duly carried five to one with Director Brekhus dissenting, the Board adopted Resolution No. 324: A resolution concerning the financing of water projects; declaring the Truckee Meadows Water Authority's intent regarding reimbursement from one or more future bond issues; authorizing authority representatives to request that such bonds in the maximum aggregate principal amount of \$55,000,000 be purchased by the state of Nevada account for the revolving fund; and providing the effective date.

14. DISCUSSION AND POSSIBLE ACTION ON ADOPTION OF RESOLUTION NO. 325: A RESOLUTION TO APPROVE FUNDING FOR ONE OR MORE OF THE PROJECTS RECOMMENDED BY THE TRUCKEE RIVER FUND ADVISORY COMMITTEE AND AN AUTHORIZATION FOR THE COMMUNITY FOUNDATION OF NORTHERN NEVADA TO FUND SUCH PROJECTS FROM FUND PROCEEDS (RESOLUTION MAY REFLECT ACTION TAKEN IN ONE OR MORE VOTES ON RECOMMENDED PROJECTS)

Ms. Folsom and Kara Steeland, TMWA Senior Hydrologist and Watershed Coordinator, presented the staff report.

Director Hill suggested contacting Reno to apply for the next round of funding. Ms. Folsom responded that Reno staff have been informed, with additional employees added to the distribution list for future grant cycles.

Chair Dahir emphasized the importance of ensuring that funds are allocated appropriately, particularly for projects downstream of TMWA's service area. He highlighted the need for collaboration with downstream jurisdictions and emphasized the importance of clear instructions for future requests for proposals to ensure careful allocation of funds.

Upon motion by Director Hill, second by Director Duerr, which motion duly carried by unanimous consent of the Directors present, the Board adopted Resolution No. 325: A resolution to approve funding for one or more of the projects recommended by the Truckee River Fund Advisory Committee and an authorization for the Community Foundation of Northern Nevada to fund such projects from Fund proceeds.

15. DISCUSSION AND ACTION, AND POSSIBLE DIRECTION TO STAFF REGARDING THE APPOINTMENT OF EDMUND (EDDY) QUAGLIERI TO REPRESENT TMWA ON THE CARSON-TRUCKEE WATER CONSERVANCY DISTRICT (CTWCD) BOARD

Mr. Zimmerman introduced Eddy Quaglieri, TMWA Water Rights Manager, recommended to replace John Enloe, TMWA Director of Natural Resources, on the CTWCD Board. He added the Governor makes the final appointment.

Mr. Quaglieri said he maintained the Truckee River from Glendale to Wadsworth for the State Engineer for flood capacity and is excited to work on the upper half of the Truckee

Upon motion by Director Duerr, second by Director Hill, which motion duly carried by unanimous consent of the Directors present, the Board approved the appointment of Edmund (Eddy) Quaglieri to represent TMWA on the Carson-Truckee Water Conservancy District Board.

16. GENERAL MANAGER'S REPORT

Mr. Zimmerman provided updates on succession planning efforts, including job shadowing, lunch and learns, and diversity workshops. He also noted the progress of Chalk Bluff Water Treatment Plant tours for employees and board members. Additionally, Mr. Rotter and Mr. Kershaw's team will continue scheduling workshops and maintaining an open line of communication with developers experiencing delays or setbacks. Finally, Mr. Zimmerman reminded the Board about Smart About Water Day on Saturday, May 4th, at the McKinley Arts and Culture Center from 10am-2pm.

17. PUBLIC COMMENT

There was no public comment.

18. BOARD COMMENTS AND REQUESTS FOR FUTURE AGENDA ITEMS

Director Brekhus expressed concerns about a recent decision made by the Reno City Council to grant entitlement for a new development to connect to a satellite water district, the Great Basin Water District. Director Brekhus stated this decision marks the first time an incorporated land will connect to a satellite

system for new development. She highlighted the shifting dynamics, noting that while the Stonegate development was initially planned to connect to TMWA, it has now changed course, with another development in the unincorporated area taking precedence. Director Brekhus emphasized the importance of examining the capacity and service area of satellite systems, as they can pose liabilities for the region, with TMWA often stepping in to provide support when these systems fail.

19. ADJOURNMENT

With no further discussion, Chair Dahir adjourned the meeting at 11:45 a.m.

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

Sonia Folsom, Board Clerk.

****Director Andriola was present for agenda items #1 through part of #13 only.***

*****Director Reese was present for agenda items #1 through #13 only.***



STAFF REPORT

TO: TMWA Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Matt Bowman, Chief Financial Officer/Treasurer
David Diegle, Engineering Manager
DATE: May 13, 2024
SUBJECT: **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**

Recommendation

Staff recommends the TMWA Board approve the proposed Final Budget for the fiscal year ending June 30, 2025 and direct staff to file the adopted Final Budget and related 2025-2029 Capital Improvement Plan (CIP) with the State of Nevada Department of Taxation as required by statute.

Summary

TMWA has prepared the proposed Final Budget and CIP for consideration and approval by the TMWA Board. The Tentative Budget and CIP were approved by the Board at the March 20, 2024 Board meeting. The proposed Final Budget and CIP contain the changes described below.

Discussion

A comparison of the proposed Final Budget to the original approved Tentative Budget is accompanying this report in *Attachments A and B*.

Changes to the operating budget include the following:

- Increase of capital spend in FY 2025 of \$2.8m due to changes in the CIP.

Changes to the CIP include an overall increase over five years of \$7.3m and include the following:

- Emergency Operations Annex Design/Construction increase of \$4.1m due to additional costs for an EOC facility which is expected to be funded 75% by federal grant monies.
- Office Expansion increased by \$2.5m due to an updated cost estimate.
- Physical Site Security Improvements increased by \$1.1m due to additional fencing needed at Chalk Bluff and reservoir fencing improvements.
- Various other changes resulting in a net decrease of \$0.4m.

The proposed Final Budget estimates a year-end Debt Service Coverage ratio of 1.40x. TMWA's senior lien bond covenants require a minimum coverage ratio of 1.25x. As part of the funding plan TMWA planned for use of the Rate Stabilization Fund to meet the financial goal of 1.5x coverage.

Recommended Motion

Move to approve the Final Budget for the fiscal year ending June 30, 2025, and Capital Improvement Plan for fiscal years 2025 through 2029.

TRUCKEE MEADOWS WATER AUTHORITY
(TMWA)

RESOLUTION NO. 326

A RESOLUTION ADOPTING THE FINAL BUDGET FOR THE FISCAL YEAR ENDING
JUNE 30, 2025 AND
THE 2025-2029 CAPITAL IMPROVEMENT PLAN FOR THE
TRUCKEE MEADOWS WATER AUTHORITY AFTER PUBLIC HEARING

WHEREAS, pursuant to NRS 354.596, TMWA is required to hold a public hearing on its tentative budget to allow interested persons to be heard; and

WHEREAS, pursuant to NRS 354.596, TMWA scheduled and held a public hearing on the tentative budget and Capital Improvement Plan as prescribed on May 23, 2024, the fourth Thursday in May; and

WHEREAS, the tentative budget and Capital Improvement Plan have been presented to the interested public and the Board; and

WHEREAS, the Board has considered and approved the revisions to the tentative budget and Capital Improvement Plan and has heard and considered comments from the public.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Truckee Meadows Water Authority to adopt the tentative budget as the final budget for the fiscal year ending June 30, 2025 and adopt the 2025-2029 Capital Improvement Plan and to direct staff to submit the final budget and Capital Improvement Plan to the State of Nevada Department of Taxation.

Upon motion of _____, seconded by _____, the foregoing Resolution was passed and adopted on May 23, 2024 by the following vote of the Board:

Ayes: _____

Nays: _____

Abstain: _____ Absent: _____

Approved: May 23, 2024

Kristopher Dahir, Chair

TRUCKEE MEADOWS WATER AUTHORITY**Comparative Statements of Revenues, Expenses and Changes in Net Position****Proposed Final Budget**

	Final Budget 2025	Tent. Budget 2025	Variance \$	Variance %
OPERATING REVENUES				
Charges for Water Sales	\$ 123,715,379	\$ 123,715,379	\$ -	0%
Hydroelectric Sales	2,963,889	2,963,889	-	0%
Other Operating Sales	3,600,377	3,600,377	-	0%
Total Operating Revenues	130,279,645	130,279,645	-	0%
OPERATING EXPENSES				
Salaries and Wages	35,083,573	35,083,573	-	0%
Employee Benefits	15,835,901	15,835,901	-	0%
Services and Supplies	46,074,717	46,074,717	-	0%
Total Operating Expenses Before Depreciation	96,994,191	96,994,191	-	0%
Depreciation	35,590,563	35,590,563	-	0%
Total Operating Expenses	132,584,754	132,584,754	-	0%
OPERATING INCOME	(2,305,110)	(2,305,110)	-	0%
NONOPERATING REVENUES (EXPENSES)				
Investment Earnings	5,103,838	5,103,838	-	0%
Loss on Disposal of Assets	(1,442,800)	(1,442,800)	-	0%
Interest Expense	(8,878,315)	(8,878,315)	-	0%
Total Nonoperating Revenues (Expenses)	(5,217,277)	(5,217,277)	-	0%
Gain (Loss) Before Capital Contributions	(7,522,386)	(7,522,386)	-	0%
CAPITAL CONTRIBUTIONS				
Grants	3,098,500	3,098,500	-	0%
Water Resource Sustainability Program	969,677	969,677	-	0%
Developer Infrastructure Contributions	14,819,179	14,819,179	-	0%
Developer Will-serve Contributions (Net of Refunds)	5,232,000	5,232,000	-	0%
Developer Capital Contributions - Other	-	-	-	0%
Developer Facility Charges (Net of Refunds)	16,106,141	16,106,141	-	0%
Contributions from Others	65,845	65,845	-	0%
Contributions from Other Governments	5,700,000	5,700,000	-	0%
Net Capital Contributions	45,991,341	45,991,341	-	0%
CHANGE IN NET POSITION	38,468,955	38,468,955	-	0%

TRUCKEE MEADOWS WATER AUTHORITY**Statements of Cash Flows****Proposed Final Budget**

	Final Budget 2025	Tent. Budget 2025	Variance \$	Variance %
OPERATING ACTIVITIES				
Cash Received From Customers	\$ 130,279,645	\$ 130,279,645	\$ -	0%
Cash Paid to Employees	(50,919,474)	(50,919,474)	-	0%
Cash Paid to Suppliers	(46,074,717)	(46,074,717)	-	0%
Net Cash From Operating Activities	33,285,454	33,285,454	-	0%
CAPITAL AND RELATED FINANCING ACTIVITIES				
Acquisition & Construction of Capital Assets	(63,842,500)	(61,074,000)	(2,768,500)	5%
Interest Paid on Financing	(13,830,452)	(13,830,452)	-	0%
Principal Paid on Financing	(17,958,730)	(17,958,730)	-	0%
Grants	4,067,300	4,067,300	-	0%
Contributions for Water Resource Sustainability Program	969,677	969,677	-	0%
Contributions From Developers-Will-Serve Letters	5,232,000	5,232,000	-	0%
Contributions from Developers - Facility Charges	16,106,141	16,106,141	-	0%
Contributions from Others	65,845	65,845	-	0%
Contributions from Other Governments	5,700,000	5,700,000	-	0%
Net Cash Used For Capital & Relating Financing Activities	(63,490,720)	(60,722,220)	(2,768,500)	5%
INVESTING ACTIVITIES				
Interest Received	5,103,838	5,103,838	-	0%
Net Cash From Investing Activities	5,103,838	5,103,838	-	0%
NET CHANGE IN CASH AND CASH EQUIVALENTS	(25,101,428)	(22,332,928)	(2,768,500)	12%
CASH AND CASH EQUIVALENTS, BEGINNING PERIOD	204,292,100	204,292,100	-	0%
CASH AND CASH EQUIVALENTS, END OF PERIOD	\$ 179,190,672	\$ 181,959,172	\$ (2,768,500)	-2%



Truckee Meadows Water Authority

Quality. Delivered.



Photo: Nighttime Pump Rebuild - Mae Anne & McCarran Booster Pump Station

Photo By: Dillon Hansen, Maintenance Mechanic Specialist

Five Year Capital Improvement Plan

Fiscal Year 2025-2029

Truckee Meadows Water Authority is a not-for-profit, community-owned water utility, overseen by elected officials and citizens from Reno, Sparks and Washoe County

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

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INTRODUCTION

The Truckee Meadows Water Authority's (TMWA's) Five-Year Capital Improvement Plan 2025-2029 (CIP), describes all infrastructure construction and major capital outlays that will take place between July 1, 2024 and June 30, 2029. Guidance for identifying and scheduling projects in the CIP is provided by TMWA's 2020-2040 Water Facility Plan (WFP) and the 2020-2040 Water Resource Plan (WRP).

TMWA is a joint powers authority formed in November 2000, pursuant to a Cooperative Agreement (as amended and restated as of February 3, 2010, the "Cooperative Agreement") among the City of Reno, Nevada ("Reno"), the City of Sparks, Nevada ("Sparks") and Washoe County, Nevada (the "County"). The Authority owns and operates a water system (the "Water System") and develops, manages and maintains supplies of water for the benefit of the Truckee Meadows communities. On January 1, 2015, TMWA, the Washoe County Water Utility (WCWU) and South Truckee Meadows General Improvement District (STMGID) consolidated to create a regional water system under TMWA. TMWA has a total of 171 square miles of service area, which includes the cities of Reno and Sparks and other surrounding populated areas of the County (except certain areas in the vicinity of Lake Tahoe and other small areas bordering California). TMWA has no authority to provide water service outside of its service area; however, may provide service in the future to developments that are annexed into its service area.

The CIP incorporates a comprehensive compilation of water system improvements for TMWA. A major feature of the CIP is the construction of several projects that will expand the conjunctive use of the region's water resources. The philosophy behind conjunctive use of local water resources is to maximize the use of surface water while preserving the integrity of groundwater resources which are drawn upon during periods of persistently dry weather. Another aspect of the CIP is to expand the Aquifer Storage and Recovery Program (ASR Program) which is the recharge of groundwater basins with treated surface water, and explore the possibilities related to Advanced Purified Water (APW). In addition, this CIP includes several major projects to extend full conjunctive use water service to the Verdi area, made possible by approved development and cost effective oversizing. The estimated costs of the new backbone water facilities is \$20.0 million and is being borne largely by regional developments in the area.

The CIP constitutes an essential component in TMWA's system of planning, monitoring and managing the activities of purveying water and generating hydroelectric power. The CIP is incorporated into a broader, constantly-updated Five-Year Funding Plan ("Funding Plan") for a comparable period. This Funding Plan will determine adequate levels and sources of funding for projects contained in the CIP.

The 2024-2028 Funding Plan indicates a nominal funding gap in each year, however, due to adequate treasury and ongoing revenues from various sources, TMWA can fund the CIP.

Water Conservation TMWA is a steward of the region's water resources and promotes the efficient use of water in drought and non-drought years. Due to TMWA's ongoing conservation programs, among other factors, municipal residential per capita demand has decreased by 30% since the early 2000s, helping to offset total water use as TMWA's customer base has grown by approximately 30%. Capital spending represents a key aspect of TMWA's conservation program. Projects such as meter replacements, conjunctive use and recently the Advanced Purified Water Facility at American Flat represent projects which help to ensure TMWA has the appropriate infrastructure in place to allow for efficient water use. Specifically, projects included in the CIP having significant conservation impacts are as follows: Advanced Purified Water Facility at American Flat (\$212.0 million), Automated Meter Infrastructure (\$13.3 million), Well Head TTHM Mitigation (\$1.5 million), Lazy 5 Pump Station (\$3.0 million) and STMGID Tank 4 Booster Pump Station/Transmission Line (\$0.7 million).

The CIP includes total spending of \$632.3 million with approximately 48.0% or \$303.4 million dedicated to upgrades or replacement of existing infrastructure, and approximately 44.8% or \$283.3 million allocated to construction of new water system capacity projects, conjunctive use construction projects, retrofit of remaining unmetered services, and potential opportunistic acquisition of water rights. Of the total projected spending over the next five years 5.7% or \$35.8 million is considered contingency spending which is dependent on certain events occurring to trigger spending. The \$632.3 million in projected spending is grouped into broad categories of improvements and spending outlays. These categories are described below with detailed project descriptions to be found in the Project Description Section.

Raw Water Supply Improvements contains 35.5% or approximately \$224.4 million of total spending in the CIP. Comprising nearly all of the spending in this category is the construction of an Advanced Purified Water (APW) Facility at American Flat which will be built as a follow up to the OneWater NV advanced purified water feasibility study, and will be a joint effort with other agencies. Through an interlocal agreement, TMWA has partnered with City of Reno who will reimburse TMWA for 70% of the construction costs. There will be immediate benefit to City of Reno resulting from increased capacity at the Reno Stead Water Reclamation Facility. Other projects in this category include improvements to the Highland Canal/Siphon raw water conveyance infrastructure, upstream storage improvements for Donner Lakes where TMWA stores Privately-Owned Stored Water (POSW) and expenses associated with the storage and implementation of the Truckee River Operating Agreement (TROA).

Ground Water Supply Improvements contains 6.0% or approximately \$37.8 million of total spending in the CIP. These projects focus on preserving existing well capacities, drilling and equipping of new wells and at times complete replacement of existing wells.

Treatment Plant Improvements contains 11.7% or approximately \$73.8 million of total spending in the CIP. The Orr Ditch pump station/Hydro Facility project will increase redundancy and reliability by enhancing the Truckee River source of supply to the Chalk Bluff Water Treatment Plant and directly offset power costs. Other spending in this category targets fix and finish projects with the primary focus on the Chalk Bluff and Glendale Surface Water Treatment

Plants located on the Truckee River. Other improvements include installation of a new disinfection process at two wells historically treated by the Longley Lane ground water treatment plant and a complete upgrade of the Supervisory Control and Data Acquisition (SCADA) system which provides centralized automated system control and data storage for the distribution system and treatment plants.

Distribution System Pressure Improvements contains 11.7% or approximately \$73.8 million of total spending. This spending primarily includes pump and pressure regulating station rebuilds and new construction, correction of pressure or fire flow deficiencies, as well as reconstruction of pressure regulating valves.

Water Main Distribution & Service Line Improvements contains 10.7% or approximately \$67.7 million of total spending in the CIP. These improvements include replacement of aged water mains reaching end of service life, installation of new mains for new and expanded service, water main oversizing and extensions, off-river supply improvements, and conjunctive use projects to extend surface water supplies to the areas that rely heavily on year round groundwater pumping. This last set of projects furthers the conjunctive use philosophy of water resource management and includes the Boomtown water system improvements.

Potable Water Storage Improvements contains 11.0% or approximately \$69.6 million of total spending in the CIP. These projects are comprised mainly of new treated water storage tank to increase system redundancy and reliability (Sun Valley 2 Tank and Caughlin 2 Tanks) and construction to serve new and expanded service (STMGID Tank East Zone 11 Tank), some replacement of existing treated water tank capacity as well as systematic recoating of treated water tank interiors and exteriors to extend service life of these facilities.

Hydroelectric Improvements contains 3.9% or approximately \$24.7 million of total spending in the CIP. These improvement center on the three run-of-river hydroelectric facilities currently owned by TMWA. Efforts on these facilities focus primarily on plant, flume, forebay, diversion and canal improvements as well as equipment upgrades.

Customer Service Outlays contains 2.5% or approximately \$15.7 million of total spending in the CIP. The majority of spending in this category is for Automated Meter Infrastructure (AMI) meter replacements, providing more accurate and real time usage information which can be leveraged for billing, conservation and cost efficiencies. Also, in this category is a spending provision for new business meters which is funded by development.

Administrative Outlays contains 4.3% or approximately \$27.3 million of total spending in the CIP. These outlays are primarily for the purchase of heavy and light vehicles, excavation equipment and fleet upgrades. Other spending in this category are for facilities expansions, as well as an Emergency Operations Center. Also, in this category is spending for security improvements such as fencing, intrusion detection, security cameras, lighting.

Special Programs Funded by Development include outlays for opportunistic water rights purchases. They are separated from a presentation standpoint because in the case of water right acquisitions, spending is currently driven by pricing opportunity. This comprises 2.8% or approximately \$17.5 million of total spending in the CIP.



Photo: Chalk Bluff Clearwell Walkthrough before Disinfection

Photo By: Craig Moyle, Water Equipment Specialist

DEFINITIONS

Capital Improvement Program Definitions

The Five-Year CIP is a planning and budgeting tool, which provides information about TMWA's infrastructure needs for a five-year time frame. Each year, the list of projects is reviewed for cost and priority. New projects may be added and other projects delayed or deleted entirely. Since most projects are mandatory or necessary, deletion of a project would be rare with the exception of contingency spending. However, capital spending plans must remain flexible, and from time to time it is necessary to take revisions to the approved fiscal year's CIP back to the TMWA Board for approval. If construction or outlays can be deferred, TMWA will defer spending in order to preserve cash reserves, regardless whether or not there are difficult economic times. These decisions are made on a case by case basis.

Definition of Capital Outlays

"Capital Outlays," which are in TMWA's capital budget, include construction projects that improve the life of current TMWA infrastructure or are new additions to TMWA infrastructure. Other outlays include computer equipment and software, vehicles, and heavy equipment which are generally found in the Administrative category of projects. Outlays for meter installations and related infrastructure and equipment are generally included in the Customer Service category.

PRIORITIZATION OF PROJECTS/OUTLAYS

TMWA may not have sufficient funding to meet all its capital needs each year or may divert funding to meet unexpected capital improvements. If such conditions arise, projects are prioritized based on the effect each project has on TMWA's ability to meet customer demand and maintain water system reliability. TMWA's Funding Plan is used to analyze total spending, identify various funding alternatives, and determine whether or not water rate adjustments will be required.

The priority categories represent a relative degree of need for any particular project and are described below.

- * **PRIORITY 1 MANDATORY:** These are considered absolutely required, and are the highest priority of all capital projects. Mandatory projects include those in final design or already under construction, or those required by legislation or regulation for protection of public health and safety. These projects are generally found in the first fiscal year of the CIP. Based on current water demands and infrastructure conditions, if the project is not completed, there is risk of eventually being unable to reliably provide water service to its existing customers and/or new and expanded service, or incur extended outages.
- * **PRIORITY 2 NECESSARY:** A project that is important for providing water service to customers, yet timing of construction or spending outlay is not as critical as a mandatory project. These projects are required and are generally found in the last four years of the CIP. External factors such as the pace of new development or the condition of existing infrastructure may delay or accelerate the timing of project construction.
- * **PRIORITY 3 CONTINGENCY:** These projects or capital outlays are not immediately critical to the operation of the water system. Expenditures in this category generally require a business case study or specific criteria to be met before spending can occur. If such criteria are not met, then spending may or may not be justified. Also, some projects can be deferred if spending is required in an area of higher priority. Even though these projects and outlays are in the CIP, the likelihood that spending will occur may be remote and is based upon future conditions that are difficult to predict.

FUNDING OF CAPITAL SPENDING

Funding Sources

The CIP will rely on various funding sources to pay for capital projects/capital outlays. TMWA relies heavily on revenues generated from water sales, hydroelectric, and other operating sales to fund the majority of projects. Developer contributions have historically been an important funding source for certain construction projects for new and expanded water system capacity. Investment income is also available to augment other revenue sources but is minor in relation to other funding sources. Funding from developer contributions can vary year to year and is dependent on the local economy and pace of new construction in TMWA's service territory. For this reason, TMWA does not rely on these fees to fund operations or fund annual principal and interest payments on TMWA's outstanding debt. TMWA may rely on the issuance of debt to fund large levels of capital spending in a particular period. Generally, TMWA does not issue new debt to fund capital projects. However, if there is an opportunity to issue debt at discounted rates, or with accompanying principal forgiveness, TMWA would consider this option.

Developer Contributions

TMWA looks to the development community for developer contributions in the form of system development charges or direct reimbursements to fund capital expenditures related to new or expanded water service, including pump station construction or expansions and feeder main extension projects. In June 2003, the TMWA Board adopted facility charges to pay for new treatment/supply capacity projects and new storage capacity projects. TMWA began collecting these facility charges in January 2004. Under TMWA's Rule 5 these proceeds are used to support new capacity construction. Rule 7 governs the purchase of water rights and reimbursement by developers for issuance of will-serve commitments for water service. However, because of the timing of certain growth driven capital projects, additional financial resources may be called upon as needed. The most recent update to the water system facility charges, which updated area fees, supply and treatment fees, as well as storage unit costs are scheduled for approval by the TMWA Board in May, 2024 with an effective date of July, 2024. These fees are subject to periodic review for funding adequacy.

Financing Background

Revenue bond issuance has been an integral part of funding construction spending. TMWA has historically taken advantage of lower rate, subordinated debt financing obtained through the Drinking Water State Revolving Loan Fund (DWSRF) and a tax-exempt commercial paper program (TECP) due to lower cost of capital and repayment subordination features of these funding vehicles. Federal and State Grants and loan forgiveness programs have also been identified in the past to fund projects. In the event customer water sales and developer funding is not sufficient to cover immediate infrastructure needs, TMWA maintains the ability to access the

credit market and issue debt. TMWA has been able to reduce debt by over \$90.8 million, and 21% during the last 5 years.

Rule 5 and Rule 7 Fees

These fees are collected from the development community. Rule 5 fees are paid by developers to TMWA for the construction of new water feeder mains, new treatment/supply capacity, new storage capacity, and for new or rebuilt pump stations to meet demand resulting from new and expanded service. Rule 7 Fees are derived from will-serve sales to development. TMWA historically purchased water rights on the open market and reserves these rights for will-serve letters to be sold to development. TMWA also recovers the applicable administrative and financing costs with the sale of each will-serve. The title to water rights are retained by and dedicated to TMWA. TMWA has sufficient inventory of water rights to meet the demands for new and expanded service for the foreseeable future.

Water Resource Sustainability Fund Fees

Resolution 272, passed by the Board of Directors on January 16, 2019, broadened the purpose of the Water Meter Retrofit Fee to support projects such as expanded conjunctive use, aquifer storage and recovery, demonstration and validation of advanced purified water treatment processes, future water resource identification and acquisition, and other projects that enhance water resource sustainability and drought resiliency. The fee is \$1,600 for each acre-foot of demand when will-serve commitments based on surface water right dedications are issued for new or expanded service.

Capital Contributions from Other Governments

TMWA and the City of Reno entered into an Interlocal Agreement (ILA) effective December 7, 2021, which outlined cost sharing responsibilities for construction of the Advanced Purified Water Facility at American Flat. As discussed in more detail on page 23, the City of Reno will be funding 70% of the construction costs through contributions to TMWA, who will be the ultimate owner of the asset.

TMWA is a water wholesaler to the Sun Valley General Improvement District (SVGID). From time to time, new infrastructure must be constructed to service this retail water-service provider. There are no expectations of any need for reimbursement from this source in the CIP although historically SVGID has made contributions to TMWA.

Reserves from the Water Utility Consolidation

TMWA, the WCWU and STMGID consolidated on January 1, 2015. As a result of the consolidation, the respective treasuries of the WCWU and STMGID were transferred to TMWA.

The WCWU treasury that was transferred to TMWA amounted to approximately \$43.4 million while the STMGID treasury transferred to TMWA was approximately \$15.7 million of which zero remains. These cash and investment reserves will continue to be used to make necessary improvements in the former water utility service areas including conjunctive use enhancements.

Other Resources

One method of generating additional funds for capital improvements is to increase existing fees/charges or to add new fees/charges. However, future increases are expected to be nominal if TMWA is able to meet revenue requirements and maintain bond coverage ratios that will suffice to maintain strong investment-grade credit ratings. TMWA has obtained many benefits of Aa2 from Moodys, AA+ from S&P, and AAA from Fitch. The Board approved a five-year customer water rate plan in February 2024 which included a 4.5%, 4.0% and a 3.5% over the next three years, followed by annual increases, maximum of 4.5% and minimum of 1.0% tied to the Consumer Price Index for all Urban Consumers (CPI-U) for the Western Region. The rate adjustments will be reviewed and evaluated by the Board each year with the ability for the Board to defer or modify the increase prior to implementation date. Water rate increases are essential for TMWA to maintain sound credit ratings and to preserve access to opportunities in the capital markets.

FISCAL YEAR 2025 CAPITAL SPENDING-THE CAPITAL BUDGET

TMWA expects to spend \$111.2 million in fiscal year 2025, the first year of the FY 2025-2029 CIP. Of this total, \$71.5 million will be funded by customer rates for water system rehabilitation, pressure system improvements, water main distribution service line improvements, and administrative and customer service outlays. Another \$36.8 million will be funded by developer fees for water system expansion, limited opportunistic acquisition of water rights. Hydroelectric operations will fund \$2.0 million in improvements. The sustainability fund will pay for \$0.9 million in projects.

SUMMARY OF PROJECTS FOR THE FISCAL YEAR 2025 BUDGET

TMWA has established the following projects for the capital budget in fiscal year 2025 (Amounts presented in thousands of dollars):

Summary of Projects for FY 2025	Amount
Raw Water Supply Improvements	
Highland Canal-Upgrades-Downstream	225
Highland Canal-Upgrades-Diversion to Chalk Bluff	1,200
TROA Drought Storage / Implementation	100
Advanced Purified Water Facility at American Flat	8,000
South Truckee Meadows Recharge Valve	250
Washoe Lake System Improvements	250
Independence Lake Communication Improvements	100
Total Raw Water Supply	10,125
Ground Water Supply Improvements	
Well Rehabilitation Improvements	200
Well Fix and Finish	350
Brush Well Replacement	1,200
Well Head TTHM Mitigation	500
Spring Creek Well 10 - Donovan	1,500
Fish Springs Ranch TDS Monitoring Wells	250
Fish Springs Ranch Geophysics/Drilling Project	300
Spring Creek Well 9 (Spring Creek 4 Replacement)	1,700
STMGID Well 1 Re-Drill and Equipping	1,200
Total Ground Water Supply	7,200
Treatment Plant Improvements	
Chalk Bluff Treatment Plant Improvements	360
Chalk Bluff Clearwell 1 Rehabilitation	300

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Summary of Projects for FY 2025 (continued)	Amount
Chalk Bluff Clearwell 2 Rehabilitation	200
Chalk Bluff HVAC Improvements	75
Chalk Bluff 25K Power Reliability and Safety Improvements	100
Chalk Bluff Soda Ash Reliability Upgrade	50
Glendale Treatment Plant Improvements	375
Glendale HVAC Improvements	250
Mt Rose Treatment Plant Efficiency Improvements	450
Chalk Bluff Filter Underdrains	1,200
Orr Ditch Pump Station Rehabilitation and Hydro Facility	11,000
Truckee Canyon Water Treatment Improvements	20
Lightning W Treatment Improvements	10
SCADA Rehabilitation / Plant Operating Software	1,000
Spanish Springs Nitrate Treatment Facility	500
Glendale Sand Yard Improvements	430
Chalk Bluff Effluent Reservoir Outlet Repairs	100
Chalk Bluff Screening Facility Rehabilitation and Upgrades	200
Total Treatment Plant	16,620
Pressure Improvements	
Pressure Regulators Rehabilitation	2,000
Land Acquisitions	150
Pump Station Oversizing	250
Pump Station Rebuilds, Rehabilitations	150
Standby Generator Improvements	100
PSOM Standby Generator Additions	1,100
South-West Pump Zone Consolidation Phase 1	400
Lazy 5 Low Head Pump Station and Mains	2,500
South Hills Booster Pump Station Replacement	70
7th Street High and Low Booster Pump Station Replacement	3,000
Verdi 1 Booster Pump Station	2,500
Santerra Quilici 1 Booster Pump Station	3,700
Ascente Booster Pump Station	2,500
Talus Valley Booster Pump Station	2,900
Caughlin Train A Improvements	1,000
Idlewild Irrigation Pump Station Improvements and Repair	170
Total Pressure Improvements	22,490
Water Main-Distribution-Service Line Improvements	
Street and Highway Main Replacements	4,000
Golden Parkway Main and Check Valve Tie	40
Yori and E. University Main Replacement	2,200

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Summary of Projects for FY 2025 (continued)	Amount
Kate Smith Water Main Replacement Phase 1-3	1,900
Kate Smith Sparks Feeder Main-36"	100
Thomas Jefferson Area Main Replacements	1,800
South Virginia Rapid Transit Main Replacement	2,000
North-East Sparks Feeder Main Phase 8	10
Goldenrod Main	1,800
Boomtown Water System Improvements	1,500
Montreux High Pressure ACP Replacement	100
Somersett 6 Main Tie and Pressure Regulating Station	280
South Truckee Meadows Capacity Improvements	800
West 4th Street Main Replacement	2,100
Total Water Main-Distribution-Service Line	18,630
Potable Water Storage Improvements	
Sun Valley 2 Tank	420
Storage Tank Rehabilitation and Improvements	10,100
Boomtown System Improvements Phase 4 - Boomtown Tank	1,000
Caughlin 2 Tanks	500
US 40 Tank and Feeder Main	3,500
Lemmon Valley Tank 1 Replacement and Patrician Pressure Regulating Station	1,500
Hidden Valley Tank 4 Outage Improvements	250
Hunter Creek Reservoir Rehabilitation	75
Terminal Tank CO2 Delivery Road Improvements	100
STMGID 6 New Tank	20
Total Potable Water Storage	17,465
Hydroelectric Improvements	
Forebay, Diversion, and Canal Improvements	100
Flume Rehabilitation	150
Verdi Sandgate Improvements	500
Verdi Bypass Valve Improvements	850
Washoe Plant Improvements	400
Total Hydroelectric	2,000
Customer Service Outlays	
Meter Reading Equipment	75
New Business Meters	100
Mueller Pit Replacements former Washoe County	125
Galvanized / Poly Service Line Replacements	250
Automated Meter Infrastructure (AMI)	2,650
Total Customer Service Outlays	3,200

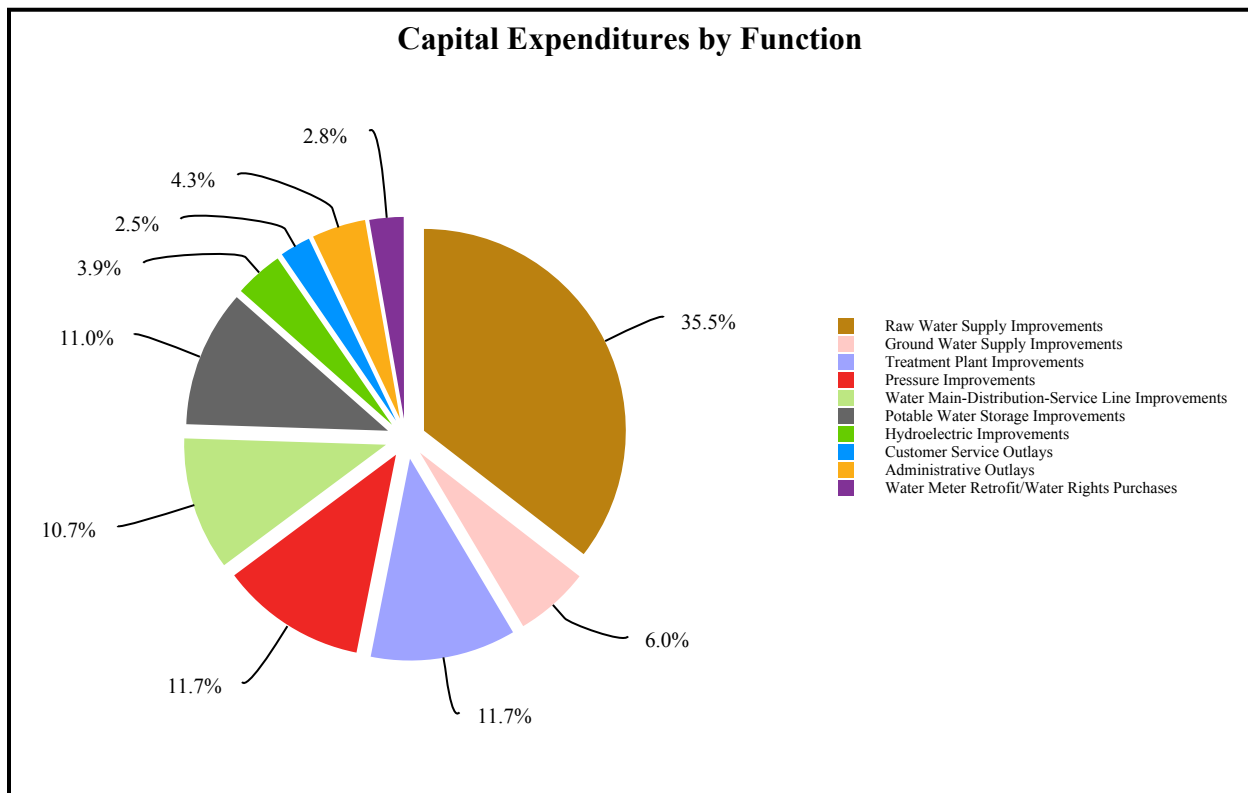
Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Summary of Projects for FY 2025 (continued)	Amount
Administrative Outlays	
GIS / GPS System Mapping Equipment	20
IT Server Hardware and Equipment	240
IT Network Security Upgrades	210
IT Physical Access Security Upgrades	15
IT Firewall Infrastructure Enhancements	100
Printer / Scanner Replacement	10
Crew Trucks / Vehicles	1,500
Replacement HCM System	1,000
Corporate Office Expansion	5,000
Glendale Office Expansion	500
Corporate HVAC Improvements	100
Emergency Management Projects	50
Physical Site Security Improvements	1,250
Total Administrative Outlays	9,995
Special Projects Funded by Development	
Water Right Purchases	3,500
Total Special Projects	3,500
Total Capital Spend for FY 2025	111,225

Detailed project descriptions are provided for all projects in the CIP. These descriptions cover the fiscal year 2025 capital budget and the years 2026-2029.

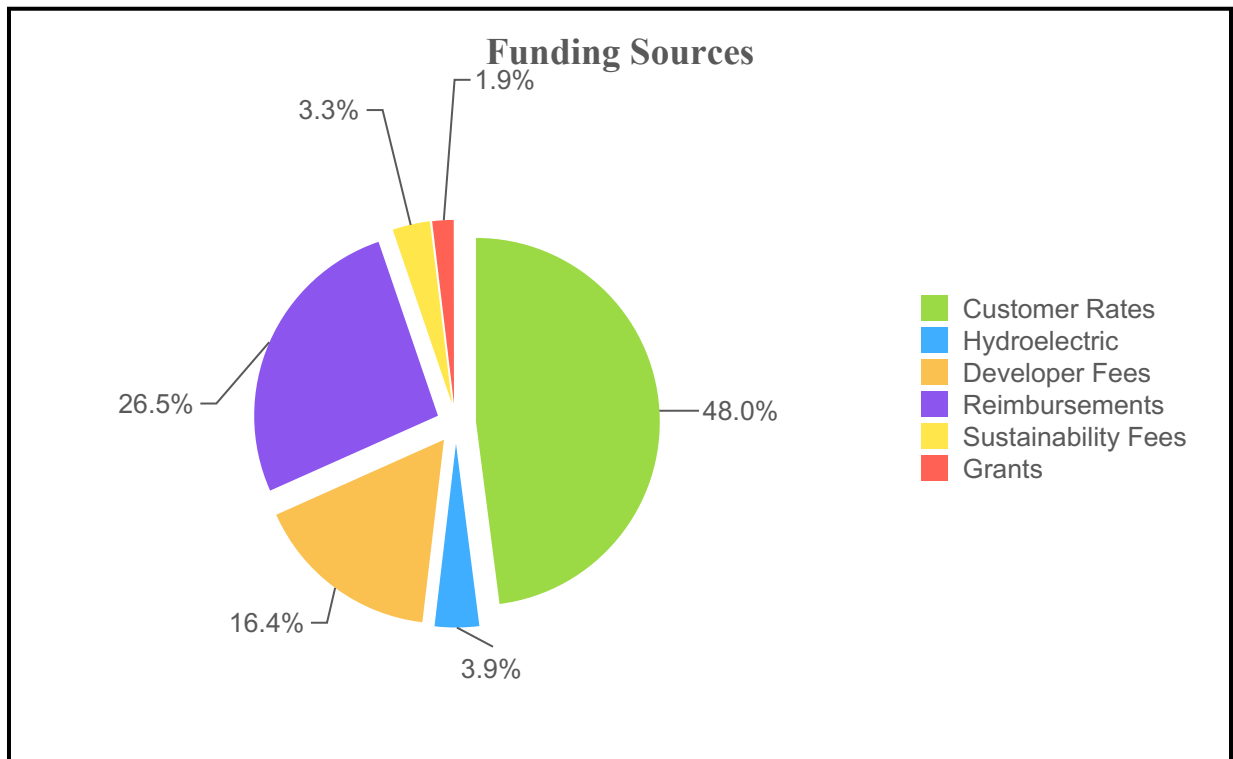
CAPITAL EXPENDITURES BY FUNCTION (Amounts in thousands of dollars)

Summary of Capital Expenditures by Function	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
Raw Water Supply Improvements	10,125	86,275	88,675	38,675	675	224,425
Ground Water Supply Improvements	7,200	4,850	7,750	7,200	10,780	37,780
Treatment Plant Improvements	16,620	7,795	22,000	19,065	8,355	73,835
Distribution System Pressure Improvements	22,490	13,950	8,750	14,580	14,050	73,820
Water Main Distribution Service Line Improvements	18,630	18,585	11,880	9,150	9,450	67,695
Potable Water Storage Improvements	17,465	13,170	15,750	11,540	11,660	69,585
Hydroelectric Improvements	2,000	11,865	10,275	290	300	24,730
Customer Service Outlays	3,200	3,125	3,125	3,125	3,125	15,700
Administrative Outlays	9,995	7,220	4,345	4,295	1,420	27,275
Water Meter Retrofit / Water Rights Purchases	3,500	3,500	3,500	3,500	3,500	17,500
Total Projected Capital Spending	111,225	170,335	176,050	111,420	63,315	632,345



PRELIMINARY FUNDING PLAN
FUNDING SOURCES
(Amounts in thousands of dollars)

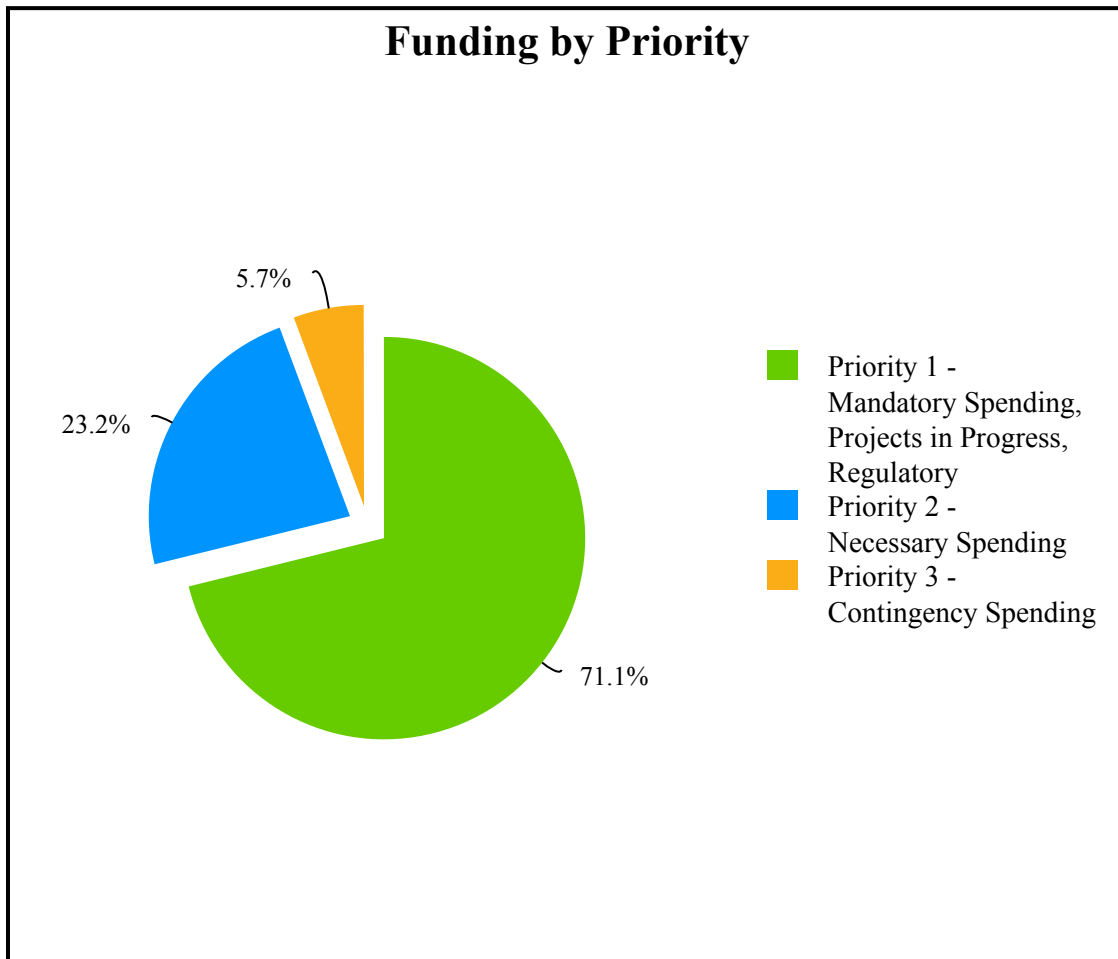
Summary of Funding Sources	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
Customer Rates	71,532	60,367	62,695	62,150	46,609	303,353
Hydroelectric	2,000	11,865	10,275	290	300	24,730
Developer Fees	14,353	27,491	31,189	14,747	16,156	103,936
Reimbursements	16,460	62,240	59,700	28,900	—	167,300
Sustainability Fees	880	7,872	8,410	3,552	250	20,964
Grants	6,000	500	3,781	1,781	—	12,062
Total Projected Capital Spending	111,225	170,335	176,050	111,420	63,315	632,345



FUNDING BY PRIORITY (Amounts in thousands of dollars)

Summary of Funding by Priority	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
Priority 1 - Mandatory Spending, Projects in Progress, Regulatory	97,975	141,125	119,925	63,990	26,880	449,895
Priority 2 - Necessary Spending	8,450	23,875	41,285	42,280	30,730	146,620
Priority 3 - Contingency Spending	4,800	5,335	14,840	5,150	5,705	35,830
Total Projected Capital Spending	111,225	170,335	176,050	111,420	63,315	632,345

For additional information about how TMWA classifies its projects, see Prioritization of Projects/Outlays on Page 6.



PROJECT FUNCTIONS AND DESCRIPTIONS

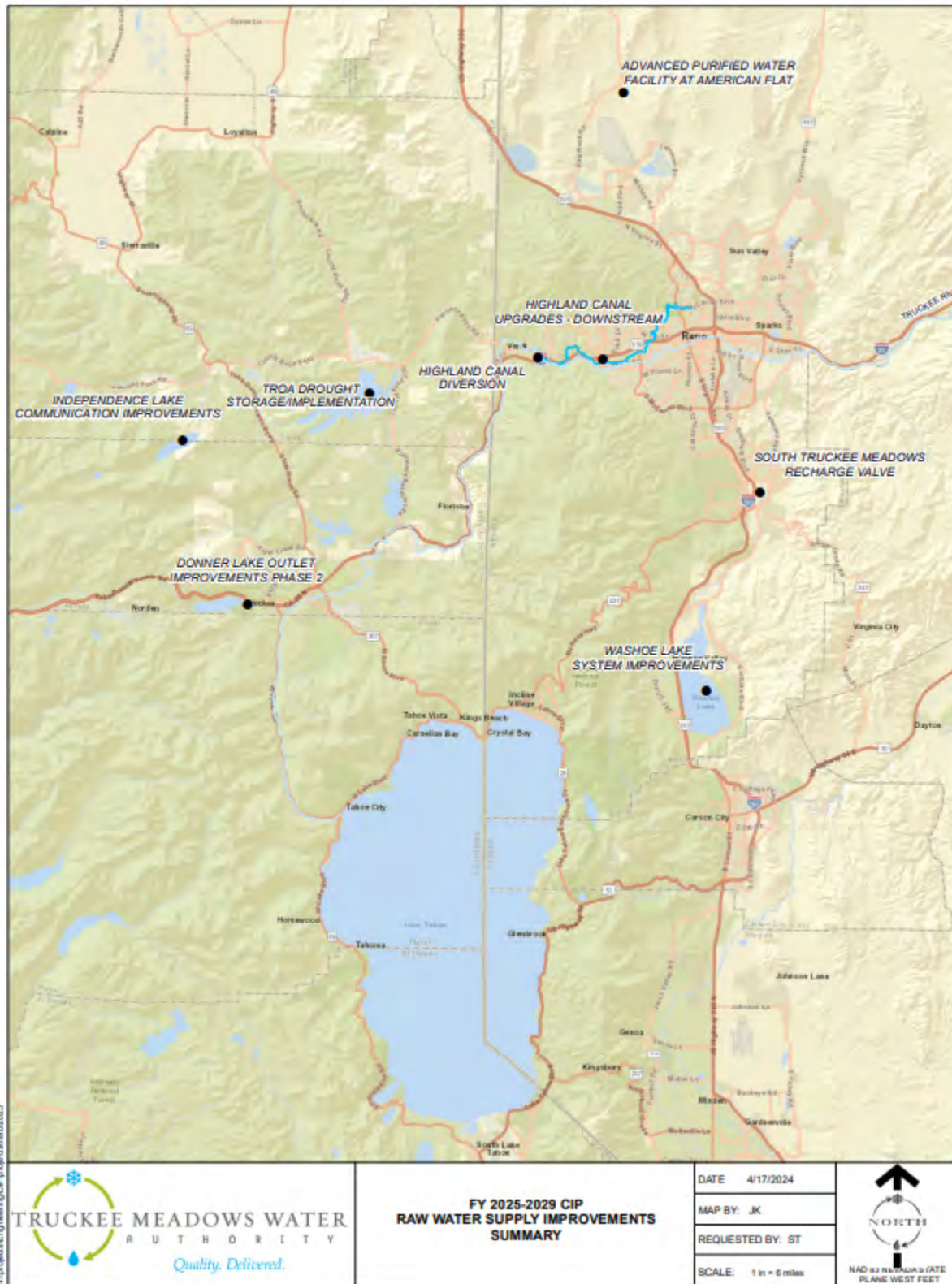
RAW WATER SUPPLY IMPROVEMENTS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Highland Canal- Upgrades-Downstream	225	225	225	225	225	1,125
1	Customer Rates	Highland Canal- Upgrades-Diversion to Chalk Bluff	1,200	3,400	3,100	1,100	100	8,900
3	Customer Rates	TROA Drought Storage / Implementation	100	100	100	100	100	500
2	Customer Rates	Donner Lake Outlet Improvements Phase 2	—	300	—	—	—	300
1	Developer Fees / Sustainability Fees / Grants/ Reimbursements	Advanced Purified Water Facility at American Flat	8,000	82,000	85,000	37,000	—	212,000
1	Customer Rates	South Truckee Meadows Recharge Valve	250	—	—	—	—	250
3	Customer Rates	Washoe Lake System Improvements	250	250	250	250	250	1,250
1	Customer Rates	Independence Lake Communication Improvements	100	—	—	—	—	100
Subtotal Raw Water Supply			10,125	86,275	88,675	38,675	675	224,425

Project Locations: Map of all *Raw Water Supply Improvements* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Raw Water Supply Improvements Highland Canal-Upgrades-Downstream

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Highland Canal-Upgrades-Downstream	225	225	225	225	225	1,125

PROJECT DESCRIPTION: The improvements reflected in this capital project item are for improvements along the canal downstream of the Chalk Bluff Water Treatment Plant to the Rancho San Rafael Park. Approximately 2,000 feet of “smart ditch” (a molded plastic trapezoidal channel section) has been installed downstream of Chalk Bluff in recent years. This product reduces leakage and maintenance and it is planned to continue to extend the installation in the future. Other efforts are rehabilitative in nature and may address access and security concerns.

SCHEDULE: Projects are identified and prioritized on an annual basis.



Raw Water Supply Improvements

Highland Canal – Upgrades – Diversion to Chalk Bluff

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Highland Canal-Upgrades-Diversion to Chalk Bluff	1,200	3,400	3,100	1,100	100	8,900

PROJECT DESCRIPTION: These improvements are for the stretch of canal between the diversion on the Truckee River and Chalk Bluff Water Treatment Plant. The proposed spending is to secure the canal from trespass, enhance public safety, and prevent encroachment on TMWA property. TMWA will also complete fencing along the canal for public safety, install security cameras, and access barriers. The proposed budget is for the replacement of the existing 54-inch siphon pipe under the Truckee River just downstream of the diversion, which was installed in 1954. Additionally, replacement of the access bridge across the Truckee River from old Hwy 40 to the Highland intake, and a feasibility study will be conducted for replacing sections of the flume that are showing signs of failure.

SCHEDULE: Projects are identified and prioritized on an annual basis.



Raw Water Supply Improvements TROA Drought Storage/Implementation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	TROA Drought Storage / Implementation	100	100	100	100	100	500

PROJECT DESCRIPTION: TROA became effective and TMWA began implementation officially on December 1, 2015.

SCHEDULE: Ongoing budget under TROA implementation is for additional stream gauges in new locations as required, as well as improving the monitoring capabilities of existing gauges as needed on an annual basis. Other smaller capital improvements are related to the operation of reservoir sites.



Raw Water Supply Improvements Donner Lake Outlet Improvements Phase 2

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Donner Lake Outlet Improvements Phase 2	—	300	—	—	—	300

PROJECT DESCRIPTION: Dredging of a portion of the Donner Lake outlet channel was completed in FY 2019. The project was scaled back to fit within the California Environmental Quality Act emergency permitting requirements. Additional work is required to extend and improve the outlet channel further into the lake, including possible bank stabilization improvements to minimize future dredging requirements.

SCHEDULE: Permitting and preliminary design will be conducted in FY 2026.



Raw Water Supply Improvements

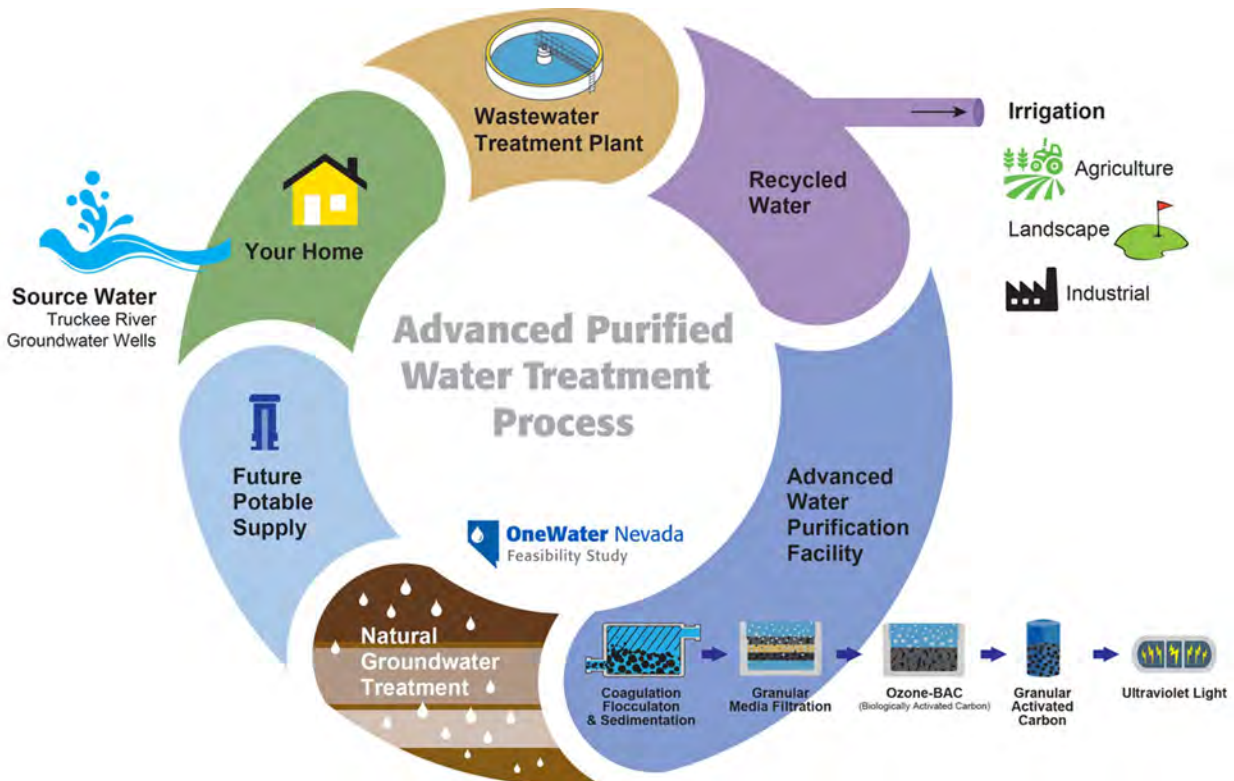
Advanced Purified Water Facility at American Flat

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees / Sustainability Fees / Grants/ Reimbursements	Advanced Purified Water Facility at American Flat	8,000	82,000	85,000	37,000	—	212,000

PROJECT DESCRIPTION: The Advanced Purified Water Facility at American Flat will be Nevada’s first Advanced Purified Water project achieving category A+ reclaimed water quality. Category A+ reclaimed water is suitable for all Nevada water recycling practices, including augmenting groundwater aquifers. The Project’s core element is a 2 million gallons per day (MGD) advanced purified water facility (APWF) producing 2,000 acre-feet (AF) of water annually for groundwater augmentation to provide a sustainable regional drought proof supply and crucially enhance the region’s water supply resiliency to help address future climate change impacts. TMWA is partnering with City of Reno who will be reimbursing TMWA for 70% of the total construction costs of the project.

SCHEDULE: Construction will continue through FY 2028.



Raw Water Supply Improvements South Truckee Meadows Recharge Valve

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	South Truckee Meadows Recharge Valve	250	—	—	—	—	250

PROJECT DESCRIPTION: Install two down hole recharge valves on two existing wells in the South Truckee Meadows system.

SCHEDULE: Installation planned for FY 2025 based on priority.



Raw Water Supply Improvements Washoe Lake System Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Washoe Lake System Improvements	250	250	250	250	250	1,250

PROJECT DESCRIPTION: Improvements as necessary to Washoe Lake Dam and related infrastructure to monitor, capture, store and deliver raw water as necessary to meet regional water supply objectives.

SCHEDULE: Projects are identified and prioritized on an annual basis.



Raw Water Supply Improvements

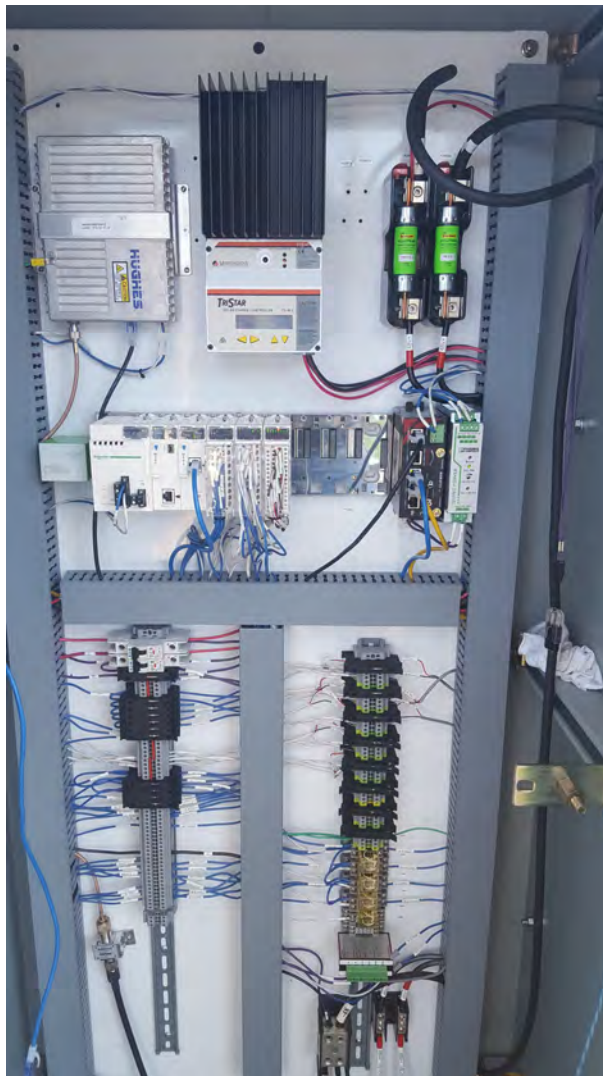
Independence Lake Communication Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Independence Lake Communication Improvements	100	—	—	—	—	100

PROJECT DESCRIPTION: Upgrade the communications connection to TMWA SCADA system to improve reliability and security.

SCHEDULE: Improvements are scheduled for FY 2025.



GROUND WATER SUPPLY IMPROVEMENTS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Well Rehabilitation Improvements	200	200	200	200	200	1,000
2	Developer Fees	Double Diamond 5 and Equipping	—	—	—	—	80	80
2	Developer Fees	Callamont Well South Equipping	—	—	—	100	1,900	2,000
2	Customer Rates	Air Guard Well Replacement Equipping	—	—	—	—	2,000	2,000
2	Customer Rates	Lemmon Valley Well 8 Replacement	—	800	2,500	—	—	3,300
2	Customer Rates	Well Fix and Finish	350	350	350	350	350	1,750
1	Customer Rates	Brush Well Replacement	1,200	—	—	—	—	1,200
2	Customer Rates	Spring Creek 8 Well Equipping	—	—	—	1,000	1,000	2,000
2	Customer Rates / Sustainability Fees	Well Head TTHM Mitigation	500	—	500	—	500	1,500
2	Developer Fees	Callamont Well North Equipping	—	—	100	1,900	—	2,000
1	Developer Fees	Spring Creek Well 10 - Donovan	1,500	1,000	—	—	—	2,500
1	Customer Rates	Fish Springs Ranch TDS Monitoring Wells	250	—	—	—	—	250
2	Customer Rates/ Reimbursements	Fish Springs Ranch Geophysics/Drilling Project	300	—	—	—	—	300
1	Customer Rates	Spring Creek Well 9 (Spring Creek 4 Replacement)	1,700	1,500	1,000	—	—	4,200
1	Customer Rates	STMGID Well 1 Re-Drill and Equipping	1,200	500	1,500	500	—	3,700
1	Customer Rates	Boomtown 13 Well	—	500	—	2,000	—	2,500
1	Customer Rates	Spring Creek 2 Re-drill	—	—	800	—	2,000	2,800
1	Customer Rates	Lightning W 2 Re-drill	—	—	800	—	2,000	2,800

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Desert Springs 5 Production Well	—	—	—	800	—	800
1	Customer Rates	Desert Springs 6 Exploration Well and Testing	—	—	—	350	750	1,100
Subtotal Ground Water Supply			7,200	4,850	7,750	7,200	10,780	37,780

Project Locations: Map of all *Ground Water Supply Improvements* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Ground Water Supply Improvements Well Rehabilitation Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Well Rehabilitation Improvements	200	200	200	200	200	1,000

PROJECT DESCRIPTION: Funds are budgeted to rehabilitate TMWA production wells as required. Typically for subgrade rehabilitation efforts, five to six wells are inspected, tested and evaluated every year to determine if rehabilitation is required. Typical subgrade rehab activities include but are not limited to pump and pump column pipe replacements; rehabilitation of well casing and screen; and other enhancements to maintain well function and capacities. Spending in fiscal years 2025-2029 will include improvements at several wells to provide general above grade well equipment and building and/or electrical upgrades. Some of the spending will go towards converting an oil lubed shaft vertical turbine to water lubed and eliminate any standing oil in the well. TMWA has over 90 production wells operating throughout the water system. TMWA relies on these wells to provide drought and emergency supply and as a supplemental source to meet peak demands on the water system.

SCHEDULE: Wells targeted for rehabilitation improvements in FY 2025 include 4th Street Well, Lakeside Well and STMGID 6 Well.



Ground Water Supply Improvements Double Diamond 5 and Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Double Diamond 5 and Equipping	—	—	—	—	80	80

PROJECT DESCRIPTION: Construct pumping facilities for the existing Double Diamond Well 5 including the pump house building, electrical power, pump/motor and valves and piping to provide an additional 1,200 gallons per minute of peak period supply to the Double Diamond area. The project also includes construction of a blending main between Double Diamond Wells 4 and 5.

SCHEDULE: Based on current growth rates, it is anticipated that the additional capacity from the new well will be needed in the summer of FY 2029.



Ground Water Supply Improvements Callamont Well South Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Callamont Well South Equipping	—	—	—	100	1,900	2,000

PROJECT DESCRIPTION: Construct pumping facilities for one of the existing Callamont wells in the Mt. Rose system including the pump house building, electrical power, pump/motor and valves and piping to provide an additional 500 gallons per minute of peak period supply to the area.

SCHEDULE: This project is currently scheduled for construction in FY 2029, but may be constructed sooner (or later) depending on the actual schedule for the proposed 210 unit Callamont residential development.



Ground Water Supply Improvements Air Guard Well Replacement Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Air Guard Well Replacement Equipping	—	—	—	—	2,000	2,000

PROJECT DESCRIPTION: Replacement of the Air Guard Well in Stead was necessary to reduce sanding and provide additional capacity to the Stead system. The new/replacement well was drilled and constructed in FY 2016. Test pumping indicates the new well will have a capacity of about 2,500 gallons per minute which is twice the capacity of the old well. The budget for FY 2029 is for constructing the pumping facilities including the well building, pump and motor, valves and piping, electrical and controls, etc.

SCHEDULE: The pumping facilities are scheduled for construction in FY 2029.



Ground Water Supply Improvements Lemmon Valley Well 8 Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Lemmon Valley Well 8 Replacement	—	800	2,500	—	—	3,300

PROJECT DESCRIPTION: The existing Lemmon Valley 8 Well has been in service since 1974, making it one of the older wells in the East Lemmon Valley system. The existing well casing and screens show signs of significant corrosion. With the potential for a well casing failure, TMWA intends to drill and equip a replacement well on the existing well property. In addition, the replacement well is expected to have similar construction while producing at least 20 percent more capacity than the original Lemmon Valley 8 Well. The additional capacity will provide supply to support base load supplied from the Fish Springs groundwater system.

SCHEDULE: Well drilling will occur in FY 2026 and well equipping in FY 2027.



Ground Water Supply Improvements Well Fix & Finish

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Well Fix and Finish	350	350	350	350	350	1,750

PROJECT DESCRIPTION: Equipment improvements are expected to bring existing wells up to modern standards, including antiquated equipment replacements and improvements for water quality purposes. This project includes improvements to sodium hypochlorite rooms, pump to waste lines and drainage improvements. It also includes well retrofit for recharge where needed.

SCHEDULE: Projects are identified and prioritized on an annual basis.



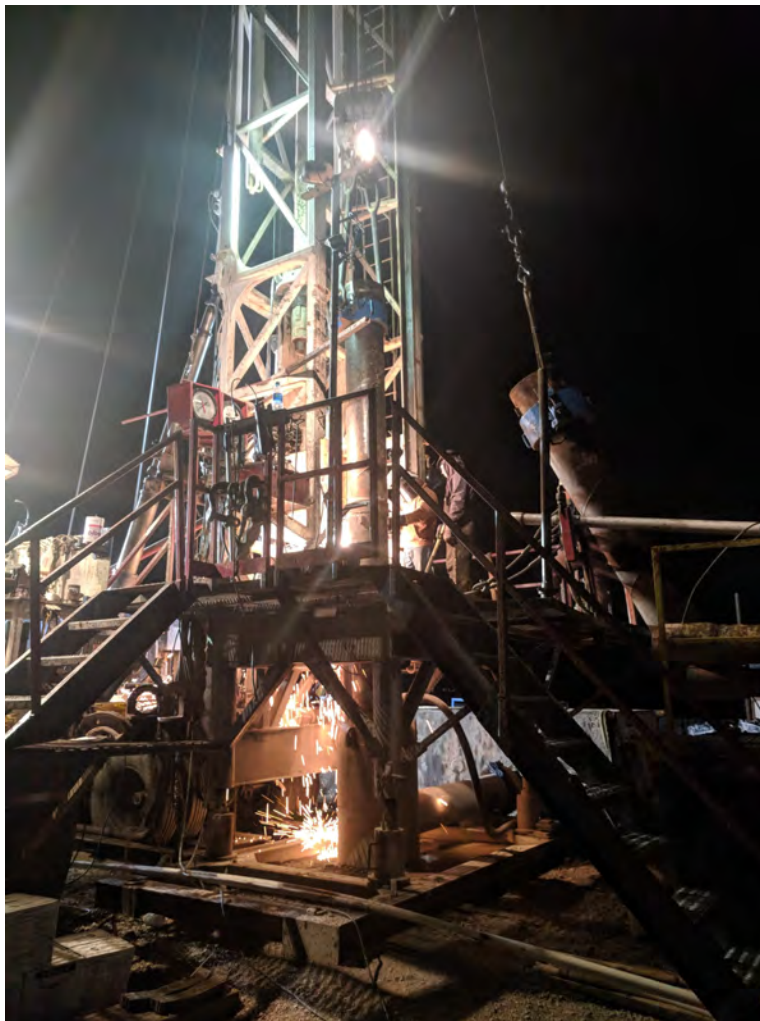
Ground Water Supply Improvements Brush Well Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Brush Well Replacement	1,200	—	—	—	—	1,200

PROJECT DESCRIPTION: The Brush Well was replaced in FY 2019. Well equipping is currently underway, but due to long lead times for certain electrical gear, completion and startup of the well are now expected in the summer of 2024.

SCHEDULE: Equipping is scheduled to be completed in FY 2025.



Ground Water Supply Improvements

Spring Creek 8 Well Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Spring Creek 8 Well Equipping	—	—	—	1,000	1,000	2,000

PROJECT DESCRIPTION: The Spring Creek 8 production well was replaced in FY 2019. The next phase for this site involves equipping the well for production, which is scheduled to take place in FY 2028.

SCHEDULE: Well equipping is scheduled to begin in FY 2028.



Ground Water Supply Improvements Well Head TTHM Mitigation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Sustainability Fees	Well Head TTHM Mitigation	500	—	500	—	500	1,500

PROJECT DESCRIPTION: Planning, permitting and implementation of tank mixers and ventilation equipment technologies to reduce disinfection byproduct (DBP) formation in recharged water and receiving groundwater.

SCHEDULE: Other technologies will be implemented at key recharge well sites in subsequent years based on priority.



Ground Water Supply Improvements Callamont Well North Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Callamont Well North Equipping	—	—	100	1,900	—	2,000

PROJECT DESCRIPTION: Construct pumping facilities for the remaining existing Callamont well in the Mt. Rose system including the pump house building, electrical power, pump/motor and valves and piping to provide an additional 500 gallons per minute of peak period supply to the area.

SCHEDULE: This project is currently scheduled for construction in FY 2028, but may be constructed sooner (or later) depending on the actual schedule for the proposed 210 unit Callamont residential development.



Ground Water Supply Improvements Spring Creek Well 10 - Donovan

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	Spring Creek Well 10 - Donovan	1,500	1,000	—	—	—	2,500

PROJECT DESCRIPTION: The project involves construction and equipping of a new production well located just south of Indian Sage Court in Spanish Springs Valley. TMWA owns a 6,000 square foot parcel at this location where a test well was previously constructed but will need access and pipeline/utility easements. It is anticipated that the new well will produce up to 500 gallons per minute of new supply for the area.

SCHEDULE: This project schedule assumes the new well is drilled and constructed in FY 2025 and the pumping facilities are constructed in FY 2026.



Ground Water Supply Improvements Fish Springs Ranch TDS Monitoring Wells

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Fish Springs Ranch TDS Monitoring Wells	250	—	—	—	—	250

PROJECT DESCRIPTION: This project involves installing a network of wells that will monitor TDS concentrations and vertical gradients near the Fish Springs Ranch production wellfield in Honey Lake Valley. These monitoring locations will provide critical water quality information associated with increased groundwater production at Fish Springs Ranch. Allocated funds will be utilized to drill and construct three nested monitoring wells completed to approximately 450-feet below land surface.

SCHEDULE: Design and construction for the project is scheduled to be completed in FY 2025.



Ground Water Supply Improvements Fish Springs Ranch Geophysics/Drilling Project

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates/Reimbursements	Fish Springs Ranch Geophysics/Drilling Project	300	—	—	—	—	300

PROJECT DESCRIPTION: An airborne geophysical survey and subsequent drilling program will be conducted to confirm and/or refine hydraulic characteristics in Honey Lake Valley. The results from the airborne survey will be utilized to identify locations for new monitoring wells, which will validate the aquifer materials identified by the survey. This information will then be used to validate and refine aquifer parameters in the groundwater model that TMWA uses to manage resources in Honey Lake Valley.

SCHEDULE: This work will be conducted in FY 2025.



Ground Water Supply Improvements Spring Creek 9 (Spring Creek 4 Replacement)

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Spring Creek Well 9 (Spring Creek 4 Replacement)	1,700	1,500	1,000	—	—	4,200

PROJECT DESCRIPTION: The project involves redrilling and equipping of a new production well in Spanish Springs Valley, located north of the intersection of La Posada Dr. and La Posada Ct (pending land approvals). The well will be a dual purpose ASR/Production Well and it is anticipated that the new well will produce up to 1,500 GPM with about one third of the capacity bringing new supply to the area.

SCHEDULE: Drilling and installation will be in FY 2025 and equipping completed in FY 2027.



Ground Water Supply Improvements STMGID Well 1 Re-Drill and Equipping

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	STMGID Well 1 Re-Drill and Equipping	1,200	500	1,500	500	—	3,700

PROJECT DESCRIPTION: This project involves the complete replacement of STMGID well 1. Recent rehabilitation work on the production well indicated the screens have deteriorated enough to allow sediment and gravel pack to pass through. The well is a critical groundwater supply asset as it currently accounts for approximately 24% of the max day demand in STMGID Tank Zone 1.

SCHEDULE: The well is estimated to be drilled in FY 2025 and constructed in FY's 2026-2028.



Ground Water Supply Improvements Boomtown 13 Well

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Boomtown 13 Well	—	500	—	2,000	—	2,500

PROJECT DESCRIPTION: The project involves the drilling and equipping of a new production well in Verdi, located adjacent the Boomtown billboard. This well is anticipated to support the peak day demand for future development in the area.

SCHEDULE: The well is estimated to be drilled in FY 2026 and constructed in FY 2028.



Ground Water Supply Improvements Spring Creek 2 Re-drill

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Spring Creek 2 Re-drill	—	—	800	—	2,000	2,800

PROJECT DESCRIPTION: The casing material for the existing Spring Creek 2 Production well was recently found to be compromised during well rehabilitation activities. A new well will be re-drilled and constructed with superior materials and a better design to allow for future maintenance and better well rehabilitations. This will provide well longevity and additional groundwater redundancy for the Spanish Springs system.

SCHEDULE: The re-drill is currently scheduled for FY 2027. Prioritization for this well will be analyzed each FY moving forward.



Ground Water Supply Improvements

Lightning W 2 Re-drill

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Lightning W 2 Re-drill	—	—	800	—	2,000	2,800

PROJECT DESCRIPTION: The existing production well Lightning W2 was poorly designed and constructed. The current condition of the well does not allow for proper maintenance and rehabilitation of the production well due to a shallow, small diameter sleeve that was permanently installed. A new well will be re-drilled and constructed with superior materials and a better design to facilitate future maintenance and better well rehabilitations. This will ensure well longevity and provide additional groundwater redundancy for the Lightning W system.

SCHEDULE: The re-drill is currently scheduled for FY 2027. Prioritization for this well will be analyzed each FY moving forward.



Ground Water Supply Improvements Desert Springs 5 Production Well

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Desert Springs 5 Production Well	—	—	—	800	—	800

PROJECT DESCRIPTION: An exploration well drilled and tested on the west side of Pyramid Highway in 2023 found a sufficient quantity and quality of groundwater to supply the planned Nitrate Treatment Plant. A large-diameter production well will be drilled, tested, and equipped to replace aging wells and augment supplies in Spanish Springs Valley.

SCHEDULE: This work is scheduled for FY 2028.



Ground Water Supply Improvements

Desert Springs 6 Exploration Well and Testing

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Desert Springs 6 Exploration Well and Testing	—	—	—	350	750	1,100

PROJECT DESCRIPTION: This project will investigate a possible production well location on the east side of Pyramid Highway to supply water for the planned Nitrate Treatment Plant. An exploratory drilling program, featuring a small-diameter boring and exploration well, will characterize aquifer geology and water quality before drilling a large-diameter production well to replace aging wells and augment supplies in Spanish Springs Valley.

SCHEDULE: This work is scheduled for FY 2028 with a possible equipping in 2029.



TREATMENT PLANT IMPROVEMENTS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Treatment Plant Improvements	360	350	525	425	425	2,085
2	Customer Rates	Chalk Bluff Sedimentation Rehabilitation	—	—	700	—	—	700
1	Customer Rates	Chalk Bluff Clearwell 1 Rehabilitation	300	—	—	—	—	300
1	Customer Rates	Chalk Bluff Clearwell 2 Rehabilitation	200	1,500	—	—	—	1,700
1	Customer Rates	Chalk Bluff HVAC Improvements	75	1,000	—	—	—	1,075
1	Customer Rates	Chalk Bluff 25K Power Reliability and Safety Improvements	100	650	—	—	—	750
2	Customer Rates	Chalk Bluff Soda Ash Reliability Upgrade	50	—	350	—	—	400
1	Customer Rates	Glendale Treatment Plant Improvements	375	325	405	360	455	1,920
1	Customer Rates	Glendale HVAC Improvements	250	—	—	—	—	250
2	Customer Rates	Mt Rose Treatment Plant Efficiency Improvements	450	—	—	—	—	450
1	Customer Rates	Chalk Bluff Filter Underdrains	1,200	—	—	—	—	1,200
2	Customer Rates	Glendale Filter Underdrains	—	500	3,500	—	—	4,000
1	Customer Rates	Orr Ditch Pump Station Rehabilitation and Hydro Facility	11,000	—	—	—	—	11,000
1	Customer Rates	Truckee Canyon Water Treatment Improvements	20	10	10	20	60	120
1	Customer Rates	Lightning W Treatment Improvements	10	10	10	10	165	205
1	Customer Rates	SCADA Rehabilitation / Plant Operating Software	1,000	1,000	750	750	750	4,250
2	Customer Rates	Longley Water Treatment Plant Retrofit	—	250	500	3,500	1,500	5,750

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates/Grants	Spanish Springs Nitrate Treatment Facility	500	500	15,000	14,000	5,000	35,000
2	Customer Rates	Glendale Sand Yard Improvements	430	—	—	—	—	430
1	Customer Rates	Chalk Bluff Effluent Reservoir Outlet Repairs	100	700	—	—	—	800
1	Customer Rates	Chalk Bluff Screening Facility Rehabilitation and Upgrades	200	1,000	—	—	—	1,200
1	Customer Rates	Chalk Bluff Electrical System Upgrades	—	—	250	—	—	250
Subtotal Treatment Improvements			16,620	7,795	22,000	19,065	8,355	73,835

Project Locations: Map of all *Treatment Plant Improvements* projects are highlighted in the following map.



Treatment Plant Improvements

Chalk Bluff Treatment Plant Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Treatment Plant Improvements	360	350	525	425	425	2,085

PROJECT DESCRIPTION: The Chalk Bluff Water Treatment Plant is over 30 years old and requires ongoing rehabilitation work to remain fully operational. This spending is classified as necessary due to the criticality of maintaining plant operations during rehabilitation work. Plant improvements include, but are not limited to: plate settler inspections, valve and instrument replacement, filter media replacement, UPS upgrades, water treatment solids removal improvements, influent water treatment train improvements, additional finished water isolation valves, flow meter improvements and safety improvements.

SCHEDULE: Major projects and timelines include flow meter, actuator and pump replacements as necessary when older equipment is no longer supported, implementing redundant chemical feed process improvements, replacing antiquated instruments and analyzers to ensure treated water quality, improving finished water clearwell isolation valves to maintain treatment plant production during maintenance activities, enhancing uninterruptible power supply electrical feeds to maintain treatment during power events, incorporating improved rapid mixer solutions to ensure proper water treatment and making improvements to the pre-settling basins to better manage treatment plant raw water solids.



Treatment Plant Improvements

Chalk Bluff Sedimentation Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Chalk Bluff Sedimentation Rehabilitation	—	—	700	—	—	700

PROJECT DESCRIPTION: This project involves replacing all 6 solids collection system mechanisms with upgraded units to enhance the reliability of the sedimentation system at the Chalk Bluff Water Treatment Plant.

SCHEDULE: Improvements are scheduled for FY 2027.



Treatment Plant Improvements

Chalk Bluff Clearwell 1 Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Clearwell 1 Rehabilitation	300	—	—	—	—	300

PROJECT DESCRIPTION: In FY 2024, inside of Clearwell 1 was rehabilitated. The outside roof lining has reached its lifespan and will be replaced.

SCHEDULE: The improvements are scheduled for FY 2025.



Treatment Plant Improvements Chalk Bluff Clearwell 2 Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Clearwell 2 Rehabilitation	200	1,500	—	—	—	1,700

PROJECT DESCRIPTION: This project includes inspection of the Clearwell in FY 2025 and anticipated rehab in winter of FY 2026. Rehab will include epoxy coating concrete support columns, caulk joint replacement & improvement for all expansion joints, vertical extension of the concrete baffle wall, full replacement of the baffle wall curtains, roof curb repair as needed, and other misc. incidental repairs.

SCHEDULE: The improvements are scheduled for FY 2026.



Treatment Plant Improvements

Chalk Bluff HVAC Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff HVAC Improvements	75	1,000	—	—	—	1,075

PROJECT DESCRIPTION: The HVAC equipment at Chalk Bluff's main operations building is nearing it's useful life and needs to be replaced. Other equipment throughout the facility will need Controls upgrades due to outdated hardware.

SCHEDULE: Design is anticipated for FY 2025 and construction in FY 2026.



Treatment Plant Improvements

Chalk Bluff 25K Power Reliability and Safety Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff 25K Power Reliability and Safety Improvements	100	650	—	—	—	750

PROJECT DESCRIPTION: The Chalk Bluff 25K power loop is protected with fused disconnect junctions throughout the facility. In a recent outage, we discovered that the type of fuses used on this system is no longer supported and has limited availability with unreasonable lead times. This project will include upgrading those connections with the relatively new industry standard. Additionally, this project will involve adding protection relays to the electrical system to lower the arc-flash safety risk of the equipment.

SCHEDULE: This project is in design and is anticipated to go to construction in FY 2025.



Treatment Plant Improvements

Chalk Bluff Soda Ash Reliability Upgrade

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Chalk Bluff Soda Ash Reliability Upgrade	50	—	350	—	—	400

PROJECT DESCRIPTION: This project includes adding redundancy and reliability to the soda ash system at Chalk Bluff. Soda ash is critical to the process and the maintenance of this system has continued to group over the past few years.

SCHEDULE: Preliminary Design Report Scheduled for FY 2025 with modifications scheduled for FY 2027. Cost for FY 2027 will be updated once the Preliminary Design Report identifies the full scope of the project.



Treatment Plant Improvements

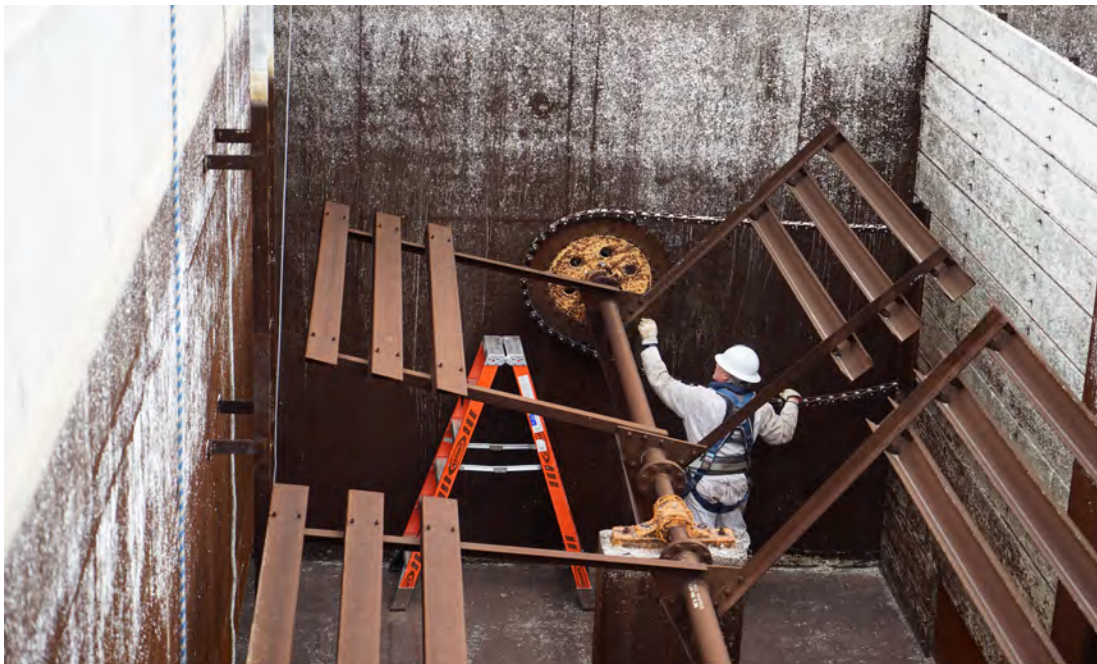
Glendale Treatment Plant Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Glendale Treatment Plant Improvements	375	325	405	360	455	1,920

PROJECT DESCRIPTION: The Glendale Water Treatment Plant is over 40 years old and remains a significant piece of the water supply portfolio by operating 24/7 typically during the months of April through October. Glendale plays an important role due to its availability to treat off-river water supplies, such as groundwater wells that cannot pump straight to the distribution system. This spending is classified as necessary due to the criticality of maintaining plant operations. Plant improvements include, but are not limited to, plate settler inspections, valve and instrument replacement, Trac-Vac improvements, flow meter improvements, treatment chemical upgrades and maintenance storage/shop upgrades.

SCHEDULE: Instrumentation upgrades will continue within the next five years as obsolete instruments are no longer supported by suppliers. Filter media replacement will occur when yearly filter media evaluation indicates that replacement will soon be necessary. Since the Glendale plant is used seasonally, most work will continue over the course of the five-year CIP and during the periods that the plant is not operating.



Treatment Plant Improvements

Glendale HVAC Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Glendale HVAC Improvements	250	—	—	—	—	250

PROJECT DESCRIPTION: The HVAC equipment at Glendale is outdated and beginning to fail. The two basement air handler units (AHUs), the AHU in the Chemical Storage Building, and the Lab HVAC systems require replacement and control upgrades due to outdated hardware.

SCHEDULE: Design and construction are scheduled for FY 2025.



Treatment Plant Improvements

Mt Rose Treatment Plant Efficiency Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Mt Rose Treatment Plant Efficiency Improvements	450	—	—	—	—	450

PROJECT DESCRIPTION: This project contains several efficiency and remote operations improvements identified during startup and testing of the Mt. Rose Water Treatment Plant (MRWTP). One larger task is adding a permanent air compressor to the creek diversion backwash cycle to support remote operations, use less power and disturb less wildlife by using air for scour instead of pumping water through the screens for backwash. The other improvements include various flow measurement and process control improvements to make remote operations more feasible by reducing on site operations labor hours and reducing downtime.

SCHEDULE: Improvements are scheduled for FY 2025.



Treatment Plant Improvements

Chalk Bluff Filter Underdrains

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Filter Underdrains	1,200	—	—	—	—	1,200

PROJECT DESCRIPTION: The dual media filters at Chalk Bluff are nearing the end of its useful life and maintenance and/or repairs are needed on filters that have experienced recent underdrain performance issues. An engineering evaluation of the filters has been completed and an entire replacement of one or more filter underdrains is recommended.

SCHEDULE: Replacements of the underdrains are scheduled for FY 2025.



Treatment Plant Improvements

Glendale Filter Underdrains

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Glendale Filter Underdrains	—	500	3,500	—	—	4,000

PROJECT DESCRIPTION: The dual media filters at Glendale are nearing the end of its useful life and maintenance and/or repairs are needed on filters that have experienced recent underdrain performance issues. An engineering evaluation of the filters has been completed and an entire replacement of one or more filter underdrains is recommended.

SCHEDULE: Due to cost and operational complexities associated with taking a filter out of service, this will be a multi-year effort beginning with design and bidding in FY 2026 and replacements taking place in FY 2027.



Treatment Plant Improvements

Orr Ditch Pump Station Rehabilitation and Hydro Facility

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Orr Ditch Pump Station Rehabilitation and Hydro Facility	11,000	—	—	—	—	11,000

PROJECT DESCRIPTION: This project will increase redundancy and reliability by enhancing the Truckee River source of supply to the Chalk Bluff Water Treatment Plant. Currently, there are very limited options to facilitate repairs or conduct preventative maintenance due to the location and arrangement of the intake structure and wet well. The project design will include modifying the existing proprietary wet well submersible pump design into a pedestal-style vertical turbine pump arrangement with non-submerged motors, the construction of a building over the top of the wet well to increase security and allow a safer means of performing maintenance activities, and incorporate a system to eliminate silting issues within the intake structure. During periods of low demand, the Highland Canal has available capacity to bring water to the Chalk Bluff Facility. An existing pipeline brings water from the river via the Orr Ditch Pump Station up to Chalk Bluff. During winter months, excess water from the Highland Canal can be sent down the hill to the pump station to generate hydroelectric power that can be used at the facility to offset power costs during those months.

SCHEDULE: Construction commenced in FY 2024 and is scheduled to be completed in FY 2025.



Treatment Plant Improvements

Truckee Canyon Water Treatment Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Truckee Canyon Water Treatment Improvements	20	10	10	20	60	120

PROJECT DESCRIPTION: The current treatment system which removes arsenic, iron, and manganese consists of a greensand filter system and an evaporation pond for backwash water with a total capacity of about 100 gallons per minute. Scheduled improvements may include the addition of a polymer feed system to improve filter performance, fine tuning of the treatment process to reflect chemical changes in the raw water and replacement of miscellaneous components and control upgrades.

SCHEDULE: Expenditures in FY's 2025-2029 are contingent spending related to treatment efficiency and for chemical changes in the raw water.



Treatment Plant Improvements

Lightning W Treatment Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Lightning W Treatment Improvements	10	10	10	10	165	205

PROJECT DESCRIPTION: The existing treatment process consists of two ion exchange resin pressure vessels to remove uranium. Previous work included change out/replacement of the filter media, disposal of the spent media. The remaining work includes miscellaneous improvements to the building that houses the treatment equipment.

SCHEDULE: The FY 2029 work includes media exchange.



Treatment Plant Improvements

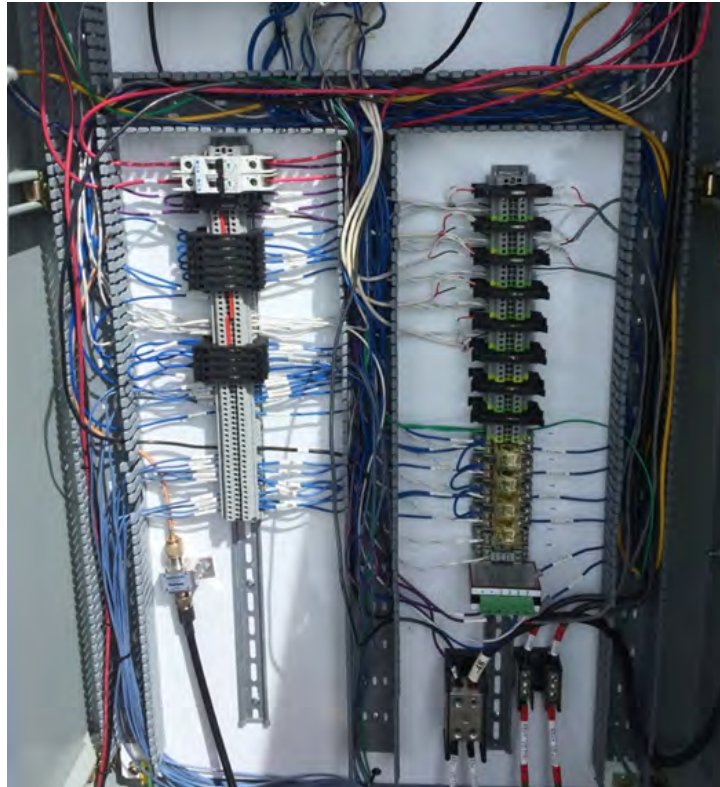
SCADA Rehab/Plant Operating Software

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	SCADA Rehabilitation / Plant Operating Software	1,000	1,000	750	750	750	4,250

PROJECT DESCRIPTION: SCADA (Supervisory Control and Data Acquisition) is the system by which TMWA monitors, records and controls the water system inputs, outputs, flows and pressures. Data acquired by these system controls are primarily monitored at the treatment plants, but the system equipment and technology are spread throughout the water system infrastructure. Much of the technology is approaching obsolescence and needs to be replaced with emphasis on standardization of programmable logic controllers (PLC) and other equipment. Therefore, TMWA decided on a systematic approach to updating the equipment and operating software starting in fiscal year 2015 with telemetry improvement in the ensuing four years to convert to wireless transmission of data feeds where possible.

SCHEDULE: The improvements and replacements of the equipment and operating software will continue through FY 2029.



Treatment Plant Improvements

Longley Water Treatment Plant Retrofit

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Longley Water Treatment Plant Retrofit	—	250	500	3,500	1,500	5,750

PROJECT DESCRIPTION: This project will include the determination of what improvements and costs would be needed to convert the existing Longley Lane Water Treatment Plant from a micro filtration process to a greensand arsenic/iron/manganese treatment process.

SCHEDULE: Planning and permitting to be completed in FY 2026. Design is scheduled for FY 2027 and construction is scheduled to begin in FY 2028 completing in FY 2029.



Treatment Plant Improvements

Spanish Springs Nitrate Treatment Facility

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates/ Grants	Spanish Springs Nitrate Treatment Facility	500	500	15,000	14,000	5,000	35,000

PROJECT DESCRIPTION: Initiation of planning, permitting, site acquisition and design for a 3 MGD biological water treatment process to treat several groundwater wells in Spanish Springs that are out of service due to elevated nitrate and arsenic. Treatment is required to maintain and restore the service capacity of the wells.

TMWA completed the operation and testing of a 5 GPM pilot treatment plant in 2018. Biological treatment of nitrate in potable water is currently not permitted in Nevada. TMWA, working with Carollo Engineers, UNR and WaterStart, has evaluated this innovative technology and determined it to be a cost-effective treatment solution compared to traditional, high cost alternatives such as ion exchange.

SCHEDULE: Planning, permitting, site acquisition and design was conducted in FY 2023 continuing through FY 2026 with construction scheduled to begin in FY2027.



Treatment Plant Improvements Glendale Sand Yard Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Glendale Sand Yard Improvements	430	—	—	—	—	430

PROJECT DESCRIPTION: This Project is for adding a metal three sided building over the trench materials bins at Glendale. This will ensure the material stays in a usable conditions during emergency leak repairs. The project also includes improvements to the site drainage and security of the facility.

SCHEDULE: This project is currently in design and construction is scheduled for FY 2025.



Treatment Plant Improvements

Chalk Bluff Effluent Reservoir Outlet Repairs

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Effluent Reservoir Outlet Repairs	100	700	—	—	—	800

PROJECT DESCRIPTION: A few years ago, the 72" effluent pipe out of the Clearwell at Chalk Bluff experienced a significant leak, prompting TMWA maintenance to perform an emergency repair to restore treatment operations. This project involves installing a permanent fix using a 72" flexible fitting.

SCHEDULE: Design is underway and the repair is scheduled for FY2026.



Treatment Plant Improvements

Chalk Bluff Screening Facility Rehabilitation and Upgrades

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Screening Facility Rehabilitation and Upgrades	200	1,000	—	—	—	1,200

PROJECT DESCRIPTION: This project involves replacing all the isolation slide gates in the screening facility, which have failed due to corrosion and wear. It also includes replacing mechanical bar screen #2, which has reached its useful lifespan, as well as installing a pipe to enable bypassing the screening facility in emergency operation scenario.

SCHEDULE: Design is underway and Construction is scheduled for FY 2025.



Treatment Plant Improvements

Chalk Bluff Electrical System Upgrades

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Chalk Bluff Electrical System Upgrades	—	—	250	—	—	250

PROJECT DESCRIPTION: Evaluation of the existing electrical system at the Chalk Bluff Treatment Plant to identify the cause of main breaker power disruption when electrical faults occur in auxiliary plant equipment.

SCHEDULE: Electrical System upgrades are scheduled to be completed in FY 2027.



DISTRIBUTION SYSTEM PRESSURE IMPROVEMENTS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Pressure Regulators Rehabilitation	2,000	1,200	750	750	750	5,450
2	Customer Rates	Land Acquisitions	150	150	150	250	250	950
2	Customer Rates	Desert Fox Standby Generator	—	—	150	—	—	150
2	Developer Fees	Longley Booster Pump Station / Double R Capacity Increase	—	250	1,500	—	—	1,750
3	Customer Rates	Pump Station Oversizing	250	250	250	250	250	1,250
3	Customer Rates	Pump Station Rebuilds, Rehabilitations	150	150	150	250	250	950
2	Customer Rates / Developer Fees	Sullivan 2 Booster Pump Station Replacement	—	—	250	2,750	—	3,000
3	Customer Rates	Mount Rose Well 3 Pump Station Improvements	—	—	—	250	800	1,050
3	Customer Rates	Standby Generator Improvements	100	100	100	150	150	600
1	Customer Rates	PSOM Standby Generator Additions	1,100	2,100	1,000	—	—	4,200
1	Customer Rates	Idlewild Booster Pump Station Improvements	—	—	400	1,200	1,800	3,400
2	Developer Fees	Raleigh to Fish Springs Booster Pump Station	—	—	—	300	2,750	3,050
2	Customer Rates / Developer Fees	South-West Pump Zone Consolidation Phase 1	400	—	—	330	3,660	4,390
2	Developer Fees	STMGID Tank 4 Booster Pump Station / Transmission Line	—	250	100	250	100	700
2	Developer Fees	Wildwood 2 Pressure Regulating Station SCADA Control	—	100	—	—	—	100
2	Customer Rates / Developer Fees	South-West Pump Zone Consolidation Phase 2	—	—	—	50	990	1,040
2	Customer Rates	Sierra Summit-Kohl's Zone Consolidation	—	—	400	400	—	800
2	Customer Rates	Wild Mustang Regulated Pressure Zone	—	—	50	400	—	450
2	Customer Rates	Thomas Creek 4 Pressure Regulating Station	—	300	—	—	—	300

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	CIP Total
2	Customer Rates	Kings Row 2 Booster Pump Station	—	—	200	500	2,300	3,000
2	Developer Fees	Spring Creek Tanks 3 and 4 Booster Pump Station Modifications	—	300	1,000	—	—	1,300
1	Developer Fees	Lazy 5 Low Head Pump Station and Mains	2,500	500	—	—	—	3,000
1	Customer Rates	South Hills Booster Pump Station Replacement	70	2,750	1,500	—	—	4,320
2	Customer Rates	Sierra Highlands Pressure Regulating Station	—	250	—	—	—	250
1	Customer Rates	7th Street High and Low Booster Pump Station Replacement	3,000	—	—	—	—	3,000
1	Customer Rates	STMGID NAC Deficiencies - Upper Toll	—	—	600	2,500	—	3,100
1	Reimbursements	Verdi 1 Booster Pump Station	2,500	500	—	—	—	3,000
1	Reimbursements	Santerra Quilici 1 Booster Pump Station	3,700	—	—	—	—	3,700
1	Reimbursements	Santerra Quilici 2 Booster Pump Station	—	—	200	3,000	—	3,200
1	Reimbursements	Silver Hills Booster Pump Station	—	3,000	—	—	—	3,000
1	Reimbursements	Ascente Booster Pump Station	2,500	—	—	—	—	2,500
1	Reimbursements	Talus Valley Booster Pump Station	2,900	800	—	—	—	3,700
2	Customer Rates	Tappan 2 Pressure Regulating Station	—	300	—	—	—	300
1	Customer Rates	Caughlin Train A Improvements	1,000	—	—	—	—	1,000
1	Reimbursements	Idlewild Irrigation Pump Station Improvements and Repair	170	200	—	—	—	370

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Off River Supply Redundancy Improvements STM and NVS	—	500	—	1,000	—	1,500
Sub-Total Pressure Improvements			22,490	13,950	8,750	14,580	14,050	73,820

Project Locations: Map of all *Distribution System Pressure Improvements* projects are highlighted in the following map.



Distribution System Pressure Improvements Pressure Regulators Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Pressure Regulators Rehabilitation	2,000	1,200	750	750	750	5,450

PROJECT DESCRIPTION: Provision is made in the annual budget for major rehabilitation or complete reconstruction of several pressure regulators in the distribution system. TMWA has evaluated nearly 130 pressure regulator stations currently in service and has identified a number of pressure regulator stations requiring a certain amount of rehabilitation on an annual basis.

SCHEDULE: This is an ongoing rehabilitation project with about 130 individual stations identified as requiring rehabilitation or replacement over the next fifteen years.



Distribution System Pressure Improvements Land Acquisitions

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Land Acquisitions	150	150	150	250	250	950

PROJECT DESCRIPTION: TMWA has over 120 pump stations in service. Many of these pump stations have 480 volt electrical services and are underground (below grade) in locations that allows for water infiltration. Many underground pump stations will be reaching the end of their service life, which will require replacement of the underground vault. Rather than replace the stations in place TMWA is planning to acquire other sites so these stations can be rebuilt above grade improving access and safety. Acquisition of sites may be time consuming and may not be purchased in a particular year.

SCHEDULE: This is an ongoing project with funding to allow purchase of 3-4 sites per year depending on location and market conditions.



Distribution System Pressure Improvements Desert Fox Standby Generator

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Desert Fox Standby Generator	—	—	150	—	—	150

PROJECT DESCRIPTION: This project involves furnishing and installing a new standby generator and ATS to power one 50 Hp pump at the existing Desert Fox booster pump station. This alternative pumping capacity is needed when the existing 0.5 MG Spring Creek 5A Tank is out of service for recoating or other maintenance or if an extended power outage occurs in the area.

SCHEDULE: The installation of the generator is scheduled in FY 2027.



Distribution System Pressure Improvements

Longley Booster Pump Station/Double R Capacity Increase

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Longley Booster Pump Station / Double R Capacity Increase	—	250	1,500	—	—	1,750

PROJECT DESCRIPTION: Increase pumping capacity at the existing Longley Lane Booster Pump Station and make improvements at the Double R Intertie to provide additional peak supply to the Double Diamond area. The improvements at the Longley pump station will consist of replacing one of the existing pumps/motors with a new higher capacity unit along with electrical and motor starter upgrades. Certain components of the Double R Intertie will be replaced to provide the additional capacity without excessive friction losses.

SCHEDULE: The improvements are scheduled for FY's 2026-2027. The improvements are necessary when supply through the Double R Intertie must exceed 5,400 gallons per minute.



Distribution System Pressure Improvements Pump Station Oversizing

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Pump Station Oversizing	250	250	250	250	250	1,250

PROJECT DESCRIPTION: The project may consist of cash contributions towards construction of a new above ground booster pump stations. From time to time, TMWA may provide oversizing to certain booster stations that are development driven. Each is reviewed on a case by case basis.

SCHEDULE: The improvements are ongoing, but the schedule is subject to change based on development & operational needs.



Distribution System Pressure Improvements Pump Station Rebuilds, Rehabilitations

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Pump Station Rebuilds, Rehabilitations	150	150	150	250	250	950

PROJECT DESCRIPTION: TMWA has over 120 pump stations in service. An amount is budgeted annually for rehabilitation of TMWA's older pump stations. Other pump stations may require pump, motor, and electrical upgrades. Budget for future years will allow TMWA to complete up to one above ground replacement project per year if suitable sites can be acquired. Otherwise, normal rehabilitation work will be performed per the priorities established by the study at a lower overall annual cost.

SCHEDULE: In FY 2025, TMWA will continue conducting condition assessments on our existing Booster Pump Stations (BPS) and preparing to reconstruct several booster stations above ground. Depending on land acquisition timing and rehabilitation priorities, we may replace the Scottsdale BPS, Kings Row 2 Pump Station, or other priority BPS identified in this year's evaluation.



Distribution System Pressure Improvements Sullivan 2 Booster Pump Station Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	Sullivan 2 Booster Pump Station Replacement	—	—	250	2,750	—	3,000

PROJECT DESCRIPTION: The project involves construction of a new above grade pump station at the site of the existing Sullivan Tank on El Rancho. The new pump station will pump to the proposed Sun Valley 2 Tank tentatively located off of Dandini Drive near the TMCC/DRI complex. Completion of these facilities should allow the retirement of the existing Sun Valley 1 pump station.

SCHEDULE: Construction is scheduled to begin in FY 2028 to reflect delays in obtaining a tank site due to unknowns with the US 395 Connector Project.



Distribution System Pressure Improvements Mount Rose Well 3 Pump Station Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Mount Rose Well 3 Pump Station Improvements	—	—	—	250	800	1,050

PROJECT DESCRIPTION: The project involves rehab of the building, removal of pipe and valves that will no longer be necessary following completion of the Mt. Rose Well 3 improvements and upgrades to electrical and control systems.

SCHEDULE: Construction is scheduled to begin in FY 2028.



Distribution System Pressure Improvements Standby Generator Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Standby Generator Improvements	100	100	100	150	150	600

PROJECT DESCRIPTION: A number of TMWA pumps stations have backup generation in case of power failures. TMWA incorporates a contingency for replacement of a generator in case of failure or if the Washoe County Health District requires backup generation at a particular site. No spending will occur unless necessary. This spending does not include backup generation for new pump stations required by and paid for by growth.

SCHEDULE: No single project has been identified for the current 5-year CIP and no funds will be expended unless necessary.



Distribution System Pressure Improvements PSOM Standby Generator Additions

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	PSOM Standby Generator Additions	1,100	2,100	1,000	—	—	4,200

PROJECT DESCRIPTION: In 2021, NV Energy began their efforts to de-risk their infrastructure during periods of high fire risk (high winds, low humidity). Those efforts culminated in the “Public Safety Outage Management” or “PSOM” events where NV Energy proactively de-energizes their grid for up to 72 hours per event. TMWA has initially responded by renting several large trailer mounted generators and modified various facilities to accept the electrical connections from these generators. This project will procure and install permanent generators for these sites: Caughlin 2 BPS, Caughlin 3 BPS, Caughlin 4 BPS, Mt. Rose 5 BPS and Well, US 40 BPS, Mae Anne 1 BPS, and Mt. Rose Tank 1 BPS.

SCHEDULE: TMWA will prioritize the Mae Anne, US 40, and Mt. Rose BPS' in FY 2025 and the balance of the stations in FY's 2026-2027. Due to land availability restrictions the Caughlin BPS' will be pushed. A review of the financial viability of continuing to rent the trailer mounted generators will occur prior to procurement.



Distribution System Pressure Improvements Idlewild Booster Pump Station Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Idlewild Booster Pump Station Improvements	—	—	400	1,200	1,800	3,400

PROJECT DESCRIPTION: The project will replace existing pumps and motors at the Idlewild BPS Transfer Station to insure adequate and reliable emergency capacity. It is the only booster station that is capable of transferring water from the Highland Reservoir Zone to the Hunter Creek Reservoir Zone. The station was originally constructed as part of the Idlewild WTP, and was never designed specifically for the purpose that it is used for today. Improvements identified in the project include: Properly sizing new pumps and motors for today’s application, upgrading antiquated electrical systems and HVAC systems and bringing building up to modern construction codes. Evaluations by TMWA indicated this was the most cost effective alternative to provide a redundant supply for the zone and allowed retirement of the old 24-inch transmission pipeline on Plumb Lane to the Hunter Creek Reservoir.

SCHEDULE: Design is scheduled for FY 2027 with construction scheduled to begin in FY 2028.



Distribution System Pressure Improvements Raleigh to Fish Springs Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Raleigh to Fish Springs Booster Pump Station	—	—	—	300	2,750	3,050

PROJECT DESCRIPTION: The project involves construction of a new pump station to pump water from the Raleigh Heights zone to the Fish Springs terminal tank when the Fish Springs Wells are off-line or if a main break occurs on the Fish Springs transmission line. In the future, there will be a number of customers served directly from the Fish Springs terminal tank; therefore, it is necessary to provide a secondary supply to maintain continuous water service.

SCHEDULE: Implementation will begin in FY 2028 and construction in FY 2029.



Distribution System Pressure Improvements South-West Reno Pump Zone Consolidation Phase 1

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	South-West Pump Zone Consolidation Phase 1	400	—	—	330	3,660	4,390

PROJECT DESCRIPTION: The project includes a new high head booster pump station located on Lakeridge golf course property adjacent to Plumas; a new 12-inch suction pipeline from Lakeside Dr.; a high pressure transmission pipeline from the pump station across golf course property to Greensboro and McCarran Blvd.; and another 12-inch pipeline tie to the Ridgeview 1 pump zone. The completion of Phase 1 will allow the retirement of four existing below ground pump stations (Lakeside, Lakeridge, Plumas, Ridgeview 1).

SCHEDULE: Design of the improvements is scheduled to begin in FY 2025. Construction is scheduled for FY's 2028 - 2029.



Distribution System Pressure Improvements
STMGID Tank 4 Booster Pump Station / Transmission Line

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	STMGID Tank 4 Booster Pump Station / Transmission Line	—	250	100	250	100	700

PROJECT DESCRIPTION: The project includes a new booster pump station located near the STMGID Tank 4/5 site and approximately 6,000 feet of 12-inch discharge main to the Mt Rose Water Treatment Plant (WTP). The facilities will provide a supplemental source to the Mt Rose WTP that will back up plant production on the maximum day during drought and will also provide another source of supply for implementing conjunctive use in the area.

SCHEDULE: Design and construction of the pipeline and pressure regulating station will begin in FY 2026 and construction will continue in FY 2027. The design and construction of the pump station will begin in FY 2027 with final design and construction following in FY 2028. The need for the pump station may elevate based on an extended drought and source supply to the Mt. Rose WTP.



Distribution System Pressure Improvements

Wildwood Pressure Regulating Station/SCADA Control

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Wildwood 2 Pressure Regulating Station SCADA Control	—	100	—	—	—	100

PROJECT DESCRIPTION: The project involves retrofitting an existing pressure regulating station to SCADA (remote) control to provide additional transfer capacity into the Mt Rose Tank 2 zone. It will be necessary to obtain electrical service to the existing vault; install a new PLC; and to equip the existing pressure regulating valve with solenoid control to allow the valve to be remotely operated from the Glendale control room.

SCHEDULE: The project is scheduled for FY 2026 but may be delayed or accelerated depending on the timing of growth and the need for the additional tank fill capacity.



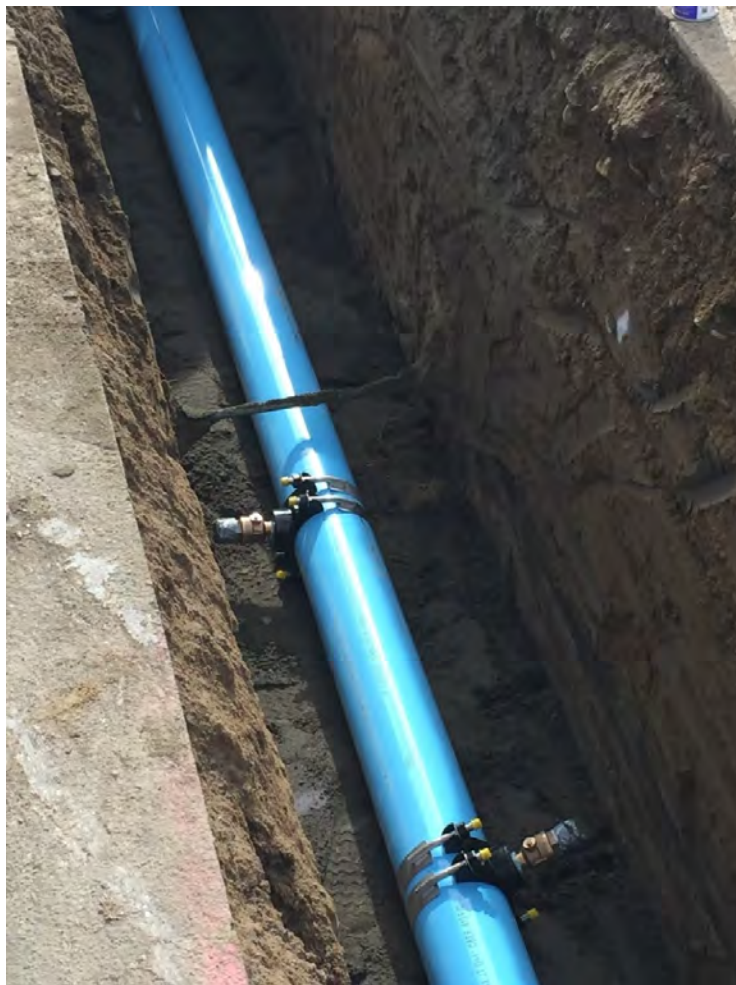
Distribution System Pressure Improvements South-West Pump Zone Consolidation Phase 2

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	South-West Pump Zone Consolidation Phase 2	—	—	—	50	990	1,040

PROJECT DESCRIPTION: The project is a continuation of Phase 1 and involves construction of additional water main to further integrate the new South-West Reno pump station and allow the retirement of one more existing underground pump station plus provide backup to two other pump zones.

SCHEDULE: Design of the facilities is scheduled to begin in FY 2028. Construction is scheduled to start in FY 2029.



Distribution System Pressure Improvements Sierra Summit-Kohl's Zone Consolidation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Sierra Summit-Kohl's Zone Consolidation	—	—	400	400	—	800

PROJECT DESCRIPTION: The project involves construction of a new pressure regulating station (PRS) at Old Virginia and Sutherland; a short main tie between the former STMGID Well 9 site and the distribution system; and about 950 feet of 8-inch main in Sutherland from the PRS to Sage Hill Road. The improvements will convert an area with very high distribution system pressures to the existing Kohl's Regulated Zone and would expand the regulated zone by consolidating the Kohl's, Walmart and Old Virginia 2 regulated pressure zones.

SCHEDULE: The project is scheduled for construction to begin in FY 2027.



Distribution System Pressure Improvements Wild Mustang Regulated Pressure Zone

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Wild Mustang Regulated Pressure Zone	—	—	50	400	—	450

PROJECT DESCRIPTION: The project involves construction of a new pressure regulator station and approximately 750 linear feet of water main to create a new pressure zone in the Geiger Grade area of the South Truckee Meadows to reduce distribution system pressures in the area.

SCHEDULE: Design of the construction is scheduled to begin in FY 2027 followed by construction in FY 2028.



Distribution System Pressure Improvements Thomas Creek 4 Pressure Regulating Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Thomas Creek 4 Pressure Regulating Station	—	300	—	—	—	300

PROJECT DESCRIPTION: The project involves construction of a new pressure regulator station and approximately 160 liner feet of water main to increase capacity to the Moonrise pressure zone. The increase in capacity will help with replenishing storage in the STMGID Tank and increase fire flow within the zone.

SCHEDULE: The project is scheduled for FY 2026.



Distribution System Pressure Improvements Kings Row 2 Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Kings Row 2 Booster Pump Station	—	—	200	500	2,300	3,000

PROJECT DESCRIPTION: This project will replace the existing underground Kings Row 1 pump station with a new above ground pump station on TMWA property. The project is part of annual booster pump station rehabilitation/replacement program focused on reconstructing existing pump stations above grade.

SCHEDULE: Planning and design will occur in FY's 2027-2028 with construction scheduled in FY 2029.



Distribution System Pressure Improvements Spring Creek Tanks 3 and 4 Booster Pump Station Modifications

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Spring Creek Tanks 3 and 4 Booster Pump Station Modifications	—	300	1,000	—	—	1,300

PROJECT DESCRIPTION: This project will replace an existing 200 GPM pump with a new pump/motor rated for 1,800 GPM at the existing Spring Creek 3/4 Tanks site in Spanish Springs Valley. The existing regulated bypass will also be equipped for SCADA control. The improvements will provide redundant supply to the Desert Springs 3 and Spring Creek 6 tank zones.

SCHEDULE: Planning and design will occur in FY 2026 with construction scheduled in FY 2027.



Distribution System Pressure Improvements Lazy 5 Low Head Pump Station & Mains

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	Lazy 5 Low Head Pump Station and Mains	2,500	500	—	—	—	3,000

PROJECT DESCRIPTION: The project involves construction of a new low head pump station located near the existing Lazy 5 Intertie in NE Sparks/Spanish Springs Valley along with suction and discharge mains. TMWA will need to acquire a parcel of land and pipeline easements out to the Pyramid Hwy. The project will increase TMWA’s ability to transfer surface water to the Spanish Springs Valley and may defer more costly groundwater treatment options to increase capacity for growth.

SCHEDULE: Construction scheduled to begin in FY 2025 with the project completing in FY 2026.



Distribution System Pressure Improvements South Hills Booster Pump Station Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	South Hills Booster Pump Station Replacement	70	2,750	1,500	—	—	4,320

PROJECT DESCRIPTION: The project involves construction of a new, above grade booster pump station with genset; 3,700 liner feet of 16-inch main, 250 liner feet of 14-inch main and 2,300 linear feet of 12-inch main on Broken Hills Rd, Foothill Rd and Broili; a new Caribou pressure regulator station; and 9 each individual PRV'S on customer service lines.

SCHEDULE: Planning and design is scheduled to begin in FY 2025 and construction is scheduled to begin in FY 2026 with the project completing in FY 2027.



**Distribution System Pressure Improvements
Sierra Highlands Pressure Regulating Station**

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Sierra Highlands Pressure Regulating Station	—	250	—	—	—	250

PROJECT DESCRIPTION: The project involves construction of a new pressure regulator station located near the intersection of Sierra Highlands Drive and North McCarran Blvd. to provide a secondary/supplemental supply from the Mae Anne-McCarran zone to the Chalk Bluff zone.

SCHEDULE: Construction for the project is scheduled for FY 2026.



Distribution System Pressure Improvements
7th Street High & Low Booster Pump Station Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	7th Street High and Low Booster Pump Station Replacement	3,000	—	—	—	—	3,000

PROJECT DESCRIPTION: The project will replace 2 underground booster pump stations in the intersection of Keystone Avenue and 7th Street in Northwest Reno. The booster pump stations need rehabilitation and accessing them for maintenance is unsafe and requires major traffic control in the highly traveled intersection. TMWA has been in discussions with NDOT for purchasing a remnant parcel on 7th street east of Keystone Avenue and West of Vine Street.

SCHEDULE: Construction for the project is scheduled for FY 2025.



Distribution System Pressure Improvements STMGID NAC Deficiencies - Upper Toll

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	STMGID NAC Deficiencies - Upper Toll	—	—	600	2,500	—	3,100

PROJECT DESCRIPTION: The project consists of main ties, hydrant installations and individual booster pump systems to be constructed in multiple locations in former STMGID service areas to correct NAC pressure and fire flow deficiencies. In order to correct deficiencies in the upper Toll Road area, it will be necessary to create a new higher pressure zone by constructing a new tank, booster pump station and approximately 6,300 linear feet of 12-inch main.

SCHEDULE: The new pressure zone on upper Toll Road will be constructed in FY 2028 subject to acquisition of the tank site property which may be private or on BLM property.



Distribution System Pressure Improvements Verdi 1 Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Verdi 1 Booster Pump Station	2,500	500	—	—	—	3,000

PROJECT DESCRIPTION: This booster pump station is part of the ‘backbone facilities’ necessary to bring more surface water to the Verdi area and meet planned/approved growth via various housing projects underway. The planned capacity is 3,500 gpm.

SCHEDULE: Construction is scheduled to begin in FY 2025.



Distribution System Pressure Improvements Santerra Quillici 1 Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Santerra Quillici 1 Booster Pump Station	3,700	—	—	—	—	3,700

PROJECT DESCRIPTION: This booster pump station will be located next to the Boomtown Tanks to provide service to the portions of Santerra Quillici project located higher in elevation than can be served by existing infrastructure. The planned capacity is 1,000 gpm.

SCHEDULE: Construction is scheduled for FY 2025.



Distribution System Pressure Improvements Santerra Quillici 2 Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Santerra Quillici 2 Booster Pump Station	—	—	200	3,000	—	3,200

PROJECT DESCRIPTION: This pump station will be located next to the Boomtown Tanks to provide service to the portions of Santerra Quillici project located higher in elevation than can be served by existing infrastructure. The planned capacity is 415 gpm.

SCHEDULE: Design and construction will occur in FY 2027 with construction in FY 2028.



Distribution System Pressure Improvements Silver Hills Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Silver Hills Booster Pump Station	—	3,000	—	—	—	3,000

PROJECT DESCRIPTION: The booster pump station will be located next to the Army Air well at the Reno Stead Airport to provide service to the Silver Hills project located to the west of the Airport and on either side of Red Rock Road. The planned capacity is 2,000 gpm.

SCHEDULE: Construction is scheduled for FY 2026.



Distribution System Pressure Improvements Ascente Booster Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Ascente Booster Pump Station	2,500	—	—	—	—	2,500

PROJECT DESCRIPTION: The Ascente Pump Station will be located within the Ascente development in South Truckee Meadows. It will pump from the existing Mt. Rose 2 tank to the new Ascente Tank. The planned capacity will be 250 gpm but will also have fire pump capacity in the event of a tank outage. The pump station is located in a NV Energy PSOM (preventative maintenance outage management) area and will require a backup generator.

SCHEDULE: Design and Construction is scheduled for FY 2025.



**Distribution System Pressure Improvements
Talus Valley Booster Pump Station**

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Talus Valley Booster Pump Station	2,900	800	—	—	—	3,700

PROJECT DESCRIPTION: The Talus Valley Development is the driver for this project. This booster pump station will add an additional 1,500 GPM supply to the Double Diamond pressure zone from the Sparks Gravity zone. This development needs 900 GPM and TMWA is upsizing the capacity to 4,000 GPM. No off-site improvements are included in this project.

SCHEDULE: Final Design and the start of Construction will take place in FY 2025 with an anticipated completion in FY 2026.



Distribution System Pressure Improvements Tappan 2 Pressure Regulator System

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Tappan 2 Pressure Regulating Station	—	300	—	—	—	300

PROJECT DESCRIPTION: The project will provide the Tappan Reg zone with more redundancy and a second source of supply. The location is approximate and subject to easement acquisition and timing.

SCHEDULE: Planned for design/construction in FY 2026 if land acquisition timing allows.



Distribution System Pressure Improvements Caughlin Train A Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Caughlin Train A Improvements	1,000	—	—	—	—	1,000

PROJECT DESCRIPTION: To enhance redundancy and reliability in this critical system, the A-train pumps and motors within Caughlin booster pump stations 2, 3, and 4 will be upsized. Additionally, improvements to address corrosion issues in these pump stations will be made.

SCHEDULE: Design and procurement is underway with the completion anticipated in FY 2025.



Distribution System Pressure Improvements

Idlewild Irrigation Pump Station Improvements and Repair

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Reimbursements	Idlewild Irrigation Pump Station Improvements and Repair	170	200	—	—	—	370

PROJECT DESCRIPTION: The Idlewild Irrigation Pump Station site along the Truckee River requires repair due to a retaining wall failure along the riverside. Additionally, the City of Reno is conducting a lining project for the Idlewild Park ponds, and TMWA is collaborating with the City to install an intake from the ponds to the pump station. If successful, this intake will eliminate the costly sanding issue the pump station encounters when operating from the current Truckee River intake.

SCHEDULE: Improvements are scheduled to begin in FY2025 and the full project is anticipated to continue into 2026.



Distribution System Pressure Improvements Off River Supply Redundancy Improvements STM and NVS

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Off River Supply Redundancy Improvements STM and NVS	—	500	—	1,000	—	1,500

PROJECT DESCRIPTION: This project will connect the Fish Spring System in the North Valleys through a series of regulation stations into the Highland gravity zone.

SCHEDULE: This is in the planning phase and will likely be a phased design to begin in FY 2026 followed by construction in FY 2028.



WATER MAIN DISTRIBUTION & SERVICE LINE IMPROVEMENTS

Summary

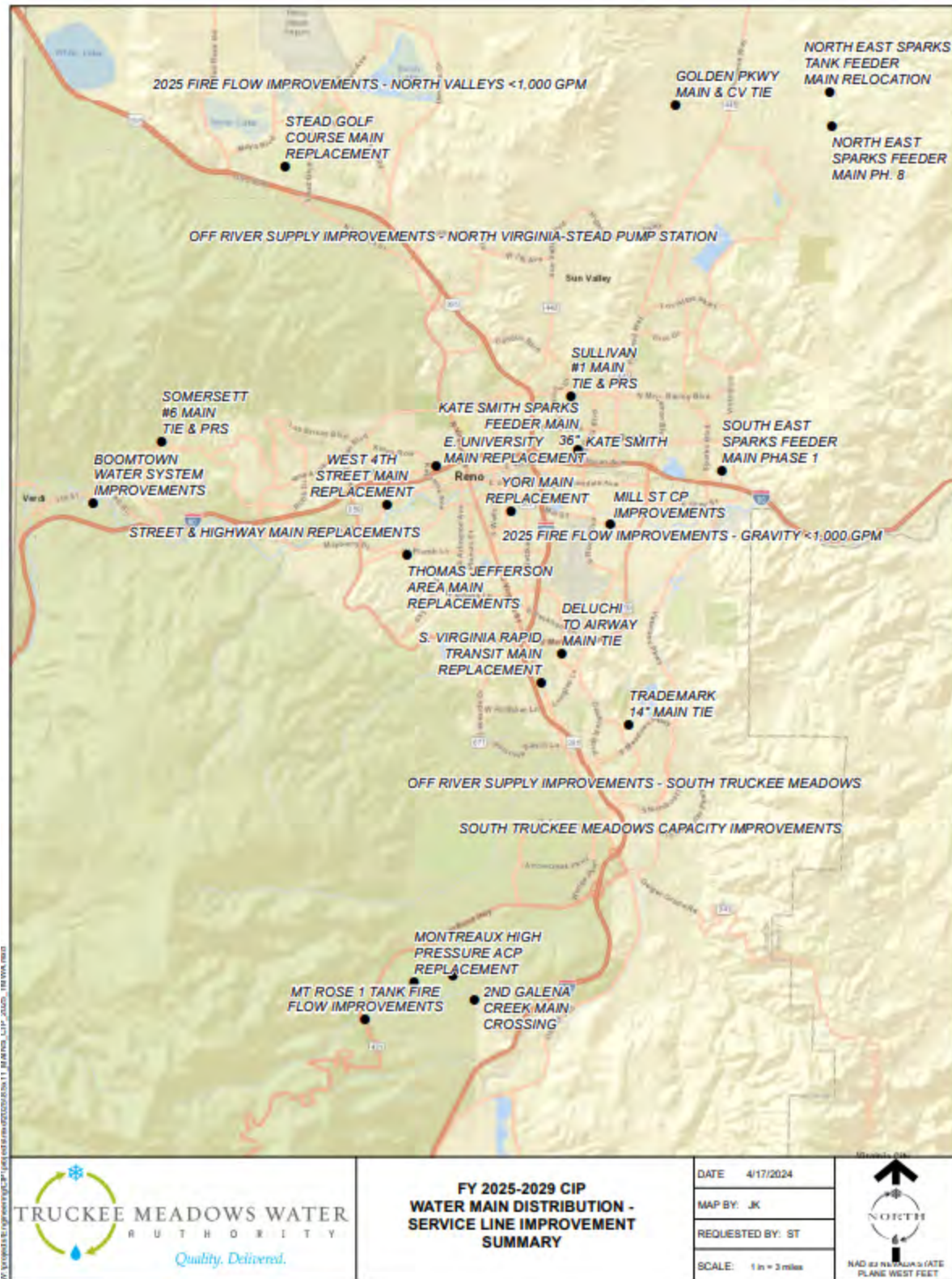
Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Street and Highway Main Replacements	4,000	5,000	5,000	5,000	5,000	24,000
1	Customer Rates	Golden Parkway Main and Check Valve Tie	40	150	—	—	—	190
1	Customer Rates	Yori and E. University Main Replacement	2,200	—	—	—	—	2,200
1	Customer Rates	Kate Smith Water Main Replacement Phase 1-3	1,900	2,800	200	—	—	4,900
1	Customer Rates	Kate Smith Sparks Feeder Main-36"	100	3,800	—	—	—	3,900
1	Customer Rates	Thomas Jefferson Area Main Replacements	1,800	2,000	—	—	—	3,800
1	Customer Rates	South Virginia Rapid Transit Main Replacement	2,000	—	—	—	—	2,000
2	Developer Fees	North-East Sparks Tank Feeder Main Relocation	—	975	—	—	—	975
2	Developer Fees	Trademark 14" Main Tie	—	470	—	—	—	470
2	Customer Rates	Mount Rose Tank 1 Fire Flow Improvements	—	400	570	—	—	970
2	Customer Rates / Developer Fees	Stead Golf Course Main Replacement	—	—	200	2,400	—	2,600
1	Developer Fees	North-East Sparks Feeder Main Phase 8	10	50	2,050	—	—	2,110
2	Developer Fees	Goldenrod Main	1,800	—	—	—	—	1,800
1	Developer Fees	Boomtown Water System Improvements	1,500	1,500	—	—	—	3,000
2	Customer Rates / Developer Fees	Sullivan 1 Main Tie and Pressure Regulating Station	—	—	100	650	—	750
2	Customer Rates	Montreux High Pressure ACP Replacement	100	1,000	1,200	—	—	2,300
2	Customer Rates	2nd Galena Creek Main Crossing	—	40	560	—	—	600
2	Customer Rates	Off-River Supply Improvements - South Truckee Meadows	—	—	50	1,050	—	1,100
2	Customer Rates	Off-River Supply Improvements - North Virginia-Stead Pump Station	—	400	—	—	—	400
2	Customer Rates	Somersett 6 Main Tie and Pressure Regulating Station	280	—	—	—	—	280
1	Customer Rates	2025 Fire Flow Improvements - Gravity <1,000 GPM	—	—	550	—	—	550
1	Customer Rates	2025 Fire Flow Improvements - North Valleys <1,000 GPM	—	—	950	—	—	950

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	CIP Total
2	Developer Fees	Deluchi to Airway Main Tie	—	—	450	—	—	450
1	Developer Fees	South-East Sparks Feeder Main Phase 1	—	—	—	50	4,450	4,500
1	Developer Fees	South Truckee Meadows Capacity Improvements	800	—	—	—	—	800
1	Customer Rates	West 4th Street Main Replacement	2,100	—	—	—	—	2,100
Subtotal Water Main Distribution Improvements			18,630	18,585	11,880	9,150	9,450	67,695

Project Locations: Map of all *Water Main Distribution Service Line Improvements* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Water Main-Distribution Service Line Improvements Street and Highway Main Replacements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Street and Highway Main Replacements	4,000	5,000	5,000	5,000	5,000	24,000

PROJECT DESCRIPTION: Provision is made each year for water main replacements in conjunction with repaving efforts by the City of Reno, City of Sparks, Washoe County and RTC. In addition to repaving projects, TMWA coordinates water main replacements with sewer main replacements in areas where TMWA also has older water lines. TMWA plans for up to \$5.0 million annually for these efforts, so that TMWA can capitalize on repaving projects planned by other entities. Anticipated spending in the out years is reflective of historical activity. Levels of spending can vary year to year and are difficult to predict.

SCHEDULE: Projects are identified and prioritized on an annual basis.



Water Main-Distribution Service Line Improvements Golden Parkway Main and Check Valve Tie

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Golden Parkway Main and Check Valve Tie	40	150	—	—	—	190

PROJECT DESCRIPTION: This project will establish water system redundancy in the Spanish Springs area and includes the construction of 350 linear feet of 8-inch diameter main and an associated check valve adjacent to the Eagle Canyon Pressure Reducing Station (PRS).

SCHEDULE: Construction is scheduled for FY 2025.



Water Main-Distribution Service Line Improvements Yori and E. University Main Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Yori and E. University Main Replacement	2,200	—	—	—	—	2,200

PROJECT DESCRIPTION: The project involves replacing approximately 5,000 linear feet of older cast iron pipe ahead of 2025 City of Reno street rehabilitation work. Includes railroad crossing at 8th and Record Street.

SCHEDULE: Construction is scheduled for FY 2025.



Water Main-Distribution Service Line Improvements
Kate Smith Water Main Replacement Phase 1-3

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Kate Smith Water Main Replacement Phase 1-3	1,900	2,800	200	—	—	4,900

PROJECT DESCRIPTION: This is a multi-phased project to replace the mains around the Kate Smith residential area ahead of the City of Sparks Kate Smith Road Rehab project. This includes main abandonment and service tie overs with minimal residential outages.

SCHEDULE: Design and construction is scheduled for FY's 2025-2027.



Water Main-Distribution Service Line Improvements Kate Smith Sparks Feeder Main-36"

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Kate Smith Sparks Feeder Main-36"	100	3,800	—	—	—	3,900

PROJECT DESCRIPTION: Installation of approximately 1,500 linear feet of 36-inch ductile iron pipe on F Street from Rock Blvd to 19th Street and 19th Street from Prater Way to F Street. This work is in coordination with the City of Sparks Kate Smith School Area street reconstruction projects.

SCHEDULE: Construction is scheduled for FY 2026.



Water Main-Distribution Service Line Improvements

Thomas Jefferson Area Main Replacements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Thomas Jefferson Area Main Replacements	1,800	2,000	—	—	—	3,800

PROJECT DESCRIPTION: Replacement of approximately 8,500 liner feet of older 4-inch, 6-inch and 8-inch cast iron mains. This work is in coordination with the City of Reno Thomas Jefferson, California and Sharon/Marsh road reconstruction projects.

SCHEDULE: Planning and design will be completed in FY 2025. Construction will be completed in FY 2026.



Water Main-Distribution Service Line Improvements South Virginia Rapid Transit Main Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	South Virginia Rapid Transit Main Replacement	2,000	—	—	—	—	2,000

PROJECT DESCRIPTION: Replacement of a minimum 2,000 linear feet to a maximum of 5,100 linear feet of older 6-inch, 8-inch and 12-inch cast iron main. Final scope to be determined. This work is in coordination with RTC's Rapid Transit Project on South Virginia Street from Moana Lane to Plumb Lane.

SCHEDULE: Construction is scheduled for FY 2025.



Water Main-Distribution Service Line Improvements

North-East Sparks Tank Feeder Main Relocation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	North-East Sparks Tank Feeder Main Relocation	—	975	—	—	—	975

PROJECT DESCRIPTION: The North-East Sparks Tank Feeder Main was constructed in 1988 within private easements several years prior to the construction of South Los Altos Parkway. The final alignment selected for South Los Altos Parkway does not follow the alignment of the tank feeder main. As a result, the tank feeder main now runs through developed properties next to buildings, under parking areas and at considerable depth in some locations. This situation presents potential problems for access to the pipe for maintenance and repair of the critical pipeline. This project will relocate approximately 3,000 linear feet of the 18-inch tank feeder main out into the public right-of-way in South Los Altos Parkway.

SCHEDULE: Design and the improvements are scheduled for FY 2026.



Water Main-Distribution Service Line Improvements Trademark 14" Main Tie

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Trademark 14" Main Tie	—	470	—	—	—	470

PROJECT DESCRIPTION: This project involves construction of approximately 350 linear feet of 14-inch water main from Trademark to South Meadows Parkway, including crossing of an existing major drainage channel. The project will increase transmission capacity in the Double Diamond system to meet the needs of growth.

SCHEDULE: Construction is scheduled to be completed in FY 2026.



Water Main-Distribution Service Line Improvements Mount Rose Tank 1 Fire Flow Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Mount Rose Tank 1 Fire Flow Improvements	—	400	570	—	—	970

PROJECT DESCRIPTION: The project involves reconstruction of an existing pressure regulator station at Mt. Rose Tank 1, a new pressure regulator station on Blue Spruce and approximately 3,100 linear feet of 10-inch water main on Blue Spruce and Douglas Fir to increase system pressure and fire flow capacity to existing customers in Galena Forest Estates. Existing fire flows are currently less than 1,000 GPM in the area.

SCHEDULE: Planning and design will be completed in FY 2026. Construction will occur in FY's 2026-2027.



Water Main-Distribution Service Line Improvements Stead Golf Course Main Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	Stead Golf Course Main Replacement	—	—	200	2,400	—	2,600

PROJECT DESCRIPTION: The project consists of replacement of about 10,000 linear feet of 14-inch steel pipe installed around 1945. The pipe provides an important hydraulic tie between the Stead tanks and the northeast extremities of the Stead distribution system. The pipeline may also be useful to alleviate an existing bottleneck between the Stead wells and the distribution system.

SCHEDULE: The project is scheduled for construction to be completed in FY 2028.



Water Main-Distribution Service Line Improvements North-East Sparks Feeder Main Phase 8

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	North-East Sparks Feeder Main Phase 8	10	50	2,050	—	—	2,110

PROJECT DESCRIPTION: The project involves construction of approximately 6,400 linear feet of 14-inch water main on Satellite Drive from Vista Blvd to Sparks Blvd to increase capacity for growth in Spanish Springs and maintain adequate suction pressure at the Satellite Hills booster pump station.

SCHEDULE: Design is scheduled for FY's 2025-2026 and the improvements will be constructed in FY 2027.



Water Main-Distribution Service Line Improvements Goldenrod Main

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Goldenrod Main	1,800	—	—	—	—	1,800

PROJECT DESCRIPTION: The project involves construction of approximately 4,500 linear feet of 12-inch water main from the Tessa West Well to the intersection of Goldenrod and Mountain Meadows Lane. This project will provide additional capacity between the Arrowcreek and Mt. Rose systems for Mt. Rose 2 tank fills and for on-peak supply from the Mt. Rose Water Treatment Plant.

SCHEDULE: Construction is planned in FY 2025.



Water Main-Distribution Service Line Improvements Boomtown Water System Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	Boomtown Water System Improvements	1,500	1,500	—	—	—	3,000

PROJECT DESCRIPTION: The Boomtown system requires several high priority improvements to bring the system into compliance with NAC 445A regulations and TMWA standards and to allow efficient operation and maintenance of the water facilities. The improvements consist of upgrades to three existing wells (pump to waste facilities, SCADA, new pumps, new motors, new starters and arc flash analyses), tank site improvements (grading, drainage, overflow, fencing, paving, sampling vault, SCADA) and tank access improvements.

SCHEDULE: The improvements will be designed and constructed in FY's 2025-2026.



Water Main-Distribution Service Line Improvements Sullivan 1 Main Tie and Pressure Regulating Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	Sullivan 1 Main Tie and Pressure Regulating Station	—	—	100	650	—	750

PROJECT DESCRIPTION: The project involves construction of about 1,300 linear feet of 10-inch main on El Rancho and a new pressure regulator station to supply the Sullivan 1 zone. The project timeline assumes that the proposed Sun Valley 2 Tank and Sullivan 2 pump station are in service.

SCHEDULE: Planning and design is scheduled to begin in FY 2027 with construction scheduled in FY 2028.



Water Main-Distribution Service Line Improvements Montreux High Pressure ACP Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Montreux High Pressure ACP Replacement	100	1,000	1,200	—	—	2,300

PROJECT DESCRIPTION: The project involves replacement of approximately 6,500 linear feet of existing 10-inch transite water main between Mt Rose Well 5 and Joy Lake Road. The existing ACP pipe installed in the 1970's is currently operated at pressures between 120-250 psi.

SCHEDULE: Planning and design will occur in FY 2025 with construction to be completed in FY 2027.



Water Main-Distribution Service Line Improvements 2nd Galena Creek Main Crossing

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	2nd Galena Creek Main Crossing		40	560	—	—	600

PROJECT DESCRIPTION: The project involves construction of approximately 2,200 linear feet of 10-inch ductile iron water main between Breithorn Cir. and Piney Creek Parklet including a crossing of Galena Creek. The existing 10" ACP pipe that crosses Galena Creek is currently the only tie between well sources and storage tanks.

SCHEDULE: Design will occur in FY 2026 with construction to be completed in FY 2027.



Water Main-Distribution Service Line Improvements Off-River Supply Improvements - South Truckee Meadows

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Off-River Supply Improvements - South Truckee Meadows	—	—	50	1,050	—	1,100

PROJECT DESCRIPTION: The project involves construction of four SCADA controlled, pressure reducing bypass stations in strategic locations in the South Truckee Meadows to allow excess well capacity and excess Mt. Rose Water Treatment Plant capacity to be provided to the Highland gravity zone in case of loss supply from the Truckee River. Two additional bypasses (Arrowcreek BPS & future Veteran's BPS) will be constructed separately under the budget for those facilities.

SCHEDULE: Planning and design will occur in FY 2027 with construction to be completed in FY 2028.



Water Main-Distribution Service Line Improvements Off-River Supply Improvements - North Virginia-Stead Pump Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Off-River Supply Improvements - North Virginia-Stead Pump Station	—	400	—	—	—	400

PROJECT DESCRIPTION: The project involves construction of a SCADA controlled, pressure reducing bypass station at the North Virginia-Stead booster pump station to allow excess Fish Springs well capacity to be provided to the Highland gravity zone in case of loss supply from the Truckee River.

SCHEDULE: Project implementation and construction will occur in FY 2026.



Water Main-Distribution Service Line Improvements Somerset 6 Main Tie and Pressure Regulating Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Somerset 6 Main Tie and Pressure Regulating Station	280	—	—	—	—	280

PROJECT DESCRIPTION: The project involves construction of about 600 linear feet of 10-inch main within improved paved pathway and a new pressure regulator station to provide a secondary source to Somerset Village 6.

SCHEDULE: Project implementation and construction will occur in FY 2025.



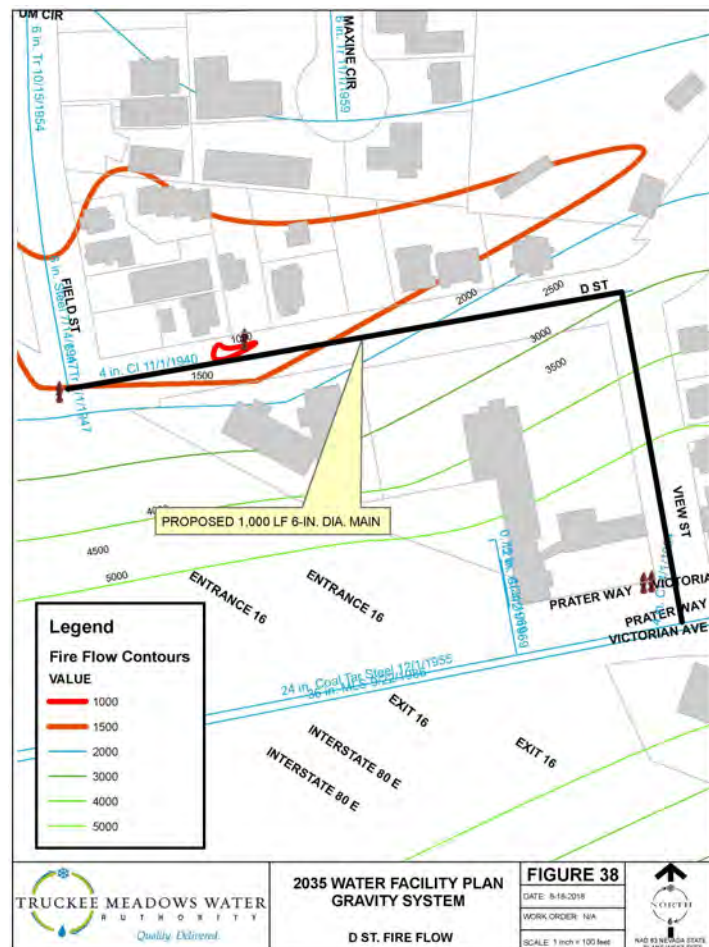
Water Main-Distribution Service Line Improvements 2025 Fire Flow Improvements - Gravity <1,000 GPM

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	2025 Fire Flow Improvements - Gravity <1,000 GPM	—	—	550	—	—	550

PROJECT DESCRIPTION: The project involves improvements at five separate locations in the gravity zone that have an available fire flow of less than 1,000 GPM. Reference Pages 20-22 of the 2035 WFP – Items 14,18,20,25,31 (also Figures 38,42,44,49,55). Construction consists of approximately 1,900 linear feet of new 6-inch and 8-inch main including new hydrant taps and laterals.

SCHEDULE: The improvements are scheduled for construction in FY 2027.



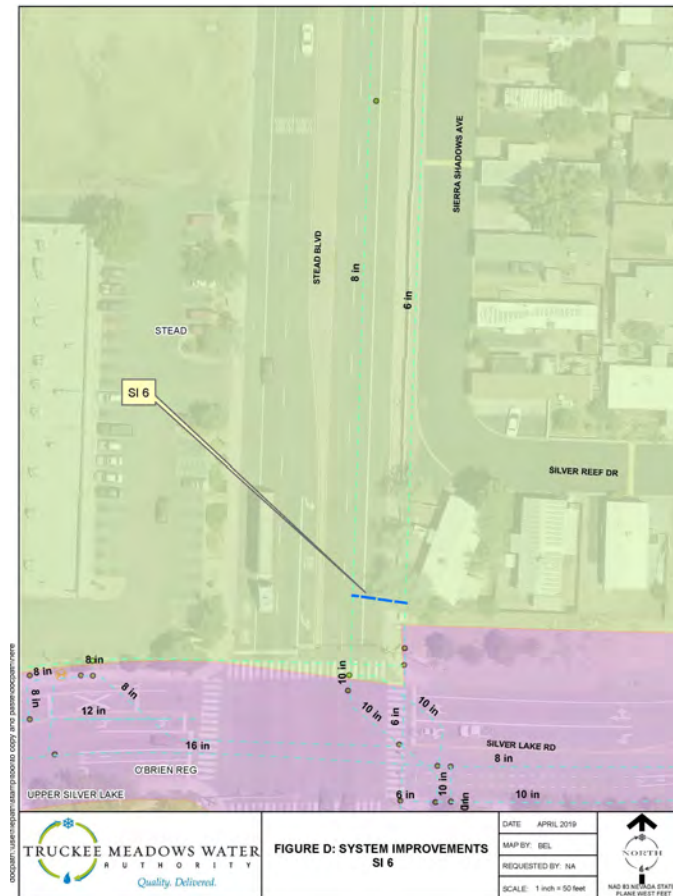
Water Main-Distribution Service Line Improvements 2025 Fire Flow Improvements - North Valleys <1,000 GPM

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	2025 Fire Flow Improvements - North Valleys <1,000 GPM	—	—	950	—	—	950

PROJECT DESCRIPTION: This project involves improvements at two separate locations that have an available fire flow of less than 1,000 GPM. Reference Items SI6 and SI7 on pages 6-7 of the North Valleys section of the 2035 Water Facilities Plan (also Figures D and E). Construction of approximately 3,500 linear feet of new 6-inch and 8-inch main and new high pressure Regulating Station.

SCHEDULE: The improvements are scheduled for construction in FY 2027.



Water Main-Distribution Service Line Improvements

Deluchi to Airway Main Tie

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Deluchi to Airway Main Tie	—	—	450	—	—	450

PROJECT DESCRIPTION: The project involves construction of approximately 1,200 linear feet of 14-inch main from Deluchi to Airway including crossing a major storm drainage channel. The project promotes looping of the distribution system and provides additional North to South peak period capacity.

SCHEDULE: The project is scheduled for construction in FY 2027.



Water Main-Distribution Service Line Improvements South-East Sparks Feeder Main Phase 1

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	South-East Sparks Feeder Main Phase 1	—	—	—	50	4,450	4,500

PROJECT DESCRIPTION: The project involves construction of approximately 9,700 linear feet of 24-inch main on Greg Street between 21st Street and Stanford to provide additional capacity for future growth and to lower peak period pressure in the area.

SCHEDULE: Planning and design are scheduled to begin in FY 2028 and construction is scheduled to begin in FY 2029.



Water Main-Distribution Service Line Improvements South Truckee Meadows Capacity Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Developer Fees	South Truckee Meadows Capacity Improvements	800	—	—	—	—	800

PROJECT DESCRIPTION: The project involves construction of approximately 1,500 linear feet of 14-inch main on Offenhauser and Gateway with a SCADA controlled valve installed in an underground vault to provide an intertie between the Longley and Double Diamond systems. Also included is a short 8-inch main tie at Bluestone and Portman. The improvements increase capacity to the South Truckee Meadows system.

SCHEDULE: Construction is scheduled for FY 2025.



Water Main-Distribution Service Line Improvements West 4th Street Main Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	West 4th Street Main Replacement	2,100	—	—	—	—	2,100

PROJECT DESCRIPTION: Replacement of approx. 3,400 linear feet of 6-inch cast iron with 8-inch ductile iron. The limits are on W. 4th St. from 500' W/O Stoker Ave. to 400' W/O Keystone Ave.

SCHEDULE: Work will take place in FY 2025 ahead of the RTC W. 4th St. Safety project.



POTABLE WATER STORAGE IMPROVEMENTS

Summary

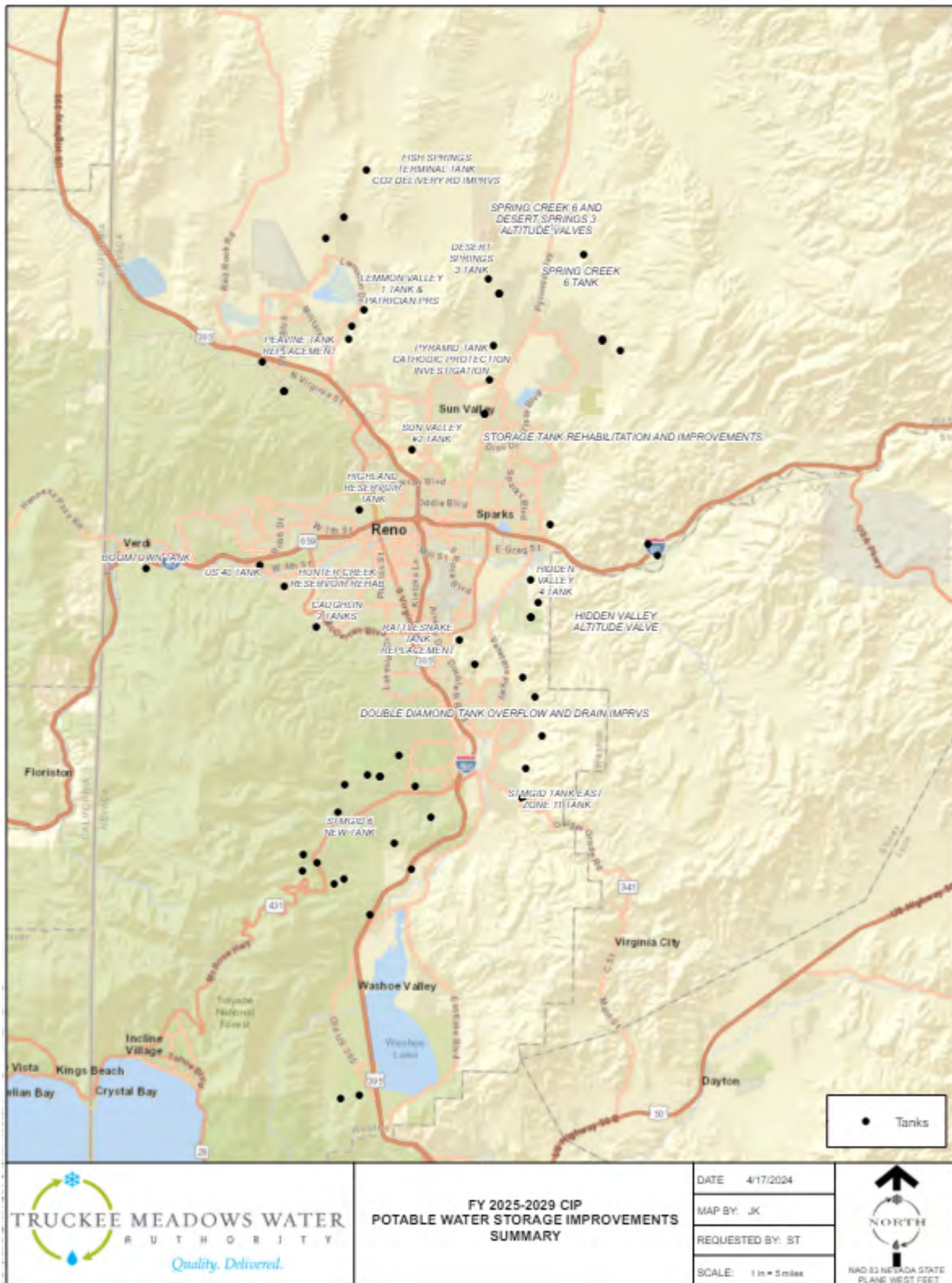
Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates / Developer Fees	Sun Valley 2 Tank	420	2,980	—	—	—	3,400
2	Developer Fees	Fish Springs Terminal Tank 2	—	—	—	40	2,160	2,200
1	Customer Rates	Storage Tank Rehabilitation and Improvements	10,100	4,500	5,000	5,000	5,000	29,600
1	Customer Rates / Developer Fees	Boomtown System Improvements Phase 4 - Boomtown Tank	1,000	—	—	—	—	1,000
1	Customer Rates	Caughlin 2 Tanks	500	1,000	1,500	—	—	3,000
2	Customer Rates / Developer Fees	Highland Reservoir Tank	—	2,000	5,000	—	—	7,000
1	Customer Rates / Developer Fees	STMGID Tank East Zone 11 Tank	—	175	2,900	—	—	3,075
1	Customer Rates / Reimbursements / Developer Fees	US 40 Tank and Feeder Main	3,500	1,000	—	—	—	4,500
2	Customer Rates / Developer Fees	Spanish Springs Altitude Valves (SC6 and DS3)	—	—	300	—	—	300
2	Customer Rates	Hidden Valley Tank Altitude Valve	—	—	350	—	—	350
1	Customer Rates	Lemmon Valley Tank 1 Replacement and Patrician Pressure Regulating Station	1,500	—	—	—	—	1,500
1	Customer Rates	Hidden Valley Tank 4 Outage Improvements	250	1,500	—	—	—	1,750
2	Customer Rates	Reservoir Rehabilitation	75	—	100	3,000	1,500	4,675
1	Customer Rates	Terminal Tank CO2 Delivery Road Improvements	100	—	—	—	—	100
2	Customer Rates	STMGID 6 New Tank	20	—	—	400	—	420
2	Customer Rates	Rattle Snake Tank Replacement	—	—	500	3,000	3,000	6,500

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Pyramid Tank Cathodic Protection Investigation	—	15	—	100	—	115
3	Customer Rates	Double Diamond Tank Overflow and Drain Improvements	—	—	100	—	—	100
Subtotal Storage Improvements			17,465	13,170	15,750	11,540	11,660	69,585

Project Locations: Map of all *Potable Water Storage Improvements* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Potable Water Storage Improvements Sun Valley 2 Tank

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates / Developer Fees	Sun Valley 2 Tank	420	2,980	—	—	—	3,400

PROJECT DESCRIPTION: TMWA continues to analyze opportunities to consolidate pump zones to eliminate future pump station replacement costs and to increase reliability to continuous pumping zones. Several years ago, TMWA consolidated the Sutro 1 pump zone with the Sun Valley/Sullivan pump zone, placing additional capacity requirements on the Sun Valley zone. This tank is needed to provide the required emergency storage capacity to the expanded zone and will also provide the capacity for the Sun Valley zone to reach build-out.

SCHEDULE: The project is scheduled for construction in FY 2026 subject to successful acquisition of a suitable tank site which is elevation sensitive and is complicated by the US 395 Connector project alignment.



Potable Water Storage Improvements

Fish Springs Terminal Tank 2

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	Fish Springs Terminal Tank 2	—	—	—	40	2,160	2,200

PROJECT DESCRIPTION: This project involves a second 2.5 MG storage tank that is needed at the terminus of the Fish Springs pipeline at the north end of Lemmon Valley to equalize demand and supply during peak use periods.

SCHEDULE: The project is currently scheduled for design in FY 2028 with construction scheduled in FY 2029. The actual schedule will be dependent upon the rate of growth in the North Valleys.



Potable Water Storage Improvements Storage Tank Rehabilitation and Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Storage Tank Rehabilitation and Improvements	10,100	4,500	5,000	5,000	5,000	29,600

PROJECT DESCRIPTION: TMWA has a very proactive tank reservoir maintenance program where 20% of all tanks are inspected annually on a rotating basis. Based on these inspection observations, a determination is made as to whether interior tank coatings (for steel tanks) or other fix and finish work is required. TMWA has 97 storage tanks in service, with combined storage of approximately 123 million gallons. Interior coating/liners are generally replaced every 20 years resulting in the need to recoat several tanks per year to maintain the rehabilitation cycle. The budget and plan also includes exterior painting of steel tanks and any replacement of any interior components that may be corroded.

SCHEDULE: This is an ongoing annual project. It is anticipated that several tanks will need to be recoated every year.



Water Main-Distribution Service Line Improvements Boomtown System Improvements Phase 4 - Boomtown Tank

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates / Developer Fees	Boomtown System Improvements Phase 4 - Boomtown Tank	1,000	—	—	—	—	1,000

PROJECT DESCRIPTION: Boomtown 1 tank (500,000 gallons), which was originally constructed in 1986, was acquired by TMWA from the Boomtown Water System. As part of the acquisition, TMWA made provisions to bring the tank up to current NAC And TMWA standards, thus, this project will make these improvements. Improvements may also include replacement of any corroded structural components. Additionally, the tank will be used to provide suction to the proposed Santerra Quilici 1 BPS; therefore, piping and other modifications will be made to accommodate this future use. Finally, the tank will receive full interior and exterior blasting and recoat.

SCHEDULE: The improvements are scheduled for FY 2025.



Distribution System Pressure Improvements Caughlin 2 Tanks

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Caughlin 2 Tanks	500	1,000	1,500	—	—	3,000

PROJECT DESCRIPTION: The project involves the proposed Caughlin 2 tanks that will provide redundancy for an existing continuous pumping zone and will expand emergency storage for the entire southwest area. The tanks will also provide a greater level of redundancy to a fire prone area by relying less on pumping and power, and more on elevated storage.

SCHEDULE: Construction for the project is scheduled to begin in FY 2026.



Potable Water Storage Improvements Highland Reservoir Tank

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	Highland Reservoir Tank	—	2,000	5,000	—	—	7,000

PROJECT DESCRIPTION: TMWA has two large finished water storage reservoirs, one at Hunter Creek and one at the Highland site just west of the intersection of Washington and College Drive. These reservoirs are lined and covered with flexible polyethylene or hypalon membranes. As such, they are more maintenance intensive and susceptible to damage than a conventional steel or concrete tank. To provide reliability during repairs or during extended outages for inspection and cleaning, it is proposed to construct a conventional 4 million gallon water storage tank at the reservoir site. Due to topography and proximity to residential areas the tank may need to be a buried pre-stressed concrete tank, which is reflected in the project budget. The tank will also provide additional storage capacity to meet future system requirements as required by the NAC regulations.

SCHEDULE: The tank is scheduled for construction in FY's 2026-2027.



Potable Water Storage Improvements STMGID Tank East Zone 11 Tank

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates / Developer Fees	STMGID Tank East Zone 11 Tank	—	175	2,900	—	—	3,075

PROJECT DESCRIPTION: The project involves construction of a 3.7 MG above ground welded steel storage tank in the South Truckee Meadows area off of Geiger Grade formerly owned by STMGID. Due to growth in the area over the last several years, additional storage is required to meet the requirements of the NAC 445A regulations and TMWA standards. The tank will replace an existing 0.75 MG tank providing a net increase in storage of about 3 MG.

SCHEDULE: The project is currently scheduled for construction in FY 2028, subject to acquisition of the Special Use Permit and Bureau of Land Management (BLM) permitting.



Potable Water Storage Improvements US 40 Tank and Feeder Main

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates / Reimbursements / Developer Fees	US 40 Tank and Feeder Main	3,500	1,000	—	—	—	4,500

PROJECT DESCRIPTION: The project involves construction of two 800,000 gallon steel tanks with site improvements, utilities, drain line and access road including about 2,100 linear feet of 20-inch feeder main. The project will improve reliability and hydraulic performance in the zone which experiences a lot of surge issues due to cycling of the Mae Anne pump train and the closed system on the Mogul end. This situation is only expected to worsen when pumping to Verdi begins.

SCHEDULE: Construction is scheduled to begin in FY 2025.



Potable Water Storage Improvements
Spanish Springs Altitude Valves (SC6 and DS3)

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates / Developer Fees	Spanish Springs Altitude Valves (SC6 and DS3)	—	—	300	—	—	300

PROJECT DESCRIPTION: The project involves the construction of altitude valves in underground vaults at the Spring Creek Tank 6 and at the Desert Springs Tank 3. The altitude valves will keep the existing tanks from overflowing when well recharge operations are conducted in Spanish Springs Valley.

SCHEDULE: The project is schedule for construction in FY 2027.



Potable Water Storage Improvements Hidden Valley Tank Altitude Valve

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Hidden Valley Tank Altitude Valve	—	—	350	—	—	350

PROJECT DESCRIPTION: The project involves installation of a new altitude valve in a vault on the Hidden Valley Tank I in/out line. Requires cutting into and rerouting existing piping, addition of new valves, etc.

SCHEDULE: The project is schedule for construction in FY 2027.



Potable Water Storage Improvements

Lemmon Valley Tank 1 Replacement and Patrician Pressure Regulating Station

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Lemmon Valley Tank 1 Replacement and Patrician Pressure Regulating Station	1,500	—	—	—	—	1,500

PROJECT DESCRIPTION: Lemmon Valley Tank 1 is at the end of its useful life and needs to be replaced. The tank can't be taken out of service without improvements to the system. The Patrician pressure regulator station would provide supply with the tank out of service and allow the existing tank to be demolished and the new tank to be constructed.

SCHEDULE: Construction is scheduled in FY 2025.



Potable Water Storage Improvements
Hidden Valley Tank 4 Outage Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Hidden Valley Tank 4 Outage Improvements	250	1,500	—	—	—	1,750

PROJECT DESCRIPTION: Hidden Valley Tank 4 is due for rehabilitation and recoating in the next year. The tank cannot be taken out of service and meet all NAC requirements including fire flow. This project will improve redundancy and supply to the zone with the tank out of service.

SCHEDULE: Construction is scheduled in FY 2026.



Potable Water Storage Improvements Hunter Creek Reservoir Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Hunter Creek Reservoir Rehabilitation	75	—	100	3,000	1,500	4,675

PROJECT DESCRIPTION: The pond liner and floating cover of the Hunter Creek 30 MG Reservoir are nearing the end of their useful lifespan and require replacement. A condition report conducted in 2020 included project recommendations for improvements. Combining periodic inspections of the liner indicates that it needs replacement within the next five years.

SCHEDULE: Some minor improvements, based on the 2020 condition assessment report, will be done in FY 2025 with the major replacement anticipated to begin in FY 2027.



Potable Water Storage Improvements Terminal Tank CO2 Delivery Road Improvements

FUNDING TIMELINE

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Terminal Tank CO2 Delivery Road Improvements	100	—	—	—	—	100

PROJECT DESCRIPTION: Currently, only one CO2 vendor is willing to deliver to the Terminal Tank site due to site constraints. TMWA has met with another vendor and identified site improvements that can be made to open this to a more competitive bid. This project will require easement agreements with the neighboring International Community of Christ Property.

SCHEDULE: Design and Construction is anticipated to be completed in FY 2025.



Potable Water Storage Improvements STMGID 6 New Tank

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	STMGID 6 New Tank	20	—	—	400	—	420

PROJECT DESCRIPTION: This project is to add a redundant steel tank in order to rehab the existing tank. This project also include site improvements for a continued slope failure.

SCHEDULE: Site improvements scheduled for FY 2025 with the new tank in FY 2028.



Potable Water Storage Improvements Rattle Snake Tank Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Rattle Snake Tank Replacement	—	—	500	3,000	3,000	6,500

PROJECT DESCRIPTION: An assessment of the Rattle Snake Tank was conducted in FY 2024, revealing serious corrosion in the rafters, roof plate, and floor. The extent of the damage is beyond justifiable repair and necessitates replacement. This project will involve installing a second redundant tank in phase 1 and replacing the tank in phase 2. This approach is also necessary to maintain fire flow to the Northern Nevada Hospital.

SCHEDULE: Design is scheduled to begin in FY 2027 and phased construction FY 2027-2029.



Potable Water Storage Improvements

Pyramid Tank Cathodic Protection Investigation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Pyramid Tank Cathodic Protection Investigation	—	15	—	100	—	115

PROJECT DESCRIPTION: This tank was rehabilitated during the 21/22 Tank Improvements Project. During the final phase of the rehabilitation, it was discovered that the bottom side of the floor is sitting on highly corrosive soils. A corrosion protection system is needed, including a full floor scan and patching of the floor as needed.

SCHEDULE: Floor scan is scheduled for FY 2026 and the Corrosion system design and construction in FY 2028.



Potable Water Storage Improvements

Double Diamond Tank Overflow and Drain Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Double Diamond Tank Overflow and Drain Improvements	—	—	100	—	—	100

PROJECT DESCRIPTION: The current tank discharges on a very steep slope above the South Truckee Meadows Water Reclamation Facility effluent ponds. Damage to the pond road will take place if this tank overflows and the overflow pipe needs improvement.

SCHEDULE: Design and Construction is anticipated in FY 2027.



HYDROELECTRIC IMPROVEMENTS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Hydroelectric	Forebay, Diversion, and Canal Improvements	100	105	110	115	120	550
3	Hydroelectric	Flume Rehabilitation	150	160	165	175	180	830
3	Hydroelectric	Fleish Plant Improvements	—	600	10,000	—	—	10,600
1	Hydroelectric	Verdi Sandgate Improvements	500	—	—	—	—	500
1	Hydroelectric	Verdi Bypass Valve Improvements	850	—	—	—	—	850
2	Hydroelectric	Washoe Plant Improvements	400	11,000	—	—	—	11,400
Subtotal Hydroelectric Improvements			2,000	11,865	10,275	290	300	24,730

Project Locations: Map of all *Hydroelectric Improvements* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Hydroelectric Improvements Forebay, Diversion, and Canal Improvements

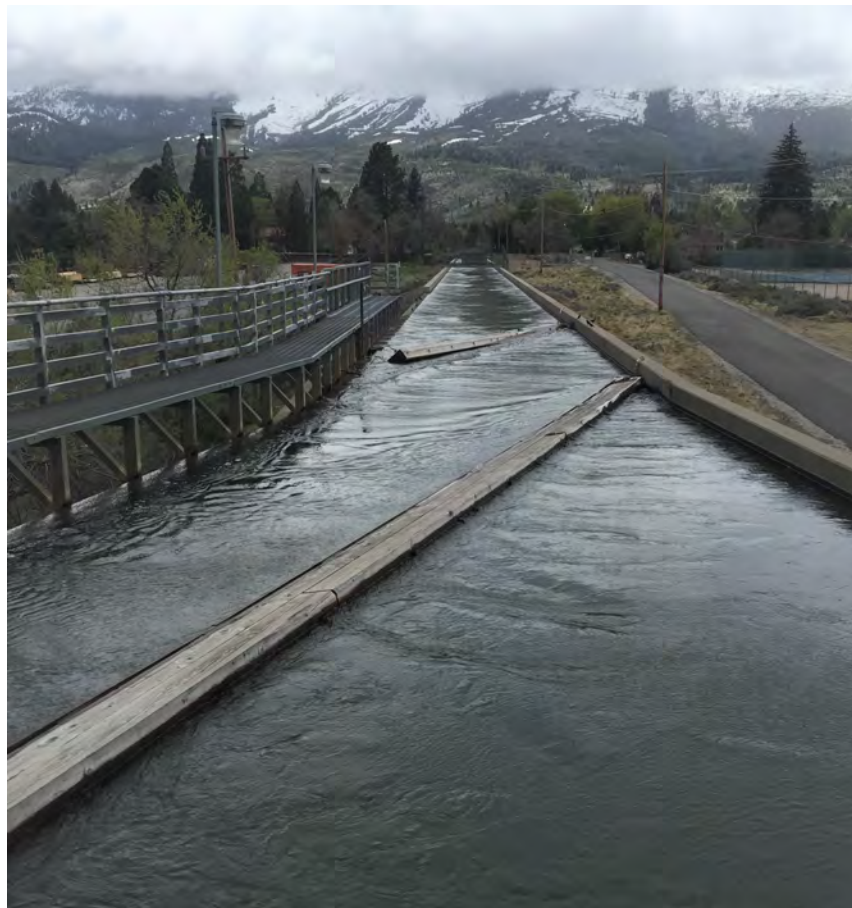
FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Hydroelectric	Forebay, Diversion, and Canal Improvements	100	105	110	115	120	550

PROJECT DESCRIPTION:

Provision is made each year for hydroelectric flume reconstruction to mitigate damage from unexpected rock falls, landslides and/or flooding events. Diversion structures including gates, canals, flumes, forebays and all hydro-plant water conveyance structures are monitored and evaluated for reliable and safe operation.

SCHEDULE: Ongoing annual evaluation and prioritization of forebay and canal conditions in the early spring (winter weather can change priorities) to identify projects for fall construction when historically, river flows are lower.



Hydroelectric Improvements Flume Rehabilitation

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Hydroelectric	Flume Rehabilitation	150	160	165	175	180	830

PROJECT DESCRIPTION: TMWA’s three operating hydroelectric facilities have nearly 12,150 feet of flume. The average service life for flume structures is 35 years using treated timbers, at an average replacement cost of approximately \$1,000 per lineal foot of flume. The present cost to replace a linear foot of flume depends on the location and height of the flume structure.

SCHEDULE: Ongoing annual evaluation and prioritization of flume condition in the early spring (winter weather can change priorities) to identify projects for fall construction when historically, river flows are lower.



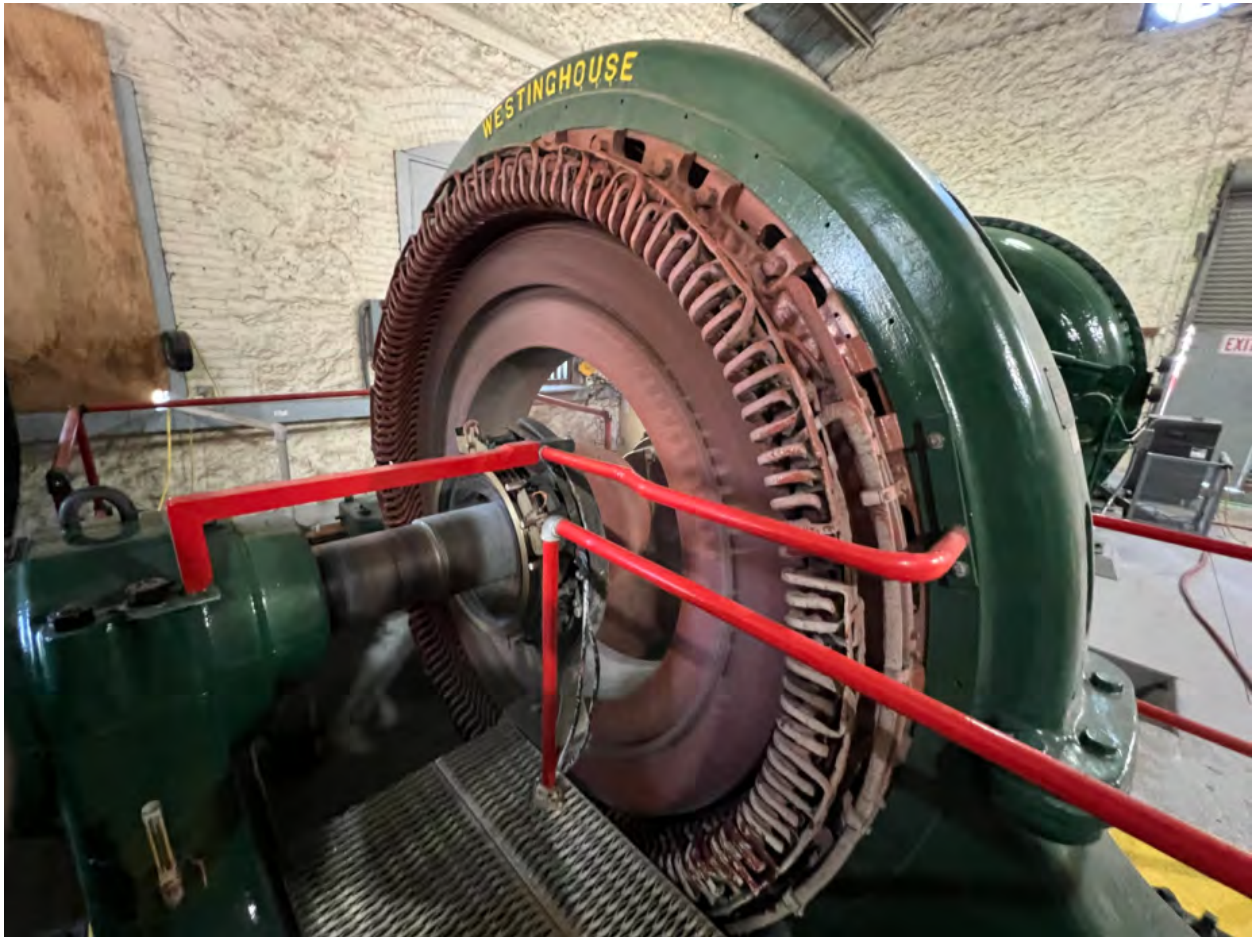
Hydroelectric Improvements Fleish Plant Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Hydroelectric	Fleish Plant Improvements	—	600	10,000	—	—	10,600

PROJECT DESCRIPTION: The Fleish Hydroelectric Plant was commissioned in 1905. Roofing, HVAC, windows and glass, and aging infrastructure is in need of replacement or repair.

SCHEDULE: Improvements are scheduled for FY 2027.



Hydroelectric Improvements Verdi Sandgate Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Hydroelectric	Verdi Sandgate Improvements	500	—	—	—	—	500

PROJECT DESCRIPTION: This project will rehabilitate the Verdi Hydro Sand Gate dam to halt erosion and the flow of water through the dam, which leads to loss productivity. We are also replacing the rusted out old gate, along with implementing access improvements to ensure safe operation.

SCHEDULE: Improvements are scheduled for FY 2025.



Hydroelectric Improvements

Verdi Bypass Valve Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Hydroelectric	Verdi Bypass Valve Improvements	850	—	—	—	—	850

PROJECT DESCRIPTION: The concrete structure below the existing valve has degraded and is no longer properly supporting the valve. The valve is original to the plant and is being held closed by the plant crane. Replacement of the valve will allow for electronic operation and use of the plant crane when the facility is online. This project will replace the valve, associated piping, and improve the structure supporting the valve.

SCHEDULE: Replacement of the valve is scheduled for FY 2025.



Hydroelectric Improvements Washoe Plant Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Hydroelectric	Washoe Plant Improvements	400	11,000	—	—	—	11,400

PROJECT DESCRIPTION: Assessment and potential replacement of the 1908 Built Washoe Hydroelectric Facility building, both turbines and auxiliary equipment, and generator rewind.

SCHEDULE: The project is currently in the assessment stage and is planned to move to design in FY 2025 and to construction in FY 2026.



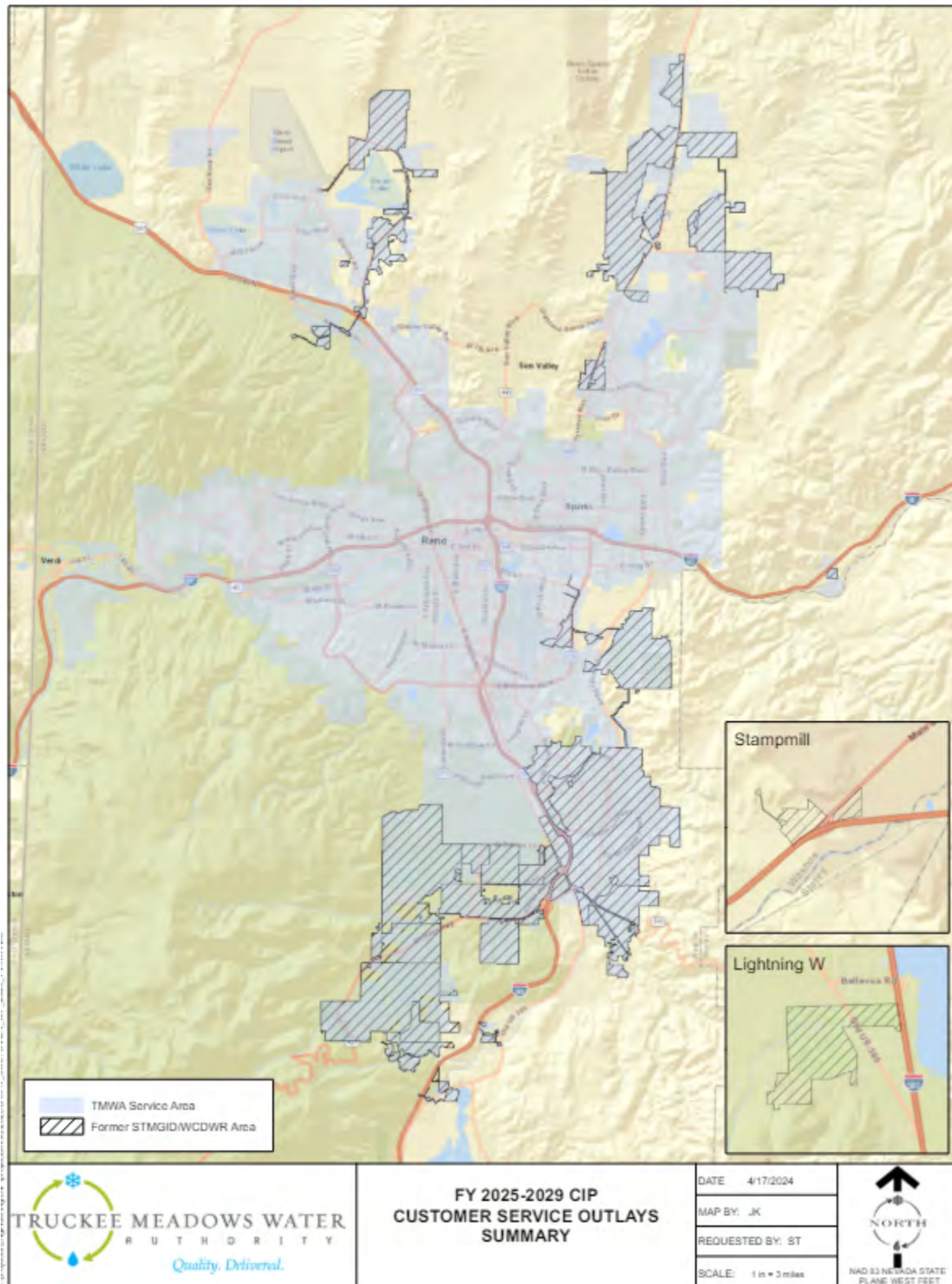
CUSTOMER SERVICE OUTLAYS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Meter Reading Equipment	75	—	—	—	—	75
2	Developer Fees	New Business Meters	100	100	100	100	100	500
1	Customer Rates	Mueller Pit Replacements former Washoe County	125	125	125	125	125	625
2	Customer Rates	Galvanized / Poly Service Line Replacements	250	250	250	250	250	1,250
1	Customer Rates	Automated Meter Infrastructure (AMI)	2,650	2,650	2,650	2,650	2,650	13,250
Subtotal Customer Service			3,200	3,125	3,125	3,125	3,125	15,700

Project Locations: Map of all *Customer Service Outlays* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



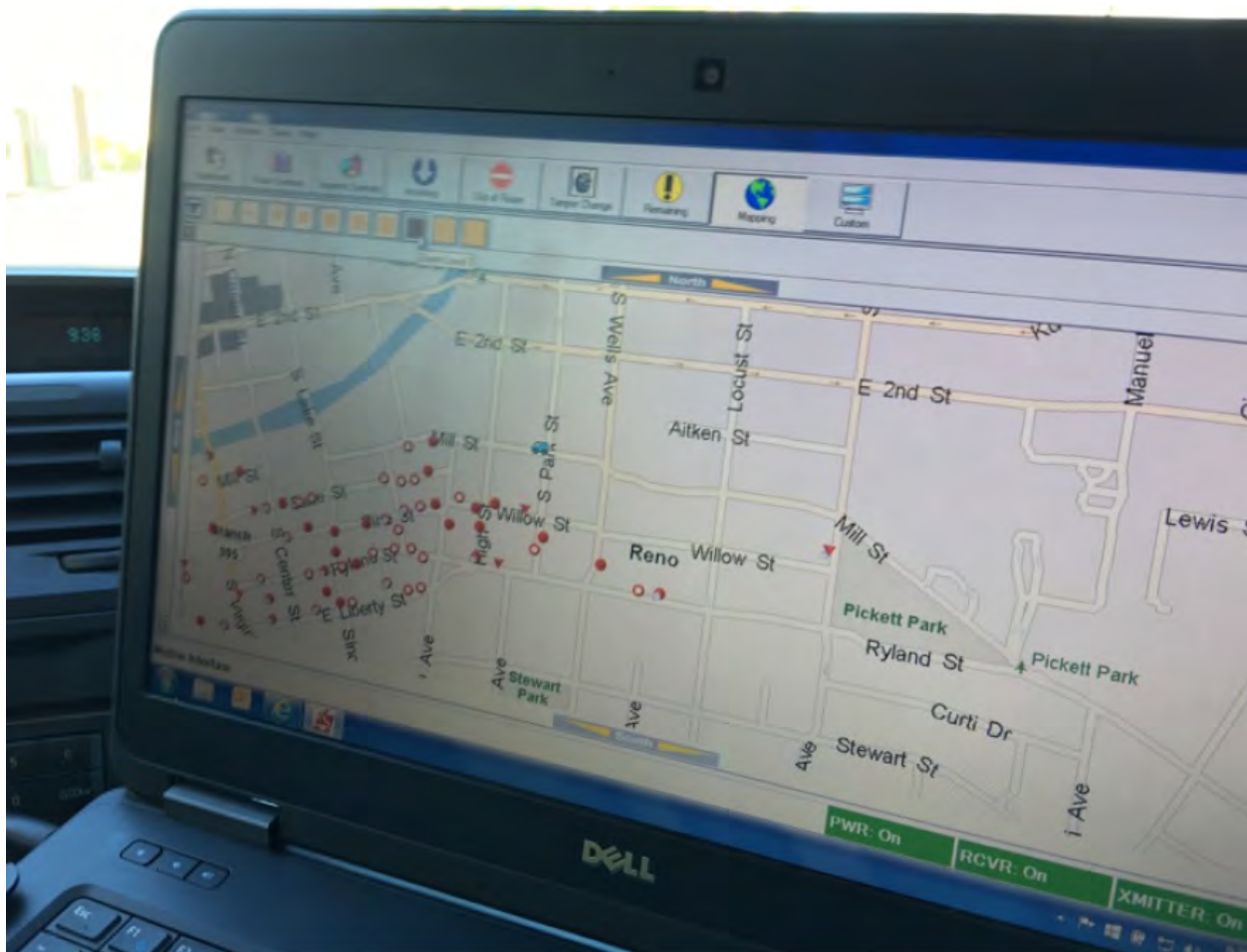
Customer Service Outlays Meter Reading Equipment

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
3	Customer Rates	Meter Reading Equipment	75	—	—	—	—	75

PROJECT DESCRIPTION: TMWA utilizes a multiple meter reading systems in which the transmitters attached to the meters send a signal out to be collected by data collectors. These collectors are mounted in the meter reading vehicles or on various mountain peaks surrounding the valley. TMWA is anticipating replacing units that have degraded.

SCHEDULE: Will need to purchase equipment on an as needed basis.



Customer Service Outlays

New Business Meters

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Developer Fees	New Business Meters	100	100	100	100	100	500

PROJECT DESCRIPTION: All new water services are required to be metered. Meters are purchased by TMWA and installed for new development. New business fees pay for these installations.

SCHEDULE: Dependent on the pace of development in the service territory.



Customer Service Outlays
Mueller Pit Replacements Former Washoe County

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Mueller Pit Replacements former Washoe County	125	125	125	125	125	625

PROJECT DESCRIPTION: The Mueller metering pits are a very high maintenance metering facility and are prone to leaks and failures. TMWA plans to replace these facilities in response to leaks and or subsidence of these facilities.

SCHEDULE: Equipment and employee needs are evaluated and updated annually.



Customer Service Outlays

Galvanized / Poly Service Line Replacements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Galvanized / Poly Service Line Replacements	250	250	250	250	250	1,250

PROJECT DESCRIPTION: TMWA has shifted from just repairing service lines from the street main to the curb valve or meter box to completely replacing service lines that are galvanized steel or polybutylene. These two materials are responsible for many after-hours call outs which escalate overtime expenses to repair leaks in the street because the galvanized lines are corroded, and polybutylene once thought very durable, becomes brittle and cracks or splits very easily. Just repairing these lines does not prevent them from leaking in the near future, escalating repair costs while further damaging city streets. Complete replacement provides a permanent repair in a cost effective manner and prevents further water system losses.

SCHEDULE: This is an ongoing annual project budget. Service lines will be replaced as they are identified.



Customer Service Outlays

Automated Meter Infrastructure (AMI)

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Automated Meter Infrastructure (AMI)	2,650	2,650	2,650	2,650	2,650	13,250

PROJECT DESCRIPTION: TMWA utilizes multiple meter reading systems in which the transmitters attached to the meters send a signal out to be collected by data collectors. Over the next five years, TMWA will be installing new meters or retrofitting existing meters with technology that will allow for remote readings. This is expected to assist in quickly identifying leaks for customers, more accurate billing, and long-term cost savings.

SCHEDULE: This project began in FY 2022 and is expected to be completed in FY 2029.



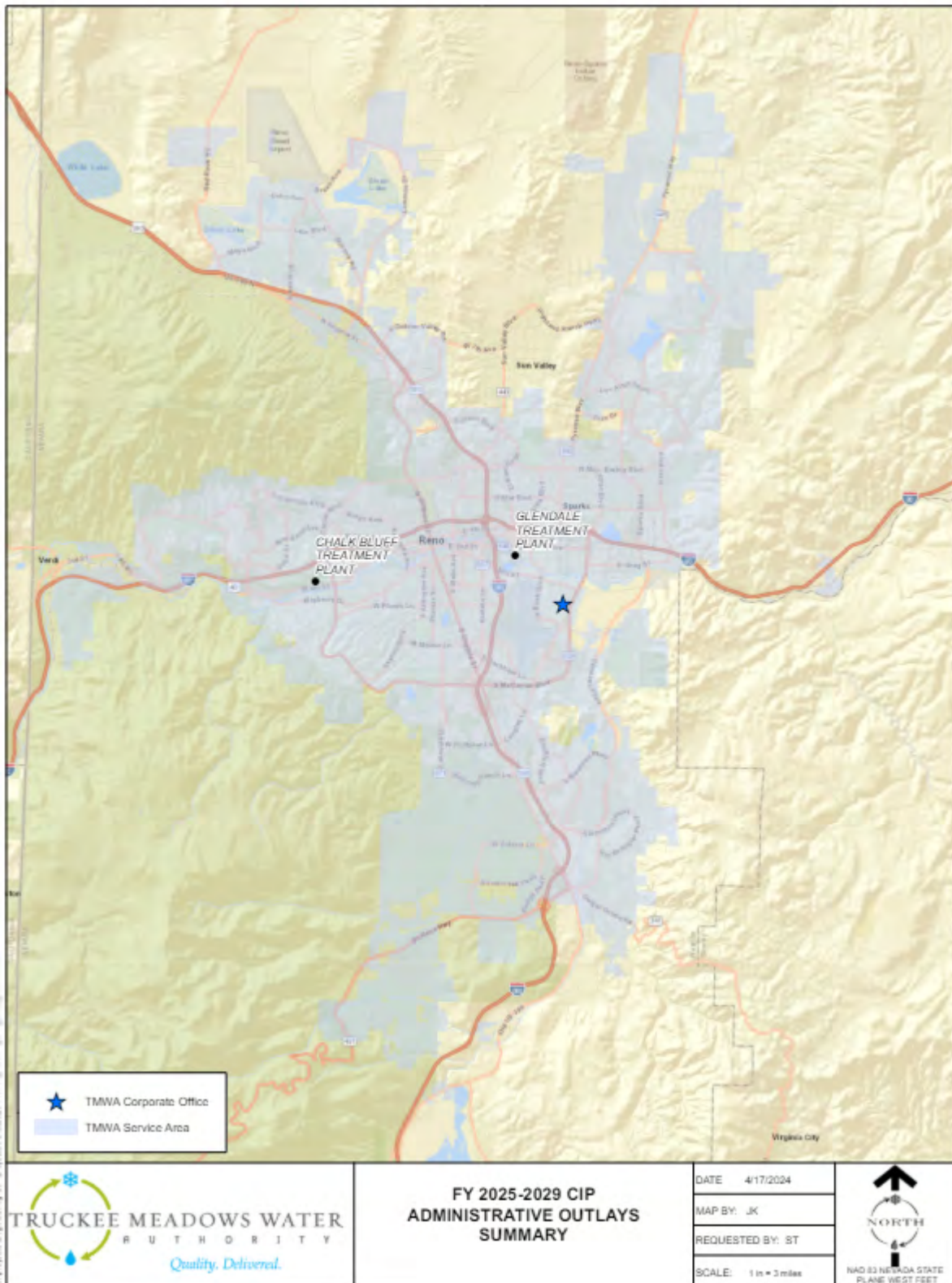
ADMINISTRATIVE OUTLAYS

Summary

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	GIS / GPS System Mapping Equipment	20	20	20	20	20	100
2	Customer Rates	IT Server Hardware and Equipment	240	20	20	—	—	280
2	Customer Rates	IT Network Security Upgrades	210	10	10	—	—	230
2	Customer Rates	IT Physical Access Security Upgrades	15	10	10	—	—	35
1	Customer Rates	IT Firewall Infrastructure Enhancements	100	—	—	—	—	100
2	Customer Rates	Printer / Scanner Replacement	10	10	10	—	—	30
2	Customer Rates	Crew Trucks / Vehicles	1,500	1,500	1,500	1,500	1,000	7,000
1	Customer Rates	Replacement HCM System	1,000	—	—	—	—	1,000
1	Customer Rates	Corporate Office Expansion	5,000	2,500	—	—	—	7,500
1	Customer Rates	Glendale Office Expansion	500	2,000	—	—	—	2,500
1	Customer Rates	Corporate HVAC Improvements	100	—	—	—	—	100
1	Customer Rates	Emergency Management Projects	50	50	50	50	50	250
2	Customer Rates/ Grants	Emergency Operations Annex Design / Construction	—	250	2,375	2,375	—	5,000
1	Customer Rates	Physical Site Security Improvements	1,250	850	350	350	350	3,150
Subtotal Administrative Outlays			9,995	7,220	4,345	4,295	1,420	27,275

Project Locations: Map of all *Administrative Outlays* projects are highlighted in the following map.

Truckee Meadows Water Authority FY 2025-2029 Capital Improvement Plan



Administrative Outlays
GIS/GPS System Mapping Equipment

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	GIS / GPS System Mapping Equipment	20	20	20	20	20	100

PROJECT DESCRIPTION: TMWA will have to update mapping equipment on a periodic basis to keep up with changes in technology; and to replace existing equipment as it reaches obsolescence.

SCHEDULE: Equipment is replaced and/or purchased as needed.



Administrative Outlays

IT Server Hardware

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	IT Server Hardware and Equipment	240	20	20	—	—	280

PROJECT DESCRIPTION: TMWA currently has over 50 physical servers and 130 virtual servers, hosting a variety of enterprise software applications that support TMWA’s daily business operations. All physical servers are typically purchased with a three year warranty, with the expectation that they will reach the end of their system life cycle in a three to five year time frame, requiring a replacement. TMWA annually reviews its server platforms and can option a strategy of warranty extension, if cost effective, rather than outright hardware replacement. All servers require an Operating System Software license to run. Operating System Software is upgraded only when the current release is obsolete or a newer version offers a significant advantage over the current iteration.

SCHEDULE: Spending would be determined on an as needed basis.



Administrative Outlays

IT Network Security Upgrades

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	IT Network Security Upgrades	210	10	10	—	—	230

PROJECT DESCRIPTION: As a leading water purveyor for a major metropolitan area, TMWA is reliant on the internet for employee productivity enhancement and providing valuable customer information and outreach. Such dependency on the internet also carries a significant degree of risk, as it makes TMWA a major target for external security threats looming within globalized networks. To offset this risk and combat network threats, a variety of security specific hardware and software solutions are used, weaving them into a layered deployment strategy called Defense in Depth. In order to continually evolve and reinforce this Defense in Depth strategy and effectively fight new unforeseen threats, TMWA must continually acquire new security platforms that adapt to the continually changing security landscape.

SCHEDULE: Spending occurs only on an as needed basis.



Administrative Outlays

IT Physical Security Upgrades

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	IT Physical Access Security Upgrades	15	10	10	—	—	35

PROJECT DESCRIPTION: Security measures that are designed to deny unauthorized access to facilities, equipment and resources to protect personnel from damage or harm such as theft or attacks. Physical security involves the use of multiple layers of interdependent systems which can include surveillance, security guards, protective barriers, locks and other techniques.

SCHEDULE: Equipment is replaced and/or purchased as needed.



Administrative Outlays

IT Firewall Infrastructure Enhancements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	IT Firewall Infrastructure Enhancements	100	—	—	—	—	100

PROJECT DESCRIPTION: In addition to broad network security device upgrade and replacements, TMWA must further protect its corporate network by increasing the number and the features of the installed next generation firewalls allowing for enhanced network segmentation.

SCHEDULE: Implementation is scheduled for FY 2025.



Administrative Outlays

Printer / Scanner Replacement

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Printer / Scanner Replacement	10	10	10	—	—	30

PROJECT DESCRIPTION: TMWA currently has variety of printers and scanners that support TMWA’s daily business operations. All printers are typically purchased with a three-year warranty, with the expectation that they will reach the end of their system life cycle in a three to five year time frame, requiring a replacement. TMWA annually reviews its printer/scanner performance and business needs and can option a strategy of warranty extension, if cost effective, rather than outright replacement.

SCHEDULE: Equipment is replaced and/or purchased as needed.



Administrative Outlays

Crew Trucks/Vehicles

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates	Crew Trucks / Vehicles	1,500	1,500	1,500	1,500	1,000	7,000

PROJECT DESCRIPTION: TMWA’s service fleet consists of light duty and heavy duty crew trucks. TMWA plans to cycle the light crew fleet over a period of seven to ten years. Spending is determined annually depending on vehicle availabilities and other factors. Spending only occurs if justified. TMWA’s fleet cycles older vehicles to the treatment plants or other less demanding activities prior to disposal at auction.

SCHEDULE: Equipment and employee needs are evaluated and updated annually.



Administrative Outlays

Replacement HCM System

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Replacement HCM System	1,000	—	—	—	—	1,000

PROJECT DESCRIPTION: TMWA is implementing a new Human Capital Management (HCM) system. This system will provide tools for employee timekeeping, payroll, recruiting and onboarding, and human resources. The system is expected to be live in fiscal year 2025.

SCHEDULE: The system is expected to be fully implemented in FY 2025.



Administrative Outlays

Corporate Office Expansion

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Corporate Office Expansion	5,000	2,500	—	—	—	7,500

PROJECT DESCRIPTION: TMWA’s corporate office expanded in 2017 to account for the new staff associated with the merger of the STMGID and WCWU systems. The headcount has steadily grown for office and field staff since then to a point where the office will be full in a couple of years. This project allocates funds for construction or acquisition of additional building space.

SCHEDULE: If constructed, planning and design would commence in FY 2025, acquisition would occur in FY 2025 with improvements in FY 2025 and 2026.



Treatment Plant Improvements

Glendale Office Expansion

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Glendale Office Expansion	500	2,000	—	—	—	2,500

PROJECT DESCRIPTION: This project includes the additions of four offices and the necessary HVAC and lighting improvements in the Glendale Water Treatment Plant ready room.

SCHEDULE: Design is scheduled for FY 2025 and construction is scheduled for FY 2026.



Administrative Outlays

Corporate HVAC Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Corporate HVAC Improvements	100	—	—	—	—	100

PROJECT DESCRIPTION: Replacement of VAVs (variable air volume) throughout the building and replacement of the controls for the boiler system.

SCHEDULE: Improvements are scheduled for FY 2025.



Administrative Outlays
Emergency Management Projects

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Emergency Management Projects	50	50	50	50	50	250

PROJECT DESCRIPTION: Various ongoing preparedness, mitigation and recover planning.

SCHEDULE: Evaluated and assessed annually.



Administrative Outlays

Emergency Operations Annex-Design / Construction

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
2	Customer Rates/ Grants	Emergency Operations Annex Design / Construction	—	250	2,375	2,375	—	5,000

PROJECT DESCRIPTION: The need for a dedicated, full-time Emergency Operations Center has been identified on subsequent Department of Homeland Security (DHS) Vulnerability Assessments as a top priority for TMWA to be able to effectively prepare for, respond to, and recover from natural disasters and emergency related events impacting the Truckee Meadows region within Washoe County. TMWA is currently in the planning and conceptual design phase for a primary Emergency Operations Center (EOC), co-located Security Operations Center (SOC), and Disaster Recovery (DR) site. The location for this project is TBD. Potential emergency operations conducted from the EOC would include internal response to earthquakes, floods, and similar events as well as conducting training and communications support with regional partners. Security operations will be conducted from the SOC on a 24/7 basis while working to ensure the security of our staff, water production, distribution facilities, and other critical infrastructure.

SCHEDULE: Construction is scheduled to begin in FY 2027.



Administrative Outlays

Physical Site Security Improvements

FUNDING TIMELINE:

Priority	Funding Source	Description	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	CIP Total
1	Customer Rates	Physical Site Security Improvements	1,250	850	350	350	350	3,150

PROJECT DESCRIPTION: Physical site security improvements for Chalk Bluff, Glendale and Corporate sites are based on Department of Homeland Security (DHS) Vulnerability Assessments. Recommended priorities included bringing site perimeter fencing up to DHS minimum standards, expanding our security camera network for better site perimeter coverage, general exterior lighting improvement throughout both treatment plants and the use of intrusion detection systems. Landscaping improvements were also noted to help prevent unauthorized access, improve overall visibility, and protect TMWA personnel and buildings.

SCHEDULE: Improvements will continue annually.





Photo: Hidden Valley Tank #2 Rebuild
Photo By: Tarra Mora, Student Employee Engineering



STAFF REPORT

TO: TMWA Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Matt Bowman, CFO
Danny Rotter, Director of Engineering
David Kershaw, Engineering Manager
DATE: May 23, 2024
SUBJECT: **Rate Amendment, Second Hearing and Adoption: Discussion and possible action on 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**

Summary:

Water System Facility Charges (new business connection fees) were last updated in 2022. Staff has recently completed the 2020-2040 Water Facility Plan Update and is recommending revisions to Rate Schedule Water System Facility (WSF) Charges as discussed herein. Staff provided public notice at the October 2023 TMWA Board Meeting of the proposed schedule to complete the analysis and implement potential revisions to the WSF Charges. Staff provided public notices of the revisions and held multiple public workshops including in person and on zoom. The revisions are proposed to become effective July 1, 2024.

Recommendation:

Staff submits for the Board's consideration for Second Reading and adoption of the attached redline of TMWA's Rate Schedule WSF-Water System Facility Charges to revise and update Area Fee, Supply and Treatment, and Storage Unit Costs. Staff recommends the adoption of Resolution No. 327 and recommends that the revised rates become effective Monday, July 1, 2024.

Background:

Rate Schedule WSF contains Area Fee and Facility Charge Unit Costs which are used to calculate fees that TMWA collects from new development to reimburse the utility for regional facility improvements installed by TMWA to meet the demands of new growth. Area Fee Unit Costs, Supply and Treatment Facility Unit Costs, and Storage Facility Unit Costs apply only to developers applying for new or expanded water service, and do not affect the costs or rates to serve existing customers. In other words, pursuant to Board direction on customer rates: growth pays for growth.

Area Fee Unit Costs are applied on a maximum day demand and geographic basis based on the cost to expand the capacity of the water system in specific areas where growth is occurring.

The process to update the Developer Fees are as follows:

- 1. Utilize the most recent updated Water Facility Plan (2020-2040 WFP) to determine if recommended improvements are still applicable and/or if new/additional improvements are required.
- 2. Incorporate facility construction costs from projects completed since the last fee update.
- 3. Based on recent bid results, economy and market trends, refine future facility cost estimates used in updating of fees.
- 4. Update Facility Charges and Area Fees collected.
- 5. Update the GPM capacity added/sold in each Area.
- 6. Calculate New Unit Costs as follows:

Actual Costs Allocated to Growth	
+ Applicable Finance Charges	
+ Estimated Cost of Future Facilities	
- Fees Collected	Expected Growth (GPM)
= Remaining Cost of Growth	- GPM Added/Sold
	= Remaining GPM

Remaining Cost of Growth ÷ Remaining GPM = Unit Cost (\$/GPM)

Actual Fee Paid \$ = Unit Cost (\$/GPM) x Max Day Demand (GPM)

Results – WSF Fees:

The primary factor influencing the proposed revisions are construction cost increases. A list of historical facility costs is attached to this report. The construction cost increases highlighted in the table are significant with some of the higher increases occurring since 2020 (20%-175%). Staff has generally used the construction unit costs highlighted at the bottom of the historical facility costs list to update future facility construction cost estimates unless more accurate data was available for a specific facility. Facility cost estimates include engineering and construction management costs, overheads and construction contingencies to arrive at a total project cost estimate. Another component of an Area Fee is a finance charge or carrying charge to ensure that growth does pay for growth by covering the utility’s cost to finance the infrastructure ahead of regional growth.

A summary of existing fees compared to the proposed fees is attached along with a summary of how the proposed change in the WSF Charges impact typical Single Family Residential (SFR) and Multi-Family Residential (MFR) units for specific areas where the majority of TMWA system growth is occurring. Based on the seven WSF Fee Areas presented in the attached table, the average cost increase of a SFR unit is \$1,447 and for MFRs it increases by \$405 per unit.

The proposed changes in the WSF Charges include increases ranging from 0% to 120%; with a few fees decreasing; and the majority increasing from 10%-60%. The largest increases were a result of a significant amount of future construction needed that have also significantly increased in cost with limited new demands available to recover costs. Other areas with increases on the

order of 20%-30% are generally associated with the increased cost of future projects with a reasonable quantity of predicated new demands to recover those costs. The lower increases are associated with minimal new facilities and recovery of another two years of financing costs. Decreases in unit fees are associated with changes in recommended facility improvements based on predicted changes in the location of future demands in the system and allocation of facility costs between new business and user rates given associated benefits.

The attachment includes the proposed revisions to the TMWA Rate Schedules, based on the previous discussion.

Public Outreach:

Staff has not received any additional comments or input since the First Reading at the April 2024 TMWA board meeting.

After the initial discussion at the October 2023 TMWA Board meeting, staff held the following workshops:

Public Workshop at TMWA:	March 20, 2024
TMWA SAC Presentation:	April 2, 2024
Virtual TMWA Workshops (Noon & 6pm):	April 4, 2024

TMWA staff did reach out to both the NAIOP group and Builder Association of Northern Nevada (BANN) regarding providing a presentation of the proposed WSF revisions. A NAIOP representative attended the virtual workshop on April 4, 2024. At the time of finalizing this staff report, TMWA has not been able to obtain a presentation date from BANN. The TMWA SAC recommended acceptance of the proposed changes. TMWA staff has also provided the proposed changes to various individuals in the development industry that requested them.

Review and action by the TMWA Board is scheduled as follows:

First Reading – TMWA Board Meeting:	April 17, 2024
Second Reading – TMWA Board Meeting:	May 23, 2024
Implementation of Revised Rates:	July 1, 2024

TRUCKEE MEADOWS WATER AUTHORITY

RESOLUTION NO. 327

A RESOLUTION ADOPTING AMENDMENTS TO TRUCKEE MEADOWS WATER AUTHORITY'S RATE SCHEDULE WSF – WATER SYSTEM FACILITY CHARGES REVISING AREA FEE, SUPPLY AND TREATMENT, AND STORAGE UNIT COSTS

WHEREAS, upon its formation, the Truckee Meadows Water Authority (“the Authority”) adopted Rules of Service on March 28, 2001, and such Rules have been modified and revised subsequent to the formation of TMWA;

WHEREAS, after conducting a review of its rate schedules, the Authority has revised and amended Rate Schedules WSF from time to time to meet the needs of its business environment by ensuring appropriate cost recovery through its fees and rates;

WHEREAS, the Authority’s Board desires to amend the Authority’s Rate Schedule WSF to update the fees charged for services rendered and facilities constructed as more fully described in Exhibit 1 attached hereto and incorporated herein by reference;

WHEREAS, the revisions to Rates Schedules set forth in Exhibit 1 attached hereto and incorporated herein are appropriate and justified;

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE TRUCKEE MEADOWS WATER AUTHORITY DOES RESOLVE:

The revisions to Rate Schedule WSF as set forth in Exhibit 1 are approved and adopted effective 12:00 A.M. July 1, 2024.

Upon motion of _____, seconded by _____, the foregoing Resolution was passed and adopted this 23rd day of May 2024 by the following vote of the Board:

Ayes: _____

Nays: _____

Abstain: _____ Absent: _____

Approved this 23rd day of May 2024.

Chair

Truckee Meadows Water Authority

RATE SCHEDULES

WSF – WATER SYSTEM FACILITY CHARGES

APPLICABILITY

Pursuant to procedures set forth in Rule 5, Applicants for new Service or Modified Service to a Service Property(ies) are subject to Water System Facility (WSF) Charges. WSF Charges are based on the Maximum Day Demand estimated in gallons per minute (GPM) by the Authority to serve the Service Property(ies) multiplied by the following Unit Costs. WSF Charges will be assessed where applicable and as identified in the Water Service Agreement.

A. Area Facility Unit Cost by Charge Area

	<u>Charge Area</u>	<u>Old Amount</u>	<u>New Amount</u>	
0	Central Reno	\$0.00	\$ 0.00	per GPM
1	South Virginia Truckee Meadows	\$3,440.00	4,027.00	per GPM
2	Sparks-East Reno	2,811.00	105.00	per GPM
2A	Sparks-Inside McCarran Blvd	1,406.00		per GPM
3	Northwest Reno – Northgate/Mogul	3,258.00	7,159.00	per GPM
4	Sparks – Pyramid/Spanish Springs	4,167.00	4,344.00	per GPM
5	Sparks – The Vistas	8,179.00	9,311.00	per GPM
6	Sun Valley-Sullivan Pump Zones	4,354.00	6,795.00	per GPM
7	Verdi	11,428.00	18,130.00	per GPM
8	Sierra-North Virginia Pump System	11,199.00	11,177.00	per GPM
9	Lakeridge-Plumas Pump System	2,878.00	3,524.00	per GPM
10	Stead-Silver Lake-Lemmon Valley	6,695.00	8,122.00	per GPM
11	South Truckee Meadows	5,751.00	7,542.00	per GPM
12	Spanish Springs	9,097.00	12,601.00	per GPM
13A	Heppner*	2,115.00	2,291.00	per GPM
15	Arrowcreek/Mt. Rose**	14,624.00	16,039.00	per GPM
	Truckee Canyon	7,551.00	7,995.00	per GPM
	Satellite Systems***		0.00	per GPM

Where a Service Property is not located within an established Charge Area described above or where the Area Facility Unit Cost for that Charge Area has not been established, applicable Area Facility Unit Costs shall be determined by Authority on a case by case basis and may include charges for on-site and off-site improvements, including Oversizing Costs, to integrate new Water System Facilities or to connect to, expand, relocate or alter existing water Facilities, determined by the Authority as necessary to facilitate annexation of the Service Property into the Authority's Retail Service Area and/or development of the Charge Area or Charge Area Unit Cost to be established, as set forth in the Annexation Agreement or Water Service Agreement between Applicant and Authority.

* Charge Area 13A is subject to an additional charge of \$5,490.00 per lot for on-site distribution improvements.

** Component of fee includes estimated costs of acquiring supplemental resource supply. Fee may be reduced to ~~\$10,286.00~~ 11,677.00 upon Applicant dedication of an acceptable combination of groundwater and creek water rights to satisfy supplemental conjunctive use supply as determined by the Authority pursuant to its Rule 7.

*** Satellite Systems include Stampmill, Sunrise Estates, Old Washoe Estates and Lightning W.

Added: 06/18/03 Amended: 10/01/03; 01/21/04; 03/01/05; 10/18/06; 03/01/08; 05/21/09; 05/21/10; 06/19/13; 10/15/14; 01/01/15; 05/21/15; 06/16/16, 10/01/19; 1/31/22

Truckee Meadows Water Authority

RATE SCHEDULES

WSF – WATER SYSTEM FACILITY CHARGES

B. Supply and Treatment Facility Unit Cost By Charge Area

“Supply and Treatment Facility Unit Cost” is the unit cost in dollars per GPM of Maximum Day Demand, representing the cost to construct and finance supply/treatment improvements identified in the Authority’s facility plan.

	<u>Charge Area</u>	<u>Old Amount</u>	<u>New Amount</u>	
0	Central Reno	\$6,957.00	\$7,300.00	per GPM
1	South Virginia Truckee Meadows	6,957.00	7,300.00	per GPM
2	Sparks-East Reno	6,957.00	7,300.00	per GPM
2A	Sparks-Inside McCarran Blvd	6,957.00	per GPM	
3	Northwest Reno – Northgate/Mogul	6,957.00	7,300.00	per GPM
4	Sparks – Pyramid/Spanish Springs	6,957.00	7,300.00	per GPM
5	Sparks – The Vistas	6,957.00	7,300.00	per GPM
6	Sun Valley-Sullivan Pump Zones	6,957.00	7,300.00	per GPM
7	Verdi	6,957.00	7,300.00	per GPM
8	Sierra-North Virginia Pump System	6,957.00	7,300.00	per GPM
9	Lakeridge-Plumas Pump System	6,957.00	7,300.00	per GPM
10	Stead–Silver Lake-Lemmon Valley*	6,957.00	7,300.00	per GPM
11	South Truckee Meadows	6,957.00	7,300.00	per GPM
12	Spanish Springs	6,957.00	7,300.00	per GPM
13A	Heppner	0.00	0.00	per GPM
15	Arrowcreek/Mt. Rose	0.00	0.00	per GPM
	Satellite Systems**	6,328.00	0.00	per GPM

* For Area 10 growth dedicating Fish Springs groundwater resources, the Supply-Treatment Facility Unit Cost is \$0 (zero).

** Satellite Systems include Truckee Canyon, Stampmill, Sunrise Estates, Old Washoe Estates and Lightning W.

Added: 06/18/03 Amended: 10/01/03; 01/21/04; 03/01/05; 10/18/06; 03/01/08; 05/21/09; 05/21/10; 06/19/13; 10/15/14; 01/01/15; 05/21/15; 06/16/16, 10/01/19; 1/31/22;

Truckee Meadows Water Authority

RATE SCHEDULES

WSF – WATER SYSTEM FACILITY CHARGES

C. Storage Facility Unit Cost By Charge Area

“Storage Facility Unit Cost” is the unit cost in dollars per GPM of Maximum Day Demand, representing the cost to construct and finance storage improvements identified in the Authority’s facility plan.

	Charge Area	Old Amount	New Amount	
0	Central Reno	\$1,287.00	\$933.00	per GPM
1	South Virginia Truckee Meadows	1,287.00	933.00	per GPM
2	Sparks-East Reno	1,287.00	933.00	per GPM
2A	Sparks-Inside McCarran Blvd	1,287.00	per GPM	
3	Northwest Reno – Northgate/Mogul	1,287.00	933.00	per GPM
4	Sparks – Pyramid/Spanish Springs	1,287.00	933.00	per GPM
5	Sparks – The Vistas	1,287.00	933.00	per GPM
6	Sun Valley-Sullivan Pump Zones	1,287.00	933.00	per GPM
7	Verdi	0.00	0.00	per GPM
8	Sierra-North Virginia Pump System	1,287.00	933.00	per GPM
9	Lakeridge-Plumas Pump System	1,287.00	933.00	per GPM
10	Stead–Silver Lake-Lemmon Valley	0.00	0.00	per GPM
11	South Truckee Meadows	0.00	0.00	per GPM
12	Spanish Springs	0.00	0.00	per GPM
13A	Heppner	0.00	0.00	per GPM
15	Arrowcreek/Mt. Rose	0.00	0.00	per GPM
	Satellite Systems*	0.00	0.00	per GPM

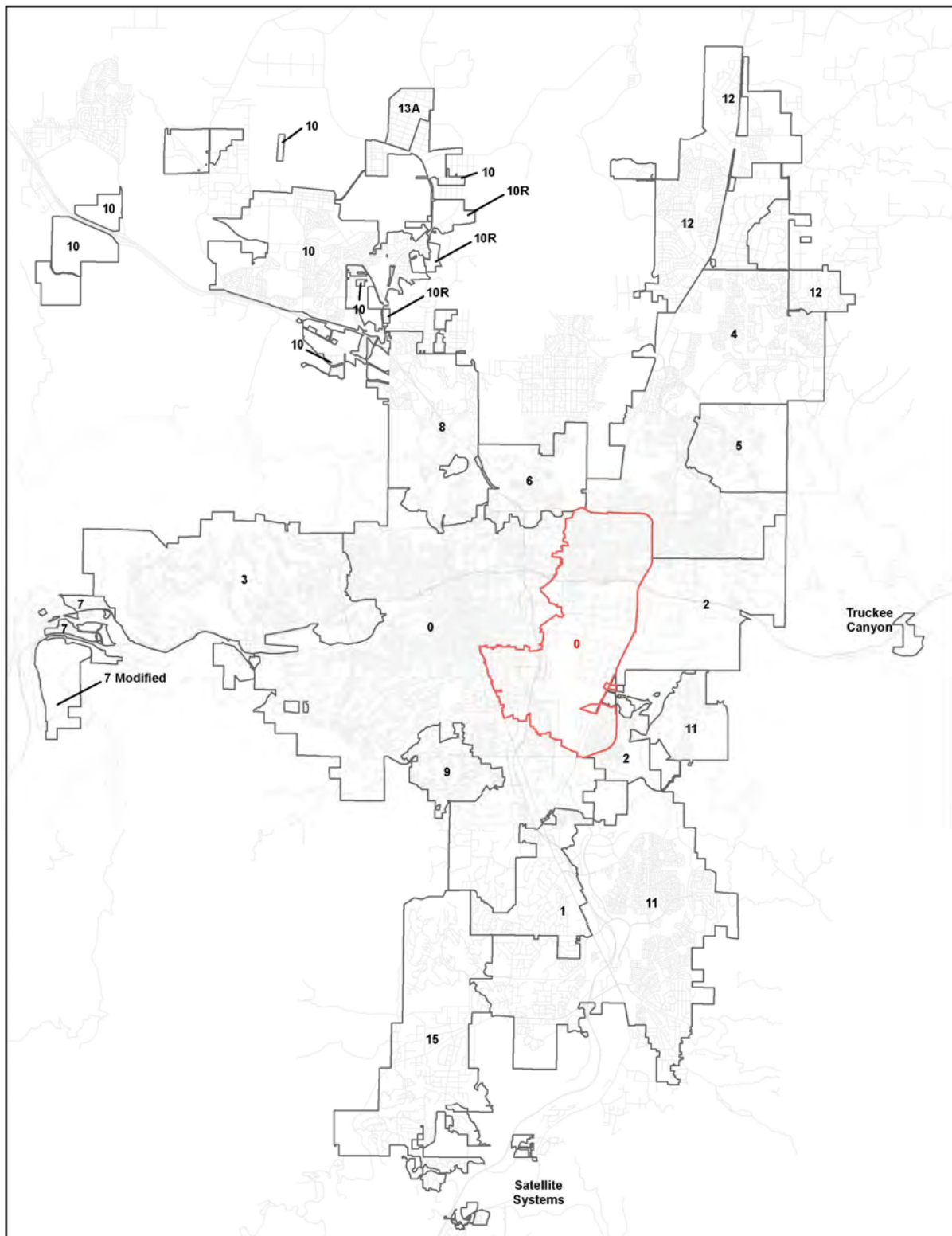
* Satellite Systems include Truckee Canyon, Stampmill, Sunrise Estates, Old Washoe Estates and Lightning W.

NOTE: The following map depicts only approximate boundaries of the Charge Areas because the Authority’s distribution system undergoes frequent modification, Charge Area boundaries are subject to frequent adjustment and the exact boundaries of the Charge Areas shall be maintained by and may be adjusted from time to time by the General Manager of the Authority. The Authority attempts to keep a current map posted on its website, at www.tmwa.com; however, this map may not show sufficient detail to depict Charge Areas precisely. Pursuant to Rule 5 the Authority will determine the Charge Area and associated Area Facility charges to serve the Applicant’s Service Property(ies) at the time of application based on the most current Charge Area boundary information maintained by the General Manager of the Authority.

Added: 06/18/03 Amended: 10/01/03; 01/21/04; 03/01/05; 10/18/06; 03/01/08; 05/21/09; 05/21/10; 01/01/15; 05/21/15; 06/16/16, 10/01/19; 1/31/22;

Truckee Meadows Water Authority

RATE SCHEDULES

WSF – WATER SYSTEM FACILITY CHARGES

Added: 01/01/15; 05/21/15; 06/16/16, 10/01/19; 1/31/22 **REVISE MAP – CONSOLIDATE AREA 2A into 0**



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Matt Bowman, Chief Financial Officer
DATE: May 9, 2024
SUBJECT: Presentation of Fiscal Year 2024 Q3 Year-to-Date Financial Results

Summary

Please refer to Attachments A-1 and A-2 for full Statements of Revenues, Expenses and Changes in Net Position for both actual to budget and year-over-year comparisons as discussed in the report below.

Budget to Actual

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
CHANGE IN NET POSITION	\$ 36,213,662	\$ 34,056,342	\$ 2,157,320	6 %

Change in net position was \$2.2m or 6% higher than budget through Q3 2024. This was driven by higher operating income due to lower operating expenses, higher unrealized investment earnings and grant revenue.

Year over Year

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
CHANGE IN NET POSITION	\$ 36,213,662	\$ 32,112,350	\$ 4,101,312	13 %

Change in net position was \$4.1m or 13% higher than the prior year. This was primarily due a net increase in fair value of investments compared to a net loss in the prior year. In the fourth quarter, interest rates dropped sharply leading to unrealized gains in TMWA's investment portfolio. Capital contributions were higher from grant revenue related to the Advanced Meter Infrastructure project, offset by lower operating income.

Revenue

Budget to Actual

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
OPERATING REVENUES				
Charges for Water Sales	82,642,691	87,805,898	(5,163,207)	(6)%
Hydroelectric Sales	3,083,465	2,313,022	770,443	33 %
Other Operating Sales	3,361,701	2,491,519	870,182	35 %
Total Operating Revenues	89,087,857	92,610,439	(3,522,582)	(4)%

Operating revenue was \$3.5m or 4% lower than budget through Q3 2024. This was mostly driven by lower water sales. Water consumption was significantly lower than budget due to high precipitation through the summer and into fall with lower temperatures. Although the variance in water sales remains significant, there was a slight improvement from Q2, which was 7% lower than budget. TMWA's hydroelectric sales remain strong with the Hydro teams achieving record revenue in the first three quarters of the fiscal year.

Year over Year

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
OPERATING REVENUES				
Charges for Water Sales	82,642,691	83,144,259	(501,568)	(1)%
Hydroelectric Sales	3,083,465	1,911,274	1,172,191	61 %
Other Operating Sales	3,361,701	2,354,372	1,007,329	43 %
Total Operating Revenues	89,087,857	87,409,905	1,677,952	2 %

Total operating revenues were higher than prior year by \$1.7m or 2% due to slightly lower water sales offset by higher other operating sales and hydroelectric sales. Washoe plant was offline in Q3 of the prior year due to low river flows and inspections and repairs.

Operating Expenses

Budget to Actual

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
OPERATING EXPENSES				
Salaries and Wages	22,609,091	24,080,555	(1,471,464)	(6)%
Employee Benefits	10,125,225	10,846,681	(721,456)	(7)%
Services and Supplies	27,976,223	32,635,112	(4,658,889)	(14)%
Total Operating Expenses Before Depreciation	60,710,539	67,562,348	(6,851,809)	(10)%
Depreciation	27,244,754	26,595,457	649,297	2 %
Total Operating Expenses	87,955,293	94,157,805	(6,202,512)	(7)%

Total operating expenses were \$6.2m or 7% lower than budget through Q3 2024. Salaries and wages and employee benefits are both lower due primarily to position vacancies. Services and supplies were \$4.7m or 14% lower than budget. This was mostly due to lower chemical costs of approximately \$1.0m due to lower pricing, less turbidity events and improved operating efficiency. There are various other categories of services and supplies expenses which are lower than budget. These are offset by an increase of \$0.7m in electric power costs.

Year over Year

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
OPERATING EXPENSES				
Salaries and Wages	22,609,091	20,319,308	2,289,783	11 %
Employee Benefits	10,125,225	8,645,159	1,480,066	17 %
Services and Supplies	27,976,223	27,370,722	605,501	2 %
Total Operating Expenses Before Depreciation	60,710,539	56,335,189	4,375,350	8 %
Depreciation	27,244,754	25,811,291	1,433,463	6 %
Total Operating Expenses	87,955,293	82,146,480	5,808,813	7 %

Year over year operating expenses were \$5.8m or 7% higher compared to the prior year. Salaries and wages and benefits are higher than prior year to due to Labor Market Index (LMI) increases, step increases, and additions to staff during FY 2024. Services and supplies expenses are higher due to increase in costs primarily in electric power costs offset by a decrease in chemical costs.

Non-Operating ExpensesBudget to Actual

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
NONOPERATING REVENUES (EXPENSES)				
Investment Earnings	134,749	3,611,978	(3,477,229)	(96)%
Net Increase (Decrease) in FV of Investments	6,728,103	—	6,728,103	— %
Gain (Loss) on Disposal of Assets	(38,154)	(1,232,250)	1,194,096	(97)%
Amortization of Bond/note Issuance Costs	(499,000)	—	(499,000)	— %
Interest Expense	(7,962,245)	(8,271,540)	309,295	(4)%
Total Nonoperating Revenues (Expenses)	(1,636,547)	(5,891,812)	4,255,265	(72)%

Nonoperating expenses were \$4.3m or 72% lower than budgeted than in Q3 2024. Investment earnings were lower than budget due to cash optimization financing which was finalized in January 2024, TMWA liquidated investments resulting in a realized loss of approximately \$3.2m. However, the reinvested proceeds from the 2024 Series bonds are expected to earn approximately \$3.7m over two years. The unrealized gain was recognized as market rates dropped sharply in November and December 2023.

Year over Year

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
NONOPERATING REVENUES (EXPENSES)				
Investment Earnings	134,749	2,562,308	(2,427,559)	(95)%
Net Increase (Decrease) in FV of Investments	6,728,103	(772,445)	7,500,548	(971)%
Gain (Loss) on Disposal of Assets	(38,154)	(18,616)	(19,538)	105 %
Amortization of Bond/note Issuance Costs	(499,000)	—	(499,000)	— %
Interest Expense	(7,962,245)	(8,634,152)	671,907	(8)%
Total Nonoperating Revenues (Expenses)	(1,636,547)	(6,862,905)	5,226,358	(76)%

Nonoperating expenses were lower than prior year by \$5.2m or 76%, primarily due a net increase in fair value of investments compared to a net loss in the prior year. In November and December 2023 interest rates dropped sharply leading to unrealized gains in TMWA's investment portfolio.

Capital Contributions

Budget to Actual

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
CAPITAL CONTRIBUTIONS				
Grants	8,265,785	2,015,775	6,250,010	310 %
Water Resource Sustainability Program	779,664	846,246	(66,582)	(8)%
Developer Infrastructure Contributions	8,818,317	11,508,594	(2,690,277)	(23)%
Developer Will-serve Contributions (Net of Refunds)	3,756,608	3,910,500	(153,892)	(4)%
Developer Capital Contributions - Other	3,443,855	—	3,443,855	— %
Developer Facility Charges (Net of Refunds)	9,245,314	12,639,405	(3,394,091)	(27)%
Contributions from Others	7,250	—	7,250	— %
Contributions from Other Governments	2,400,852	10,575,000	(8,174,148)	(77)%
Net Capital Contributions	36,717,645	41,495,520	(4,777,875)	(12)%

Capital contributions were \$4.8m or 12% lower than budget. Several factors led to the variance lower spending on the American Flat APW project which led to lower contributions from other governments. Also contributing to the variance is lower developer infrastructure contributions. These reductions were offset by an increase in grant revenue. TMWA recognized \$8.0m in grant revenue related to the Advanced Meter Infrastructure project. The total grant awarded TMWA through the Nevada Water Conservation Infrastructure Initiative was \$9.5m. TMWA expects to spend the remaining funds in the next year.

Year over Year

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
CAPITAL CONTRIBUTIONS				
Grants	8,265,785	88,724	8,177,061	9,216 %
Water Resource Sustainability Program	779,664	700,167	79,497	11 %
Developer Infrastructure Contributions	8,818,317	16,015,618	(7,197,301)	(45)%
Developer Will-serve Contributions (Net of Refunds)	3,756,608	3,258,169	498,439	15 %
Developer Capital Contributions - Other	3,443,855	7,257,646	(3,813,791)	(53)%
Developer Facility Charges (Net of Refunds)	9,245,314	5,300,576	3,944,738	74 %
Contributions from Others	7,250	—	7,250	— %
Contributions from Other Governments	2,400,852	1,090,930	1,309,922	120 %
Net Capital Contributions	36,717,645	33,711,830	3,005,815	9 %

Year over year, capital contributions are \$3.0m or 9% higher than the prior year primarily due to an increase in grants offset by a decrease in developer infrastructure contributions.

Capital Spending

Cash spent on capital outlays and construction projects through Q3 2024 was approximately \$45.0m. Total budgeted capital spend for fiscal year 2024 is \$103.7m, which includes \$20.0m and \$19.8m for the American Flat APW facility and Orr Ditch pump station and hydro facility, respectively. Spending on the top three projects is listed below:

Orr Ditch pump station and hydro facility	\$10.2m
Tank Improvements	\$ 5.1m
7th St Hi/Lo BPS Relocation	\$ 4.4m

Cash Position

At March 31, 2024 total cash and investments was \$194.6m or \$12.7m lower than at the beginning of the fiscal year. Of the total cash and investments, \$137.2m was unrestricted to be used to meet upcoming and future operating and maintenance expenses, principal and interest payments and construction project payments. The remaining \$57.4m was restricted to pay for scheduled bond principal and interest payments as well as maintaining required reserves as stipulated in our bond covenants.

Truckee Meadows Water Authority

Comparative Statements of Revenues, Expenses and Changes in Net Position

For the third quarter ended March 31, 2024

	Actual YTD 2024	Budget YTD 2024	Variance \$	Variance %
OPERATING REVENUES				
Charges for Water Sales	\$ 82,642,691	\$ 87,805,898	\$ (5,163,207)	(6)%
Hydroelectric Sales	3,083,465	2,313,022	770,443	33 %
Other Operating Sales	3,361,701	2,491,519	870,182	35 %
Total Operating Revenues	89,087,857	92,610,439	(3,522,582)	(4)%
OPERATING EXPENSES				
Salaries and Wages	22,609,091	24,080,555	(1,471,464)	(6)%
Employee Benefits	10,125,225	10,846,681	(721,456)	(7)%
Services and Supplies	27,976,223	32,635,112	(4,658,889)	(14)%
Total Operating Expenses Before Depreciation	60,710,539	67,562,348	(6,851,809)	(10)%
Depreciation	27,244,754	26,595,457	649,297	2 %
Total Operating Expenses	87,955,293	94,157,805	(6,202,512)	(7)%
OPERATING INCOME	1,132,564	(1,547,366)	2,679,930	(173)%
NONOPERATING REVENUES (EXPENSES)				
Investment Earnings	134,749	3,611,978	(3,477,229)	(96)%
Net Increase (Decrease) in FV of Investments	6,728,103	—	6,728,103	— %
Gain (Loss) on Disposal of Assets	(38,154)	(1,232,250)	1,194,096	(97)%
Amortization of Bond/note Issuance Costs	(499,000)	—	(499,000)	— %
Interest Expense	(7,962,245)	(8,271,540)	309,295	(4)%
Total Nonoperating Revenues (Expenses)	(1,636,547)	(5,891,812)	4,255,265	(72)%
Gain (Loss) Before Capital Contributions	(503,983)	(7,439,178)	6,935,195	(93)%
CAPITAL CONTRIBUTIONS				
Grants	8,265,785	2,015,775	6,250,010	310 %
Water Resource Sustainability Program	779,664	846,246	(66,582)	(8)%
Developer Infrastructure Contributions	8,818,317	11,508,594	(2,690,277)	(23)%
Developer Will-serve Contributions (Net of Refunds)	3,756,608	3,910,500	(153,892)	(4)%
Developer Capital Contributions - Other	3,443,855	—	3,443,855	— %
Developer Facility Charges (Net of Refunds)	9,245,314	12,639,405	(3,394,091)	(27)%
Contributions from Others	7,250	—	7,250	— %
Contributions from Other Governments	2,400,852	10,575,000	(8,174,148)	(77)%
Net Capital Contributions	36,717,645	41,495,520	(4,777,875)	(12)%
CHANGE IN NET POSITION	\$ 36,213,662	\$ 34,056,342	\$ 2,157,320	6 %

Truckee Meadows Water Authority

Comparative Statements of Revenues, Expenses and Changes in Net Position

For the third quarter ended March 31, 2024

	Actual YTD 2024	Actual YTD 2023	Variance \$	Variance %
OPERATING REVENUES				
Charges for Water Sales	\$ 82,642,691	\$ 83,144,259	\$ (501,568)	(1)%
Hydroelectric Sales	3,083,465	1,911,274	1,172,191	61 %
Other Operating Sales	3,361,701	2,354,372	1,007,329	43 %
Total Operating Revenues	89,087,857	87,409,905	1,677,952	2 %
OPERATING EXPENSES				
Salaries and Wages	22,609,091	20,319,308	2,289,783	11 %
Employee Benefits	10,125,225	8,645,159	1,480,066	17 %
Services and Supplies	27,976,223	27,370,722	605,501	2 %
Total Operating Expenses Before Depreciation	60,710,539	56,335,189	4,375,350	8 %
Depreciation	27,244,754	25,811,291	1,433,463	6 %
Total Operating Expenses	87,955,293	82,146,480	5,808,813	7 %
OPERATING INCOME	1,132,564	5,263,425	(4,130,861)	(78)%
NONOPERATING REVENUES (EXPENSES)				
Investment Earnings	134,749	2,562,308	(2,427,559)	(95)%
Net Increase (Decrease) in FV of Investments	6,728,103	(772,445)	7,500,548	(971)%
Gain (Loss) on Disposal of Assets	(38,154)	(18,616)	(19,538)	105 %
Amortization of Bond/note Issuance Costs	(499,000)	—	(499,000)	— %
Interest Expense	(7,962,245)	(8,634,152)	671,907	(8)%
Total Nonoperating Revenues (Expenses)	(1,636,547)	(6,862,905)	5,226,358	(76)%
Gain (Loss) Before Capital Contributions	(503,983)	(1,599,480)	1,095,497	(68)%
CAPITAL CONTRIBUTIONS				
Grants	8,265,785	88,724	8,177,061	9,216 %
Water Resource Sustainability Program	779,664	700,167	79,497	11 %
Developer Infrastructure Contributions	8,818,317	16,015,618	(7,197,301)	(45)%
Developer Will-serve Contributions (Net of Refunds)	3,756,608	3,258,169	498,439	15 %
Developer Capital Contributions - Other	3,443,855	7,257,646	(3,813,791)	(53)%
Developer Facility Charges (Net of Refunds)	9,245,314	5,300,576	3,944,738	74 %
Contributions from Others	7,250	—	7,250	— %
Contributions from Other Governments	2,400,852	1,090,930	1,309,922	120 %
Net Capital Contributions	36,717,645	33,711,830	3,005,815	9 %
CHANGE IN NET POSITION	\$ 36,213,662	\$ 32,112,350	\$ 4,101,312	13 %



STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Jessica Atkinson, Human Resources Director
Justina Caviglia, Board Counsel
DATE: May 23, 2024
SUBJECT: 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

Recommendation

Staff recommends the Board determine whether to allow the General Manager's Employment Agreement to automatically extend for an additional two years as set forth in Section 5.1.

Discussion

Mr. Zimmerman's employment agreement has an initial term of two years beginning October 15, 2022, and automatically extends for an additional two years unless either party provides written notice to the other by May 31, 2024.

The decision to provide or not provide the written notice described above does not require the Board to conduct a performance evaluation or to have "Cause" to terminate. Section 5.1 provides both the Board and Mr. Zimmerman an opportunity by providing written notice to not automatically extend the agreement.

Mr. Zimmerman received a positive performance evaluation during his one-year anniversary in October of 2023 and is scheduled for his next performance evaluation in October of 2024. Mr. Zimmerman has notified the Board's Chairman that he wants to continue to serve as TMWA's General Manager for another two-year term.

If the Board decides to continue to have Mr. Zimmerman as TMWA's General Manager for another two-year term, then notice is not required under the Employment Agreement.

Attachments

1. General Manager, John Zimmerman's Employment Agreement

Recommended Motion

Move to allow the Employment Agreement to automatically extend for an additional two years
OR move to provide notice under Section 5.1 and not extend the Employment Agreement.



May 10, 2024

Mr. John Zimmerman
General Manager, Truckee Meadows Water Authority
PO Box 30013
Reno, NV 89520-3013

Re: Notice of meeting of the TMWA Board of Directors meeting to discuss the automatic extension provision of your Employment Agreement

Mr. Zimmerman,

The TMWA Board, at its meeting scheduled for Thursday, May 23, 2024, at 10:00 AM, will discuss and determine whether to allow your Employment Agreement to automatically extend for an additional two years as set forth in Section 5.1 of your Employment Agreement. In the process of these discussions, the Board may consider your professional competence and may take administrative action regarding the automatic extension provision.

This public meeting will take place at Sparks Council Chambers located at 745 4th Street, Sparks, NV, 89431.

By signing below, you acknowledge personal receipt of this notice.

This notice is being provided to you in accordance with NRS 241.033.

Sincerely,

Kristopher Dahir
Kristopher Dahir, Chair
Truckee Meadows Water Authority Board of Directors

RECEIPT

John Zimmerman acknowledges personal receipt of written notice of the foregoing as of 5/10/2024 | 1:24 PM PDT

John Zimmerman
John Zimmerman

EMPLOYMENT AGREEMENT

1. PARTIES AND RECITALS

This Employment Agreement (“Agreement”) is entered into on July__, 2022 (“Effective Date”) by and between the Truckee Meadows Water Authority, by and through its duly constituted Board of Directors (“TMWA”), a political subdivision of the State of Nevada and a public entity organized pursuant to NRS 277.110, et. seq., and John Zimmerman (“Zimmerman”), collectively the “Parties”.

1.1 TMWA was formed to exercise powers, privileges and authorities to develop and maintain supplies of water for the benefit of the Truckee Meadows community;

1.2 TMWA desires to retain the services of Zimmerman as General Manager;

1.3 Zimmerman desires employment as General Manager of TMWA;

1.4 The parties desire to enter into an agreement reflecting the terms and conditions under which Zimmerman will be employed by TMWA as its General Manager; and

1.5 TMWA desires that Zimmerman overlap with the existing General Manager for business continuity purposes and that during the overlap Mr. Mark Foree will retain his authority unless Mr. Foree designates Zimmerman as Acting General Manager through October 15, 2022.

1.6 For purposes of this Agreement October 15th of each year will be deemed the “Anniversary Date.”

NOW, THEREFORE, in consideration of their mutual covenants contained herein, TMWA and Zimmerman agree as follows:

2. EMPLOYMENT

TMWA hereby employs Zimmerman and Zimmerman agrees to serve as the General Manager of TMWA to perform the functions and duties specified in Section 3 for the term specified in Section 5.

3. DUTIES/ESSENTIAL JOB FUNCTIONS

3.1 Zimmerman agrees that during the Term of Employment (as defined in Section 5.1) he will hold the office of General Manager of TMWA reporting to TMWA’s Board of Directors (the “Board”). Zimmerman agrees to perform faithfully and to the best of his ability such duties and assignments relating to the business of TMWA as the Board of Directors of TMWA shall direct.

3.2 During the Term of Employment Zimmerman shall, except during customary vacation periods and periods of illness, devote his business time and attention to the performance of his duties hereunder and to the business and affairs of TMWA and to promoting the best interests of TMWA. Zimmerman shall not, either during or outside of normal business hours, engage in any activity inimical to the best interests of TMWA. Notwithstanding the foregoing, Zimmerman may engage in charitable or civic pursuits provided that such service or pursuits do not interfere with Zimmerman's obligations under the Agreement.

4. SALARY

TMWA agrees to pay Zimmerman for his services an annual base salary of (\$223,297.00) ("Base Salary") beginning on the Effective Date. Zimmerman's Base Salary shall automatically adjust in incrementing steps on July 1, 2023 and each July 1 thereafter until he reaches the "Market" step of the General Manager wage band. Zimmerman will have an opportunity to earn a Base Salary increase and a lump sum award based upon Zimmerman's specific job performance in meeting the mutually agreed upon goals for the previous year. The Board and Zimmerman will meet by December 1, 2022 to set initial performance goals for the 2022-23 fiscal year. The Board shall evaluate Zimmerman's performance pursuant to Section 6 and in its sole discretion may determine a performance lump sum award or any salary adjustment in accordance with Section 6 of this Agreement. This adjustment may be made either to the Base Salary or in the form of a lump sum award or as a combination of the two at the sole discretion of TMWA. The total award (addition to Base Salary plus lump sum award) may be up to 10% of Base Salary. Any portion of a salary adjustment granted as a lump sum award shall not become part of Zimmerman's Base Salary for future years.

5. TERM AND TERMINATION

5.1 Term. The term of this Agreement ("Initial Term") is two (2) years beginning on the first Anniversary Date of this Agreement (October 15, 2022); subject, however, to prior termination as provided herein. The Term of Employment shall automatically be extended, with the same terms to the extent they comply with applicable Nevada law, for an additional two years from the third Anniversary Date (October 15, 2024) ("Extension Term"), unless either party provides written notice to the other party no later than May 31, 2024 of its election not to extend the Initial Term. The Initial Term and Extension Term, as applicable, are referred to as the "Term of Employment."

5.2 Renewal of Contract. If the Extension Term is exercised, the Parties agree to meet and confer no later than May 31, 2026, to decide if the Parties will negotiate an amendment to this contract.

5.3 Events of Termination. The Term of Employment, Zimmerman's Base Salary, and any and all other rights of Zimmerman under this Agreement or otherwise as an employee of TMWA shall terminate (except as otherwise provided in this Section) for the reasons and at the times set forth below:

- (a) Immediately upon the expiration of the Term of Employment;
- (b) Immediately upon the death of Zimmerman;
- (c) Upon the disability of Zimmerman (as defined in Section 5.4) immediately upon written notice from either party to the other;
- (d) For Cause (as defined in Section 5.5) immediately upon notice from TMWA to Zimmerman, or at such later time as such notice may specify;
- (e) For convenience by Zimmerman following no less than 120 days written notice, unless the parties subsequently agree to a different notice period; or
- (f) For convenience by TMWA following no less than thirty (30) days written notice; provided Zimmerman shall be entitled to severance pay as set forth in Section 5.5.

5.4 Definition of Disability. For purposes of Section 5.3(c), Zimmerman will be deemed to have a “disability” if, Zimmerman is unable to perform the essential functions of his duties under this Agreement, with or without a reasonable accommodation, including granting Zimmerman some finite amount of leave, due to disability caused by sickness, accident, injury, mental or physical incapacity. The disability of Zimmerman will be determined by a medical doctor selected by written agreement of TMWA and Zimmerman upon the request of either party by notice to the other. If TMWA and Zimmerman cannot agree on the selection of a medical doctor, each of them will select a medical doctor and the two medical doctors will select a third medical doctor who will determine whether Zimmerman has a disability. The determination of the medical doctor selected under this Section 5.4 will be binding on both parties. Zimmerman must submit to a reasonable number of examinations by the medical doctor making the determination of disability under this Section 5.4, and Zimmerman hereby authorizes the disclosure and release to TMWA of such determination and all supporting medical records. If Zimmerman is not legally competent, Zimmerman’s legal guardian or duly authorized attorney-in-fact will act in Zimmerman’s stead, under this Section 5.4, for the purposes of submitting Zimmerman to the examinations, and providing the authorization of disclosure, required under this Section 5.4.

For the sake of clarity, any leave granted to Zimmerman as a reasonable accommodation, during which he is unable to perform his duties under this Agreement, will be paid for up to 90 days. Any additional leave that may become necessary as a reasonable accommodation beyond the 90-day period—and during which Zimmerman is not performing any duties under this Agreement—will be unpaid. Nothing in this Agreement affects the parties’ ability to discuss and implement alternative accommodations, if needed, such as reassignment of Zimmerman to another position for which he is qualified and the duties of which he can perform.

5.5 Definition of “For Cause”. For purposes of Section 5.3(d), the phrase “For Cause” means: (a) Zimmerman’s material breach of this Agreement or gross negligence in the performance of his required duties as TMWA General Manager; (b) Zimmerman’s failure to adhere to any written policy of TMWA or lawful direction of the TMWA Board if Zimmerman

has been given a reasonable opportunity to comply with such policy or direction or cure his failure to comply; (c) the appropriation or attempted appropriation of a material business opportunity of TMWA, including attempting to secure or securing any personal profit in connection with any transaction entered into on behalf of TMWA; (d) any act of dishonesty, fraud, embezzlement, theft, or misappropriation or attempted misappropriation of any of TMWA's funds or property; (e) the conviction of, the indictment for or its procedural equivalent, or the entering of a guilty plea or plea of no contest with respect to, a felony, the equivalent thereof, or any other crime with respect to which imprisonment is a possible punishment; (f) Zimmerman's material violations of TMWA employment policies; (g) Zimmerman's indictment, arrest or conviction for the use or possession of illegal drugs; (h) Zimmerman's willful or material violation of the Code of Ethical Standards set forth in NRS Chapter 281A; or (i) for any other reason constituting cause as that term may otherwise be defined under Nevada law.

5.6 Termination Pay. Effective upon the termination of this Agreement, TMWA will be obligated to pay Zimmerman (or, in the event of his death, his designated beneficiary as defined below) only such compensation as is provided in this Section 5.6, and in lieu of all other amounts and in settlement and complete release of all claims Zimmerman may have against TMWA. For purposes of this Section 5.6, Zimmerman's designated beneficiary will be such individual beneficiary or trust, located at such address, as Zimmerman may designate by notice to TMWA from time to time or, if Zimmerman fails to give notice to TMWA of such a beneficiary, Zimmerman's estate. Notwithstanding the preceding sentence, TMWA will have no duty, in any circumstances, to attempt to open an estate on behalf of Zimmerman, but will act reasonably in ascertaining the whereabouts of Zimmerman's beneficiaries and seeing to it that such beneficiaries are properly paid.

(a) If this Agreement is terminated by either party as a result of Zimmerman's death or disability as determined under Section 5.4, by TMWA "For Cause" pursuant to Section 5.3(d) or by Zimmerman for convenience pursuant to Section 5.3(e), TMWA shall pay Zimmerman his Base Salary accrued through the date of termination plus any accrued unused PTO as set forth in section 8 below.

(b) If TMWA terminates this Agreement for convenience pursuant to Section 5.3(f), TMWA agrees to pay Zimmerman severance pay equal to Zimmerman's six-month Base Salary and a lump sum payment equal to the six month's of the employer's share of health insurance premiums, calculated using Zimmerman's enrollment tier at the time of separation upon the effective date of such termination plus any accrued unused PTO as set forth in section 8 below. This payment shall be made 60 days after separation and will be contingent upon Zimmerman signing a release of all claims.

5.7 Non-Renewal of Agreement. In the event TMWA elects not to renew or extend this Agreement beyond the Initial Term by providing written notice pursuant to Section 5.1, all compensation, benefits and requirements of the Agreement shall remain in effect until the expiration of the Initial Term, unless the Agreement is terminated sooner as provided herein, and

Zimmerman will receive severance pay as set forth in Section 5.6(b) above upon the expiration of the Initial Term.

6. PERFORMANCE EVALUATION

TMWA's Board of Directors will review and evaluate Zimmerman's performance at least once annually on or within four months after the end of the fiscal year. Zimmerman's annual salary review and any adjustment to compensation will coincide with the annual performance evaluation timeframes established for all TMWA employees.

7. RETIREMENT

7.1 Subject to applicable laws, TMWA will contribute an amount equal to 8% of Zimmerman's base salary to a deferred compensation plan on Zimmerman's behalf.

7.2 TMWA agrees that Zimmerman will be a member of the Nevada Public Employees Retirement System at TMWA's expense.

8. PAID TIME OFF

8.1 Zimmerman will be granted 40 days of compensated paid time off ("PTO") each year for personal use, including vacation and illness. Accrued but unused PTO may be taken as pay in accordance with TMWA's PTO Cash Out Policy or carried over to the next calendar year as set forth in Section 8.2.

8.2 Accrued but unused PTO will be carried over from year to year. A maximum of 320 PTO hours can be carried over each calendar year. Upon termination of Zimmerman's employment, Zimmerman will be entitled to full compensation for his accrued, unused PTO.

9. DUES, SUBSCRIPTIONS AND PROFESSIONAL DEVELOPMENT

9.1 TMWA agrees to pay the professional dues, certifications and subscriptions of Zimmerman necessary for his continuation and participation in national, regional, state and local associations and organizations necessary and desirable for his continued professional participation, growth and advancement, and for the good of TMWA.

9.2 TMWA agrees to pay the travel and subsistence expenses of Zimmerman for professional and official travel and meetings adequate to continue the professional development of Zimmerman as the general manager of a water utility and to adequately pursue necessary official functions for TMWA. Such travel and subsistence expenses must be approved by TMWA's Chief Financial Officer and cannot exceed \$20,000.00 dollars annually. If the costs will exceed \$20,000.00 they must be submitted to and approved by the Chair of the TMWA

Board. TMWA will also pay for Zimmerman's attendance at conferences, seminars and short courses which are deemed to be of value to TMWA.

10. EXPENSES, ALLOWANCES AND OTHER BENEFITS

10.1 Zimmerman will be paid a fixed sum of \$750 per month for the use of his personal vehicle for TMWA business, with future increases to be determined by TMWA as a part of the budget cycle.

10.2 TMWA agrees to pay Zimmerman a fixed sum of \$150 per month as a cell phone/personal digital assistance (PDA) allowance.

10.3 TMWA will pay all costs of any fidelity or other bonds required of Zimmerman by virtue of his employment with TMWA.

10.4 Zimmerman will receive all other benefits provided to management employees, and nothing in this contract affects Zimmerman's ability to receive any benefit provided to management employees. In the event there is a conflict between the benefits provided to management employees and the terms of this contract, the greater benefit will prevail.

11. TEAM BUILDING, GOALS AND RETREATS

TMWA agrees that annually TMWA's Board of Directors will schedule and participate in the following:

- (a) A goals-setting session to develop objectives for TMWA; and
- (b) A session to develop specific criteria to serve as the basis for Zimmerman's pay-for-performance clause set forth in Section 6 of this agreement. This session will be held within four months after the end of each fiscal year of the Term of Employment.

12. MISCELLANEOUS

12.1 The captions in this agreement are not part of the provisions hereof, are merely for the purpose of reference and shall have no force or effect for any purpose whatsoever, including the construction of the provisions of this Agreement, and if any caption is inconsistent with any provisions of this Agreement, such provisions shall govern. The Recitals are part of this Agreement.

12.2 This Agreement is made in and shall be governed by and construed in accordance with the internal laws of the State of Nevada.

12.3 This Agreement contains a complete statement of all of the arrangements between the parties with respect to the subject matter hereof. There are no representations, agreements, arrangements or understandings, oral or written between the parties relating to the subject matter of this Agreement, which are not fully expressed in this Agreement.

12.4 This Agreement may not be waived, changed, modified or discharged orally, but only by an agreement in writing signed by the party against whom any waiver, change, modification or discharge is sought.

12.5 All notices given hereunder shall be in writing and shall be sent by registered or certified mail, return receipt requested as such other address as TMWA and Zimmerman designate. Each such notice shall be deemed to be given on the date received at the address of the addressee.

12.6 If litigation over this Agreement is initiated in any court, the Parties agree the proper venue is Washoe County, Nevada. Zimmerman irrevocably (i) waives and agrees not to assert in any such action, suit or other proceeding that he is not personally subject to the jurisdiction of such courts, that the action, suit or other proceeding is brought in an inconvenient forum or that the venue of the action, suit or other proceeding is improper, (ii) waives personal service of any summons, complaint or other process and (iii) agrees that the service thereof may be made by certified or registered mail directed to Zimmerman at his address for purposes of notices hereunder. Should Zimmerman fail to appear or answer within the time prescribed by law, he shall be deemed in default and judgment may be entered by TMWA against him for the amount or other relief as demanded in any summons, complaint or other process so served.

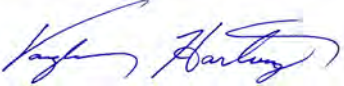
IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first hereinabove written.

TMWA

GENERAL MANAGER

Dated this 26 day of July, 2022


Dated this _____ day of _____, 2022

By: 

Vaughn Hartung, Chairman

By: _____
John R. Zimmerman

Approved as to form:



Lucas Foletta, Esq.
General Counsel

12.3 This Agreement contains a complete statement of all of the arrangements between the parties with respect to the subject matter hereof. There are no representations, agreements, arrangements or understandings, oral or written between the parties relating to the subject matter of this Agreement, which are not fully expressed in this Agreement.

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IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first hereinabove written.

TMWA

GENERAL MANAGER

Dated this _____ day of _____, 2022

Dated this 26 day of July, 2022

By: _____
Vaughn Hartung, Chairman

By: John R. Zimmerman
John R. Zimmerman

Approved as to form:

Lucas Foletta, Esq.
General Counsel



STAFF REPORT

TO: Board of Directors
FROM: John R. Zimmerman, General Manager
DATE: May 13, 2024
SUBJECT: General Manager's Report

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*).

Also, listed below are news clippings from April 11, 2024 through May, 13 2024:

- 04/21/24 [One recovery effort, two strains of fish. The complex comeback of Lahontan cutthroat trout](#) Nevada Independent
- 04/18/24 [Center for Urban Water Conservation celebrates 30 years of research](#) UNR.edu
- 04/18/24 [Reno/Sparks selected to be part of Urban Heat Mapping Campaign](#) UNR.edu
- 04/22/24 [Sierra Nevada Lake Levels Low as Spring Runoff Begins](#) KRNv
- 04/20/24 [East County recycled water treatment facility set to go online in 2026](#) NBC San Diego
- 04/25/24 [DRI's Groundbreaking New Research in Groundwater's Role in Ecosystem Sustainability](#) DRI
- 04/30/24 ['Smart About Water' Day This Saturday in Reno | Video](#) KTVN
- 04/30/24 [Nevada Delegation Joins Six Western States Demanding More Water Investments](#) Nevada Current
- 04/30/24 [TMWA Announces Water Supply Projections](#) KRNv
- 05/01/24 [Researchers, water managers gather to discuss challenges facing Truckee River watershed](#) Univ. of Nevada
- 05/04/24 [Truckee Meadows Water Authority Hosts Smart About Water Day](#) KTVN
- 05/06/24 [Water Rights, Law on Agenda for June 13-14 Western Ag and Environmental Law Conference @ Nevada](#) Ag Clips
- 05/08/24 [24th Annual Snapshot Day – Truckee River --May 11](#) Keep Tahoe Blue
- 04/13/24 [Most Nevada Reservoirs at 80 Percent](#) Thisisreno, Nevada Current and RGJ
- 04/12/24 [NV water right holders have little choice but to sell, say water regulators](#) Nevada
- 04/11/24 [TMF Gives Tips on Truckee River Safety](#) KTVN



STAFF REPORT

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

SUMMARY

- The Sierra snowpack building season finished above normal for the second year in a row.
- Lake Tahoe Basin snowpack was officially measured at 114% of normal on April 1st.
- Above average runoff is projected for both the Truckee River and Lake Tahoe basins.
- All reservoirs on the Truckee River system (inc. Lake Tahoe) will fill this year.
- Normal Truckee River flows can be expected for the next 2-3 years.
- This means normal water supply operations once again for TMWA.
- The vast majority of Nevada and California are completely drought-free.
- The water supply outlook for the region could not be any better than it is right now.
- Hydroelectric generation for April 2024 was \$363,537 (@ 4,738 MWh).

(A) Water Supply

- **River Flows** - Truckee River discharge at the CA/NV state line was about 1,370 cubic feet per second (CFS) this morning. This is slightly below normal (82%), as the 115-year median daily discharge for this day at Farad is 1,680 CFS. Flows will begin picking up over the next couple of days in response to warming springtime temperatures.
- **Reservoir Storage** - Overall, Truckee River reservoir storage is ~90% of capacity. The elevation of Lake Tahoe is 6228.55 feet (0.55' from full). Storage values for each reservoir as of May 10th are as follows:

Reservoir	Current Storage (Acre-Feet)	% Capacity (Percent)
Tahoe	677,000	91%
Boca	20,555	50%
Stampede	217,434	96%
Prosser	20,957	70%
Donner	6,999	74%
Independence	16,494	94%

In addition to the 23,493 acre-feet of storage between Donner and Independence reservoirs, TMWA also has 13,050 acre-feet of water stored between Stampede and Boca reservoirs under the terms of TROA. TMWA's total combined upstream reservoir storage as of this writing is approximately 36,543 acre-feet.

- **Outlook** - The water supply outlook for the region is extremely positive. After the second above normal winter in a row, the entire Sierra Nevada range and the vast majority of Nevada and California are completely drought-free. With a solid, productive springtime runoff already occurring, it is projected that all upstream reservoirs on the Truckee River system will fill completely this year, including Lake Tahoe which has not been topped off since 2019. So, with a fully recharged system of upstream storage reservoirs, we can expect normal river flows for the next two to three years regardless of what the weather has in store for the Sierra as far as snowpack is concerned. The state of our water supply is excellent.

(B) Water Production

- **Demand** - TMWA customer consumption averaged about ninety-two (92) million gallons per day (MGD) this past week. Surface water made up 84% of our overall supply, and groundwater pumping the other 16%. Our peak demand day YTD was 100 MGD on May 1st.

(C) Hydro Production

Generation - The average flow in the Truckee River at Farad (CA/NV state line) during the month of April was 1,015 CFS due to springtime runoff. 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	30	100%	1,725	\$132,676	\$4,423
Verdi	30	100%	1,575	\$120,067	\$4,002
Washoe	30	100%	1,438	\$110,794	\$3,693
Totals	90	-	4,738	\$363,537	\$12,118



STAFF REPORT

TO: Chairman and Board Members
THRU: John R. Zimmerman, General Manager
FROM: Eddy Quaglieri, Water Rights Manager
DATE: May 8, 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		3,349.79 AF
Purchases of water rights	124.80 AF	
Refunds	0.00 AF	
Sales	-34.47 AF	
Adjustments	0.00 AF	
Ending Balance		3,440.12 AF

Price per acre foot at report date: \$7,900

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.

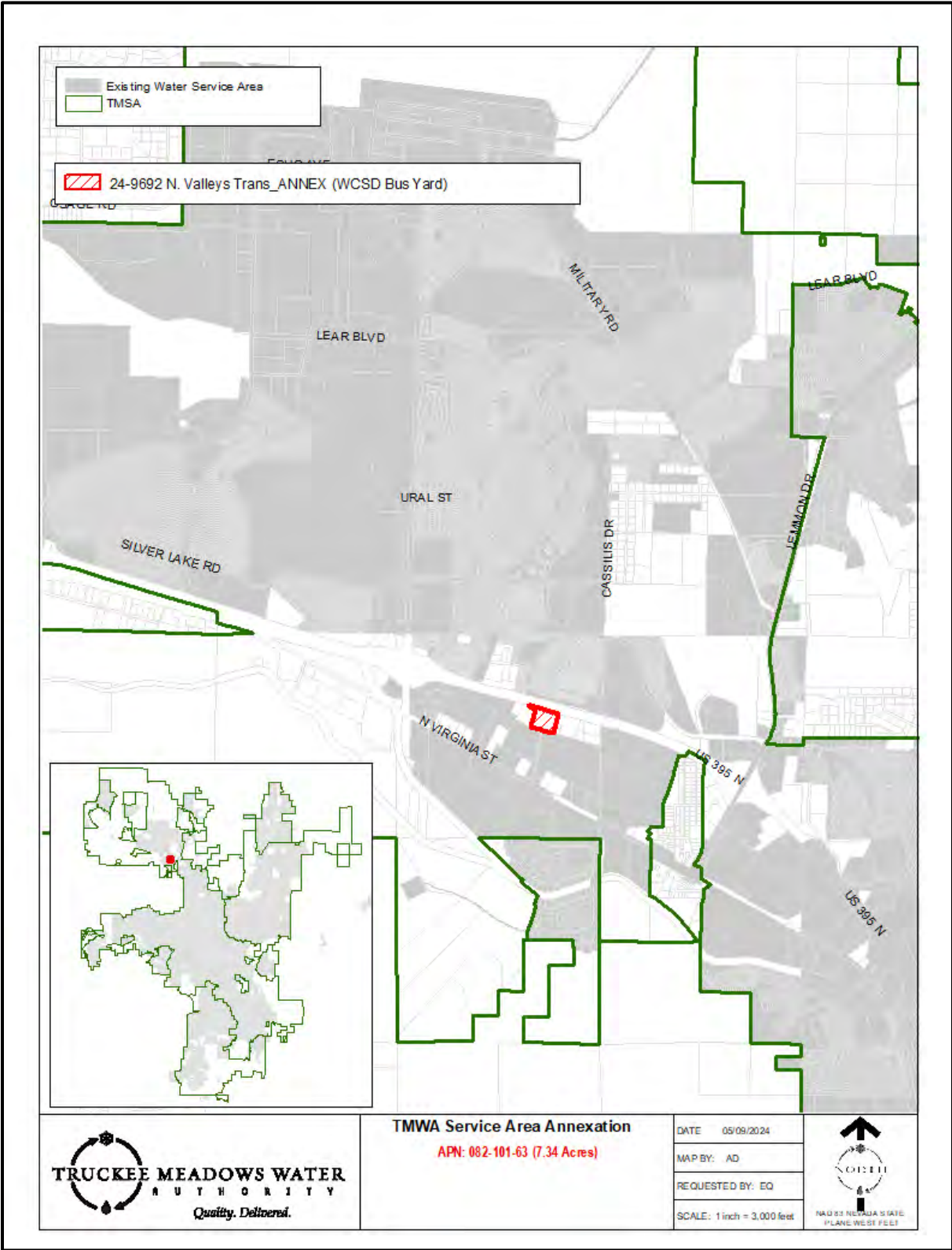
WATER SERVICE AREA ANNEXATIONS

Since the date of the last report, there have been 7.34 acres (Exhibit A) annexed into TMWA's service area.

INTERRUPTIBLE LARGE VOLUME NON-POTABLE SERVICE

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

EXHIBIT “A”





STAFF REPORT

TO: Board of Directors
THRU: John R. Zimmerman, General Manager
FROM: Marci Westlake, Manager Customer Service
DATE: May 23, 2024
SUBJECT: April Customer Service Report

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

Ombudsman Report – Kim Mazeres

- Received service line insurance letter. Wanted to know if it was legitimate. Was planning to call her homeowner's insurance company. Felt letter was threatening. Explained it was legitimate. Explained what she owned and what they would insure (from meter to house). Advised she talk to her homeowner's insurance agent. She was very grateful for the call.
- First message was inquiry on to how to remove blue paint left from Call Before You Dig for a tree planting. She also wanted to know why it was different paint from the other agencies, which had faded due to the rain and to advise she had gotten the runaround from the main office. Second call was to apologize for the "overreaction" she had and to advise she had removed it with a wire brush and some Goo Gone. Customer resolved it herself prior to call back. Left message for the customer telling her I appreciated her second call and that she did exactly what I would have advised her to do.

Communications – Public Outreach – April

- Darrin Garland had a presentation for Unitek College Nursing School for the Impact of Public Drinking water in Communities and 28 people attended.
- Kara Steeland had a presentation for Tahoe Central Sierra Initiative about the Forest Management and Watershed Protection and 60 people attended.
- Lydia Teel had a presentation for Wyoming Association of Rural Water Systems for the OneWater Nevada APWF at American Flat and 40 people attended.
- Shannon Giolito and Lauren Kunin had two Irrigation start-up workshops and 13 people attended.

Conservation (2024 Calendar year)

- 214 Water Usage Reviews.
- 457 Water Watcher Contacts.

Customer Calls – April

- 6,337 phone calls handled.
- Average handling time 4 minutes 59 seconds per call.
- Average speed of answer :18 seconds per call.

Billing – April

- 137,609 bills issued.
- 58,603 customers (42%) have signed up for paperless billing to date, which equates to an annual savings of \$ 421,941.60.

Remittance – April

- 15,874 Mailed-in payments.
- 22,562 Electronic payments.
- 56,654 Payments via AutoPay (EFT).
- 15,386 One-time bank account payments.
- 6 Store payments.
- 706 Pay by Text.
- 4,032 IVR Payments.
- 737 Reno office Payments.
- 46 Kiosk Payments.

Collections – April

- 15,498 accounts received a late charge.
- 1,380 Mailed delinquent notices, 0.02% of accounts.
- 508 accounts eligible for disconnect.
- 486 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

- 5,563 Meter exchanges completed.
- 1,448 New business meter sets completed.

Service Line Warranties of America Statistics

- 11,412 Policies
- 9,131 Customers
- 98 Jobs Completed
- \$ 298,815. Customer Savings