



MAGNA WATER DISTRICT AGENDA

FOR THE

REGULAR BOARD MEETING

10:00 AM

THURSDAY DECEMBER 12, 2024

8885 W 3500 S, MAGNA, UT 84044

GENERAL OFFICE BUILDING

(801)250-2118

Fax(801)250-1452

DECEMBER 12, 2024
REGULAR BOARD MEETING AGENDA
MAGNA WATER DISTRICT

MEETING DATE: December 12, 2024, at 10:00 am
LOCATION: 8885 W 3500 S, MAGNA, UT, GENERAL OFFICE BUILDING

- A. Call to Order**
- B. Public, Board and Staff join in the Pledge of Allegiance**
- C. Welcome the Public and Guests**
- D. Public Comment**

Written requests that are received – Please do not take over three minutes due to time restraints for other individuals and the Board.

- E. Inquire of any conflicts of interests that need to be disclosed to the Board**

- F. Approval of common consent items**

- 1. Minutes of the regular board meeting held November 14, 2024
- 2. Minutes of the 2025 Budget Hearing held November 14, 2024
- 3. Expenses for November 4 to December 1, 2024
 - General Expenses: \$1,085,100.26
 - Zions Bank Bond Payment: \$83,492.50

- G. Employee Recognition**

Ed Tucker – EDR Light Diagram

Scott Beck – Wastewater Treatment Grade IV Certification

- H. Department Reports:**

- 1. General Manager Report
- 2. Engineering Report
- 3. Water Operations Report (water production and call out report)
- 4. Wastewater Operations Report

5. Controller/Clerk Report
 - Compliance Requirements Report
6. HR Manager Report

I. Water & Sewer Availability

Discussion and possible motion to approve the following developments:

1. Eagle Meadows Subdivision located at 7613 W 3100 S

J. Project Awards & Agreements

Discussion and possible motion to approve the following project awards and agreements:

1. (Clint) Renewal of annual insurance policies for 2025 through Olympus Insurance in the amount of \$262,926.
2. (Trevor) Stantec task order for construction management services on the West Side Collection System Improvement Project 1B in the amount of \$162,570.
3. (Trevor) AE2S task order for 2025 LCRR/LCRI Compliance support in the amount of \$38,600.

K. Administrative

Discussion and possible motion to approve the following administrative items:

1. (Trevor) Approval of the selected engineering consultants for the Westside Collection Projects.
2. (LeIsle) Approval of the Investment Committee Meeting held December 3, 2024, to remove funds from the watchlist.
3. (Trevor) Change house alternative analysis.
4. (LeIsle) Approval of adding Clint Dilley and LeIsle Fitzgerald as authorized users to the district's PTIF accounts.
5. (LeIsle) Approval of 2025 Regular Board Meeting Schedule.
6. (LeIsle) Approval of 2024 Fraud Risk Assessment.

For information and discussion only – no action items:

1. (Nathan Bracken) Report on HB280 Study
2. (LeIsle) 2025 Conference Schedule
3. Next month's board meeting – January 9, 2025, at 10:00 am

- L. Motion to take a brief recess and immediately following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205.**
- M. Motion to close the closed meeting and re-open the public board meeting.**
- N. Consider action on any noticed agenda item discussed in closed meeting.**
- O. Other Business**
- P. Adjourn**

MEETING MINUTES

**MINUTES OF THE
REGULAR MEETING
OF THE BOARD OF TRUSTEES OF
MAGNA WATER DISTRICT**

A regular meeting of the Board of Trustees of the Magna Water District was held Thursday, November 14, 2024, at 10:07 a.m. (immediately following the budget hearing), at the Magna Water District General Office, Kim Bailey Board Room, located at 8885 West 3500 South, Magna, UT.

Call to Order: Mick Sudbury called the meeting to order at 10:00 a.m.

Trustees Present:

Mick Sudbury, Chairman
Jeff White
Dan Stewart, excused

Staff Present:

Clint Dilley, General Manager
LeIsle Fitzgerald, District Controller
Trevor Andra, District Engineer
Dallas Henline, Wastewater Operations Manager
Raymond Mondragon, Water Operations Manager
Andrew Sumsion, HR Manager
Steve Clark, Water Operations Manager Assistant

Also Present:

Nathan Bracken, Smith Hartvigsen PLLC, excused
Dan Peay, Magna
Marie Owens, AE2S Engineering
Clint Rogers, Stantec Engineering
Nate Rogers, Bowen Collins Associates

Welcome the Public and Guests: Chairman welcomed those in attendance.

Pledge of Allegiance: Chairman lead those in attendance in the Pledge of Allegiance.

Public Comment: None.

Chairman asked if any of the staff or board members had a conflict of interest with anything on this agenda. There were no conflicts of interest.

Approval of Common Consent Items:

Minutes of the regular board meeting held October 10, 2024

Expenses for September 30 to November 3, 2024:

General Expenses: \$1,349,912.02
Zions Bank Bond Payment: \$343,324.25

A motion was made by Jeff White, seconded by Mick Sudbury, to approve the minutes of the regular board meeting held October 10, 2024, and the general expenses from September 30 to November 3, 2024, and the Zions Bank Bond payment in the amount of \$1,349,912.02 and \$343,324.25; respectively. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea.

EMPLOYEE RECOGNITION

Andrew Sumsion and the rest of Management recognized the following individuals for passing certifications:

- Mark Manzanares – Wastewater Collections Grade I
- Justin Long – Water Treatment Grade 4
- Travis Rawson – Water Distribution Grade 4
- Gavin Henshaw – Water Distribution Grade I
- Jaydon Shepherd – Wastewater Collections Grade I
- Matthew LeCheminant – Water Distribution Grade 2

No action was taken, for full discussion please go to the board meeting recording beginning as position 2:07 to 3:20.

DEPARTMENT REPORTS

General Manager Report: Clint highlighted the following items:

- Clint reviewed staffing status and position changes.
- 8400 W 4100 S valve locating job was unsuccessful in its original goal. The valve was not located; however, the job solved the problem that locating the valve was to solve. There was another valve found closed and opening it created the loop needed.
- EDR Stack have been delivered, and training has been completed by Veolia.
- UMCR 5 sampling has been completed with no issues found.
- The wastewater treatment plant passed their 4th quarter bio-monitoring requirements.
- Working on caulking and resealing windows in the main office.
- Office staff attended the annual Caselle training conference.
- Management and Board attended the UASD Conference.

No action was taken, for full discussion please go to the board meeting recording beginning at position 3:21 to 16:36. Please also see the general manager’s report inserted in the board meeting packet.

Engineering Report:

Trevor reported on ongoing projects. No action was taken, for full discussion, please go to the board meeting recording beginning at position 16:37 to 20:58. Please also see the engineering insert in the board meeting packet.

Water Operations Report (including water production and call out report): Raymond reported the following:

- The culinary water production for the month of October was 146.43 million gallons or 449.41-acre feet, a 22.32% increase from 2023. YTD was 1,569.12 million gallons or 4,815.81-acre feet, a 9.06% increase from 2023. We have purchased 666.90-acre feet of

water from Jordan Valley Water. The secondary water production for the month of October was 34.01 million gallons or 104.38-acre feet, an 63.25% increase from 2023. YTD as was 432.40 million gallons or 1,327.10-acre feet, a 33.75% increase from 2023. Raymond reported the total number of call outs for water and wastewater departments for October was 9. The total hours paid for those call outs was 33.

- There are two out of the eight stacks at the EDR installed as of today.
- Pushing secondary water meter installations, both the construction crew and EDR crew have been working on this.
- Construction crew has been concentrating on asphalt and concrete patching before the weather turns cold.

No action was taken, for full discussion please go to the board meeting recording beginning at position 20:59 to 24:06. Please also see the water production report inserted in the board meeting packet.

Wastewater Operations Report (including status and call out report):

Dallas reported to the board the jobs and status of the wastewater treatment plant and wastewater collections operations. There were no actions taken, for full discussion, please go to board meeting recording beginning at position 24:07 to 27:57.

Controller Report/Clerk Report:

Compliance Requirements Report: LeIsle reported the district is up to date with legal requirements and internal policies.

3rd Quarter 2024 Financial Report: LeIsle reported the revenue, and expenses are all within budget as of the end of September 2024. No action was taken, for full discussion please go to the board meeting recording beginning at position 27:58 to 34:08. Please also see the controller/clerk insert in the board meeting packet.

HR Manager Report:

Andrew reported to the Board the following:

- Safety focus for the Month of November is cold weather in the workplace.
- “Employee Only” signs are being posted at District facilities.

No action was taken, for full discussion please go to the board meeting recording beginning at position 34:09 to 35:14.

PROJECT AWARDS & AGREEMENTS

Discussion and possible motion to approve the following project awards and agreements:

Award the West Side Collection System Improvement Project 1B to BD Bush in the amount of \$3,487,550: A motion was made by Jeff White, seconded by Mick Sudbury, to award the West Side Collection System Improvement Project 1B to BD Bush in the amount of \$3,487,550. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to the board meeting recording beginning at position 35:15 to 38:00.

Installation of 14” valve to be located at approximately 4100 S 8400 W by Utah Tap Master in the amount of \$46,109: A motion was made by Jeff White, seconded by Mick Sudbury, to approve installation of 14” valve to be located at approximately 4100 S 8400 W by Utah Tap Master in the amount of \$46,109. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea. For full discussion, please go to the board meeting recording beginning at position 38:01 to 40:20.

Resolution 2024-06 Approving the purchase of 6.16 acres located at 4554 S U111 Highway in West Valley City from Northrup Grumman: A motion was made by Jeff White, seconded by Mick Sudbury, to approve Resolution 2024-06 Approving the purchase of 6.16 acres located at 4554 S U111 Highway in West Valley City from Northrup Grumman, and to authorize the General Manager to take any final steps to complete and approve the purchase of the property for the price of \$3,756,614.40. The motion was approved as follows: Mick Sudbury, yea and Jeff White, yea. For full discussion, please go to the board meeting recording beginning at position 40:21 to 45:26.

ADMINISTRATIVE

Discussion and possible motion to approve the following administrative items:

Annual Employee Recognition – Employee Gift Cards: A motion was made by Jeff White, seconded by Mick Sudbury, to approve employee gift cards in the amount of \$100 each to Smith’s. The motion was approved as follows: Mick Sudbury, yea, Jeff White, yea. For full discussion, please go to the board meeting recording beginning at position 45:27 to 46:26.

For information and discussion only – no action items:

EDR Finish and Feed Tank Alternative Analysis: The EDR Finish and Feed Tank Alternative Analysis has been wrapped up. During a recent rehabilitation of the feed tank, the district identified the need for increased redundancy in the EDR plant feed and finished water storage systems. This analysis introduced three different alternatives for the district to address this issue. The recommended alternative was for the district to construct two new welded steel tanks. There was no action taken, for full discussion please go to the board meeting recording beginning at position 46:27 to 57:00. Please also see the EDR Finish & Feed Tank Alternative Analysis inserted in the board meeting packet.

District’s Employee Recognition Dinner – December 13, 2024. Andrew indicated there was an RSVP sent to all employees for the dinner. We are expecting around 50 individuals. A reminder for the Board.

Next month’s board meeting – December 12, 2024, at 10:00 am

Motion to take a brief recess and immediately following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205: Jeff White made a motion to take a brief recess and immediately

following, meet in a closed meeting to discuss (1) the character, professional competence, or physical or mental health of an individual, (2) the purchase, exchange, or lease of real property, including any form of a water right or water shares, (3) pending or reasonably imminent litigation, and (4) collective bargaining purposes pursuant to Utah Code Ann. §§ 52-4-204 through 205. The motion was seconded by Mick Sudbury, and approved as follows: Mick Sudbury, yea, and Jeff White, yea at 11:08 am.

Motion to close the closed session and to reopen the open session of the Board Meeting:

Jeff White made a motion to close the closed session and reconvene the open session at 1:58 p.m. The motion was seconded by Mick Sudbury and approved as follows: Jeff White, yea, and Mick Sudbury, yea.

Consider action on any noticed agenda item discussed in closed meeting: None

Other Business: None

Adjourn: Having no further business to discuss, a motion was made by Jeff White, seconded by Mick Sudbury, to adjourn the meeting at 2:00 pm. The motion was approved as follows: Jeff White, yea, and Mick Sudbury, yea.

Attest

Chairperson

**MINUTES OF THE
2025 BUDGET HEARING
OF THE BOARD OF TRUSTEES OF
MAGNA WATER DISTRICT**

A public hearing of the Board of Trustees of the Magna Water District was held Thursday, November 14, 2024, at 10:00 a.m., to allow the public to comment on the district's tentative 2025 budget, at the Magna Water District General Office, Kim Bailey Board Room, located at 8885 West 3500 South, Magna, UT.

Call to Order: Mick Sudbury called the meeting to order at 10:00 a.m.

Trustees Present:

Mick Sudbury, Chairman
Jeff White
Dan Stewart, excused

Staff Present:

Clint Dilley, General Manager
LeIsle Fitzgerald, District Controller
Trevor Andra, District Engineer
Raymond Mondragon, Water Operations Manager
Steve Clark, Water Operations Manager Assistant
Dallas Henline, Wastewater Operations Manager
Andrew Sumsion, HR Manager

Also Present:

Nathan Bracken, Smith Hartvigsen PLLC, excused
Dan Peay, Magna
Marie Owens, AE2S Engineering
Clint Rogers, Stantec Engineering
Nate Rogers, Bowen Collins Associates

Welcome the Public and Guests: Chairman welcomed those in attendance.

Chairman read the following for proof of legal notification requirements.

Verification that legal notification requirements have been met:

Notice of this public hearing was placed on the Public Meeting Notice Website on 10/29/2024, on the district's website on 10/29/2024, and posting the notice three public places within the district's boundaries on 11/05/2024. The 2025 Tentative Budget has been available for public inspection since 10/29/2024. All requirements for notice of this public hearing were duly given according to Utah law.

Motion to open public comment session: A motion was made by Jeff White, seconded by Mick Sudbury, to open the public comment session at 10:01 a.m. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea.

Call upon individuals who have completed and submitted a request card to address the Board of Trustees: There were no submitted requests to address the Board.

Motion to close public comment session: A motion was made by Jeff White, seconded by Mick Sudbury, to close the public comment session, due to no public present, at 10:01 a.m. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea.

Board discussion if needed: There was no Board discussion needed.

Discussion of any updates, changes, and/or modifications to the 2025 Tentative Budget: Staff explained there were a few changes to the tentative budget presented last month. There was a repair and maintenance item added to the secondary water budget in the amount of \$910,000 for dredging the secondary reservoir zone 1, a deletion of the capital acquisition of the EDR Additional Diesel Con Vault in the water department for \$32,000, and an addition of the capital acquisition of the Shop Bathroom Upgrade and Remodel in the water department for \$50,000.

Consider approval of Resolution 2024-05 Adopting the District’s 2025 Final Budget as amended: A motion was made by Jeff White, seconded by Mick Sudbury, to approve Resolution 2024-05 Adopting the District’s 2025 Tentative Budget as amended as the 2025 Final Budget. The motion was approved as follows: Mick Sudbury, yea, and Jeff White, yea.

Adjourn Public Hearing: A motion was made by Jeff White, seconded by Mick Sudbury, to adjourn the Public Budget Hearing at 10:06 am. The motion was approved as follows: Jeff White, yea, and Mick Sudbury, yea.

Attest

Chairperson

**INVOICE
PAYMENTS**

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
11/04/2024 TO 12/01/2024**

Check Issue Date	Payee	Amount	Description
11/4/2024	JOHN HANCOCK LIFE INSURANCE CO.	1,670.40	INSURANCE
11/5/2024	CLARK, STEVE	52.93	UASD PER DIEM & MILEAGE
11/5/2024	DAN STEWART	152.93	UASD PER DIEM & MILEAGE
11/5/2024	FUEL NETWORK	6,076.53	FUEL FOR VEHICLES
11/5/2024	LEISLE FITZGERALD	105.86	UASD PER DIEM & MILEAGE
11/5/2024	LOUMIS CDL TESTING	1,575.00	CDL TESTING
11/5/2024	REGENCE BCBS OF UTAH	14,675.38	INSURANCE
11/5/2024	RICOH USA , INC	163.49	PRINTER CARTRIDGES
11/5/2024	ROCKY MOUNTAIN POWER CO.,	36,356.48	POWER 7650 W 2100 S
11/5/2024	SUDBURY, MICKEY	152.93	UASD PER DIEM & MILEAGE
11/5/2024	VESTIS	69.10	EDR UNIFORMS
11/5/2024	VESTIS	26.89	EDR SUPPLIES & MATS
11/5/2024	VESTIS	75.65	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	97.84	ADMIN OFFICE MATS & SUPPLIES
11/5/2024	VESTIS	205.61	WWTP UNIFORMS
11/5/2024	VESTIS	69.10	EDR UNIFORMS
11/5/2024	VESTIS	26.89	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	108.35	SHOP UNIFORMS
11/5/2024	VESTIS	97.84	ADMIN OFFICE MATS & SUPPLIES
11/5/2024	VESTIS	240.82	WWTP UNIFORMS
11/5/2024	VESTIS	69.10	EDR UNIFORMS
11/5/2024	VESTIS	26.89	EDR SUPPLIES & MATS
11/5/2024	VESTIS	73.95	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	97.84	ADMIN OFFICE MATS & SUPPLIES
11/5/2024	VESTIS	207.87	WWTP UNIFORMS
11/5/2024	VESTIS	69.10	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	26.89	EDR SUPPLIES & MATS
11/5/2024	VESTIS	97.41	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	97.84	ADMIN OFFICE MATS & SUPPLIES
11/5/2024	VESTIS	203.93	WWTP UNIFORMS
11/5/2024	VESTIS	64.58	EDR UNIFORMS
11/5/2024	VESTIS	26.89	EDR SUPPLIES & MATS
11/5/2024	VESTIS	142.78	SHOP MATS & SUPPLIES
11/5/2024	VESTIS	97.84	ADMIN OFFICE MATS & SUPPLIES
11/5/2024	VESTIS	306.86	WWTP UNIFORMS
11/5/2024	WHITE, JEFF	152.93	UASD PER DIEM & MILEAGE
11/6/2024	INDUSTRIAL CONTAINER SERVICES, LLC	4,495.00	EMPTY POLYMER TOTE RETURNS
11/6/2024	KEN GARFF FORD WEST VALLEY	276.87	DIFF OILS- #8
11/6/2024	LAWSON PRODUCTS, INC.	218.26	AIR TOOLS - SHOP
11/6/2024	LEVERAGE IT SOLUTIONS	5,000.00	NEW SERVER
11/6/2024	MORGAN ASPHALT	374.22	ASPHALT REPAIRS
11/6/2024	RHINO PUMPS	6,074.00	REPLACEMENT EBARA PUMP-WWTP
11/6/2024	S.L.CO. ENGINEERING DIVISION	875.00	PERMIT FEES
11/6/2024	STAPLES BUSINESS CREDIT	58.79	OFFICE SUPPLIES- OFFICE
11/6/2024	STAPLES BUSINESS CREDIT	3.79	OFFICE SUPPLIES- WWTP
11/6/2024	STAPLES BUSINESS CREDIT	31.10	OFFICE SUPPLIES- WWTP
11/6/2024	STAPLES BUSINESS CREDIT	51.58	OFFICE SUPPLIES- WWTP
11/6/2024	VANGUARD CLEANING SYSTEMS	650.00	CLEANING - OFFICE
11/6/2024	VANGUARD CLEANING SYSTEMS	350.00	CLEANING - WWTP ADMIN OFFICE
11/6/2024	VANGUARD CLEANING SYSTEMS	542.00	CLEANING- EDR OFFICE
11/6/2024	WHITMORE, AMANDA	95.00	REIMBURSEMENT FOR NOTARY
11/7/2024	UTAH BARRICADE COMPANY	360.00	BARRICADE RENTAL
11/8/2024	UTAH-IDAHO TEAMSTERS SECURITY FUND	43,386.00	UNION HEALTH & WELFARE
11/10/2024	AIRGAS	6.00	ACETYLENE & OXYGEN RENTAL CYLINDERS
11/10/2024	AIRGAS	72.00	ARGON RENTAL CYLINDER
11/10/2024	SIGN NOW	48.15	ONLINE APPLICATIONS
11/10/2024	SIGN NOW	192.60	ONLINE APPLICATIONS
11/10/2024	SIGN NOW	192.60	ONLINE APPLICATIONS
11/10/2024	AMAZON CAPITAL SERVICES	1,250.00	WELLNESS GIFT CARDS
11/10/2024	APPLICANT PRO	175.90	JOB LISTINGS
11/10/2024	BLUELINE SERVICES	147.00	RANDOM DRUG TESTING
11/10/2024	CASELLE	2,474.00	MONTHLY CONTRACT SUPPORT
11/10/2024	INTERMOUNTAIN WORKMED	79.00	POST ACCIDENT DRUG TESTING
11/10/2024	NATIONAL BENEFIT SERVICES	52.00	HRA PLAN ADMIN FEE-SEPT
11/10/2024	NATIONAL BENEFIT SERVICES	52.00	HRA PLAN ADMIN FEE -OCT
11/10/2024	BANKCARD	255.92	BOARD MEETING LUNCH
11/10/2024	PURCHASE POWER	451.50	POSTAGE
11/10/2024	REPUBLIC SERVICES	1,897.90	GARBAGE REMOVAL-WWTP
11/10/2024	REPUBLIC SERVICES	511.85	GARBAGE REMOVAL-EDR/SHOP
11/10/2024	ROCKY MOUNTAIN CARE CLINIC	65.00	DOT PHYSICAL FOR C. MCREYNOLDS

MAGNA WATER DISTRICT

INVOICE PAYMENTS

11/04/2024 TO 12/01/2024

Check Issue Date	Payee	Amount	Description
11/10/2024	ROCKY MOUNTAIN CARE CLINIC	45.00	RANDOM DRUG TESTING
11/10/2024	ROCKY MOUNTAIN CARE CLINIC	65.00	DOT PHYSICAL
11/10/2024	SHRED IT	79.67	DOCUMENT SHREDDING
11/10/2024	BANKCARD	1,392.00	PLOW TRUCK SALT SPREADER
11/10/2024	SMITH HARTVIGSEN, PLLC	206.50	EMPLOYMENT LAW & OTHER CONFIDENTIAL MATTER
11/10/2024	SMITH HARTVIGSEN, PLLC	1,339.50	GENERAL LEGAL MATTERS
11/10/2024	BANKCARD	31.59	EMPLOYEES ONLY SINAGE
11/10/2024	TRUGREEN	187.20	WWTP LANDSCAPE SERVICE
11/10/2024	UTAH BROADBAND	1,153.00	BROADBAND/INTERNET SERVICES
11/10/2024	VERIZON WIRELESS	409.98	CELLPHONE SERVICES
11/10/2024	WATER ENVIRONMENT ASSC OF UTAH	300.00	WEAU MID-YEAR CONFERENCE
11/10/2024	WEST VALLEY CITY	130.20	EDR STORMWATER FEE
11/10/2024	ZAYO	2,522.87	TELEPHONE/INTERNET SERVICES-SEPT
11/10/2024	ZAYO	2,553.68	TELEPHONE/INTERNET SERVICES-OCT
11/12/2024	ALLSTATE	478.27	INSURANCE
11/12/2024	WESTERN CONF TEAMSTERS PENSION	27,674.25	UNION PENSION CONTRIBUTION
11/13/2024	AMAZON CAPITAL SERVICES	162.98	COLD WEATHER GEAR -COLL CREW
11/13/2024	AMAZON CAPITAL SERVICES	499.99	ENGINE HEATER- GENERATOR- 7600 W BOOSTER
11/13/2024	CHEMTECH-FORD	338.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	710.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	178.00	WATER LAB & TESTING
11/13/2024	CHEMTECH-FORD	502.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	358.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	454.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	338.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	600.00	WATER LAB & TESTING
11/13/2024	CHEMTECH-FORD	454.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	338.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	454.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	338.00	WWTP LAB & TESTING
11/13/2024	CHEMTECH-FORD	640.00	WATER LAB & TESTING
11/13/2024	CHEMTECH-FORD	60.00	WATER LAB & TESTING
11/13/2024	CHEMTECH-FORD	600.00	WATER LAB & TESTING
11/13/2024	DELCO WESTERN	400.00	REPAIR EFFLUENT NON-POTABLE PUMP
11/13/2024	DOMINION ENERGY	515.35	NATURAL GAS 6850 W 2820 S
11/13/2024	DOMINION ENERGY	57.24	NATURAL GAS 6026 PARKWAY BLVD
11/13/2024	E.T. TECHNOLOGIES, INC	1,067.98	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,585.57	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,776.00	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,398.38	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	732.13	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,914.97	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	2,351.76	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,146.79	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,856.05	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,105.52	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,888.36	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	659.54	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,551.27	SLUDGE REMOVAL
11/13/2024	E.T. TECHNOLOGIES, INC	1,101.30	SLUDGE REMOVAL
11/13/2024	EXODOUS HEALTHCARE NETWORK	425.00	FLU SHOTS
11/13/2024	HAULAGE CONSTRUCTION	3,854.00	EXTERIOR STAIRWELL SEALANT-ADMIN BLDG
11/13/2024	HAULAGE CONSTRUCTION	5,623.20	CAULT & SEALANT WINDOW FRAMES- ADMIN OFFICE
11/13/2024	JORDAN VALLEY WATER	32,092.14	WATER DELIVERIES OCT 2024
11/13/2024	KUKER RANKEN, INC.	6,509.50	SMART ANTENNA & MOUNTING POLE
11/13/2024	LEVERAGE IT SOLUTIONS	2,160.00	MONTHLY MAINTENANCE FEES-OCT
11/13/2024	LEVERAGE IT SOLUTIONS	447.00	MISC SUPPLIES- PHONE SYSTEM UPGRADE
11/13/2024	LEVERAGE IT SOLUTIONS	2,272.85	BARRICUDA BACKUP ANNUAL RENEWAL
11/13/2024	MC CONTRACTORS	1,800.00	HYDRANT METER DEPOSIT REFUND
11/13/2024	METERWORKS	10,954.75	NEPTUNE 360 AMR MODULE SUBSCRIPTION
11/13/2024	METERWORKS	27,000.00	NEPTUNE R900 GATEWAY FOR AMI READING
11/13/2024	METERWORKS	654.50	INSTALLATION WATER METER
11/13/2024	MID ATLANTIC TRUST COMPANY	3,531.22	401(K)
11/13/2024	PACE ANALYTICAL SERVICES, INC.	971.00	UCMR 5 TESTING
11/13/2024	READY MADE CONCRETE, INC.	835.75	CONCRETE FOR REPAIR PATCHES
11/13/2024	RHINEHART OIL COMPANY	1,296.89	OIL- HIGH SERVICE PUMP MOTORS-EDR
11/13/2024	RULON HARPER CONSTRUCTION, INC	133.88	GRAVEL & ROADBASE
11/13/2024	SENERGY PETROLEUM	1,459.50	OIL -GEARBOXES- WWTP
11/13/2024	STEVE REGAN CO.	673.26	WATER TANK & PARTS-SAW TRAILER
11/13/2024	STEVE REGAN CO.	235.24	WATER TANK & PARTS- SAW TRAILER

**MAGNA WATER DISTRICT
INVOICE PAYMENTS
11/04/2024 TO 12/01/2024**

Check Issue Date	Payee	Amount	Description
11/13/2024	THATCHER COMPANY	(7,803.96)	CHEMICALS
11/13/2024	THATCHER COMPANY	7,659.63	CHEMICALS
11/13/2024	THATCHER COMPANY	7,649.08	CHEMICALS
11/13/2024	THATCHER COMPANY	8,539.75	CHEMICALS
11/13/2024	THATCHER COMPANY	7,796.75	CHEMICALS
11/13/2024	THATCHER COMPANY	15,549.93	CHEMICALS
11/13/2024	THATCHER COMPANY	(2,100.00)	CHEMICALS
11/13/2024	THATCHER COMPANY	(7,500.00)	CHEMICALS
11/13/2024	THE LINCOLN NATIONAL LIFE	731.10	INSURANCE
11/14/2024	DOMINION ENERGY	29.54	GAS FOR 8931 W 3500 S MAGNA UT
11/14/2024	DOMINION ENERGY	444.36	GAS FOR 7650 W 2100 S
11/14/2024	DOMINION ENERGY	92.26	GAS FOR 8885 W 3500 S
11/15/2024	DOMINION ENERGY	10.43	GAS FOR 3291 S 8000 W MAGNA UT
11/15/2024	IPS	142.80	T&A MONTHLY FEE-OCTOBER
11/18/2024	BLUELINE SERVICES	147.00	RANDOM DRUG TEST
11/18/2024	HARRINGTON INDUSTRIAL PLASTICS	73.23	PIPING- FILTER HOUSING- #1 CHLORINE ANALYZER
11/18/2024	ROCKY MOUNTAIN POWER CO.,	1,418.35	POWER BOOSTER STATEION
11/18/2024	ROCKY MOUNTAIN POWER CO.,	39,915.48	POWER BARTON 1 & 2
11/18/2024	ROCKY MOUNTAIN POWER CO.,	3,261.23	POWER HAYNES WELL
11/19/2024	ELITE GROUNDS, LLC	1,104.56	LANDSCAPE- ADMIN OFFICE
11/19/2024	ELITE GROUNDS, LLC	971.97	LANDSCAPE- WWTP
11/19/2024	OSINC, INC	197.50	UNIFORM BOOTS
11/19/2024	ROCKY MOUNTAIN POWER CO.,	38.67	POWER 3500 TANKS
11/19/2024	ROCKY MOUNTAIN POWER CO.,	18.30	POWER BACCHUS TANKS
11/19/2024	ROCKY MOUNTAIN POWER CO.,	2,030.67	POWER SECONDARY RES PUMP
11/19/2024	ROCKY MOUNTAIN POWER CO.,	1,173.41	POWER SHALLOW WELLS
11/19/2024	ROCKY MOUNTAIN POWER CO.,	5,159.70	POWER ZONE 3 PUMP CULINARY
11/19/2024	ROCKY MOUNTAIN POWER CO.,	352.87	POWER CEMENT BLDG SHOP
11/19/2024	ROCKY MOUNTAIN POWER CO.,	2,139.63	POWER 7600 RESERVOIR
11/19/2024	ROCKY MOUNTAIN POWER CO.,	12.03	POWER JORDAN VALLEY
11/19/2024	VEOLIA WTS SOLUTIONS USA, INC.	9,900.00	ANION
11/20/2024	HACH COMPANY	718.82	SUPPLIES FOR LAB IN-HOUSE SAMPLES
11/20/2024	HACH COMPANY	328.44	SUPPLIES FOR LAB IN-HOUSE SAMPLES
11/20/2024	HACH COMPANY	421.44	HACH BUFFER CL-17 CHLORINE ANALYZER
11/21/2024	ADVANCED ENGINEERING & ENVIR. SERVICES	23,809.50	SCADA UPGRADES DESIGNS & BIDDING
11/21/2024	ADVANCED ENGINEERING & ENVIR. SERVICES	42,735.75	WTP STORAGE TANK
11/21/2024	ADVANCED ENGINEERING & ENVIR. SERVICES	1,769.00	MAGNA WD SIU AGREEMENT NORTHRUP
11/21/2024	ADVANCED ENGINEERING & ENVIR. SERVICES	2,599.50	LEAD & COPPER RULE REVISION SUPPORT
11/21/2024	ADVANCED ENGINEERING & ENVIR. SERVICES	16,138.50	8800 W WATER REPLACEMENT
11/21/2024	APEX LAND SURVEYORS	2,200.00	LICENSED SURVEYOR
11/21/2024	HAULAGE CONSTRUCTION	6,960.00	REPAIR EXTERIOR SEAMS - ADMIN OFFICE
11/21/2024	IGES, INC.	432.75	WWTP REUSE FACILITY - MATERIALS TESTING
11/21/2024	IGES, INC.	214.95	MWD MATERIALS TESTING GENERIC
11/21/2024	LANDMARK COMPANIES	22,835.00	FRONT OFFICE REMODEL- ADMIN OFFICE
11/21/2024	LANDMARK COMPANIES	1,495.00	SHELVING & PAINTING- ADMIN OFFICE
11/21/2024	PECK'S PAINTING LLC	3,200.00	Paint Exterior 8000 Booster Station
11/21/2024	TERRACON CONSULTANTS, INC.	14,510.00	REG SUPPORT,MTGS,FINALIZATION- LIMITED SITE INVESTIGATIONS
11/21/2024	VEOLIA WTS SOLUTIONS USA, INC.	530,708.00	EDR STACK REPLACEMENT
11/25/2024	INDUSTRIAL SUPPLY CO., INC.	159.97	GLOVES & RAIN GEAR- WWTP
11/25/2024	INDUSTRIAL SUPPLY CO., INC.	347.96	GLOVES & RAIN GEAR- WWTP
11/25/2024	MID ATLANTIC TRUST COMPANY	4,118.86	401(K)
11/25/2024	OSINC, INC	199.95	UNIFORM BOOTS
11/25/2024	USA BLUEBOOK	904.18	DIPPER HANDLES, CUPS, SKIMMING NETS- WWTP
11/26/2024	BUCHANAN ACCESS SYSTEMS, LLC	563.00	REPAIR GATES- WWTP
11/27/2024	SMITH HARTVIGSEN, PLLC	3,249.00	GENERAL LEGAL MATTERS
11/27/2024	SMITH HARTVIGSEN, PLLC	118.00	EMPLOYMENT LAW & OTHER CONFIDENTIAL MATTER
11/27/2024	SMITH HARTVIGSEN, PLLC	256.50	LEGISLATIVE MATTERS
11/27/2024	UTAH BARRICADE COMPANY	372.00	RENTAL OF BARRICADES
11/29/2024	BLUE STAKES OF UTAH 811	418.60	EMAIL NOTIFICATIONS - OCTOBER
		\$ 1,085,100.26	

VENDOR NAME	AMOUNT	YTD Totals
ADVANCED ENGINEERING & ENVIR. SERVICES	87,052.25	256,030.42
AIRGAS	78.00	1,924.98
ALLSTATE	478.27	5,260.97
AMAZON CAPITAL SERVICES	1,912.97	3,368.85
APEX LAND SURVEYORS	2,200.00	4,840.00
APPLICANT PRO	175.90	1,742.92
BANKCARD CENTER	1,679.51	1,679.51
BLUE STAKES OF UTAH 811	418.60	6,178.94
BLUELINE SERVICES	294.00	2,175.20
BUCHANAN ACCESS SYSTEMS, LLC	563.00	3,549.00
CASELLE	2,474.00	28,529.00
CHEMTECH-FORD	6,362.00	84,723.00
CLARK, STEVE	52.93	376.93
DAN STEWART	152.93	241.43
DELCO WESTERN	400.00	12,595.84
DEPT OF GOVERNMENT OPER	6,076.53	64,196.97
DOMINION ENERGY	1,149.18	104,227.49
E.T. TECHNOLOGIES, INC	20,135.62	150,759.98
ELITE GROUNDS, LLC	2,076.53	24,161.05
EXODOUS HEALTHCARE NETWORK	425.00	425.00
HACH COMPANY	1,468.70	9,030.08
HARRINGTON INDUSTRIAL PLASTICS	73.23	1,991.93
HAULAGE CONSTRUCTION	16,437.20	16,437.20
IGES, INC.	647.70	22,292.62
INDUSTRIAL CONTAINER SERVICES, LLC	4,495.00	4,495.00
INDUSTRIAL SUPPLY CO., INC.	507.93	1,860.55
INTERMOUNTAIN WORKMED	79.00	79.00
IPS	142.80	1,332.93
JOHN HANCOCK LIFE INSURANCE CO.	1,670.40	1,670.40
JORDAN VALLEY WATER	32,092.14	337,074.82
KEN GARFF FORD WEST VALLEY	276.87	962.83
KUKER RANKEN, INC.	6,509.50	6,509.50
LANDMARK COMPANIES	24,330.00	24,330.00
LAWSON PRODUCTS, INC.	218.26	4,708.23
LEISLE FITZGERALD	105.86	906.18
LEVERAGE IT SOLUTIONS	9,879.85	65,150.57
LOUMIS CDL TESTING	1,575.00	3,150.00
MC CONTRACTORS	1,800.00	1,800.00
METERWORKS	38,609.25	745,960.74

VENDOR NAME	AMOUNT	YTD Totals
MID ATLANTIC TRUST COMPANY	7,650.08	243,908.56
MORGAN ASPHALT	374.22	8,585.00
NBS	104.00	44,051.00
OSINC, INC	397.45	3,858.35
PACE ANALYTICAL SERVICES, INC.	971.00	5,811.00
PECK'S PAINTING LLC	3,200.00	3,200.00
PURCHASE POWER	451.50	2,716.50
READY MADE CONCRETE, INC.	835.75	2,589.50
REGENCE BCBS OF UTAH	14,675.38	177,544.60
REPUBLIC SERVICES	2,409.75	28,348.02
RHINEHART OIL COMPANY	1,296.89	1,396.85
RHINO PUMPS	6,074.00	91,334.39
RICOH USA , INC	163.49	3,723.18
ROCKY MOUNTAIN CARE CLINIC	175.00	2,587.00
ROCKY MOUNTAIN POWER CO.,	91,876.82	910,475.52
RULON HARPER CONSTRUCTION, INC	133.88	6,530.11
S.L.CO. ENGINEERING DIVISION	875.00	17,875.00
SENERGY PETROLEUM	1,459.50	3,145.97
SHRED IT	79.67	1,002.80
SIGN NOW	433.35	2,443.73
SMITH HARTVIGSEN, PLLC	5,169.50	37,474.50
STAPLES BUSINESS CREDIT	145.26	4,166.20
STEVE REGAN CO.	908.50	4,162.46
SUDBURY, MICKEY	152.93	658.17
TERRACON CONSULTANTS, INC.	14,510.00	48,250.00
THATCHER COMPANY	29,791.18	334,650.84
THE LINCOLN NATIONAL LIFE	731.10	8,042.10
TRUGREEN	187.20	936.00
USA BLUEBOOK	904.18	7,254.95
UTAH BARRICADE COMPANY	732.00	4,755.15
UTAH BROADBAND	1,153.00	12,483.52
UTAH-IDAHO TEAMSTERS SECURITY FUND	43,386.00	469,498.50
VANGUARD CLEANING SYSTEMS	1,542.00	20,046.00
VEOLIA WTS SOLUTIONS USA, INC.	540,608.00	710,203.00
VERIZON WIRELESS	409.98	4,641.20
VESTIS	2,627.86	9,934.15
WATER INVIRONMENT ASSC OF UTAH	300.00	300.00
WEST VALLEY CITY	130.20	1,502.00
WESTERN CONF TEAMSTERS PENSION	27,674.25	312,799.98

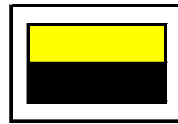
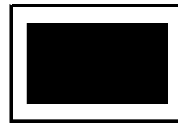
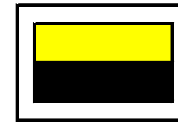
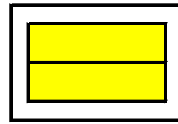
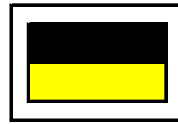
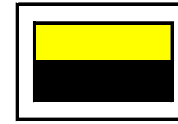
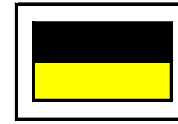
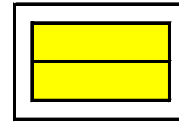
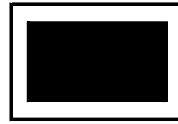
VENDOR NAME	AMOUNT	YTD Totals
WHITE, JEFF	152.93	152.93
WHITMORE, AMANDA	95.00	6,978.12
ZAYO	5,076.55	29,867.88
TOTALS	1,085,100.26	5,596,614.79

**MAGNA WATER DISTRICT
ZIONS BANK BOND PAYMENT
11/04/2024 TO 12/01/2024**

Check Issue Date	Payee	Amount	Description
11/4/2024	ZIONS FIRST NATIONAL BANK	83,492.50	5436869-BOND SER 2013
		\$ 83,492.50	

EMPLOYEE RECOGNITION

EDR Chemical Room
current lighting



North Wall

EDR CHEMICAL ROOM LIGHTING

September 19, 2024

OVERVIEW

1. Project Description and Requirements

- ✓ Currently lighting is useable but dim. There are 28 light fixtures in the room. Out of 56 bulbs only 17 are working resulting in about 30% of lighting in whole room.

However, the lighting is about 26 ft in air not accessible with a ladder.

- ✓ Will most like require a use of a 40–45-foot articulating Boom. In order to reach fixtures that are about 26 feet in the air and requiring a horizontal reach of 17 – 23 feet in most areas above tanks within walled areas.

***Estimated rental cost is around \$550/day.

***Estimated time needed is 1 day

Will require 56 Bulbs (Think they are T12 but maybe T8)

***T12 around \$5.75/ea. Total \$333.50

***T8 around \$4/ea. Total \$232.00

2. Workers

- ✓ Ed and Matt, unless decided to have work outsourced.

3. High-level timeline/schedule

- ✓ Work should be achievable in only one day. If we have correct type of bulbs.

APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Approved By

Date

MANAGER'S REPORT



MEMO

TO: MWD Board of Directors
FROM: Clint Dilley, P.E., General Manager
DATE: 12/04/24 (December 12th Board Meeting)
RE: Report and Discussion from General Manager

PURPOSE OF MEMO

The purpose of this memo is to provide the Magna Water District (MWD) Board of Directors a general report from the General Manager and associated discussion with input from rest of management team to keep the board abreast of general matters in the District. The format of the memo will primarily be a list of bullet points to assist guiding the discussion in the board meeting.

REPORT FROM GENERAL MANAGER

After discussions with the board and management team we have focused our efforts on three main areas including 1) Staffing 2) Operations and 3) Communication as outlined in the following sections.

STAFFING

- Water Operations
 - Two Service Maintenance positions on construction crew have been posted outside & interviews have begun
- Wastewater Operations
 - One Service Maintenance position on collections crew has been posted outside & interviews have begun

OPERATIONS

- Water Operations
 - Install of an inline hot tap style valve recommended at corner of 8400 West 4100 South on next board agenda
 - 4 out of 8 of the new EDR stacks have been installed by staff as of last week
 - Finished up UCMR 5 sampling requirements with no PFAS detected in source water which is very positive finding
 - Property purchases have been successfully completed for the future drinking water Zone 1 reservoirs and a Zone 3 secondary reservoir
- WWTP Operations
 - Replacing rupture disc valve in brine vault
 - Working on bypass connection from east and west sewer interceptor into plant in next week as part of influent lift station project

- WWTP crews working on additional alum sampling in preparation for diversion of effluent to reuse water
- Office
 - Yoppify customer notification platform currently being installed and should be up and running in next few weeks
 - Completed roof & fascia repairs in office building last week
 - Front meeting room conference table and chairs have been ordered
- Delinquent accounts
 - October 2024
 - Accounts that are delinquent: 714
 - Total of all delinquent accounts: \$109,509.90
 - Average delinquent account balance: \$153.37
 - Pink notices sent out = 367
 - Pink notices were 57% effective
 - Red notices were 97% effective as of 10/31/24
 - September 2024
 - Accounts that are delinquent: 727
 - Total of all delinquent accounts: \$97,875.68
 - Average delinquent account balance: \$134.63
 - Pink notices sent out = 444
 - Pink notices were 64% effective
 - Red notices were 94% effective as of 9/23/24
 - August 2024
 - Accounts that are delinquent: 665
 - Total of all delinquent accounts: \$85,848.83
 - Average delinquent account balance: \$129.09
 - Pink notices sent out = 280
 - Pink notices were 55% effective
 - Red notices were 96% effective as of 8/15/24

COMMUNICATION & MORALE

- Continue working toward improving communication w/ board members & community partners
 - Board & Mgmt attended & completed UASD conference training & certification
 - Mgmt team joined web meeting with JVWCD & other district on 11/5/24 to discuss fluoride issue
- Work to improve communication & morale with employees
 - Inaugural safety committee members will be recognized for their service to the District at January board meeting
- Work to improve communication with customers
 - Thorough and prompt response to customer concerns and complaints
 - A few customer calls on 8950 W leak – notification of emergency water shutoff

ENGINEERING REPORT

Engineering Report (Updated 12/04/24)

Capital and General Engineering Projects

- 2023 Water line replacement project
 - 8850 W. & 9000 W.
 - Complete
- **WRF Reuse Project**
 - Working on final items, landscape, sitework, clean interior
- **Influent Pump Station**
 - Processing submittals and RFI's
 - **Breaking Ground on Grit Building**
 - **Grubbing Pump Station Site**
 - **Preparing for by-pass on East & West Trunk lines**
 - Equipment Pre-procurement
 - Screw Pumps delivered
 - Grit Washers
- **WWTP Facility Plan Update**
 - WWTP model complete
 - Facility assessment complete
 - **Final Report Winter 2025**
- **Haynes Well #8 Replacement**
 - Well drilling and casing design complete
 - Pump house design complete
 - Working on paperwork and agreement for \$1.31 million grant
 - Submitted work plan and cost estimate to EPA for review
- **Haynes Well #7 Rehabilitation**
 - **State Review of plan December**
 - **Bid December – January**
 - **Start Feb/March 2025 so well is ready for service in summer 2025**
- West Side Collection Phase 1B Project
 - **Awarded to BD Bush Excavation for Pilot Tube crossing method**
 - **Anticipate February/March Start on open cut portion**
- Truck Garage
 - Adjust size to 4 bays
- Solids Handling Building Expansion
 - Plan review in progress
- **Change House**
 - **Alternative Analysis presenting to Board in December.**
- Zone 3 Secondary Water Reservoir
 - **Property acquired**
 - Design 80% complete.
- **Lobby Office**
 - **Table and Chairs ordered (late December to early January Delivery)**

WATER MANAGER'S REPORT

Water Production Report & Callout Report

November 2024

Water Production Summary

The culinary water production for the month of November was 94.35 million gallons or 289.56-acre feet, a 5.69% increase from 2023. YTD was 1,663.47 million gallons or 5,105.37-acre feet, a 8.9% increase from 2023.

We have purchased 735.27-acre feet of water from Jordan Valley Water.

Callout Report – Water and Wastewater Combined

Total number of call outs - 10

Water – 7

Wastewater – 3

Total Hours for call outs – 36

Water – 24

Wastewater – 12

Mainline Leak – 2

Service Line Leaks – 1

Miscellaneous - 7

Summary Of Water Deliveries
MAGNA WATER DISTRICT
System # 18014
Nov-24

Source	Month's Deliveries (AF)		Change %	Current Month's Gall	Deliveries YTD (AF)		Change %	YTD Gallons
	2024	2023			2024	2023		
CULINARY WATER								
Well Sources Barton and Haynes	251.72	293.12			5,058.39	4,499.91		
To Waste	29.07	30.28			598.59	544.29		
Total Finished Blend EDR	221.19	205.12			4,370.10	3,910.33		
JVWCD Magna Reading	67.32	68.10			732.48	740.72		
JVWCD	68.37	67.97			735.27	742.28		
Total Culinary Water	289.56	273.09	5.69%	94,346,756	5,105.37	4,652.61	8.87%	1,663,472,496
SECONDARY WATER								
Irrigation Well #1	-	-			231.72	106.60		
Irrigation Well #2	-	-			59.79	158.16		
Irrigation Well #3	-	-			36.55	59.66		
High Zone (secondary)	-	-			348.80	172.36		
Low Zone (secondary)	-	-			650.24	382.49		
Total secondary Usage	-	-	#DIV/0!	-	1,327.10	879.27	33.75%	432,406,339
Total Production of Water	289.56	273.09	5.69%	94,346,756	6,432.47	5,531.88	14%	2,095,878,835

* EDR Blend + Total Secondary + JVWCD = Total Production

NOVEMBER CALL OUTS

Dept.	Employee	Date	Hours	Description
SEWER	CHET DRAPER	11/5/2024	3	CHOPPER PUMPS 111 & 113 PLUGGED, CLEARED
		11/23/2024	3	CHLORINE ANALYZER 2 FAILURE. OPERATOR CAME OUT TO TROUBLESHOOT AND GET SYSTEM BACK ONLINE.
		11/24/2024	3	POWER OUTAGE AT THE PLANT. OPERATOR RESET EQUIPMENT & MONITOR GENERATOR POWER UNTIL POWER WAS RESTORED.
SEWER	BEAU LAMPER	11/5/2024	3	CHOPPER PUMPS 111 & 113 PLUGGED, CLEARED
WATER	JUSTIN LONG	11/27/2024	3	SNOW CHECK 4AM, SALT LOT & WALKS AT OFFICE
		11/2/2024	3	SERVICE LEAK, 7344 W 3100 S
EDR	JON DAVIS	11/8/2024	3	STARTED UP PLANT, TURNED ON WELLS.
WATER	MATT HUNTER	11/9/2024	3	MISSING METER LID, 2786 S 9100 W
WATER	MIKE HARMS	11/28/2024	3	POSSIBLE MAINLINE LEAK, 3273 S GETTYSBURG CIR
		11/30/2024	3	MAINLINE LEAK, 2965 S 8400W
			3	COLDSIDE SETTER LEAK, 6952 W DALMATION
WATER	GENE STOTT	11/30/2024	3	MAINLINE LEAK, 2965 S 8400W

Total Callout Hours	36
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Total Callouts	10
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Total Water/EDR Hours	24
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Total # of Water Callouts	7
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Total WWTP Hours	12
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Total WWTP Callouts	3
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LEAKS

Date	Address	Hours	Mainline/Service
11/2/2024	7344 W 3100 S	3	SERVICE
11/28/2024	3273 S GETTYSBURG	3	MAINLINE
11/30/2024	2965 S 8400 W	6	MAINLINE
	TOTAL	12	

CONTROLLER/ CLERK REPORT

COMPLIANCE OF LEGAL REQUIREMENTS AND INTERNAL POLICIES CHECK LIST

LEGAL REQUIREMENTS	DATE COMPLETED	DUE DATE	NEXT SCHEDULED FOR
Posting of Annual Schedule of Regular Board Meetings	1/1/2025	1st Monday in January	1/1/2026
Adoption of District's Annual Tentative Budget	10/10/2024	11/30/2024	10/1/2025
Annual Certification and Filing of Budget with State Auditor	11/30/2024	12/31/2024	12/31/2025
Annual Filing of Impact Fees Report with State Auditor	3/31/2024	3/31/2024	3/31/2025
Annual Filing of Financial Statements with State Auditor	6/30/2024	6/30/2024	6/30/2025
Participation in Utah Public Finance Website (transparent.utah.gov) Salaries/Benefits	1/30/2024	3/31/2024	3/31/2025
Quarterly Budget to Actual Reports provided to Board of Trustees 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter	5/16/2024 8/8/2024 11/14/2024	May July November February	05/31/2025 07/31/2025 11/30/2025 02/28/2026
Quarterly Expenditures and Revenues posted to Utah Public Transparency Website 1st Quarter 2nd Quarter 3rd Quarter 4th Quarter	4/27/2024 7/30/2024 10/31/2024	04/30/2024 07/31/2024 10/31/2024 01/31/2025	04/30/2025 7/31/2025 10/31/2025 1/31/2026
WWTP Annual Biosolids Report to State	1/16/2024	2/18/2024	2/28/2025
OSHA 300 Report - Posted & Submitted	3/2/2024	3/2/2024	3/2/2025
Board member contact information (name, phone number, and email address) posted on the Utah Public Notice Website	1/8/2024	30 days after information has changed	1/1/2025
Semi-annual Report to State Money Management Council June 30 Report December 31 Report	7/15/2024 1/25/2024	07/31/2024 01/31/2025	7/31/2025 1/31/2026
File statement with Division of Corporations re: receipt of notice of claim	1/8/2024	January	1/31/2025
File with Registry of Lieutenant Governor	5/22/2024	A year from the last filing	4/11/2025
Disclosure regarding responsibility of homeowner to repair retail water line	5/1/2024 10/31/2024	Semi-Annually	10/31/2024
Annual ET Technologies Waste Renewal Certification	4/30/2024	4/30/2024	4/30/2025
Water Use Report	3/31/2024	03/31/2024	3/31/2025

Municipal Wastewater Planning Program Report	4/11/2024	April 15	5/1/2025
Publish Consumer Confidence Report	7/1/2024	Every July 1	7/1/2025
Annual Employee Training			
Sexual Harassment & Discrimination	5/31/2024	December 31	5/31/2025
Tuition Assistance Program	On-going	During Hiring Onboarding	On-going
Fraud Awareness Training	9/1/2024	December 31	9/1/2025
Ethical Behavior	7/31/2024	December 31	7/31/2025
Preventing Violence in the Workplace	6/26/2024	December 31	6/30/2025
Annual Trustee Training			
Open and Public Meetings Act	11/30/2024	12/01/2024	11/30/2025
Utah Public Officers' and Employees' Ethics Act	11/30/2024	12/01/2024	11/30/2025
New Trustee Special and Local District training Course	11/30/2024	Within one year of Office	11/30/2025
Conflict of Interest Annual certification	4/22/2024	2/29/2024	02/29/2025
Employee Performance Evaluations	11/30/2024	12/31/2024	11/30/2025
Hotline	Ongoing	Posted on Website always	Ongoing
Annual Filing of Fraud Risk assessment with State Auditor	12/12/2024	June 30 of following year	12/31/2025
GRAMA Training Annual for Records Officer	4/9/2024	December 2024	4/9/2025
Proper Notice of Public Meetings	Ongoing	date and time	Ongoing
Appoint A Board Chair Person Annually	1/11/2024	January Regular Board Meeting	1/1/2025
Public Tax Increase Hearing	Ongoing	When Needed	Ongoing
Review Insurance/Bonding Requirements	Annually	December 2024	2025
Review Fund Balance Limitation	Annually	December 2024	2025
Imposing/Increasing Fee - Public Hearing	4/22/2021	When needed	Unknown
Copies of "Robert's Rules of Order"	ongoing	ongoing	ongoing
(b) Subject to Subsection (3)(3), a board of trustees shall: (i) adopt rules of order and procedure to govern a public meeting of the board of trustees; (ii) conduct a public meeting in accordance with the rules of order and procedure described in Subsection (3)(b)(i); and (iii) make the rules of order and procedure described in Subsection (3)(b)(i) available to the public: (A) at each meeting of the board of trustees; and (B) on the local district's public website, if available			
Meeting Minutes	Ongoing		Ongoing
Meeting Minutes and any materials distributed at the Meeting available on the Utah Public Notice Website, District website, and district office and within three business days after holding an open meeting, make an audio recording of the open meeting available to the public for listening.			

**EAGLE
MEADOWS**



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley, P.E.

December 4, 2024

Subject: Eagle Meadows – Water & Sewer Availability

We have completed our preliminary review of the proposed **Eagle Meadows** subdivision located at approximately **7615 W 3120 S**. Our determination of water and sewer availability is as follows:

EXISTING FACILITIES

- WATER** Water service is available near the development. There is a 6-inch water line located 3210 S and 7615 W, South of the proposed development, there is an 8-inch waterline in 3100 South, North of the proposed development.
- SEWER** Sewer service is available near the development. There is an 8-inch sewer main located west of the property line of the proposed development. There is an 8-inch sewer in 3210 S and a 12-inch sewer in 3100 S.
- SEC WATER** Secondary water service is not available near the development.

RECOMMENDATIONS

- WATER** Connect to the existing 6-inch water line in 3210 S and 7615 W and extend an 8-inch main through the development, loop the water line to 3100 South.
- SEWER** Connect to the existing 8-inch sanitary sewer line located in 3210 S at the manhole and run a new 8" sewer line connecting to existing sewer in 3100 South, extend the required sewer services to the lots. Abandon the existing sewer line that runs along the west boundary of the property.
- SEC WATER** Install an 8-inch main along the west side of the proposed roadway through the development. Install 12-inch secondary along 3100 S frontage.

Plans showing the water and sewer lines will need to be furnished to the District by the Developer's engineer. These Plans will need to show the location of all lines, line sizes, profile of sewer, fittings, and water service connection sizes, locations, and type.



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley, P.E.

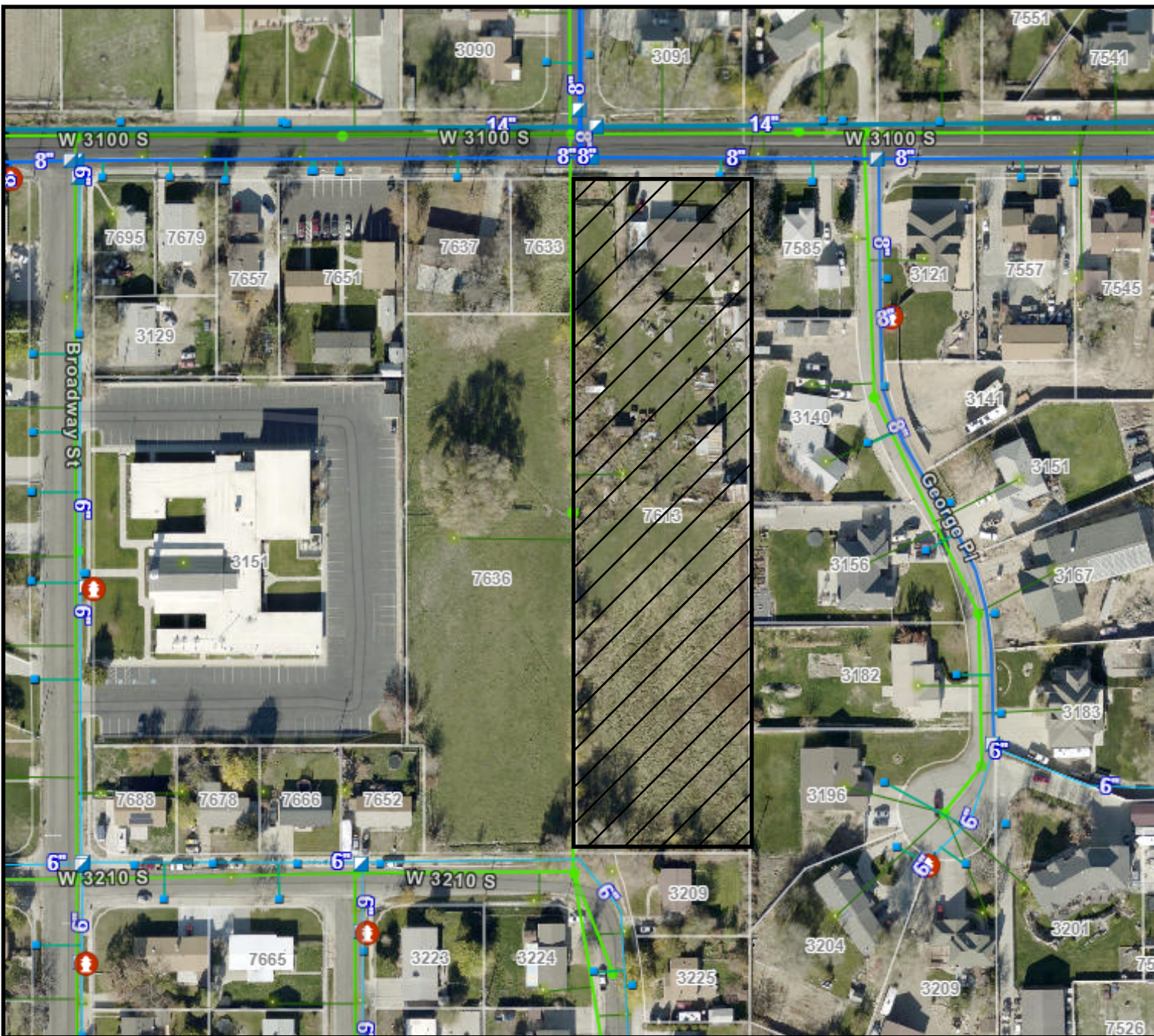
It is my recommendation that the Magna Water District Board approve providing water and sewer services to this Development. If you have any questions or concerns, please contact me at 801-250-2118.

Sincerely,

A handwritten signature in blue ink that reads "Trevor Andra". The signature is fluid and cursive.

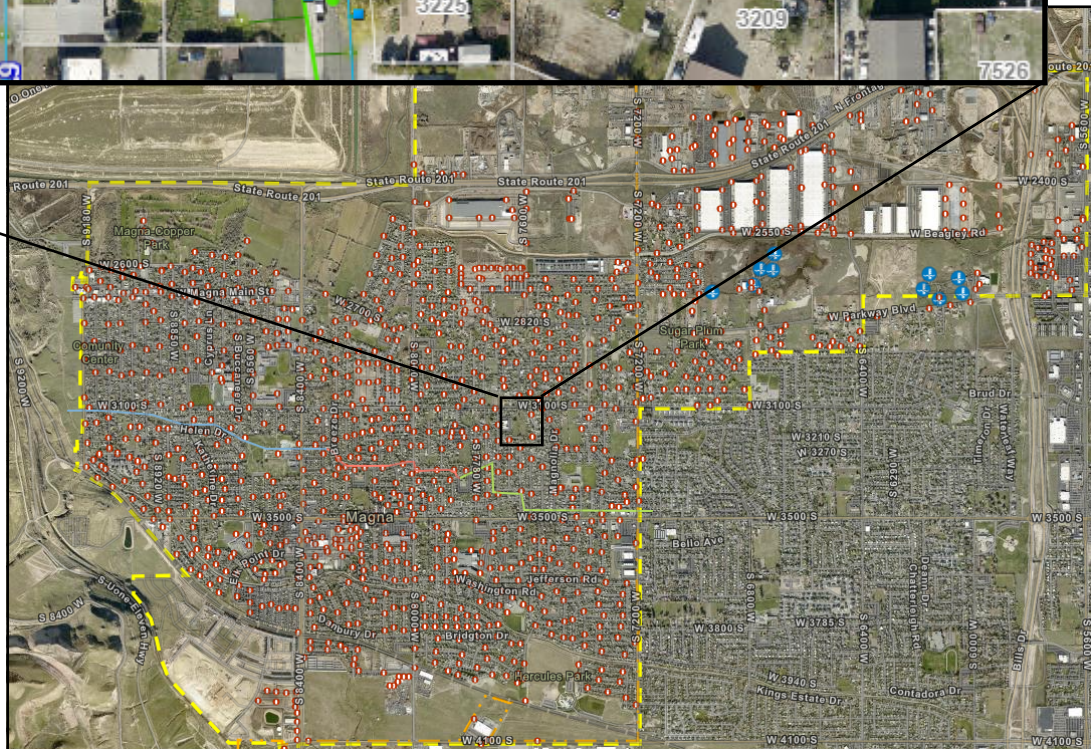
Trevor Andra P.E.
District Engineer
Magna Water District

[See attached map of project area]



Eagle Meadows
7613 W 3100 S

- Single Family Residential
- 10 Lots (9 new)



OLYMPUS INSURANCE

INSURANCE PROPOSAL

MAGNA WATER DISTRICT

EXPERTISE.

INNOVATION.

STABILITY.

CLINT DILLEY
GENERAL MANAGER

PREPARED BY
B. DARRELL CHILD
EXECUTIVE VICE PRESIDENT



OLYMPUS
INSURANCE



OLYMPUS
INSURANCE

220 MORRIS AVE #340
PO Box 65608
SALT LAKE CITY, UT 84165-0608
(801) 486.1373
(877) 759.9935
OLYINS.COM

December 4, 2024

Clint Dilley
General Manager
Magna Water District
PO Box 303
Magna, UT 84044

Re: 2025 Coverage Program Review

Dear Clint:

We appreciate the opportunity to provide essential risk and insurance services to Magna Water District and value our ongoing professional relationship.

The essential risks and supporting insurance services for the district are reviewed annually. The insurance program for the district is designed to protect against major risks through well designed risk and insurance planning.

The underwriters for each major coverage are provided updated information, which is used to develop their coverage terms. The risks facing the district continue to be dynamic in nature, including the development of legal liabilities and the potential for large or regional catastrophic events.

INSURANCE MARKET UPDATE

The insurance market has been significantly impacted by major claims that have arisen in the past 10 years. This has caused several insurance carriers to withdraw from offering coverage to water organizations, especially those located in areas that may have large loss events, like wildfire, wind or local liability claims from open canal water distribution, dams, and the use of auto's and equipment.

Fortunately, the loss trends have started to stabilize, which has resulted in moderate rate adjustments which are consistent with normal inflationary factors, adjustments in exposures and experience rating.

INSURANCE PLANNING

The renewal program includes an ultimate liability limit of \$16 million per liability claim or loss event. This limit is essential to address the potential for large losses that may arise from water operations or the use of vehicles. In recent years large losses have occurred against public entities and water organizations, with an escalation in damages due to social inflation. Social inflation recognizes the potential of juries providing greater awards, often without regard to clearly defined legal liability.

The district is insured with a custom insurance program for water organizations. This program has several special enhanced coverages enhancements, which are designed to meet the unique needs of water organizations. These include:

- Failure to supply utility services
- Water contamination
- Line failure or sewer back up
- Sexual misconduct
- Employment practices liability includes coverage for past wages, salary, or benefits
- Separate limits for each major area of risk or policy coverage section.

CYBER LIABILITY

The risks associated with Cyber Liability have significantly grown in recent years. These risks include the liability that may result from lost or stolen data, compromised control systems and the potential of ransomware events. The present cyber liability insurance program is supported by leading cyber security experts that provide support services and technical assistance in the event of a data breach event.

FIDUCIARY LIABILITY

The district has significant risk exposure related to the handling of retirement plans and related services. This is covered by a special policy from Travelers for fiduciary liability. This policy defends or pay claims related to an allegation of wrongful administration of employee retirement plans.

Fiduciary liability claims continue to escalate as those reaching retirement age seek to improve their retirement benefits through allegations of wrongful acts related to the administration of retirement plans or claims related to the fees charged by outside parties that assist or invest in the retirement funds.

MARKETING OF THE COVERAGE PROGRAM

High-quality underwriters continue to offer insurance coverage to water entities. Most are very selective in their underwriting and have a very effective long term underwriting model. Unfortunately, the cost of insurance has increased with all providers, due to the significant adverse loss events, and the need for insurance carriers to have strong reserve strength to pay all types of claims, including catastrophes or large loss events.

Effective risk and insurance planning has many elements, including the updating of operational changes, asset schedules, and the overall risks facing the entity. Periodically, alternative qualified underwriters are also invited to offer coverage terms. This ensures that the program scope and cost are established at the optimal level. The underwriters that specialize in water entities were invited to make proposals, using predefined specifications, with comparability in the coverage, limits, and service performance of each company.

The insurance carriers are prequalified based upon:

- Experience in providing insurance to governmental agencies.
- Specialty coverage forms, designed to protect the interest of the district.
- Financial security.
- Responsive claims and litigation handling.

The responsive proposals are as follows:

Insurance Company	Response
AIG	Pending
Ascot	Proposed - \$262,926
Chubb	Proposed - \$314,008
Cincinnati	Proposed - \$279,618
CNA	Proposed - \$298,775
Hartford	Proposed - \$309,987
Munich	Proposed - \$271,340
Philadelphia	Proposed - \$276,484
Travelers	Proposed - \$301,201

EXPOSURE REVIEW

The district's exposures are reviewed and updated annually to ensure accurate rating of the insurance program. This proposal includes a complete summary of the district's exposures for the current and renewal policy years. In addition, recommended adjustments to property values are provided annually utilizing CoreLogic and other industry indices to establish minimum replacement cost limits.

The liability risks of the district are carefully monitored and addressed through effective insurance planning.

CLAIMS SUPPORT

The proposed insurance carriers have extensive national resources and experience with water organizations to provide excellent claims response, as well as other support services. The insurance carrier supports litigation with leading attorneys that provide legal support when a suit arises. They also have industry leading claims management practices and procedures.

ACTIVE SHOOTER INSURANCE COVERAGE

The district has active shooter insurance with the current policy term, which includes specialized coverage to mitigate the cost and impact of an active shooter event.

A summary of the coverage is as follows:

- Workplace Violence: \$4,000,000
- Legal Liability Expense: \$4,000,000
- Personal Accident Expenses: \$50,000
- Business Interruption: \$4,000,000
- Stalking Threat: \$4,000,000

FINANCIAL SECURITY

The financial security of each insurance company is of vital importance, to assure that any claims obligations will be met. On a regular basis insurance companies provide their financial information to the following rating organizations:

Carrier	Year Founded	Gross Written Premium	Total Assets	Combined Ratio	AM Best Rating and Financial Size	Moody's	S&P	Admitted
AIG	1919	\$26.4B	\$49.1B	92%	A XV (\$2.0B+)	A2	A+	Yes
Arch	2001	\$3.3B	\$32B	93%	A+ XV (\$2.0B+)	A2	A+	Yes
Ascot	2001	\$3.6B	\$1.8B	114%	A XIV (\$1.5B - \$2.0B)	NR	NR	Yes
AXA XL	1986	\$13.6B	\$58.4B	97%	A XV (\$2.0B+)	A2	A+	No
Chubb	1882	\$37.9B	\$167B	96%	A++ XV (\$2.0B+)	A3	AA	Yes
Cincinnati	1950	\$8.4B	\$32B	95%	A+ XV (\$2.0B+)	A1	A+	Yes
CNA	1897	\$9.4B	\$44.4B	95%	A XV (\$2.0B+)	A3	A	Yes
Hartford	1810	\$18B	\$223B	97%	A+ XV (\$2.0B+)	A2	A+	Yes
Munich	1880	\$49.1B	\$295B	96%	A+ XV (\$2.0B+)	A2	AA-	Yes
Palomar	2014	\$58.3M	\$144M	69%	A- VIII (\$100M - \$250M)	NR	NR	No
Philadelphia	1879	\$3.4B	\$22.6B	93%	A++ XV (\$2.0B+)	NR	A	Yes
Travelers	1853	\$29.2B	\$104.2B	92%	A++ XV (\$2.0B+)	A2	AA	Yes

The carrier ratings of each of these insurance companies meets or exceeds the minimum rating criteria for placement of coverage on behalf of Magna Water District.

SERVICE PLAN

For 2023, we have established our service plan for the district. In addition to the services proposed, we may provide the following services at your direction:

- Board Governance / E&O Prevention
- Contract / Insurance Requirements Review
- Drug Free Workplace / Reasonable Suspicion
- Ethics / Fraud Prevention Training
- Fleet Safety Program Review
- Safe Driver Training
- Safety & Health Program Support

EMERGING RISK AREAS

ENVIRONMENTAL LIABILITY

The risks involved in environmental liability include both the direct cost of cleanup for significant environmental events, but also third-party liability and regulatory compliance. In recent years the scope of the risks has been enlarged, and the EPA has increased the number of potential pollutants by over 90 contaminants. A fresh assessment of the risks and potential cost of coverage may be completed at your direction.

TRAVEL & ACCIDENT

The district's workers compensation policy affords coverage to an employee injured in the course of employment. This would include employees that travel within the coverage territory of the workers compensation carrier. However, workers compensation generally will not be responsive to travel by volunteers, spouses or during employee free time that may be incidental to business travel. Many organizations supplement insurance planning through travel accident coverage. A fresh assessment of the risks and potential cost of coverage may be completed at your direction.

We appreciate the continued confidence placed in our firm to provide these essential insurance and risk management services to Magna Water District.

Sincerely,

B. Darrell Child
Executive Vice President

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PROPERTY / LIABILITY

SECTION II EXPOSURE SUMMARY

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PROPERTY / INLAND MARINE
AUTOMOBILE / DRIVER

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SECTION VI PREMIUM & RATE REVIEW

SECTION VII SERVICE PLAN

Magna Water District

Insurance Proposal

2025 - 2026

Coverage	Carrier	Limits	Deductible	25/26 Premium	24/25 Premium
Property	Arch (A+ XV) 1/1/25 - 1/1/26	\$ 94,349,000 Total Insured Value	\$ 5,000	\$ 139,922	\$ 123,429
		\$ 91,467,000 Buildings / Structures (90% Coinsurance)	\$ 5,000		
		\$ 2,502,000 Contents	\$ 5,000		
		\$ 380,000 Electronic Data Processing (EDP)	\$ 5,000		
		\$ 1,000,000 Earthquake	\$ 50,000		
		\$ 1,000,000 Flood (Excludes Zone A)	\$ 50,000		
		\$ 1,000,000 Newly Acquired or Constructed Property	\$ 5,000		
		\$ 1,000,000 Ordinance and Law	\$ 5,000		
		\$ 500,000 Business Income & Extra Expense	\$ 5,000		
		\$ 500,000 Pollutant Clean-up and Removal	\$ 5,000		
		\$ 250,000 Commandeered Property	\$ 5,000		
		\$ 250,000 Computer Equipment and Electronic Media	\$ 5,000		
		\$ 250,000 Debris Removal - On Premises	\$ 5,000		
		\$ 250,000 Refrigerant Contamination	\$ 5,000		
		\$ 250,000 Underground Property & Paved Surfaces	\$ 5,000		
		\$ 100,000 Accounts Receivable	\$ 5,000		
		\$ 100,000 Appurtenant Structures	\$ 5,000		
		\$ 100,000 Communications Equipment	\$ 5,000		
		\$ 100,000 Fine Arts	\$ 5,000		
		\$ 100,000 Outdoor Property	\$ 5,000		
		\$ 100,000 Penstock	\$ 5,000		
		\$ 100,000 Property Under Construction - Per Policy Period	\$ 5,000		
		\$ 100,000 Valuable Papers and Records	\$ 5,000		
		\$ 50,000 Changes in Temperature or Humidity	\$ 5,000		
		\$ 25,000 Property Under Construction - Per Building	\$ 5,000		
		\$ 25,000 Accumulation of Surface Water	\$ 5,000		
		\$ 25,000 Fire Department Services Charge	\$ 5,000		
		\$ 25,000 Property Under Construction - Per Building	\$ 5,000		
		\$ 25,000 Virus, Harmful Code, or Similar Instruction	\$ 5,000		
		\$ 15,000 Fungus, Wet Rot, Dry Rot, and Bacteria	\$ 5,000		
\$ 15,000 Portable Computer Equipment (\$1,500 per item)	\$ 5,000				
\$ 15,000 Reward Payments	\$ 5,000				
\$ 10,000 Debris Removal - Wind Blown	\$ 5,000				
\$ 5,000 Outdoor Signs	\$ 5,000				
Inland Marine	Arch (A+ XV) 1/1/25 - 1/1/26	\$ 828,150 Scheduled Equipment	\$ 5,000	\$ 1,000	\$ 700
		\$ 100,000 Mobile Equipment (Non Owned)	\$ 5,000		
		\$ 50,000 Property in Transit	\$ 5,000		
General Liability	Ascot (A XIV) 1/1/25 - 1/1/26	\$ 1,000,000 Each Occurrence	\$ -	\$ 38,759	\$ 32,115
		\$ 3,000,000 General Aggregate	\$ -		
		\$ 1,000,000 Employee Benefits Liability	\$ 1,000		
		\$ 100,000 Damage to Premises Rented to You	\$ -		
		\$ 50,000 Utility Line Failure - No Fault - Aggregate	\$ 5,000		
		\$ 5,000 Utility Line Failure - No Fault - Occurrence	\$ 5,000		
		\$ 25,000 Unmanned Aircraft Includes Contamination Includes Dam / Reservoir Failure Includes Inverse Condemnation Includes Failure to Supply	\$ -		
Employment Practices Liability	Ascot (A XIV) 1/1/25 - 1/1/26 Retro Date: 8/20/15	\$ 1,000,000 Each Wrongful Act	\$ 5,000	\$ 2,634	\$ 2,500
		\$ 3,000,000 Aggregate	\$ -		
		\$ 50,000 Non-Monetary Defense Limit - Aggregate	\$ 5,000		
		\$ 50,000 Back Wages	\$ 10,000		
		\$ 50,000 EEOC Hearing Expense - Aggregate	\$ -		
\$ 10,000 EEOC Hearing Expense - Per Complaint	\$ 2,500				
Management Liability	Ascot (A XIV) 1/1/25 - 1/1/26 Retro Date: 8/20/15	\$ 1,000,000 Each Wrongful Act	\$ 5,000	\$ 1,492	\$ 1,000
		\$ 3,000,000 Aggregate	\$ -		

Magna Water District

Insurance Proposal

2025 - 2026

Coverage	Carrier	Limits		Deductible	25/26 Premium	24/25 Premium
Automobile Liability	Ascot (A XIV) 1/1/25 - 1/1/26	\$ 1,000,000	Occurrence	\$ -	\$ 22,112	\$ 18,779
		\$ 1,000,000	Uninsured Motorists	\$ -		
		\$ 1,000,000	Underinsured Motorists	\$ -		
		\$ 3,000	Personal Injury Protection	\$ -		
Automobile Physical Damage	Ascot (A XIV) 1/1/25 - 1/1/26	Per Schedule - ACV	Other Than Collision / Collision <\$100,000	\$ 1,000		
		Per Schedule - ACV	Other Than Collision / Collision >\$100,000	\$ 2,500		
		ACV	Hired Physical Damage	\$ 1,000		
Excess Liability - 1	Ascot (A XIV) 1/1/25 - 1/1/26	\$ 10,000,000	Occurrence	Excess of Underlying	\$ 21,389	\$ 17,000
		\$ 10,000,000	Aggregate			
		<u>Excess of:</u> General Liability, Employment Practices Liability, Management Liability, Automobile Liability.				
Excess Liability - 2	Travelers (A++ XV) 1/1/25 - 1/1/26	\$ 5,000,000	Occurrence	Excess of Underlying	\$ 19,000	\$ 16,500
		\$ 5,000,000	Aggregate			
		Excludes Failure to Supply				
		Total Liability Limit - \$16,000,000				
Crime	Travelers (A++ XV) 1/1/25 - 1/1/26	\$ 250,000	Employee Theft - All Other Employees	\$ 1,000	\$ 2,485	\$ 2,485
		\$ 150,000	Employee Theft - Per Board Member	\$ 1,000		
		\$ 1,000,000	Employee Theft - General Manager (Treasurers Bond)	\$ 1,000		
		\$ 1,000,000	Employee Theft - Controller	\$ 1,000		
Fiduciary Liability	Travelers (A++ XV) 1/1/25 - 1/1/26	\$ 1,000,000	Occurrence	\$ -	\$ 2,522	\$ 2,522
		\$ 1,000,000	Aggregate	\$ -		
		\$ 100,000	HIPPA Liability	\$ -		
		\$ 100,000	502(c) Penalties	\$ -		
ID Fraud	Travelers (A++ XV) 1/1/25 - 1/1/26	\$ 25,000	Per Employee	\$ -	\$ 250	\$ 250
		Includes Resolution Services				
Cyber Liability	Cowbell Palomar (A- VIII) 1/1/25 - 1/1/26 Full Prior Acts	\$ 1,000,000	Aggregate Limit	\$ -	\$ 5,878	\$ 5,629
		\$ 1,000,000	Liability Costs	\$ 10,000		
		\$ 1,000,000	PCI Costs	\$ 10,000		
		\$ 1,000,000	Regulatory Costs	\$ 10,000		
		\$ 1,000,000	Cowbell Breach Fund	\$ 10,000		
		\$ 1,000,000	Extortion Costs	\$ 10,000		
		\$ 1,000,000	Business Impersonation Costs	\$ 10,000		
		\$ 500,000	Reputational Harm Expense (12 Hr WP, Retro 1/1/23)	\$ 10,000		
		\$ 1,000,000	Business Interruption Loss (12 Hr WP)	\$ 10,000		
		\$ 1,000,000	System Failure (12 Hr WP)	\$ 10,000		
		\$ 250,000	Cyber Crime Loss	\$ 10,000		
		\$ 1,000,000	Bricking Costs	\$ 10,000		
		\$ 100,000	Criminal Reward Costs	\$ 10,000		
		\$ 1,000,000	California Consumer Privacy Act	\$ 10,000		
\$ 1,000,000	General Data Protection Regulation	\$ 10,000				
\$ 1,000,000	Media Liability	\$ 10,000				
\$ 100,000	Cryptojacking	\$ 25,000				
Active Shooter / Workplace Violence	AXA XL (A XV) 1/1/25 - 1/1/26	\$ 4,000,000	Act of Workplace Violence Event Aggregate	\$ -	\$ 5,483	\$ 5,222
		\$ 4,000,000	Workplace Violence Expenses Per Insured Event	\$ -		
		\$ 4,000,000	3rd Party Legal Liability Per Insured Event	\$ -		
		\$ 50,000	Personal Accident Expenses Per Insured Person	\$ -		
		\$ 4,000,000	Business Interruption Expenses Per Insured Event	\$ -		
		\$ 120 Days	Business Interruption Indemnity Period	\$ -		
		\$ 4,000,000	Stalking Threat Event Aggregate	\$ -		
\$ 4,000,000	Policy Aggregate	\$ -				
				Total Premium	\$ 262,926	\$ 228,131

Magna Water District

Exposure Summary

2025 - 2026

Exposures	2024	2025	% of Change
Total Expenditures	\$20,311,765	\$24,104,883	18.7%
Total Employees	32	35	9.4%
Total Board Members / Directors	3	3	0.0%
Culinary Water Line (Miles)	145	145	0.0%
Culinary Water Connections	9,269	9,575	3.3%
Culinary Water - Population Served	34,476	35,012	1.6%
Culinary Water - Annual AcreFt Delivered	3,966	3,966	0.0%
Waste Water Line (Miles)	105	105	0.0%
Waste Water Connections	9,193	9,575	4.2%
Waste Water - Population Served	34,476	35,012	1.6%
Total Insured Property Value	\$91,022,000	\$94,349,000	3.7%
Inland Marine Value	\$828,150	\$848,150	2.4%
Automobiles (#)	38	38	0.0%
Automobiles (Value)	\$2,827,626	\$2,866,723	1.4%

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	GPS	Property Description	Department	Building Limit	Valuation (RC, FRC, ACV)	Contents Limit	EDP Limit	Business Income	Extra Expense
1	1	1	4100 S 8400 W Magna, UT		Bacchus Water Storage Tank	Water	\$ 5,916,000	RC				
2	1	2	4100 S 8400 W Magna, UT		Water Storage Tank	Water	\$ 916,000	RC				
3	1	3	4100 S 8400 W Magna, UT		Water Storage Tank	Water	\$ 2,312,000	RC				
4	1	4	4100 S 8400 W Magna, UT	N 40 40'53.72" W 112 05'34.83"	Pump Station	Water	\$ 454,000	RC				
5	2	1	7650 W 2100 S Magna, UT		Backwash Tank	Sewer	\$ 478,000	RC				
6	2	2	7650 W 2100 S Magna, UT		Bio Brox Filter Building	Sewer	\$ 2,437,000	RC				
7	2	3	7650 W 2100 S Magna, UT		Chlorination Building	Sewer	\$ 87,000	RC	\$ 30,000			
8	2	4	7650 W 2100 S Magna, UT		Chlorination Building	Sewer	\$ 198,000	RC	\$ 71,000			
9	2	5	7650 W 2100 S Magna, UT		Chlorine Contact Chamber	Sewer	\$ 838,000	RC				
10	2	6	7650 W 2100 S Magna, UT		Clarifier #1	Sewer	\$ 1,507,000	RC				
11	2	7	7650 W 2100 S Magna, UT		Clarifier #2	Sewer	\$ 1,507,000	RC				
12	2	8	7650 W 2100 S Magna, UT		Clarifier #3	Sewer	\$ 2,367,000	RC				
13	2	9	7650 W 2100 S Magna, UT		3 Generators 750KW, 450KW, 350KW	Sewer	\$ 690,000	RC				
14	2	10	7650 W 2100 S Magna, UT		Electrical Building	Sewer	\$ 725,000	RC				
15	2	11	7650 W 2100 S Magna, UT		Lab / Chemical Building	Sewer	\$ 1,710,000	RC				
16	2	12	7650 W 2100 S Magna, UT		Diversion Box	Sewer	\$ 46,000	RC				
17	2	13	7650 W 2100 S Magna, UT		Headworks (East)	Sewer	\$ 3,591,000	RC				
18	2	14	7650 W 2100 S Magna, UT		Effluent Testing Box	Sewer	\$ 14,000	RC				
19	2	15	7650 W 2100 S Magna, UT		Feed Tank	Sewer	\$ 341,000	RC				
20	2	16	7650 W 2100 S Magna, UT		Finish Tank	Sewer	\$ 916,000	RC				

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	GPS	Property Description	Department	Building Limit	Valuation (RC, FRC, ACV)	Contents Limit	EDP Limit	Business Income	Extra Expense
21	2	17	7650 W 2100 S Magna, UT		Fuel Storage Tank	Sewer	\$ 43,000	RC				
22	2	18	7650 W 2100 S Magna, UT		Fuel Storage Tank	Sewer	\$ 29,000	RC				
23	2	19	7650 W 2100 S Magna, UT		Generator (West)	Sewer	\$ 216,000	RC				
24	2	21	7650 W 2100 S Magna, UT		Headworks (West)	Sewer	\$ 2,567,000	RC				
25	2	22	7650 W 2100 S Magna, UT		Operations Building	Sewer	\$ 946,000	RC	\$ 508,000			
26	2	23	7650 W 2100 S Magna, UT		Oxidation Ditch	Sewer	\$ 10,093,000	RC				
27	2	24	7650 W 2100 S Magna, UT		RAS/WAS Pump Station	Sewer	\$ 872,000	RC				
28	2	25	7650 W 2100 S Magna, UT		Solids Handling Building	Sewer	\$ 2,546,000	RC				
29	3	1	6750 W 2820 S Magna, UT		Pump House B-1	Water	\$ 110,000	RC	\$ 40,000			
30	3	2	6750 W 2820 S Magna, UT		Pump House B-2	Water	\$ 201,000	RC	\$ 53,000			
31	3	3	6750 W 2820 S Magna, UT		Pump House B-3	Water	\$ 118,000	RC	\$ 40,000			
32	3	4	6750 W 2820 S Magna, UT		Pump House B-4	Water	\$ 295,000	RC	\$ 60,000			
33	3	5	6750 W 2820 S Magna, UT		Pump House B-5	Water	\$ 111,000	RC	\$ 60,000			
34	3	6	6750 W 2820 S Magna, UT		Generator	Water	\$ 819,000	RC				
35	4	1	2820 S 6000 W Magna, UT		EDR Water Treatment Plant	Water	\$ 20,381,000	RC		\$ 75,000		
36	4	2	2820 S 6000 W Magna, UT		Brine Pump Station	Water	\$ 3,680,000	RC				
37	4	3	2820 S 6000 W Magna, UT		Fluoridation Building	Water	\$ 165,000	RC	\$ 119,000			
38	4	4	2820 S 6000 W Magna, UT		Fuel Storage Tank	Water	\$ 29,000	RC				
39	4	5	2820 S 6000 W Magna, UT		Generator	Water	\$ 277,000	RC				
40	4	6	2820 S 6000 W Magna, UT		Main Booster Pump Station	Water	\$ 479,000	RC				

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	GPS	Property Description	Department	Building Limit	Valuation (RC, FRC, ACV)	Contents Limit	EDP Limit	Business Income	Extra Expense
41	4	7	2820 S 6000 W Magna, UT		New Well Pump House #7	Water	\$ 208,000	RC	\$ 47,000			
42	4	8	2820 S 6000 W Magna, UT		Old Well Pump House #7	Water	\$ 13,000	RC	\$ 7,000			
43	4	9	2820 S 6000 W Magna, UT		Valve House	Water	\$ 44,000	RC	\$ 12,000			
44	4	10	2820 S 6000 W Magna, UT		Well Pump House #2	Water	\$ 208,000	RC	\$ 47,000			
45	4	11	2820 S 6000 W Magna, UT		Well Pump House #9	Water	\$ 38,000	RC	\$ 37,000			
46	4	12	2820 S 6000 W Magna, UT		Well Pump House #4	Water	\$ 37,000	RC	\$ 37,000			
47	4	13	2820 S 6000 W Magna, UT		Fluoridation Building	Water	\$ 165,000	RC	\$ 119,000			
48	4	14	2820 S 6000 W Magna, UT		Well Pump House #8	Water	\$ 13,000	RC	\$ 7,000			
49	5	1	7550 W 4000 S Magna, UT		Fuel Storage Tank	Water	\$ 43,000	RC				
50	5	2	7550 W 4000 S Magna, UT		Pump Station	Water	\$ 1,982,000	RC				
51	5	3	7550 W 4000 S Magna, UT		Valley Forge Water Storage Tank	Water	\$ 3,481,000	RC				
52	5	4	7550 W 4000 S Magna, UT		Generator	Water	\$ 132,000	RC				
53	6	1	8933 W 3500 S Magna, UT		Offices / Storage Building	Water	\$ 714,000	RC	\$ 223,000	\$ 94,000		
54	6	2	8933 W 3500 S Magna, UT		Truck Shop	Water	\$ 388,000	RC	\$ 143,000			
55	6	3	8933 W 3500 S Magna, UT		Water Storage Tank	Water	\$ 2,276,000	RC				
56	6	4	8933 W 3500 S Magna, UT		Water Storage Tank	Water	\$ 916,000	RC				
57	6	5	8933 W 3500 S Magna, UT		Pump Station	Water	\$ 42,000	RC	\$ 87,000			
58	7	1	3320 S 8000 W Magna, UT		Pump Station	Water	\$ 1,706,000	RC	\$ 125,000			
59	7	2	3320 S 8000 W Magna, UT		Generator	Water	\$ 164,000					
60	9	1	4700 S 8460 W Magna, UT	N 40 40'14.71" W 112 05'37.91"	Water Storage Tank / Vault	Water	\$ 1,354,000	RC				

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	GPS	Property Description	Department	Building Limit	Valuation (RC, FRC, ACV)	Contents Limit	EDP Limit	Business Income	Extra Expense
61	10	1	7664 W 2100 S Magna, UT		Sewer Admin Building	Administration	\$ 1,118,000		\$ 141,000			
62	11	1	8885 W 3500 S Magna, UT		Administration Building	Administration	\$ 4,606,000	RC	\$ 489,000	\$ 211,000		
63	11	2	8885 W 3500 S Magna, UT		Generator	Administration	\$ 132,000	RC				
64	12	1	2589 S Athena Dr Magna, UT		Well		\$ 220,000	RC				
65	13	1	2628 S Twain Dr Magna, UT		Well		\$ 220,000	RC				
66	14	1	2608 S Twain Dr Magna, UT		Well		\$ 220,000	RC				
Totals							\$ 91,467,000		\$ 2,502,000	\$ 380,000	\$ -	\$ -
TIV							\$ 94,349,000					

Signature

Title

Date



Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	Protect. Class	Year Built	No. Stories	Const. Type	Fire Sprinklers	EQ Gas Shut Off	Alarm System	Sq. Ft. / Capacity	EQ Zone	Flood Zone	Date Valued
1	1	1	4100 S 8400 W Magna, UT	4	2003	1	RC				8 MG			8/21/24
2	1	2	4100 S 8400 W Magna, UT	4	1978	1	Steel				500 KG			8/21/24
3	1	3	4100 S 8400 W Magna, UT	4	1978	1	Steel				2 MG			8/21/24
4	1	4	4100 S 8400 W Magna, UT	4	2016	1	Concrete				500			8/21/24
5	2	1	7650 W 2100 S Magna, UT	4	2007	1	RC				2,462			8/21/24
6	2	2	7650 W 2100 S Magna, UT	4	2009	1	MNC				6,048			8/21/24
7	2	3	7650 W 2100 S Magna, UT	4	1960	1	JM				425			8/21/24
8	2	4	7650 W 2100 S Magna, UT	4	1987	1	MNC				1,040			8/21/24
9	2	5	7650 W 2100 S Magna, UT	4	2007	1	RC				4,188			8/21/24
10	2	6	7650 W 2100 S Magna, UT	4	2007	1	RC				6,182			8/21/24
11	2	7	7650 W 2100 S Magna, UT	4	2007	1	RC				6,182			8/21/24
12	2	8	7650 W 2100 S Magna, UT	4	2020	1	RC				6,182			8/21/24
13	2	9	7650 W 2100 S Magna, UT	4	2020	1	Steel				NA			8/21/24
14	2	10	7650 W 2100 S Magna, UT	4	2020	1	MNC				659			8/21/24
15	2	11	7650 W 2100 S Magna, UT	4	2020	1	MNC				1,768			8/21/24
16	2	12	7650 W 2100 S Magna, UT	4	2007	1	RC				160			8/21/24
17	2	13	7650 W 2100 S Magna, UT	4	2009	1	MNC				4,030			8/21/24
18	2	14	7650 W 2100 S Magna, UT	4	2007	1	RC				80			8/21/24
19	2	15	7650 W 2100 S Magna, UT	4	2009	1	Steel				150 KG			8/21/24
20	2	16	7650 W 2100 S Magna, UT	4	2009	1	Steel				500 KG			8/21/24

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	Protect. Class	Year Built	No. Stories	Const. Type	Fire Sprinklers	EQ Gas Shut Off	Alarm System	Sq. Ft. / Capacity	EQ Zone	Flood Zone	Date Valued
21	2	17	7650 W 2100 S Magna, UT	4	2009	1	RC							8/21/24
22	2	18	7650 W 2100 S Magna, UT	4	2009	1	RC				1 KG			8/21/24
23	2	19	7650 W 2100 S Magna, UT	4	2009	1	Steel							8/21/24
24	2	21	7650 W 2100 S Magna, UT	4	2001	1	JM				3,903			8/21/24
25	2	22	7650 W 2100 S Magna, UT	4	1962	1	RC				3,892			8/21/24
26	2	23	7650 W 2100 S Magna, UT	4	1963	1	RC				65,039			8/21/24
27	2	24	7650 W 2100 S Magna, UT	4	1987	1	MNC				2,080			8/21/24
28	2	25	7650 W 2100 S Magna, UT	4	2007	1	Steel				8,524			8/21/24
29	3	1	6750 W 2820 S Magna, UT	4	1990	1	Frame				400			8/21/24
30	3	2	6750 W 2820 S Magna, UT	4	1990	1	Frame				550			8/21/24
31	3	3	6750 W 2820 S Magna, UT	4	1975	1	Frame				400			8/21/24
32	3	4	6750 W 2820 S Magna, UT	4	1980	1	JM				952			8/21/24
33	3	5	6750 W 2820 S Magna, UT	4	1990	1	Frame				400			8/21/24
34	3	6	6750 W 2820 S Magna, UT	4	2009	1	Steel							8/21/24
35	4	1	2820 S 6000 W Magna, UT	4	2009	2	MNC				23,976			8/21/24
36	4	2	2820 S 6000 W Magna, UT	4	2020	1	JM				576			8/21/24
37	4	3	2820 S 6000 W Magna, UT	4	2003	1	JM				576			8/21/24
38	4	4	2820 S 6000 W Magna, UT	4	1998	1	RC				1 KG			8/21/24
39	4	5	2820 S 6000 W Magna, UT	4	1998	1	Steel							8/21/24
40	4	6	2820 S 6000 W Magna, UT	4	1960	1	JM				720			8/21/24

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	Protect. Class	Year Built	No. Stories	Const. Type	Fire Sprinklers	EQ Gas Shut Off	Alarm System	Sq. Ft. / Capacity	EQ Zone	Flood Zone	Date Valued
41	4	7	2820 S 6000 W Magna, UT	4	2002	1	JM				660			8/21/24
42	4	8	2820 S 6000 W Magna, UT	4	1960	1	JM				104			8/21/24
43	4	9	2820 S 6000 W Magna, UT	4	1960	1	JM				150			8/21/24
44	4	10	2820 S 6000 W Magna, UT	4	2000	1	JM				660			8/21/24
45	4	11	2820 S 6000 W Magna, UT	4	1975	1	JM				104			8/21/24
46	4	12	2820 S 6000 W Magna, UT	4	1960	1	JM				104			8/21/24
47	4	13	2820 S 6000 W Magna, UT	4	2003	1	JM				576			8/21/24
48	4	14	2820 S 6000 W Magna, UT	4	1960	1	JM				104			8/21/24
49	5	1	7550 W 4000 S Magna, UT	4	2001	1	RC				2 KG			8/21/24
50	5	2	7550 W 4000 S Magna, UT	4	2001	1	JM				4,770			8/21/24
51	5	3	7550 W 4000 S Magna, UT	4	2001	1	RC				5 MG			8/21/24
52	5	4	7550 W 4000 S Magna, UT	4	2001	1								8/21/24
53	6	1	8933 W 3500 S Magna, UT	4	1993	1	RC				4,596			8/21/24
54	6	2	8933 W 3500 S Magna, UT	4	1987	1	Steel				3,660			8/21/24
55	6	3	8933 W 3500 S Magna, UT	4	1968	1	Steel				1.5 MG			8/21/24
56	6	4	8933 W 3500 S Magna, UT	4	1968	1	Steel				500 KG			8/21/24
57	6	5	8933 W 3500 S Magna, UT	4	2007	1	Frame				180			8/21/24
58	7	1	3320 S 8000 W Magna, UT	4	2020	1	JM				480			8/21/24
59	7	2	3320 S 8000 W Magna, UT	4										8/21/24
60	9	1	4700 S 8460 W Magna, UT	4	2016	1	Concrete				500 KG			8/21/24

Magna Water District

Property Schedule

2025 - 2026

Total No.	Loc. No.	Bld. No.	Property Location	Protect. Class	Year Built	No. Stories	Const. Type	Fire Sprinklers	EQ Gas Shut Off	Alarm System	Sq. Ft. / Capacity	EQ Zone	Flood Zone	Date Valued
61	10	1	7664 W 2100 S Magna, UT	4	2016	1	MNC				3,200			8/21/24
62	11	1	8885 W 3500 S Magna, UT	4	2016	1	MNC				12,000			8/21/24
63	11	2	8885 W 3500 S Magna, UT	4	2016	1								8/21/24
64	12	1	2589 S Athena Dr Magna, UT	4	2021	1	MNC				650			8/21/24
65	13	1	2628 S Twain Dr Magna, UT	4	2021	1	MNC				650			8/21/24
66	14	1	2608 S Twain Dr Magna, UT	4	2021	1	MNC				650			8/21/24

Signature

Title

Date



Magna Water District
Inland Marine Schedule
2025 - 2026

Item #	Year	Description	Serial Number	Department	Value
1		Standby Generator - BIOBROX		Sewer	\$ 43,000
2		Standby Generator - Haynes Well Site Model 450 05E4	00664693	Water	\$ 64,000
3	1995	Volvo L-50C Wheel Loader	4V5JCBPF4TR850733	Sewer	\$ 76,000
4	2009	Cat CB34 Roller	CATCBSYA34500325	Water	\$ 38,000
5	2012	Cat 430 E	0SWC00521	Sewer	\$ 108,925
6		6" Pump Diesel		Sewer	\$ 10,000
7		Compressor	NAR10283149	Water	\$ 5,000
8	2024	Ventrex Riding Sweeper/Mower 4520N AR09420	WWBB1302	Sewer	\$ 20,000
9	2016	Caterpillar 420F Backhoe	CAT0420FKHWC01574	Sewer	\$ 110,000
10	2017	John Deere 544K Wheel Loader	1DW544KZJGF674386	Water	\$ 126,000
11		Ingersol Rand Compressor	306064UKJ221	Water	\$ 20,000
12	2019	Caterpillar Mini Excavator	CAT3055EKCR507916	Water	\$ 72,000
13		Jack Hammer attachment for Mini-Ex	HA605290	Water	\$ 8,350
14		EDR Compressor Quincy	QGS15DT120	Water	\$ 13,000
15	2021	Cat 420-07 Backhoe Loader	CAT0042VH8T00854	Water	\$ 95,900
16	2016	Kubota RTV-X1120, Fisher V-plow, Canopy	19565	Water	\$ 17,975
17	2003	Ventrax Model 4200	WBB1302		\$ 20,000
				Total	\$ 848,150

Signature

Title

Date

Magna Water District

Automobile Schedule

2025 - 2026

Item #	ID	Inv. ID	Year	Make	Model	VIN Number	Class	Department	Other Than Collision	Collision	Cost New
1	10	164384	2007	Chev	3/4 Ton 4x4 Ext Cab	1GCHK29K07E546906	Light Truck	Sewer	\$ 1,000	\$ 1,000	\$ 31,600
2	7	10459	2000	End	Dump Pupp Trailer	5C2DD15C3YM00188	Light Trailer	Water	\$ 1,000	\$ 1,000	\$ 16,800
3	52	191483	2013	Ford	450 Camera Van	1FDXE4FS9DDA78965	Heavy Truck	Sewer	\$ 1,000	\$ 1,000	\$ 26,000
4	8	173633	2013	Ford	F-550	1FD0W5HT3DEA87729	Heavy Truck	Water	\$ 1,000	\$ 1,000	\$ 41,800
5	44	164745	2007	Ford	F-750 Truck	3FRWF75S27V507563	Heavy Truck	Water	\$ 1,000	\$ 1,000	\$ 54,650
6	21	166778	2009	GMC	Canyon 4x4	1GTD14E498123450	Light Truck	Water	\$ 1,000	\$ 1,000	\$ 33,200
7	57	10393	1995	Interstate	Flat Bed Trailer	1JKDLA201SA200137	Light Trailer	Water	\$ 1,000	\$ 1,000	\$ 16,800
8	16	10386	1986	Metal	Craft L.E. Trailer Flatbed	1FWF0192GA004751	Light Trailer	Water	\$ 1,000	\$ 1,000	\$ 16,800
9	74	167503	2007	Sterling	Dump Truck	2FZMAZCK37AX99905	Heavy Truck	Water	\$ 2,500	\$ 2,500	\$ 115,500
10	45	166363	2007	Sterling	LT9513	2FZHAZDE37AY46313	Heavy Truck	Sewer	\$ 2,500	\$ 2,500	\$ 119,600
11	1		2013	Spec Tec	AE0385496	1S9EA3823DS188587	Trailer	Sewer	\$ 1,000	\$ 1,000	\$ 76,244
12	61		2016	Mack	GU7136	1M2AX07C1GM030994	Heavy Truck	Sewer	\$ 2,500	\$ 2,500	\$ 136,000
13	3	2016-03	2016	Ford	F-350	1FT8W3BT0GED39347	Heavy Truck	Water	\$ 1,000	\$ 1,000	\$ 53,835
14	4		2019	Kenworth	T370	2NKHHJ7X9JM181820	Heavy Truck	Water	\$ 1,000	\$ 1,000	\$ 91,855
15	55		2018	Kenworth	T880	1XKZD40XXKJ247348	Heavy Truck	Sewer	\$ 2,500	\$ 2,500	\$ 130,039
16	56		2013	Trail King	Trailer	1TKU02020DR041690	Trailer	Water	\$ 1,000	\$ 1,000	\$ 5,500
17	30		2019	Frieghtliner	114SD	3ALHG3FE9LDLE6580		Sewer	\$ 2,500	\$ 2,500	\$ 398,455
18	88		2022	Trail King	Flat Bed Trailer	1TKU02629NR087818		Water	\$ 1,000	\$ 1,000	\$ 14,700
19	70		2022	Kenworth	T880 Vac Truck	1NKZX4EX8PJ238777			\$ 2,500	\$ 2,500	\$ 602,410
20	89		2023	Pace	Utility Trailer	5JWPE1424PT046256		Water	\$ 1,000	\$ 1,000	\$ 9,266
21	31		2024	Chevrolet	Equinox	3GNAXUEG3RS113130		Admin	\$ 1,000	\$ 1,000	\$ 30,500
22	67		2024	Chevrolet	Equinox	3GNAXUEG0RS110279		Admin	\$ 1,000	\$ 1,000	\$ 30,500
23	22		2024	Chevrolet	Equinox	3GNAXUEG8RS110272		Admin	\$ 1,000	\$ 1,000	\$ 30,500
24	77		2024	Chevrolet	Equinox	3GNAXUEG3RS110275		Admin	\$ 1,000	\$ 1,000	\$ 30,500
25	90		2024	Chevrolet	Equinox	3GNAXUEG9RS110281		Admin	\$ 1,000	\$ 1,000	\$ 30,500
26	91		2024	Chevrolet	Silverado	1GCUDDDED2RZ104460			\$ 1,000	\$ 1,000	\$ 54,416
27	85	85	2024	Chevrolet	Silverado	1GC4YTE72RF175782			\$ 1,000	\$ 1,000	\$ 57,986
28	92	92	2024	Chevrolet	Silverado	1GC4YTE74RF176836			\$ 1,000	\$ 1,000	\$ 57,986
29		63	2024	Chevrolet	Silverado	1GCUDDDED0RZ104411			\$ 1,000	\$ 1,000	\$ 54,416
30		69	2024	Chevrolet	Silverado	1GCUDDDED0RZ100827			\$ 1,000	\$ 1,000	\$ 54,416
31		81	2024	Chevrolet	Silverado	1GCUDDDED9RZ104701			\$ 1,000	\$ 1,000	\$ 54,416
32		78	2024	Chevrolet	Silverado	1GCUDDDED6RZ100895			\$ 1,000	\$ 1,000	\$ 54,416
33		76	2024	Chevrolet	Silverado	1GCUDDDED1RZ113859			\$ 1,000	\$ 1,000	\$ 54,416
34		79	2024	Chevrolet	Silverado	1GCUDDDEDXRZ114055			\$ 1,000	\$ 1,000	\$ 54,416
35		35	2024	Chevrolet	Silverado	1GC4YTE74RF223881			\$ 1,000	\$ 1,000	\$ 57,986
36		65	2024	Chevrolet	Silverado	1GCUDDDED7RZ113798			\$ 1,000	\$ 1,000	\$ 54,416

Magna Water District

Automobile Schedule

2025 - 2026

Item #	ID	Inv. ID	Year	Make	Model	VIN Number	Class	Department	Other Than Collision	Collision	Cost New
37			2024	Chevrolet	Silverado	1GC4YTE71RF245708			\$ 1,000	\$ 1,000	\$ 57,986
38			2024	Chevrolet	Silverado	1GCUDEDED2RZ268873			\$ 1,000	\$ 1,000	\$ 55,897
										Total	\$ 2,866,723

Signature

Title

Date



Magna Water District

Driver Schedule

2025 - 2026

Item #	Employee Name	DL #	State Issued	Birthdate	Year Licensed
1	Steven D Clark	****4809	UT	On File	1992
2	Matthew R Skogerboe	****8110	UT	On File	1991
3	Lelsle Fitzgerald	****6229	UT	On File	1983
4	Justin A Long	****3399	UT	On File	2002
5	Leland B Lamper	****9034	UT	On File	2000
6	Scott G Beck	****6026	UT	On File	2007
7	Raymond C Mondragon	****3032	UT	On File	1976
8	Clint R Giles	****6891	UT	On File	1985
9	Jon G Davis	****4164	UT	On File	1990
10	Robert A Jaterka III	****2558	UT	On File	1995
11	Neldon Edward Tucker	****8227	UT	On File	1988
12	Bob Batt	****3454	UT	On File	1982
13	Dallas Henline	****0708	UT	On File	1999
14	Travis Rawson	****1414	UT	On File	2002
15	Clinton N Dilley	****3357	UT	On File	1993
16	Mike Harms	****6765	UT	On File	2000
17	Matthew Hunter	****4881	UT	On File	1997
18	Trevor Andra	****1936	UT	On File	1998
19	Mandy Whitmore	****3086	UT	On File	1994
20	Connor McReynolds	****3663	UT	On File	2010
21	Dyllan Delobel	****0959	UT	On File	2008
22	Chet Draper	****3338	UT	On File	2004
23	Lonnie R Thompson	****1112	UT	On File	2002
24	Paul Bird	****7424	UT	On File	2006
25	Kim Cisneros	****4564	UT	On File	1984
26	Andrew Sumsion	****3456	UT	On File	1998
27	Mark Manzanares	****1151	UT	On File	2006
28	Christian Thompson	****7205	UT	On File	2015
29	Eugene Stott	****9252	UT	On File	2006
30	Gavin Henshaw	****9878	UT	On File	2020
31	Matthew LeCheminant	****0867	UT	On File	2013
32	Victoria Jensen	****7994	UT	On File	2003
33	Ashley Wells	****1395	UT	On File	2004
34	Jaydon Shepherd	****6041	UT	On File	2016
35	Layne Fuller	****2810	UT	On File	2021

Signature

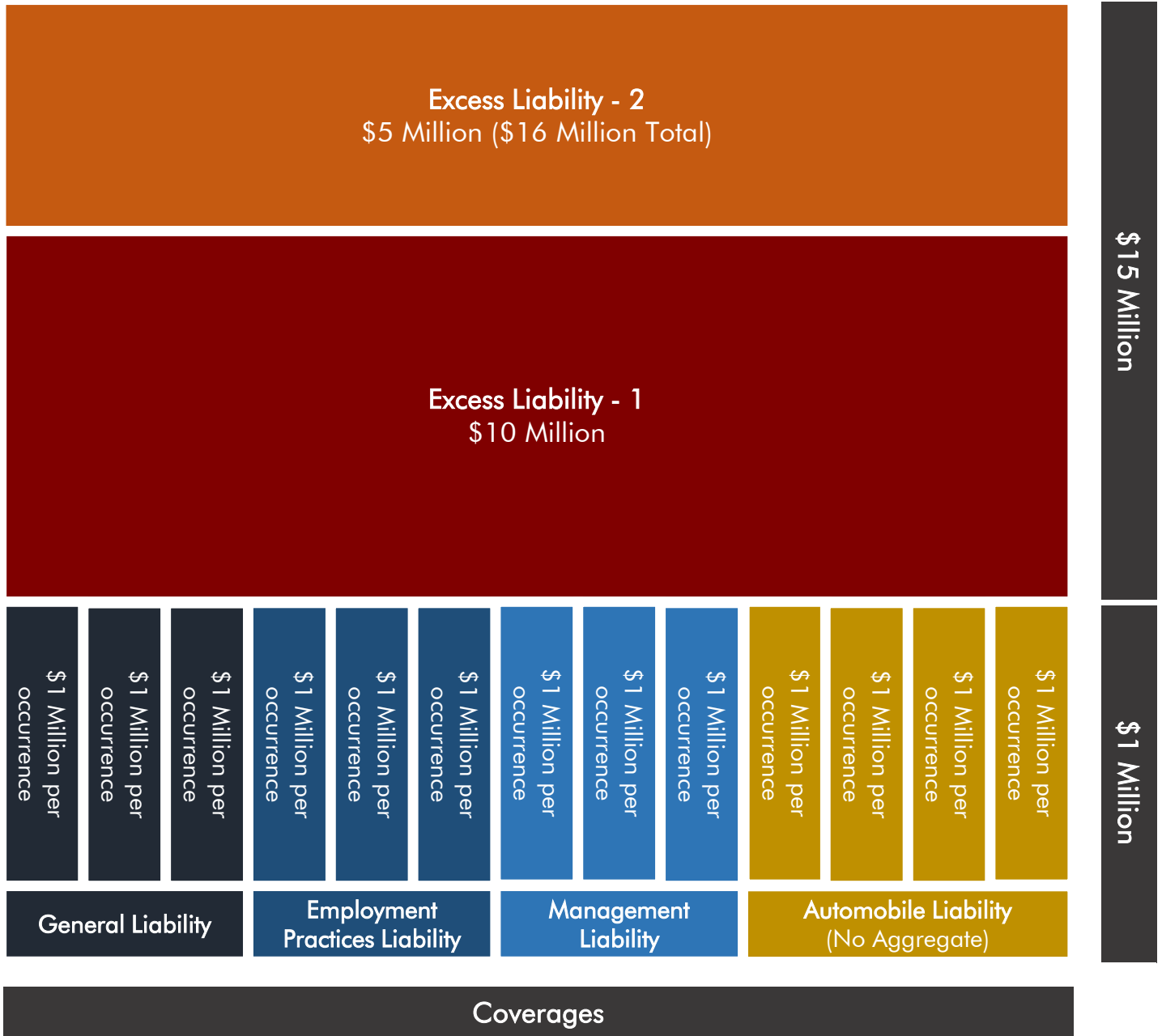
Title

Date

Magna Water District

Liability Program Structure

2025 - 2026

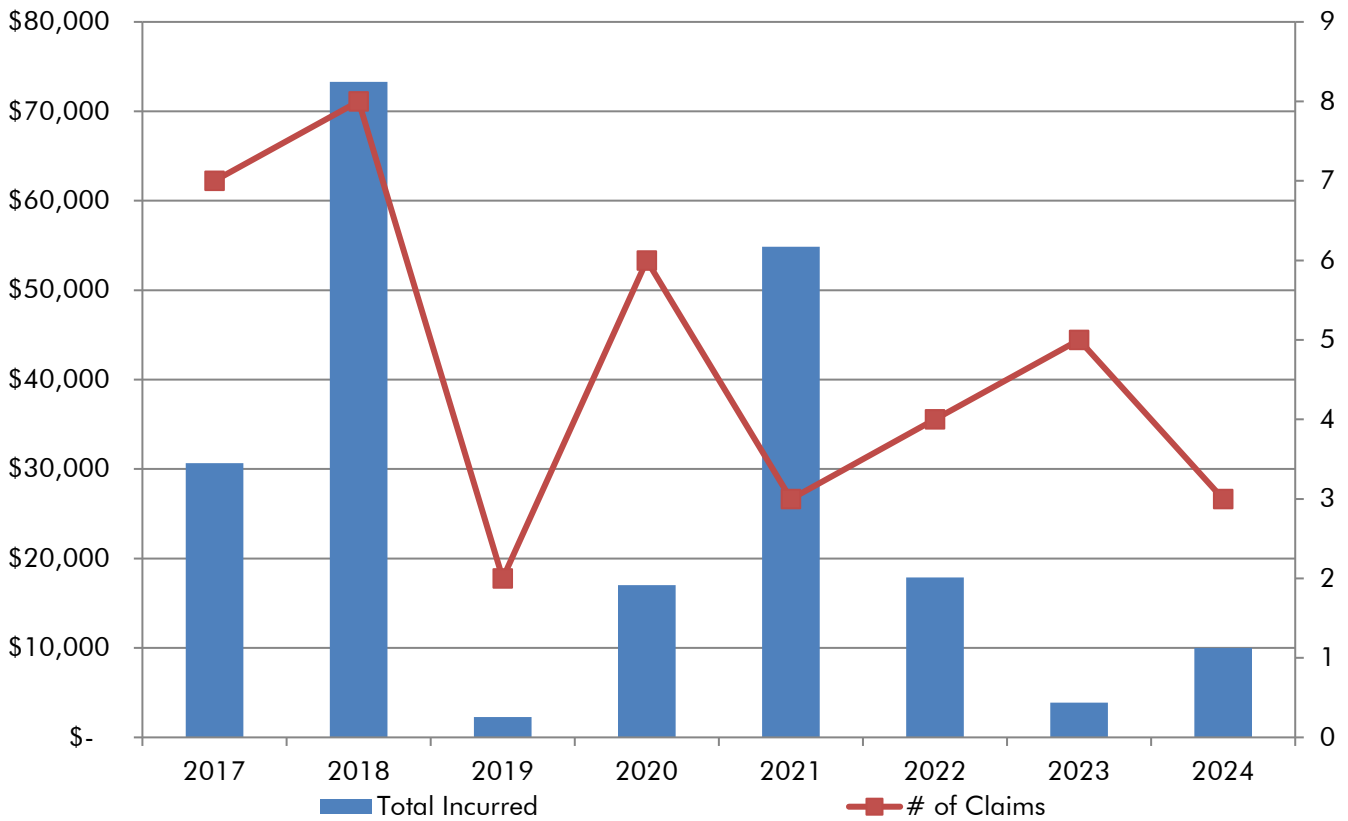


Magna Water District

Loss Summary

2017 - 2024

Year	Total Incurred	# of Claims
2017	\$ 30,673	7
2018	\$ 73,298	8
2019	\$ 2,261	2
2020	\$ 17,017	6
2021	\$ 54,849	3
2022	\$ 17,889	4
2023	\$ 3,874	5
2024	\$ 10,000	3



Magna Water District

Premium & Rate Review

2025 - 2026

Coverage	Carrier	2024 - 2025 (Expiring)			Carrier	2025 - 2026 (Renewal)			% of Change		
		Rate	Exposure	Premium		Rate	Exposure	Premium	Rate	Exposure	Premium
Property ²	Arch (A+ XV) 1/1/24 - 1/1/25	0.14	\$ 91,022,000	\$ 123,429	Arch (A+ XV) 1/1/25 - 1/1/26	0.15	\$ 94,349,000	\$ 139,922	9.4%	3.7%	13.4%
Inland Marine ²	Arch (A+ XV) 1/1/24 - 1/1/25	0.08	\$ 828,150	\$ 700	Arch (A+ XV) 1/1/25 - 1/1/26	0.12	\$ 848,150	\$ 1,000	39.5%	2.4%	42.9%
General Liability ²	Argonaut (A- XII) 1/1/24 - 1/1/25	0.16	\$ 20,311,765	\$ 32,115	Ascot (A XIV) 1/1/25 - 1/1/26	0.16	\$ 24,104,883	\$ 38,759	1.7%	18.7%	20.7%
Employment Practices Liability ¹	Argonaut (A- XII) 1/1/24 - 1/1/25	78.13	32	\$ 2,500	Ascot (A XIV) 1/1/25 - 1/1/26	75.26	35	\$ 2,634	-3.7%	9.4%	5.4%
Management Liability ⁴	Argonaut (A- XII) 1/1/24 - 1/1/25	49.23	\$ 20,311,765	\$ 1,000	Ascot (A XIV) 1/1/25 - 1/1/26	61.90	\$ 24,104,883	\$ 1,492	25.7%	18.7%	49.2%
Automobile Liability / Automobile Physical Damage ²	Argonaut (A- XII) 1/1/24 - 1/1/25	0.66	\$ 2,827,626	\$ 18,779	Ascot (A XIV) 1/1/25 - 1/1/26	0.77	\$ 2,866,723	\$ 22,112	16.1%	1.4%	17.7%
Excess Liability ²	Argonaut (A- XII) 1/1/24 - 1/1/25	0.08	\$ 20,311,765	\$ 17,000	Ascot (A XIV) 1/1/25 - 1/1/26	0.09	\$ 24,104,883	\$ 21,389	6.0%	18.7%	25.8%
Excess Liability - 2 ²	Travelers (A++ XV) 1/1/24 - 1/1/25	0.08	\$ 20,311,765	\$ 16,500	Travelers (A++ XV) 1/1/25 - 1/1/26	0.08	\$ 24,104,883	\$ 19,000	-3.0%	18.7%	15.2%
Crime ¹	Travelers (A++ XV) 1/1/24 - 1/1/25	77.66	32	\$ 2,485	Travelers (A++ XV) 1/1/25 - 1/1/26	71.00	35	\$ 2,485	-8.6%	9.4%	0.0%
Fiduciary Liability ³	Travelers (A++ XV) 1/1/24 - 1/1/25	5.81	\$ 434,286	\$ 2,522	Travelers (A++ XV) 1/1/25 - 1/1/26	5.81	\$ 434,286	\$ 2,522	0.0%	0.0%	0.0%
ID Fraud ¹	Travelers (A++ XV) 1/1/24 - 1/1/25	7.81	32	\$ 250	Travelers (A++ XV) 1/1/25 - 1/1/26	7.14	35	\$ 250	-8.6%	9.4%	0.0%
Cyber Liability ³	Cowbell Palomar (A- VIII) 1/1/24 - 1/1/25	0.28	\$ 20,311,765	\$ 5,629	Cowbell Palomar (A- VIII) 1/1/25 - 1/1/26	0.24	\$ 24,104,883	\$ 5,878	-12.0%	18.7%	4.4%

Magna Water District

Premium & Rate Review

2025 - 2026

Coverage	Carrier	2024 - 2025 (Expiring)			Carrier	2025 - 2026 (Renewal)			% of Change		
		Rate	Exposure	Premium		Rate	Exposure	Premium	Rate	Exposure	Premium
Active Shooter ⁴	AXA XL (A XV) 1/1/24 - 1/1/25	1,305.50	\$ 4,000,000	\$ 5,222	AXA XL (A XV) 1/1/25 - 1/1/26	1,370.75	\$ 4,000,000	\$ 5,483	5.0%	0.0%	5.0%
Total / Average				\$ 228,131				\$ 262,926	6.8%	8.4%	15.3%

Per Number ¹
 Per 100 ²
 Per 1,000 ³
 Per 1,000,000 ⁴



Magna Water District

Service Plan

2025 - 2026

July	Preliminary Planning Meeting
	Loss Trend Analysis
	Market Review
	Program Design

August	Catastrophic Risk Assessment
	Comprehensive Risk Assessment
	Property / Infrastructure Review

September	Coverage Marketing
	Exposure Review
	Quarterly Stewardship Meeting

October	Coverage Marketing Update
	Risk Control Service
	Underwriter Negotiation

November	Preliminary Proposal Presentation
	Risk Advisory Service
	Underwriting Revisions

December	Final Proposal Presentation
	Quarterly Stewardship Meeting
	Risk Assessment Service

January	Coverage Implementation
	Risk Advisory Service
	Risk Control Service

February	Location Risk Assessment
	Premium Allocation / Audit Support
	Risk Advisory Service

March	Quarterly Stewardship Meeting
	Risk Advisory Service
	Risk Assessment Service

April	Loss Prevention / Hazard Register
	Risk Advisory Service
	Risk Control Service

May	Policy / Endorsement Verification
	Risk Advisory Service
	Risk Assessment Service

June	Annual Risk Report
	Benchmark Reports
	Risk Climate Update

To Be Scheduled / As Needed

Risk Control	Construction / New Operation Review
	Disaster / Continuity Planning
	Enterprise Risk Management (ERM) Implementation
	Fleet Safety / MVR Review
	Regulatory Compliance
Special Event Review	

Risk Assessment	Cyber Risk Assessment
	Environmental Risk Assessment
	HR Policy Support
	Risk Tolerance / Feasibility Studies
	Workers' Compensation Review

Risk Advisory	Contract Review / Verification
	Online Resources
	Risk / Safety Program Support
Training Coordination / Development	

Policy	Attend Client Meetings / Answer Client Questions
	Claim Management
	Endorsement Preparation
	Evidence of Insurance Preparation (Certificates / Auto ID)

STANTEC



**MASTER SERVICES AGREEMENT
TASK ORDER**

Attached to and forming part of the MASTER AGREEMENT

BETWEEN:

MAGNA WATER DISTRICT
(hereinafter called the "CLIENT")
- and -
STANTEC CONSULTING SERVICES INC.
(hereinafter called "STANTEC")

EFFECTIVE: December 19, 2024

This TASK ORDER is issued under the **MASTER SERVICES AGREEMENT** (dated November 1, 2018) between STANTEC CONSULTING SERVICES INC. ("STANTEC") and MAGNA WATER DISTRICT ("CLIENT") for Services to be provided by STANTEC on the Magna Westside Collection System Improvements Project 1B Construction Management and Engineering Services During Construction project ("Project"), as more fully described below. This Task Order is incorporated into and part of the Master Services Agreement.

The CLIENT's representative shall be: Clint Diley, P.E., General Manager.

SERVICES: STANTEC shall perform the following SERVICES:

per the attached Magna Westside Collection System Improvements – Project 1B – Proposal for Construction Management and Engineering Services During Construction dated December 2, 2024

(hereinafter called the "SERVICES")

CONTRACT TIME: Commencement Date: December 19, 2024

Estimated Completion Date: January 31, 2026

CONTRACT PRICE: Subject to the terms below, CLIENT will compensate STANTEC as follows:

Time and material basis with a not to exceed amount of \$162,570.00

An eight percent (8%) flat rate disbursement (FRD) recovery charge will be applied to the Stantec fees to cover miscellaneous project expenses, internal incidental printing, copying and plots, film, CDs and report materials; communications expenses (e.g., faxes, office and mobile phones, blackberries, pagers, and other devices); office expenses (e.g., postage, couriers, equipment, common software and other supplies); staff local mileage/kilometrage; and archive maintenance. As this is a FRD, no supporting document will be provided with invoices.

Project specific charges, such as subconsultants; travel, accommodations and meals; project-specific printing of deliverables; consumables; usage charges for specialized field equipment and company-owned, leased or rented project vehicles; external testing lab charges and other external services charges; specialized computer software costs; and other significant project-specific expenses will be invoiced in addition to labor fees and to the FRD.

Where not stated as being included in the fees, project specific subconsultant, contractor, lab and other similar third party charges will be charged as invoiced to STANTEC with a ten percent (10%) markup.

Unless otherwise noted, the fees in this agreement do not include any value added, sales, or other taxes that may be applied by Government on fees for services. Such taxes will be added to all invoices as required.

Where the SERVICES or services conditions change, STANTEC shall submit to the CLIENT in a timely manner, documentation of the revisions to this Task Order adjusting the Contract Services Time and Price as required.



MASTER SERVICES AGREEMENT -
TASK ORDER

Unless otherwise specified, charges for SERVICES are based on STANTEC'S hourly billing rate table ("Rate Table"), attached hereto. The Rate Table is subject to escalation from time to time.

**ADDITIONAL
CONDITIONS:**

The following additional conditions shall be read in conjunction with and constitute part of this Task Order:

No additional conditions.

**ADDITIONAL
ATTACHMENTS:**

The following additional attachments shall be read in conjunction with and constitute part of this Task Order:

- *Magna Westside Collection System Improvements, Project 1B – Proposal for Construction Support Services dated December 2, 2024*
- *FEE ESTIMATE - Project 1B CM Services Fee Proposal*

**INSURANCE
REQUIREMENTS:**

Before any services are provided under this agreement, STANTEC shall procure, and maintain in effect during the term of this agreement, insurance coverage in amounts and on terms not less than set forth below.

General Liability: Commercial general liability insurance for personal and bodily injury, including death, and property damage in the amount of \$1,000,000 each occurrence and not less than \$2,000,000 in the aggregate.

Automobile Liability: Automobile liability insurance for bodily injury, including death, and property damage in the amount of \$1,000,000 each occurrence.

Professional Liability: Professional liability insurance for damages incurred by reason of any negligent act, error or omission committed or alleged to have been committed by STANTEC in the amount of \$1,000,000 per claim and in the aggregate.

Workers' Compensation: As prescribed by applicable law.

Certificates: Upon request, STANTEC shall provide certificates of insurance evidencing coverage required above. Each certificate shall provide that the coverage therein afforded shall not be cancelled except with thirty (30) days prior written notice to the CLIENT.

MAGNA WATER DISTRICT

Clint Diley, P.E.
General Manager

Print Name and Title

Per: _____

STANTEC CONSULTING SERVICES INC.

Clint Rogers, P.E.
Vice President
Regional Business Leader, US Mountain, Water

Print Name and Title

Per:  _____

Magna Westside Collection System Improvements

Project 1B – Construction Support Services

Scope of Work

Task 1 - Project Management

Stantec's project management services include project administration, staff coordination, schedule compliance monitoring, preparation of Stantec fieldwork safety plans, project progress and budget monitoring, billing, and office support services to manage the project. Stantec assumes these services will be required throughout the duration of the project with monthly progress billing and project status reports.

Task 2 - Construction Management and Engineering Services During Construction

200.100 Construction Management

Construction Administration Services: The construction administration services will commence upon issuance of the executed agreement. Stantec will provide technical assistance to the Magna Water District (District) during the construction period. Stantec's assistance will consist primarily of reviewing material submittals, preparing responses to Contractor requests for information, preparing contract change directives, and preparing change order requests. These services are more fully described below.

During the 40 weeks of active construction, Stantec will assign a construction manager who will be responsible for the construction administration of the project. These services will include preparation of inspection and progress reports; staff coordination; reviewing Contractor invoices; coordination with the Contractor; implementation of a health and safety plan for Stantec staff; monitoring conformance to the project schedule; receiving, logging, and providing the initial review for submittals; coordinate and guide assignment of relevant submittals, RFIs, clarifications, change orders, test reports, etc.; and compiling and providing the District a complete set of RFIs, submittals, change orders, and other construction-related correspondence at the completion of the construction project.

Meetings: Stantec's Principal in Charge, Construction Manager, Trenchless Lead, and Inspector will attend a 2-hour long Pre-Construction Conference, assumed to be conducted onsite. Stantec will prepare the agenda and minutes for this conference.

During the construction phase, two (2) Stantec representatives will attend regularly scheduled 1-hour construction meetings. Agendas and minutes for the meetings will be prepared by Stantec. The budget for this task is based on 20 construction meetings.

Site Visits: Stantec's inspector will attend up to 16 site visits to observe construction progress. Stantec's Construction Manager will attend up to eight (8) site visits. Stantec's Principal in Charge will attend up to two (2) site visits. Site visits by the Inspector, Construction Manager, and Principal are anticipated to be completed within two (2) hours. Stantec's Trenchless Lead will be onsite as described in the trenchless portion of this document. Stantec will prepare a brief report for the District after each visit.

Requests for Information: Stantec will provide written interpretations in response to the Contractor's requests for information (RFIs), as may be necessary, to facilitate the proper execution of the Work. All interpretations and decisions by Stantec will be consistent with the intent of the Contract Documents. Stantec assumes that there will be no more than 12 RFIs throughout the project and that each response will require no more than four (4) hours to prepare. If the need to exceed the total number of hours budgeted for this task does arise, a proposal for budget increase may be presented for a change order to the agreement.

Change Orders: Stantec will coordinate the preparation of change order requests and prepare Construction Change Directives for review and approval by the District. Stantec will issue no change order to the Contractor that might commit the District to extra expenses, or otherwise

amend the construction contract without first obtaining the approval of the District. Stantec will prepare drawings, specifications and other supporting documentation as required to clarify and/or facilitate changes in the Work for review and approval by the District. Stantec will review and evaluate proposals from the Contractor regarding changes in the Work and submit recommendations to the District. Stantec assumes that no more than three (3) change orders will be necessary and that each change order will require no more than eight (8) hours to prepare and process.

Submittal Reviews: Stantec will review Contractor submittals for conformance with the contract documents and prepare a written response for each. Stantec assumes that the Contractor will review each submittal for general conformity and compliance prior to Stantec's review and that there will be no more than 30 submittals/re-submittals requiring no more than four (4) hours each to review and prepare a response. If the need to exceed the 120 total hours budgeted for this task does arise, a proposal for budget increase may be presented for a change order to the agreement.

Contractor's Requests for Payment: Stantec assumes the District will monitor the construction and installation activities and will review and approve the Contractor's requests for payment. Stantec will provide the District advice or interpretation as may be needed in their review of pay applications. The level of effort for this subtask assumes six (6) total payment reviews.

200.200 Trenchless Construction Management

Trenchless Construction Management services will include the following:

Project meetings and Progress Reports: Stantec's Trenchless Lead will be available to attend construction meetings during the trenchless phase of the project. Attendance will be virtual unless the Trenchless Lead is onsite as part of the inspection visits listed below. Eight (8) hours are budgeted for meetings.

Daily progress reports (20) will be generated during trenchless inspection. A total of 30 hours are budgeted for progress report development and review.

Submittal and RFI Reviews: Stantec will review Contractor submittals for conformance with the contract documents and prepare a written response for each. Stantec assumes that the Contractor will review each submittal for general conformity and compliance prior to Stantec's review and that there will be no more than five (5) Trenchless submittals and three (3) resubmittals requiring no more than four (4) hours each to review and prepare a response. 32 hours are budgeted for submittals.

Stantec will provide written interpretations in response to the Contractor's RFIs, as may be necessary, to facilitate the proper execution of the Work. All interpretations and decisions by Stantec will be consistent with the intent of the Contract Documents. Stantec assumes that there will be no more than five (5) trenchless RFIs and that each response will require no more than eight (8) hours. 40 hours are budgeted for RFIs.

Trenchless Inspection: Onsite field observation of trenchless construction; Stantec will provide observation services for the duration of trenchless installation beginning from trenchless setup and initial break in at the launch portal through installation of the final jacking pipe and contact grouting. The scope and budget for observation of carrier pipe installation and backfill grouting is not included. One (1) Stantec representative from the trenchless team will be onsite to observe the initial trenchless setup in the shaft through final casing installation and contact grouting. The following trips, durations, and hotel nights are assumed for this work as our trenchless inspector is not local.

- Trenchless setup three (3) workdays at 10 hours per day (one trip, four hotel nights)
- Trenchless installation 5 workdays at 10 hours per day (one trip, five hotel nights)

- Contact grouting two (2) workdays at 10 hours per day (one trip, three hotel nights)

We understand that durations are subject to change based on the Contractor's construction schedule, actual progress and chosen means and methods, which at this time are still being developed. Schedule changes may necessitate commensurate changes in pricing for the services described herein.

200.300 Project Closeout

Substantial Completion: Stantec's Principal in Charge, Construction Manager, Trenchless Lead, and Inspector will attend a four (4) hour site visit at the completion of the construction activities to identify any remaining work or work that was improperly constructed and a semifinal punch list of items requiring further action. Stantec will provide the list to the District and will rely on the District to determine the date of substantial completion and the date of final completion based on the District's determination of completion of the punch list. All records, inspections, written warranties and related documents required by the contract documents and assembled by the contractor shall be delivered to the District.

Record Drawings: Stantec will review and comment on the Contractor's "redline" marked-up as-built drawings showing the project as constructed, including dimensioned locations and sizes of buried utility lines. Such markups shall be provided by the Contractor within two (2) weeks of Substantial Completion. No site visits have been budgeted. Stantec will utilize these drawings to revise the project CAD drawings to reflect the conditions reported by the as-built drawings. Stantec will provide the District copies of the drawings in electronic file format (AutoCAD). Stantec has budgeted a maximum of 36 hours for this task. Stantec will not be responsible for verifying the validity of the redline set provided by the Contractor. Stantec will not perform any field investigation to confirm the final constructed facilities or resolve discrepancies. No changes will be made to the conformed specifications. No changes will be made once the initial submittals are provided to the District.

Deliverables:

- Monthly progress invoicing and reports
- Pre-Construction Conference agenda and minutes
- Progress meeting agenda and minutes
- Brief inspection reports after each site visit
- RFI and submittal review responses
- Record Drawings

Proposal Assumptions:

- It is assumed that the total project time from Notice to Proceed to Stantec through Project Completion will be 52 weeks and that the active construction time by the selected Contractor will be no more than 40 weeks.
- Stantec assumes the District will provide periodic onsite construction inspection services to confirm conformance with the Contract Documents.
- It is assumed that Stantec will take the lead on construction services being the main/first contact with the Contractor for RFIs, pay requests, submittals, change orders, and construction observation with Stantec sharing reviews with the District.
- It is assumed that the Pre-Construction Conference will be no more than two hours and conducted onsite.
- It is assumed that the progress meetings will be one hour and biweekly during the active construction time for up to 20 meetings conducted via teleconference.
- It is assumed that once the pipeline is installed, tested and accepted, Stantec will assist the District in preparation of the project punch list, inspection, start-up and project closeout activities.

- District reviews of submittals shall be conducted simultaneously with Stantec reviews. Changes noted from Stantec reviews shall be escalated to the District for authorization to request a change from the contractor.
- Stantec assumes that the Contractor will make a thorough review each submittal for general conformity and compliance prior to Stantec's review thus reducing the resubmittal rate. Stantec has assumed a 25% re-submittal rate in the 30 total submittals/resubmittals budgeted.
- Stantec has assumed the Contractor will provide drawing markups within 2 weeks of Substantial Completion.
- Materials testing, geotechnical review and support, and as-built surveying is not included in this scope of services.
- Stantec assumes the District will provide onsite construction inspection services to confirm conformance with the contract documents, with periodic visits from the Stantec team to support these efforts.
- Scope and budget for meeting attendance by those other than the Stantec inspector are not included.
- Inspection services covered herein include observation and reporting on construction activities and reporting on adherence to Contract Requirements. The inspector is not responsible for dictating means and methods of the Contractor or directing the Contractor in any way.
- Processed instrumentation data will be reviewed by the inspectors to evaluate trenchless performance and conformance with Contract requirements, but scope and budget for processing of raw or incomplete data is not included.
- Work efforts are based on the depiction of tasks described in this proposal.
- It is assumed that budgetary transfers between tasks can occur as needed.
- All inspection report deliverables will be provided electronically.
- Coordination with third parties not named within this scope is not included.
- It is assumed that the site is free from environmental contamination.
- Actual construction duration may be greater than estimated requiring commensurate changes in budget.
- Assumed that the health and safety plan for the work is to be developed by others.

The following is a breakdown of the fees associated with this change order:

Budget Summary Task	Hours	Labor	Expenses	Fee
Project Management				
Project Management	24	\$5,520.00	---	\$5,520.00
Construction Management and Engineering Services During Construction				
Construction Management	425	\$82,220.00	\$770.00	\$82,990.00
Trenchless Installation	274	\$53,960.00	\$7,700	\$61,660.00
Project Close Out	56	\$11,720.00	\$680.00	\$12,400.00
PROJECT TOTAL				\$162,570.00

Effect on Schedule: The project schedule requires that the contractor complete the open cut trenching work for the sewer line and manholes by July 31, 2025, and the trenchless crossing across Highway 201 within 12 months of Notice to Proceed. Stantec assumes that the total length of this contract is 12 months but that only 40 weeks will require active support.

Payments shall be made in accordance with the original agreement terms. All other items and conditions of the original Agreement shall remain in full force and effect.



FEE ESTIMATE - Magna Westside Project 1B

		Proc/CSM	Project Engineer (CM)	Inspector	PM	Co/D Leader	CM (Northwest)	CM (Northwest)	ODDs						
Name		Rogers, Clint	Pinna, Raphael	Yorgason, Steven	Fardal, Lisa	Marshall, Robert	Ruiz, Albert	McManus, Daniel							
Project Billing Rate (T&M)		\$278.00	\$176.00	\$208.00	\$230.00	\$219.00	\$244.00	\$182.00	\$1.10						
Total Units (T&M)		26.00	261.00	174.00	24.00	12.00	74.00	208.00	8,318.00						
Fee (T&M)		\$7,232.00	\$45,936.00	\$36,192.00	\$5,520.00	\$2,628.00	\$18,056.00	\$37,856.00	\$9,150.00						
										Project Summary	Hours	Labour	Expense	Subs	Total
										Total	779.01	\$153,420.00	\$9,150.00	\$0.00	\$162,570.00
WBS Code	Task Code	Task Name	Units							Task Type	Hours	Labour	Expense	Subs	Total
1 PROJECT MANAGEMENT										Time & Material	24.00	\$5,520.00	\$0.00	\$0.00	\$5,520.00
1.1		Project Administration	0.00			24.00				Time & Material	24.00	\$5,520.00	\$0.00	\$0.00	\$5,520.00
2 CONSTRUCTION MANAGEMENT & ENGINEERING SERVICES DURING CONSTRUCTION										Time & Material	755.01	\$147,900.00	\$9,150.00	\$0.00	\$157,050.00
2.1		Construction Management								Time & Material	425.00	\$82,220.00	\$770.00	\$0.00	\$82,990.00
2.1.1		Construction administration services		15.00	40.00					Time & Material	55.00	\$10,960.00	\$0.00	\$0.00	\$10,960.00
2.1.2		Meetings	6.00	40.00	24.00		4.00		100.00	Time & Material	74.00	\$14,876.00	\$110.00	\$0.00	\$14,986.00
2.1.3		Site Visits	12.00	24.00	56.00				500.00	Time & Material	92.00	\$19,208.00	\$550.00	\$0.00	\$19,758.00
2.1.4		Request for Information		36.00	12.00					Time & Material	48.00	\$8,832.00	\$0.00	\$0.00	\$8,832.00
2.1.5		Change Orders		12.00	12.00					Time & Material	24.00	\$4,608.00	\$0.00	\$0.00	\$4,608.00
2.1.6		Submittal Reviews		104.00	16.00				100.00	Time & Material	120.00	\$21,632.00	\$110.00	\$0.00	\$21,742.00
2.1.7		Contractors Request for Payment		6.00	6.00					Time & Material	12.00	\$2,304.00	\$0.00	\$0.00	\$2,304.00
2.2		Trenchless Installation								Time & Material	274.00	\$53,960.00	\$7,700.00	\$0.00	\$61,660.00
2.2.1		Trenchless construction management						32.00	7,000.00	Time & Material	32.00	\$5,824.00	\$7,700.00	\$0.00	\$13,524.00
2.2.1.1		Meetings/progress reports					14.00	24.00		Time & Material	38.00	\$7,784.00	\$0.00	\$0.00	\$7,784.00
2.2.1.2		Submittal Reviews					20.00	12.00		Time & Material	32.00	\$7,064.00	\$0.00	\$0.00	\$7,064.00
2.2.1.3		Request for Information					24.00	16.00		Time & Material	40.00	\$8,768.00	\$0.00	\$0.00	\$8,768.00
2.2.1.4		Inspection report					8.00	24.00		Time & Material	32.00	\$6,320.00	\$0.00	\$0.00	\$6,320.00
2.2.2.1		Site Visits						100.00		Time & Material	100.00	\$18,200.00	\$0.00	\$0.00	\$18,200.00
2.3		Project Close Out								Time & Material	56.01	\$11,720.00	\$680.00	\$0.00	\$12,400.00
2.3.1		Substantial completion site visit	8.00	4.00	4.00		4.00		500.00	Time & Material	20.01	\$4,740.00	\$550.00	\$0.00	\$5,290.00
2.3.2		Record Drawings		20.00	4.00			12.00	118.00	Time & Material	36.00	\$6,980.00	\$130.00	\$0.00	\$7,110.00

AE2S

TASK ORDER NO. 7

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services—Task Order Edition dated May 21, 2024, Owner and Engineer agree as follows:

1. TASK ORDER DATA

a.	Effective Date of Task Order:	December 12, 2024
b.	Owner:	Magna Water District
c.	Engineer:	Advanced Engineering and Environmental Services, LLC
d.	Specific Project (title)	2025 LCRR/LCRI Compliance Support
e.	Specific Project (description):	Develop drawings and specifications for new SCADA equipment at 25 locations throughout the District’s system. Procure a contractor for construction.
f.	Related Task Orders	2022 LCRR Compliance project for \$62,000 with 2024 amendment for \$20,000

2. BASELINE INFORMATION

Baseline Information. Owner has furnished the following Specific Project information to Engineer as of the Effective Date of the Task Order. Engineer's scope of services has been developed based on this information. As the Specific Project moves forward, some of the information may change or be refined, and additional information will become known, resulting in the possible need to change, refine, or supplement the scope of services.

Specific Project Title: 2025 LCRR/LCRI Compliance Support
 Description of Services: Replacement Plan, Replacement Funding Application, other related support
 Prior Studies, Reports, Plans: Initial LCRR Service Line Inventory
 Facility Location(s): Full Distribution System

3. SERVICES OF ENGINEER (“SCOPE”)

- A. The specific Basic Services to be provided or furnished by Engineer under this Task Order are:
 - Service Line Replacement Funding Application
 - Prepare Application to Drinking Water Board for SRF funding.
 - Provide technical support and coordination with DDW Staff as needed.
 - Service Line Replacement Plan
 - Prepare draft replacement plan compliant with LCRI requirements.
 - Finalize based on client comments and revise and needed upon use.

- Inclusion of Connectors into Service Line Inventory
 - Include information on service line connectors into the initial inventory as required for the LCRI baseline inventory.
 - Provide support for ongoing inventory updates, including GIS services.
 - Public Outreach Support
 - Advise, create, and/or coordinate outreach efforts related to public notification requirements and replacement coordination.
 - Project Management, Training, and Technical Support
 - Meetings, regulatory tracking and training as needed.
- B. All of the services included above comprise basic services for purposes of Engineer's compensation under this Task Order.
- C. Additional Services: Services not expressly set forth as Basic Services in Paragraph 3.A above, and necessary services listed as not requiring Owner's written authorization, or requiring additional effort in an immediate, expeditious, or accelerated manner as a result of unanticipated construction events or Specific Project conditions, are Additional Services, and will be compensated by the method indicated for Additional Services in this Task Order. All other Additional Services require mutual agreement and may be authorized by amending the Task Order as set forth in Paragraph 8.05.B.2 of the Agreement, with compensation for such other Additional Services as set forth in the amending instrument.

4. DELIVERABLES SCHEDULE

- A. In submitting required Documents and taking other related actions, Engineer and Owner will comply with the following schedule:

Party	Action	Schedule
Engineer	Submit draft replacement plan for Owner comment.	Within 14 days of Owner's authorization to proceed.
Engineer	Submit final replacement plan and SRF Application.	Within 45 days of the receipt of plan comments.
Engineer	Provide ongoing support and training for SRF application, inventory upgrades, public outreach, and rule implementation.	Upon request through 2025.

5. ADDITIONS TO OWNER'S RESPONSIBILITIES

- A. Owner shall have those responsibilities set forth in Article 2 of the Agreement, and the following supplemental responsibilities that are specific to this Task Order: None

6. TASK ORDER SCHEDULE

- A. In addition to any schedule provisions provided above or elsewhere, the parties shall meet the following schedule: None

7. ENGINEER'S COMPENSATION

- A. The terms of payment are set forth in Article 4 of the Agreement.

B. Owner shall pay Engineer for services rendered under this Task Order as follows:

Description of Service	Amount	Basis of Compensation
1. Basic Services		
Replacement Funding Application	16,500	Hourly
Service Line Replacement Plan	7,800	Hourly
Service Line Inventory Updates	3,000	Hourly
Public Outreach Support	8,000	Hourly / Expenses
Project Management, Training and Support	3,300	Hourly
TOTAL COMPENSATION (items 1 and 2)	\$38,600	

C. Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and Subconsultants' charges, if any. Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered.

8. ENGINEER'S PRIMARY SUBCONSULTANTS FOR TASK ORDER, AS OF THE EFFECTIVE DATE OF THE TASK ORDER:

None

9. ATTACHMENTS:

None

Execution of this Task Order by Owner and Engineer makes it subject to the terms and conditions of the Agreement and its exhibits and appendices, which Agreement, exhibits, and appendices are incorporated by this reference.

OWNER:

Magna Water District

By:

Date:

Name: Clint Dille

Title: General Manager

Address for giving notices:

Magna Water District

8885 W 3500 S

Magna, Utah 84044

United States

Designated Representative:

Name: Trevor Andra, PE

Title: District Engineer

Address:

8885 W 3500 S

Magna, Utah 84044

United States

Phone: 801-231-4249

Email: trevor@magnawater.com

ENGINEER:

Advanced Engineering and Environmental Services, LLC

By:

Date:

Name: Sam Fankhauser, PE

Title: Lehi Office Manager

Address for giving notices:

Advanced Engineering and Environmental Services, LLC

3400 North Ashton Boulevard, Suite 105

Lehi, UT 84043

Designated Representative:

Name: Marie Owens, PE

Title: Project Manager

Address:

3400 North Ashton Boulevard, Suite 105

Lehi, UT 84043

Phone: 801-505-1973

Email: marie.owens@ae2s.com

ATTACHMENT 1

Detailed Scope of Services

AE2S will perform the following tasks listed below for all drinking water and secondary water facilities, including wells, booster pump stations, tanks, and reservoirs.

Project Management. This task includes the following:

1. General project administration (resources, schedule, budget, invoicing, etc.)
2. An in-person kickoff meeting at the District office with AE2S and District staff to discuss the needs assessment and confirm desired outcomes of the upgrades.
3. Regular progress meetings held every other week for the assumed length of design & bidding (approximately sixteen weeks). These meetings will be held virtually via Teams. One progress meeting will also serve as the 75% design workshop. One progress meeting will serve and bidding evaluation and selection workshop.
4. Maintain consistent communication among AE2S staff and with the District via weekly progress reports and regular calls or emails for information.

Preliminary Design. This task includes the following:

1. Perform radio mesh system analysis to determine feasibility for the project. Compare to cellular and traditional radio systems and select the preferred alternative.
2. Finalize monitoring and control philosophy for each location.
3. Finalize decision regarding which locations will require a new control. Installing new control panel enclosures increases the construction cost and potentially lead time of construction completion. Decision to replace should be based on condition assessment and District staff preference.
4. Select all equipment required for the full SCADA upgrade.
5. Establish plan for integration of each site into the existing SCADA platform at the EDR plant (i.e. Ignition).

Detailed Design. This task includes the following:

1. Complete 75% and 100% drawings and specifications for each of the following 25 locations:
 - a. New Allen-Bradley PLC, new panel (no existing panel) – 4 total
 - i. Haynes wells 2, 8, 9
 - ii. Lower Irrigation Well 3
 - b. New Allen-Bradley PLC, replace existing panel – 4 total
 - i. Lower Irrigation Wells 1, 2
 - ii. 3500 S Tanks
 - iii. 4100 S Tanks
 - c. New Allen-Bradley PLC, existing panel – 13 total
 - i. Barton wells 1-5
 - ii. Haynes wells 4, 7
 - iii. Zone 3 Tank
 - iv. 7600 W PS
 - v. 8000 W PS
 - vi. Zone 3 PS
 - vii. Irrigation PS
 - viii. Zone 3 Secondary PS
 - d. New Signal Fire Ranger, replace existing panel – 2 total
 - i. Alliant Tech East
 - ii. Alliant Tech West

- e. New Signal Fire Ranger, existing panel – 1 total
 - i. Irrigation Zone 1 Pond
 - f. New Allen-Bradley PLC, replace Gateway – 1 total
 - i. EDR plant (new workstation already installed)
2. Perform construction cost estimating at 75% and 100% design milestones. 20% contingencies will be assigned to the 100% cost estimate. Actual construction costs depend greatly on contractor availability and interest in the project.

Bidding. This task includes the following:

- 1. Attending a pre-bid meeting with District staff.
- 2. Answering questions, providing clarifications, and issuing an addendum if necessary. Only one addendum would be anticipated.
- 3. Evaluate bids from contractors to determine responsiveness and qualifications. Provide the District with recommendation for selection.

WESTSIDE COLLECTION



BOARD OF TRUSTEES
Mick Sudbury, Chairman
Jeff White
Dan L. Stewart

GENERAL MANAGER
Clint Dilley

December 4, 2024

Clint Dilley, P.E.
Magna Water District
8885 West 3500 South
Magna, UT 84044

**Subject: Westside Collection Projects RFQ for Engineering Services
Recommendation for Selection of Consulting Firms**

Clint,

Qualifications were requested from four engineering consulting firms (Stantec, AE2S, JUB Engineers, and Bowen, Collins & Associates) to provide engineering services for the Westside Collection Projects. Three responses were received.

A six-person selection committee performed a detailed review of the submissions and after careful evaluation, scoring and discussion, we recommend that Bowen Collins & Associates and JUB Engineers be selected to provide engineering services for the remaining Phases of the Westside Collection projects. Phases 2 thru 5 would be alternated between the consultants.

We request that the board approve this selection. Staff intends to request a scope of work and negotiate for a fair and reasonable fee for services for Phase 2 in early 2025 at which time we will bring that to the Board for approval.

Please let me know if you have any questions or concerns.

Sincerely,

Trevor Andra, P.E.
District Engineer
Magna Water District



Statement of Qualifications
for
**Engineering Services for
Westside Collection Projects**

November 2024

Prepared by:



(801) 495-2224 | bpacker@bowencollins.com

Prepared for:



November 4, 2024

Trevor Andra, P.E. District Engineer
Magna Water District
8885 West 3500 South
Magna, Utah 84044**Subject: Statement of Qualifications for the West Side Collection Projects**

Trevor:

Bowen Collins & Associates (BC&A) appreciates the opportunity to submit the attached statement of qualifications for the Westside Collection Projects. BC&A has extensive experience in planning, designing, and managing construction of large sewer pipelines for sewer and water districts like yours. After years of working together, we are emotionally invested in MWD and want to be involved in its continued success. For this reason, we have assembled an experienced and qualified team that will ensure we meet your project and schedule requirements. Our team has identified a few key issues regarding why BC&A would be your best choice to complete this project.

- **Understanding the District's Needs for this Project** – BC&A successfully completed the 2020 MWD Sewer Master Plan and is currently updating the District's 2025 Sewer Master Plan. Like other regions in the state, we are seeing the Magna City area and developers planning for higher densities to accommodate housing demands, leading to increased sewer flows. As we finalize the 2025 MWD Sewer Master Plan, we will gather crucial insights into the current capacity requirements for the Westside Collection Projects. *By selecting BC&A, you can be rest assured that the pipelines will be appropriately sized for hydraulic performance.*
- **Experience Working with Kennecott/Rio Tinto, Salt Lake County and UDOT**– Nearly half of the Westside Collection Projects will necessitate acquiring easements or permitting agreements from Kennecott/Rio Tinto, Salt Lake County, and UDOT. BC&A has extensive experience collaborating with all three entities to secure these agreements or easements. We successfully worked with Kennecott/Rio Tinto to acquire approximately 10 miles of pipeline easement for installation. We also obtained two easements for crossing UDOT property and two agreements for traversing UDOT right-of-way for the Lehi-American Fork Outfall Project. *By choosing BC&A, you can be confident that there will be no learning curve for our team in obtaining the necessary agreements and easements.*
- **Experience with Trenchless Construction** – BC&A has successfully executed numerous sewer pipeline projects utilizing trenchless construction or tunneling beneath UDOT roadways and canal structures. A notable example is the 11800 South Sewer Project, where we installed over 500 feet of 42-inch sewer under the Mountainview Corridor using a 60-inch casing and guided pipe ramming trenchless technology. This project also included crossings beneath the Utah Lake Distributing Canal and Welby Jacob Canal. *Our design team excels at evaluating soil conditions and tunneling requirements to ensure successful crossings under roadways and canal structures.*

Our personnel and proposed project team are available and ready to begin work on your project. We are anxious for the opportunity to work with you like we have on many other important MWD projects.

Sincerely,

Bowen Collins & Associates, Inc.



Brent Packer, P.E., Principal/Project Manager



INTRODUCTION

Bowen, Collins & Associates (BC&A) is pleased to submit a Statement of Qualifications to provide professional engineering services for the Westside Collection Projects. BC&A's 2020 master planning work along with the master planning work that we are currently working on with Magna Water District (MWD) helped to identify the need and requirements of these projects. Our understanding of this project and its challenging requirements have allowed us to select a team that is perfectly suited for this important project. The following Statement of Qualifications addresses the specific items requested by the District's solicitation. We will demonstrate our (1) Project Specific Qualifications, (2) Project Team, (3) Key Project Specific Considerations, (4) Work Plan/Approach to Work, and (5) Past Performance that will be essential to the successful completion of this project.

1 PROJECT SPECIFIC QUALIFICATIONS

To successfully complete the Westside Collection Projects, the qualified engineering consultant must possess a diverse range of technical knowledge and expertise tailored to the project's specific requirements. This includes conducting quality surveys and subsurface utility investigations along the proposed sewer corridors, designing the sewer pipeline with precision, and performing final hydraulic analyses. Collaboration with key stakeholders such as UDOT, Rio Tinto (Kennecott), and the Utah & Salt Lake Canal (U&SL) is essential for timely acquisition of easements and permitting approvals. Additionally, proficiency in tunneling design for crossing under UDOT streets and the U&SL Canal is critical for successful tunneling operations. Finally, the ability to assess the construction feasibility and cost of the sewer design is imperative to ensure the project is both constructible and within budget.

Bowen, Collins & Associates (BC&A) is an engineering consultant that easily meets these qualifications as demonstrated in this SOQ. We are a local engineering firm that specializes in water and wastewater resources. Our firm is comprised of the largest staff of local water professionals in the State of Utah, including engineers and support staff with decades of experience providing planning, engineering, and construction management services for sewer projects throughout the Intermountain West. The following briefly describes BC&A's qualifications that are specific to the requirements of the project.





Survey and Subsurface Utility Investigation Expertise – BC&A has teamed with Apex Surveyors and KCI Technologies, Inc. to conduct land surveying, existing utility research, and potholing, as outlined in the organization chart below. We have worked together for nearly 20 years, successfully completing numerous pipeline projects. Gary Wier from Apex Surveyors brings over 30 years of experience as a licensed surveyor in Utah and is highly skilled in right-of-way research, making him exceptionally qualified to handle the UDOT right-of-way work required for this project and related field activities required for this project. KCI Technologies specializes in utility research and potholing successfully completing hundreds of similar projects each year.



Sewer Pipeline Design and Hydraulic Analysis Expertise - Our proposed project manager and project engineer, Brent Packer and Steven Meyer, collectively bring over 47 years of experience in designing sewer collection systems that comply with Utah Administrative Code R317-3 Design Requirements for Wastewater Collection Treatment and Disposal Systems. Together, they have completed nearly 80 sewer pipeline projects in Utah, with diameters ranging from 8 inches to 60 inches, serving various sewer districts and cities, including the Jordan Basin Improvement District (formerly South Valley Sewer District), Timpanogos Special Service District, Granger Hunter Improvement District, Salt Lake City Department of Public Utilities, Provo City, and Sandy City, among others. Each project involved hydraulic analyses to ensure that adequate capacities were met. We typically utilize FlowMaster, InfoSWMM, or AquaTwin sewer modeling software for these analyses, selecting the most suitable tool based on the specific needs of each client and project.



Easement Acquisition and Permitting Expertise – BC&A has successfully completed numerous pipeline projects that required easements, agreements, and permits from UDOT, Rio Tinto, and canal companies such as U&SL Canal. One notable project is the Southwest Groundwater Byproduct Pipeline, which involved securing approximately 10 miles of pipeline easements from Rio Tinto for installation. Another significant project is the Lehi-American Fork Outfall line, where we acquired two easements for crossing UDOT property and two agreements for traversing UDOT right-of-way. Additionally, the 11800 South Sewer Project necessitated obtaining canal crossing permits from the Utah Lake Distributing Canal and Welby Jacob Canal, which had similar requirements to those of the U&SL Canal.



Trenchless Construction under UDOT Roadway and Canal Structures – BC&A has successfully completed numerous sewer pipeline projects that required trenchless construction or tunneling beneath UDOT roadways and canal structures. One example is the 11800 South Sewer Project, where over 500 feet of 42-inch sewer crossed under the Mountainview Corridor using a 60-inch casing and guided pipe ramming trenchless technology. This project also included crossings under the Utah Lake Distributing Canal and Welby Jacob Canal, employing the same casing and trenchless techniques. Our design team is adept at analyzing soil conditions and tunneling requirements for successful crossings beneath roadways and canal structures. For more complex applications, we have partnered with Ryan Marsters from GEI, as indicated in our organization chart, who adds valuable tunneling engineering expertise to our team.

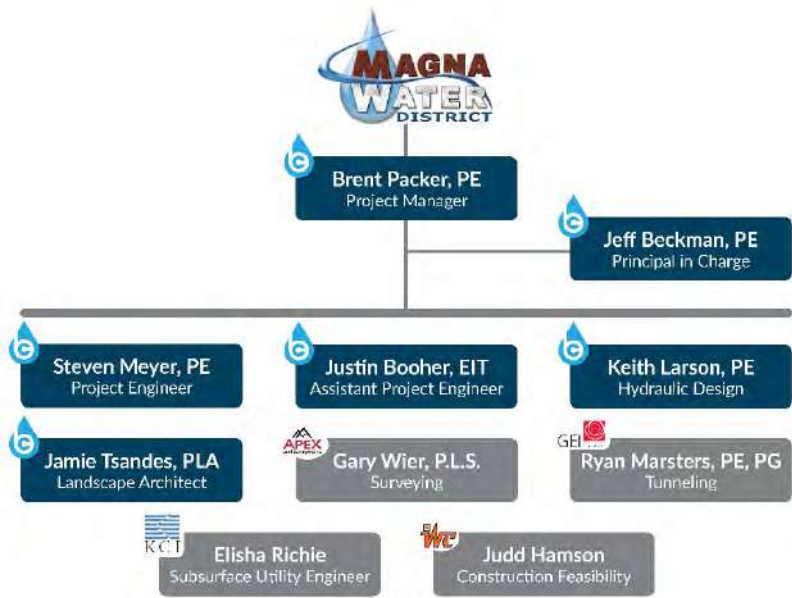


Construction Feasibility and Engineer's Opinion of Probable Costs – We approach all our pipeline projects with a focus on construction feasibility and cost efficiency. To support these efforts, we have partnered with Judd Hamson from Whitaker Construction, who reviews our drawings throughout the project to offer constructability feedback from a contractor's perspective. Additionally, we collaborate with Judd on cost estimating to ensure our estimates reflect current construction costs. This collaboration has proven particularly valuable during the high inflation experienced in the construction market over the past five years.



2 PROJECT TEAM

Project team members are the critical element to the successful completion of any kind of project. We have selected a project team that provides the expertise necessary to deliver a quality engineering design that addresses the critical issues and objectives of the project. The majority of the team is known to MWD and is familiar with the processes and expectations of MWD in executing design projects. Team members and proposed roles are detailed in the organizational chart displayed to the right.



Brent Packer, P.E., Project Manager. Brent will collaborate closely with the

MWD staff and the project team to ensure effective communication, high-quality design, and adherence to the engineering budget throughout all phases of the Westside Collection Project, including design, bidding, and construction. Brent has over 28 years of engineering experience in designing municipal and private land development projects and has served as a principal at Bowen, Collins & Associates since 2009. He has worked on a range of sewer pipeline projects for clients such as the Salt Lake City DPU, Jordan Basin Improvement District, Granger-Hunter ID, and Timpanogos SSD, with pipe diameters spanning from 8 to 60 inches. Notable sewer projects he has designed along streets crossing UDOT right-of-way include 7200 South, 10000 South Sewer, and 14000 South. These projects required close collaboration with the UDOT Permits Office to ensure compliance with UDOT requirements related to lane closures, tunneling, open cut excavation and backfill, street restoration, and public involvement.



Jeff Beckman, P.E., Principal-in-Charge. Jeff will ensure that BC&A’s resources are allocated to this project efficiently in order to guarantee another successful and timely project for MWD. Jeff’s approachability and leadership style encourages unity between the BC&A and MWD team. He brings over 27 years of experience in the planning, design and construction management of a wide range of municipal wastewater collection and treatment projects. Jeff will serve as the principal-in-charge for this project. He has been involved with numerous MWD projects in the past including the Sewer Master Plan Study, WRF Reuse Project, WRF Influent Pumps Station, and Brine Pump Station Projects. Jeff’s experience includes numerous wastewater and water master plans that included hydraulic computer modeling, flow projections, alternative analysis and recommendations for capital improvements. He also has vast experience with detailed design of wastewater collection and treatment systems.



Steven Meyer, P.E., Project Engineer. Steven will work closely with the project team and key stakeholders to ensure that all aspects of the design are fully addressed, including sewer design, hydraulic requirements, and the permitting and easement requirements from UDOT, Kennecott/Rio Tinto, and MWD. Steve has 19 years of experience in wastewater collection systems design, trenchless design, and pipeline and manhole rehabilitation design. Steven has provided design, construction management, and cost analysis and estimation for several wastewater districts and cities throughout Utah and Colorado some of which include Jordan Basin Improvement District, Snyderville Basin WRD, Timpanogos SSD, City of Moab, and Granger-Hunter Improvement District. Steven’s experience includes numerous wastewater projects crossing UDOT rights-of-way via open cut and trenchless methods and projects constructed within golf courses including the Jeremy Ranch Golf & Country Club in Park City, UT.



Keith Larson, P.E., Hydraulic Design Lead. Keith will lead the efforts of the hydraulic modeling for the Westside Collection Project. He has extensive experience in hydraulic modeling and water system master planning. Keith managed MWD's 2020 Wastewater Master Plan and is the current project manager for the master plan's 2025 update. Within the past few years, he has prepared hydraulic models and completed master plans for dozens of wastewater systems including Salt Lake City, Provo, South Valley SID, Central Weber ID, and Timpanogos SSD. This includes some of the largest most complicated collection systems in the region with service populations exceeding 200,000. Keith most frequently uses InfoSWMM by Innovyze for modeling activities on these projects but has also used a number of different modeling programs as dictated by the needs and request of the client. Other hydraulic modeling software used in recent projects includes AquaTwin Sewer, SewerGEMS, InfoWorks, ASSA, and SWMM 5. Keith is experienced in designing sewer systems with complicated hydraulics. He has been successful at finding solutions that provide smooth hydraulic transitions between potentially abrupt changes in vertical or horizontal alignment – resulting in improved hydraulic and odor performance for owners.



Justin Booher, EIT, Assistant Project Engineer. Justin will work with the project engineer during all phases of the project assisting with survey coordination, sewer design, specification preparation, etc.. Justin worked on the Exchange Park Sewer Upgrade Columbia Lane Crossing for Provo City, where he provided design and cost analysis services for a 24-inch sewer line and 16-inch waterline crossing the Provo River. Justin provided construction management services for the 11800 South Sewer and Water Project for Jordan Basin Improvement District which included 22,100 feet of 8-inch to 48-inch sewer pipe installed from 2700 W to 6000 W crossing UDOT ROW – Bangarter Highway and Mountain View Corridor.



Jamie Tsandes, PLA, ASLA – Jamie will prepare the landscape restoration plan for the Copper Club Golf Course as part of the Westside Collection Projects. Jamie has 26 years of experience in landscape architecture and manages the landscape architectural services of BC&A. Her areas of expertise include ecological design and restoration, community planning and design, parks and recreation, and water conservation methodologies. Jamie has completed numerous landscaping plans for parks, park restoration, and golf course restoration.

Gary Wier, P.L.S., Surveying, (Apex Land Surveyors). Gary will provide the surveying and easement legal descriptions for the project. Gary is a Utah licensed surveyor and has owned in own surveying company for over 20 years. His experience includes all field surveying for projects involving engineering design surveys, ALTA surveys, property boundary surveys, right-of-way delineation, easement legal descriptions, and small to medium sized construction staking projects.

Ryan Marsters, P.E. P.G., Pipe Bursting and Tunneling Expert (GEI). Ryan Marsters will provide technical expertise for tunneling crossings under difficult areas consisting of poor soil tunneling conditions that may be needed for the UDOT right-of-way and canal crossings. Ryan has 18 years of progressive experience in tunneling and underground construction for transportation, water, storm sewer, and sanitary sewer applications.

Elisha Ritchie, Subsurface Engineer, (KCI). Elisha will be the key contact with KCI to schedule subsurface utility engineering (SUE) efforts to locate existing utilities throughout the project. She has successfully managed and directed hundreds of SUE projects nationally with her focus on the state of Utah. Her experience includes managing the data collection of existing utilities both horizontally and vertically and completing projects on schedule and within budget for various local agencies, DOTs and municipalities in the southwest. These relationships, combined with an emphasis on quality, allow Elisha to provide the highest quality service for clients.

Judd Hamson, Value Engineering/Constructability (Whitaker Construction). Judd Hamson will provide constructability insight to the project from a contractor's point of view and assist with the construction cost estimating. Judd has a Bachelor of Science degree in civil engineering from the University of Utah and has over 26 years of experience working in the pipeline construction industry for Whitaker Construction.

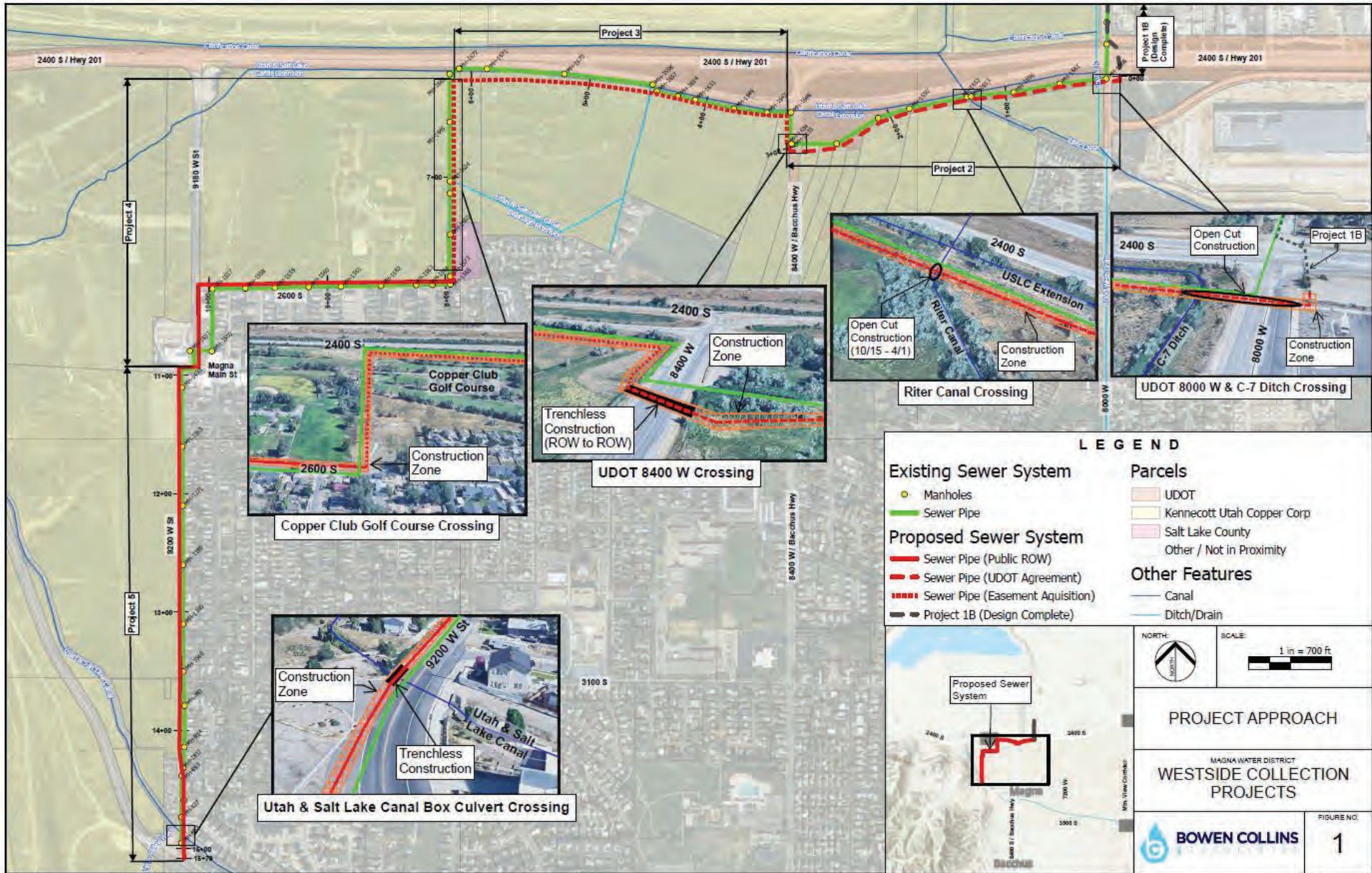


3 KEY PROJECT CONSIDERATIONS

Although there are challenges of constructing a new sewer line within UDOT right-of-way, Copper Club Golf Course, and existing subdivision streets, BC&A has developed an approach that will help make this project feasible and readily achievable. We offer the following key project considerations that we feel will be critical to the success of constructing the Westside Collection Projects. We have also prepared the attached Figure 1 to better illustrate these considerations.

- **Sewer Modeling and Hydraulic Design** – BC&A is currently updating MWD’s 2025 Sewer Master Plan. After gathering planning information from Magna City and local developers, we are observing an increase in density that is leading to higher sewer flows in the Westside Collection pipelines. As we finalize the 2025 MWD Sewer Master Plan, we will gain valuable insights into the current capacity needs for the Westside Collection Projects, ensuring that the pipelines are hydraulically sized appropriately.
- **Survey and Subsurface Utility Investigation** – Accurate survey data and existing utility information will be essential for the new sewer design to minimize the risk of conflicts with other utilities and structures. We have partnered with Apex Surveyors and KCI Technologies, who specialize in this type of work.
- **Easement Acquisition & Permitting** – Nearly half of the Westside Collection Projects will require the acquisition of easements or permitting agreements from Rio Tinto, Salt Lake County, and UDOT, as illustrated in the attached Figure 1. BC&A has extensive experience working with all three entities on past projects to secure these easements or agreements. We will engage with each organization early in the design process to clearly communicate the District’s needs for the new sewer line, including both permanent and temporary construction easement requirements. Additionally, we will work with an appraiser to determine the necessary compensation for acquiring the easements.
- **Copper Club Golf Course Impact** – The construction of Westside Collection Projects 3 and 4 will affect the Copper Club Golf Course, which is owned and operated by Rio Tinto. In addition to coordinating with Rio Tinto to secure the necessary easement through the golf course, we will collaborate closely with them to schedule construction during the winter months. This timing will help minimize impacts on their summer revenue when the golf course is in full operation. Jamie Tsandes, BC&A landscape architect, will also work with them to restore the golf course to its original condition.
- **Trenchless Construction Under UDOT ROW and U&SL Canal** – The Westside Basis of Design Report prepared by Stantec Consulting states that trenchless construction methods need to be used for the sewer crossing 8400 West and crossing under the U&SL Canal near Intersection of 9200 W and Standard Ct. As stated above, BC&A and their subconsultant GEI are well qualified to design the sewer crossings of 8400 West and U&SL Canal. We will work closely with the geotechnical engineer, hired by the District, to specify the appropriate requirements for the trenchless construction crossings.
- **Engineer’s Estimate of Probable Costs and Constructability** – Accurate estimates of probable construction costs will be crucial during the design process to ensure the project stays within the District’s construction budget. We have partnered with Judd Hamson from Whitaker Construction to review our cost estimates to ensure they reflect current market conditions. He will also provide valuable insight to the constructability of the project which assists in reducing cost of the project.







4 WORK PLAN / APPROACH TO WORK

Based on the key issues described above, our approach will focus on the following key services.

PREDESIGN

Survey: Apex Surveyors will perform the land surveying of the project. They will provide topographical data, contours, and map existing structures (curb and gutter, sidewalk, bridge abutments, etc.) and existing utilities (sewer, water, storm drain, powerlines, etc) that are visible from the surface. Additionally, they will provide pipe sizes and pipe slopes while they are acquiring the flowline elevations of existing sewer and storm drain as needed. The deliverable will be a list of the manholes with their rim and flowline elevations, their northings and eastings, and a CAD file with the details of the coordinate system used along with the topographical data.

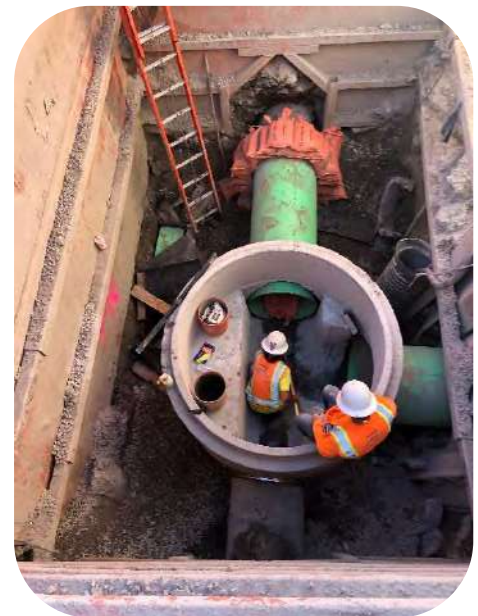
Subsurface Utility Investigation: KCI Technologies will provide subsurface utility engineering (SUE) services quality level “D” as-built/record drawings from utility owners as per ASCE 38-02 ‘The Standard Guideline for the Collection of Depiction of Existing Subsurface Utility Data.’ After evaluating and determining if any of the mapped utilities need to be potholed to confirm their location, KCI will perform the necessary test holes to locate the utility both horizontally and vertically. The exact number of test holes will be determined at the time of finalizing the engineering contract.

Hydraulic Analysis: The MWD 2020 Sewer Master Plan prepared by BC&A recommended new pipe sizes ranging between 15 and 30 inches in diameter and pipeline lengths based on the deficiencies identified in the District sewer model. As mentioned above, BC&A is currently preparing the MWD 2025 Sewer Master Plan update and have observed an increase in density that is leading to higher sewer flows in the Westside Collection pipelines. As we finalize the 2025 MWD Sewer Master Plan, we will gain valuable insights into the current capacity needs for the Westside Collection Projects, ensuring that the pipelines are hydraulically sized appropriately.

The Westside Collection Projects Basis of Design Report, prepared by Stantec Consulting, stated that one stretch of pipe between SSMH-57 and SSMH-56 may have flow velocities that reach 15.39 fps during peak flow conditions potentially creating a higher risk of scouring in the pipeline. We will take a closer look at this segment of pipeline and determine if this risk needs to be mitigated with a drop type manhole.

Geotechnical Analysis by Others: Based on discussions with MWD, the District will contract the geotechnical investigation separately from the civil engineering contract. BC&A will work with the District and their geotechnical engineer consultant to confirm the scope of the geotechnical field work and analysis to address the needs of the open cut and tunneling construction areas of the project.

Easement Acquisition: We anticipate that perpetual sewer and temporary construction easements will be required from Rio Tinto for the Copper Club Golf Course and from Salt Lake County, as illustrated in Figure 1. UDOT does not grant easements through their right-of-way; instead, they issue agreements for crossing their right-of-way. BC&A will meet with Rio Tinto and Salt Lake County to initiate the easement acquisition. Apex Surveyors will prepare the legal descriptions and exhibits for the easement documents, while BC&A will coordinate with MWD’s attorney to finalize the easement documents for execution and recording at the Salt Lake County Recorder’s Office. We expect that MWD will engage an appraiser to determine the value of the easements for acquisition. We can provide recommendations for appraisers if the District requires assistance.





Permitting: BC&A will develop a permit matrix to identify required permits and their requirements early in the project and guide the project development with those permits in mind. We anticipate permits will be required by UDOT, U&SL Canal, and Magna City, as well as design approval by MWD.

Value Engineering: We anticipate there may be some aspects of the project that will be difficult to construct or ways to save the District money based on how the project is designed and constructed. As we described above, we have teamed with Judd Hamson with Whitaker Construction to assist with value engineering, constructability issues, and cost estimating of the project

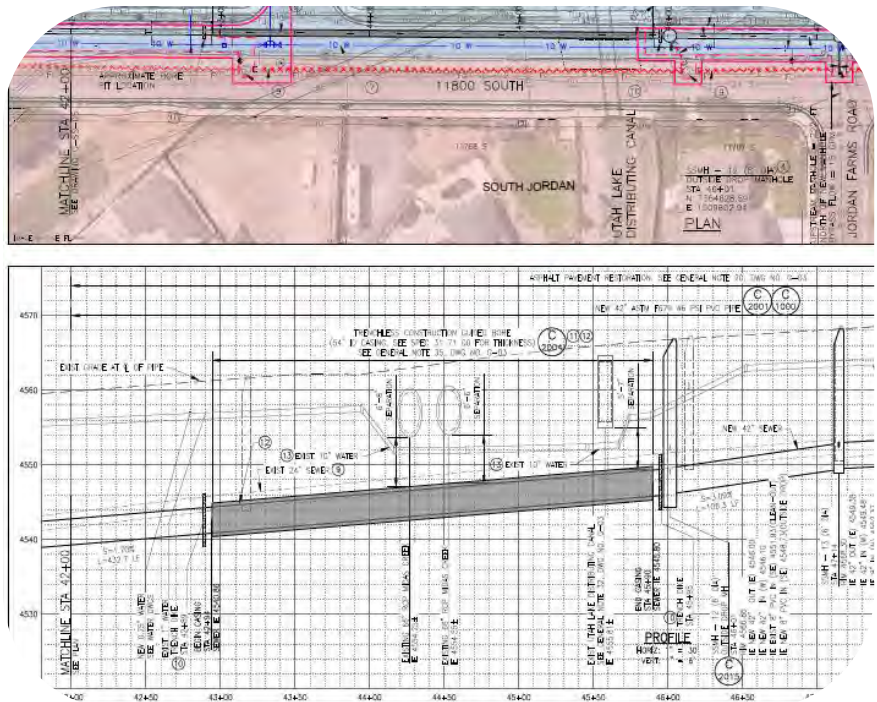
DESIGN

Design, Meetings, and Deliverables: A design kick-off meeting will be held to discuss schedule, mileposts, easement acquisition, permitting and design criteria. BC&A will prepare 30%, 60%, and 90% plan and profile drawing and specification packages of the Westside Collection Projects for review by the District. Each submittal package will be accompanied with a design review workshop with MWD staff to review the design progress, highlight specific design components and answer questions, pursuant to staff's review. During design BC&A will assist the District in obtaining the required permits.

Contractor Prequalification: BC&A will prepare the Request for Contractor Prequalification documents for public advertisement. These documents will outline the prequalification criteria required for contractors to perform the work and to be eligible to bid on the project. The requirements will encompass business stability, safety records, insurance requirements, and relevant experience. Additionally, BC&A will assist the District in reviewing the contractor prequalification submissions and will compile a list of prequalified contractors.

Bidding: BC&A will prepare the Contract Documents to bid the project including the invitation to bid, bid schedule, and measurement and payment. We anticipate that the District will advertise the project. BC&A will provide answers to technical questions from the bidders, prepare for and conduct a pre-bid conference, provide addendums, and assist with the bid opening including review of the bids and an award recommendation based on the requirements of the bid.

Construction Management: BC&A has an experienced team of engineer's representatives that can work with District staff to provide construction management services and observation during construction. In addition to daily observations, construction management services will include regular construction progress meetings, review of contractor submittals including pay requests, RFIs, shop drawings, and schedules.





5 PAST PERFORMANCE

The BC&A team has more sewer pipeline design experience than any other firm in Utah. The following projects described below are similar to your project and are representative of our experience in large diameter sewer pipelines including work within UDOT rights-of-way and golf courses from the last 13 years. References for each project are listed.

North Area Relief Sewer Project – Construction 2020-21. BC&A completed the design and construction management services of 8,740 feet of 18-inch PVC sewer force main and 4,550 feet of 36-inch Hobas gravity sewer in high ground water conditions for Central Weber Sewer Improvement District located in 2700 West between 2600 North and the Central Weber’s Wastewater Treatment Plant in Ogden, UT. The project included tunneling under 2600 North (UDOT right-of-way) using a guided tunnel bore machine and installing a 30-inch steel casing. This required coordinating with UDOT Region 1 Permitting Office to ensure the design met the UDOT design and permitting requirements. The project also included



Reference:
James Dixon, P.E., Technical Director,
Central Weber Sewer Improvement District, 801-731-3011

other tunnel crossings such as the Plain City Irrigation Canal, Mountain View Irrigation utilities, and behind private property homes to not impact landscaping and resident privacy.

700 South Interceptor Capacity Upgrade and Water Main Replacement – Construction 2020. BC&A completed the design and construction management services for a 3,000 linear foot 18- and 30-inch PVC sewer pipeline and a 3,100 linear foot 12-inch water pipeline in 700 South between Interstate 15 and 300 West in Salt Lake City, UT. The project included obtaining a Union Pacific License Agreement and UTA Right of Entry Permit to tunnel (via guided pipe ramming technology) under six sets of railroad tracks east of Interstate 15 in 700 South. The project also included a screening level environmental investigation to determine if the project corridor in 700 South contained any

Reference:
Derek Velarde, P.E., Assistant Director of Design and Construction,
Salt Lake City Department of Airports, 801-209-3553

contaminated soil or groundwater due to the historical industrial buildings in the area. No contaminated soil or groundwater was found.

South Jordan Force Main Project – Construction 2010-11. BC&A completed the design and construction management services of two 42-inch (O.D.) HDPE force main pipelines, approximately 18,000 feet long, between Jordan Basin Improvement District’s South Jordan Pump Station (South Jordan, Utah) and their Jordan Basin Water Reclamation Facility (Riverton, Utah), including within the Riverbend Golf Course in Riverton, UT. This Project included two Jordan River crossings (open cut) and two road crossings (via Microtunnel – a trenchless technology), one of which being 12600 South (UDOT right-of-way). BC&A also designed 1,800 linear feet of 36-inch PVC gravity sewer line, as well as addressed



Reference:
Joel Thompson, General Manager,
Jordan Basin Improvement District, 801-571-1166

the restoration of wetlands, the Jordan River Trail, and the golf course. They also participated in the development and acquisition of permanent and temporary construction easements for the District for the Project.

Below is a list of other large diameter sewer projects that BC&A has completed over the past 20 years within UDOT rights-of-way and golf courses that include a variety of unique project features.



SOQ – WESTSIDE COLLECTION PROJECTS

PROJECT NAME	KEY PROJECT PERSONNEL	CLIENT	CLIENT REFERENCE	PROJECT DESCRIPTION	Work Located in UDOT ROW	Work Located in a Golf Course	YEAR COMPLETED
<i>Sanitary Sewer Projects</i>							
3100 South Bypass Sewer Project	Brian Romrell	Granger-Hunter Improvement District	Todd Marti Asst. GM/District Engineer 801-968-3551	The purpose of the 3100 South Sewer Bypass project is to construct a new bypass sewer line that will provide wastewater conveyance between two of the District's principal sewer lift stations. The work consists of constructing approximately 1,450 linear feet of new 36-inch SDR 35 PVC sewer pipeline including approximately 240 linear feet of jack and bore installation of 48-inch steel casing.	✓		2017
9000 South Water and Sewer Pipelines	Brian Romrell	City of West Jordan	David Murphy Capital Projects Manager 801-569-5074	This project was to abandon in-place an existing 16-inch water main and construct 1,100 lineal feet of new 16-inch PVC water main in 9000 South. The water main connected to an existing Jordan Valley Water Conservancy District pipeline at Bangerter Highway and extended east and then crossed 9000 South and connected to an existing valve vault. The project also included abandoning an existing 12-inch sewer main and constructing a new 24-inch sewer main in a new location. These pipelines were "betterments" for the city of West Jordan as part of the Bangerter Interchange Project.	✓		2017
10000 South Sewer between State Street and Centennial Parkway	Brent Packer Steven Meyer	Jordan Basin Improvement District	Joel Thompson District Manager 801-571-1166	BC&A provided design and construction services for replacing 1,370 feet of 8-inch and 15-inch sewer in 10000 South in Sandy, Utah. Trenchless construction methods were used where the pipeline crossed State Street. Concrete pavement was restored in 10000 South after construction was completed	✓		2015
I-15 Crossing Project	Brian Romrell	Sandy Suburban Improvement District & Jordan Basin Improvement District	Scott Neilsen Project Manager 801-561-7662	This project included designing and constructing 700 feet of 30-inch PVC Sewer main in a 54-inch diameter steel casing under the I-15 roadway and under the UTA Frontrunner/Union Pacific Railroad tracks. The new sewer pipeline provided a redundant pipeline crossing under I-15 and allowed for future bypass and rehabilitation of the original 30-inch sewer pipeline that crossed I-15.	✓		2013
West Industrial Park Water Main Replacement Project	Brian Romrell	Ogden City	Justin Anderson City Engineer 801-801-629-8998	BC&A provided engineering services to install 5,100 feet of 12-inch and 14-inch waterline in 1900 West (UDOT ROW), and 16,000 feet of 8-inch to 14-inch waterline in nearby Ogden City streets. The project included coordinating closely with the UDOT Region 1 Permitting Office to address construction details of the waterline and traffic control requirements within UDOT ROW. A significant amount of coordination with Union Pacific Railroad for railroad crossings was also conducted to ensure a successful project.	✓		2012
Jeremy Ranch Lift Station Rehabilitation Project	Kirk Bagley Eric Neil Steven Meyer	Snyderville Basin Water Reclamation District	Kevin Berkley District Engineer 435-731-0424	This project included the rehabilitation of an existing wastewater lift station, as well as the replacement of 1,320 linear feet of 12-inch to 15-inch sewer force main and gravity lines through the Jeremy Ranch Golf & Country Club in Park City, UT. This project also included the necessary coordination to work within and restore the golf course with their management.		✓	2011
12600 South Diversion to JBWRF	Brent Packer Steven Meyer	Jordan Basin Improvement District	Joel Thompson General Manager 801-571-1166	The project included designing approx. 7,000 feet of 36-inch and 48-inch gravity sewer line from 12600 South to Jordan Basin Water Reclamation Facility in Riverton, Utah. This included crossing through and restoring the Riverbend Golf Course in Riverton, UT.	✓	✓	2010
11400 South State Street to Bangerter Project	Brent Packer	Jordan Basin Improvement District	Joel Thompson General Manager 801-571-1166	BC&A provided the sewer utility drawings for the UDOT 11400 South project following UDOT design and drafting standards. The design included 8,800 feet of 42-inch sewer, lateral reconnections, 3 canal crossings by jack and bore, crossing Redwood Road with 210 feet of steel casing by jack and bore, and 2 sewer diversion structures. BC&A coordinated closely with UDOT, Jordan Basin Improvement District, city officials, and other utility and roadway engineers to ensure quality control, facilitate construction, and meet project deadlines.	✓		2008
Fireclay Sewer Line Project	Eric Neil	Murray City	Danny Astill City Engineer 801-270-2443	Murray City retained BC&A to provide design and construction management services for the Fireclay Sewer Trunkline Project, which consisted of design of over a mile of 24-inch diameter PVC sewer trunkline. The purpose of this project was to replace a small existing sewer main with insufficient capacity to service a new transit-oriented development. The project included design of large diameter steel casing jack and bore crossings of I-15, the Union Pacific Railroad, and UTA Trax. BC&A also assisted the City in acquisition of required easements and permits for the project.	✓		2008
12300 South Sewer	Brent Packer	Jordan Basin Improvement District	Joel Thompson General Manager 801-571-1166	This project included construction of 7,500 feet of 30-inch pipe in conjunction with a UDOT project. The work also included a railroad crossing, a canal crossing, and a flow-control structure. The design of this project was completed, and construction was begun in 2003.	✓		2004

Get in Touch



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BOWEN COLLINS
& A S S O C I A T E S

Project Specific Qualifications

J-U-B ENGINEERS, Inc. (J-U-B) is excited about the opportunity to submit our Statement of Qualifications for Professional Engineering Services to Magna Water District (MWD). We have assembled a team that provides the district with experienced specialists who have helped other districts and municipalities successfully address similar issues you are facing. We are excited to continue working with MWD as you continue to maintain, improve, and expand the vital sewer infrastructure that keeps you running.

WHAT DOES THE J-U-B TEAM OFFER?

Full-service Capabilities

As a full-service engineering firm, J-U-B offers a broad range of in-house capabilities that provide value to our clients. When you choose J-U-B, you gain:

- A team of core experts in sewer collection system design
- Access to our expanded resource pool of surveyors and easement/right-of-way specialists
- Traffic control and transportation engineers experienced with UDOT coordination
- Utility design engineers
- Public involvement professionals
- Construction inspectors
- Environmental specialists
- Planners
- GIS specialists
- A funding team to assist with project financing and related needs

This integrated approach allows us to comprehensively review different aspects of a project, providing economical and operations-friendly solutions. Our focus is on delivering a well-designed project that meets budget constraints and deadlines. Additionally, we will support you throughout construction to ensure the project is installed as designed, minimizing construction issues.

J-U-B has the resources of a large, national firm with the flexibility of a smaller, local firm. We can be responsive to your need to complete projects both large and small with expedited schedules and limited budget.



J-U-B by the Numbers



Relevant Experience

For MWD, our local team of experts have collaborated on multiple similar projects over the past 10 years. J-U-B's Salt Lake City-based municipal team consists of specialists focused exclusively on the master planning and design of wastewater systems, including hydraulic modeling, collection system design, trenchless construction methods, bypass pumping coordination, sewer rehabilitation, sewer lift stations, UDOT coordination, survey and easement research, and construction inspection.

Our team is supported by a larger group of 125 wastewater specialists company-wide, ensuring you benefit from high-level technical expertise at a reasonable cost. This streamlined, action-focused team has been specifically assembled to address the unique needs of your District. They have designed and overseen the installation of countless miles of gravity sewer along the Wasatch Front while effectively navigating challenging soil conditions, complex stakeholder and permitting situations, high groundwater levels, and utility conflicts in urban environments.

Responsive Local Specialists

The benefit of choosing a local firm for this project is the responsiveness you will experience. All assignments will be managed and designed from our Salt Lake City office, where our Utah municipal team is based. Our proposed team is entirely local and has seamlessly collaborated on many relevant regional projects. This experience provides a better understanding of local challenges, including growth demands, the housing crisis, inflationary pressures, and the tight labor market. We are committed to developing cost-conscious solutions that align with your budgeting constraints and trustees' expectations.

We will analyze the best options and quickly implement them. As with our past projects, our primary consideration will be the owner's long-term operation and maintenance requirements. As residents of the Salt Lake Valley, we have a vested interest in the success of this project and future endeavors.

By choosing J-U-B, MWD gains a responsive team of specialists with local knowledge and access to over 500 professionals in the Intermountain West, bringing cutting-edge regional experience.

Honest Communication

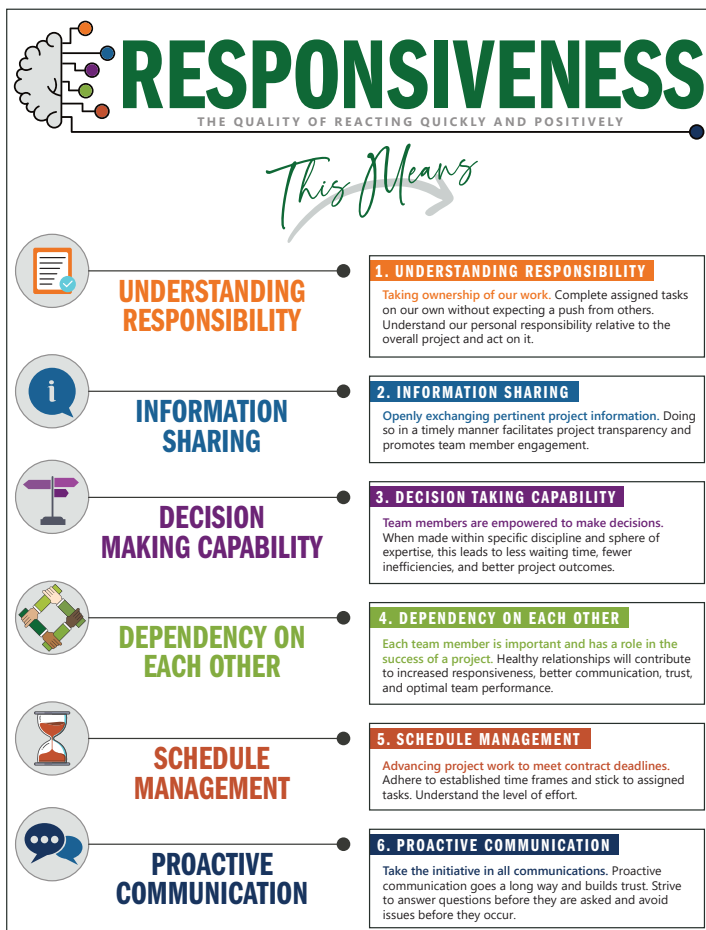
Honest, forthright communication is essential for successful working relationships. It fosters trust, collaboration, and accountability. By encouraging open dialogue, this project team can reduce misunderstandings and enhance problem-solving capabilities.

Our project leadership and design team will always have your interests and those of the taxpayer in mind. We do not over-analyze tasks when straightforward solutions are available. Our company is structured for quick implementation, open communication, and responsiveness to client needs as opposed to the bureaucracy, delays, and the "cover your tracks" mentality found at some of the larger, national firms. Our project managers work diligently to adhere to project deadlines and budgets, but we will proactively initiate honest discussions if unforeseen circumstances arise.

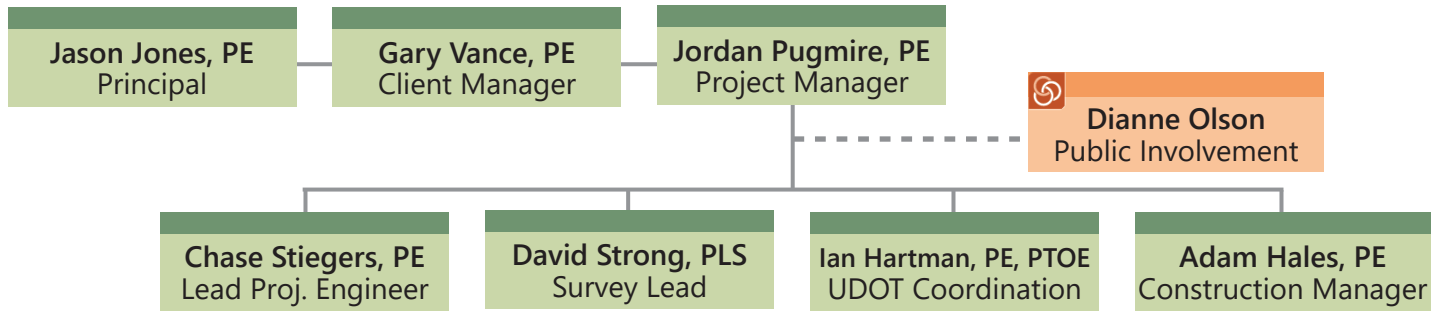
Collaborative Solutions

J-U-B has consistently provided quality services throughout the Wasatch Front, and we are committed to offering the same dedicated focus to MWD. The J-U-B team will collaborate with your staff to design operator-friendly solutions that are low-maintenance and meet your capacity needs. Our designs will be tailored to your budget and time constraints while addressing project phasing, constructibility, and public concerns (including those of your customers). We value your input; your in-depth knowledge of your collection system is essential for identifying the most effective, long-term solutions for your District.

Don't just take our word for it!
We encourage you to call our references on similar projects and let them tell their stories about how we've helped solve their issues. We look forward to supporting you on these important projects.



Project Team



Jason Jones, PE
Project Principal

PE #7549220 | BS, Civil Engineering

As principal, Jason will enhance communication and team interface with MWD. He will use his 21 years of project management and engineering experience to provide technical support and quality reviews as appropriate. This experience helps him oversee the project management, ensure technical excellence, adherence to the budget and schedule, and assist in stakeholder communication. His varied technical experience is in water, wastewater, and stormwater design as well as hydrologic analysis, hydraulic design, and utility design. He combines this multi-disciplinary experience to leverage team members and their technical expertise to resolve project issues, thus driving project schedules to timely completion. He has demonstrated on past projects he can successfully principal a project and support project teams while monitoring budgets and schedules through proactive communication with clients.



Gary Vance, PE
Client Manager

PE #7279300 | MS, Civil & Environmental Engineering

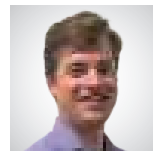
As client manager, Gary will provide technical support and quality reviews. Gary is a seasoned project manager specializing in water and wastewater treatment systems, with 22 years of comprehensive experience. His expertise encompasses all phases of project development, including master planning, funding acquisition, permitting, design, construction, and ongoing management of collection system projects and sewer lift stations. In recent years, Gary has played a crucial role in preparing over 13 Wastewater Facility Plans for various communities in northern Utah and southeast Idaho. His extensive portfolio includes significant contributions to the planning, design, and construction administration of wastewater treatment plant improvements for clients such as Santaquin, Spanish Fork, Tooele, Coalville, Central Davis, Morgan, and Plain City in Utah.



Jordan Pugmire, PE
Project Manager

PE #7549220 | BS, Civil Engineering

As project manager, Jordan will manage project scope, schedule, budget, and team coordination for project efficiency and effectiveness. Jordan has managed a wide variety of municipal projects in his 12 years in the engineering industry, including: master planning, storm water engineering and modeling, hydrologic analysis and hydraulic design, sewer collection design (including gravity pipelines, force mains, pipe rehabilitation, lift stations, and condition assessments); culinary concrete tank rehabilitation; site development; roadway design; and construction administration. He is an exceptional leader and motivator helping to keep everyone working toward the success of complete deliverables.



Chase Steigers, PE
Lead Project Engineer

PE #12222515 | BS, Civil Engineering

With seven years of dedicated experience in municipal engineering, particularly in the design of pipeline and collection systems, Chase will lead design efforts for the sewer design and utility coordination. Chase's strong foundation in engineering principles, coupled with his in-depth familiarity with regulatory requirements and industry best practices, positions him to ensure that the MWD achieves an efficient, sustainable, and resilient sewer infrastructure solution that meets the community's needs both now and in the future. His understanding of the intricacies involved in the design process will be invaluable in addressing challenges effectively.



David Strong, PLS

Survey Lead

PLS Utah #5331568

With more than 32 years of experience, David will be responsible for survey and right-of-way needs. His understanding of surveying for utility projects is demonstrated in the work he has completed for municipal and special service districts and irrigation companies, private land surveys, and commercial developments. David's experience includes responsible charge for the design surveying, project construction staking, and project record surveys. He utilizes GPS survey technology, robotic instruments, LiDAR, laser 3-D survey, underwater sonar, and drone survey technology. David brings practical experience in working with engineers and contractors in the planning, scheduling, and performing field survey operations.

With J-U-B, you also have access to our seven in-house professional land surveyors based out of our Kaysville and Orem offices who can provide the full array of survey support services including easements, research, and acquisition.



Adam Hales, PE

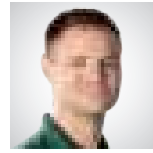
Construction Manager

PE #7563607 | BS, Civil Engineering

Adam will manage and support the construction services for this project as well as provide constructibility reviews. He has over 15 years of experience in construction management and inspection with a background in engineering, which includes design experience. Prior to joining J-U-B, he worked as a general contractor. This diverse experience enables him to view projects from the perspectives of an engineer, contractor, and inspector. Adam is fully trained in CEMT and is certified in the Inspector Qualification Program (IQP). He has successfully completed numerous projects for UDOT and various municipalities in Utah.

Throughout his career, Adam has served as a construction inspector, observer, and manager for many municipalities, special districts, and irrigation companies. Adam oversees our Utah construction group comprised of eight dedicated inspectors.

Our construction inspectors have managed the installation of miles of gravity sewer that contain a wide variety of soil conditions along the Wasatch Front. Our construction inspectors are well-versed with UDOT coordination and their requirements.



Ian Hartman, PE, PTOE

UDOT Coordination

PE #11641021 | BS, Civil Engineering

Ian will provide UDOT expertise and oversee the design team on utility coordination, easements, and right-of-way for required UDOT coordination. Ian has extensive experience in UDOT coordination, having contributed to numerous projects that encompass local roads, arterial routes, and interstate facilities. His expertise includes traffic and transportation design and extensive coordination with UDOT. He also has a deep understanding of their utility coordination process and right-of-way and easement requirements. Through these projects, Ian has significantly contributed to enhancing roadway safety and efficiency in the communities he serves. Ian was selected for this project team because of his recent utility design, easement coordination, and provided UDOT expertise on the Central Weber 1900 West Sewer line project.



Dianne Olson

Public Involvement

BS, Environmental Studies

As the public involvement lead for this project, Dianne will assist with stakeholder communication, including Kennecott. She will be available to support project messaging and community communication in the way of fliers, articles, and other forms of communication. Dianne is a trained mediator focused on timely and effective community and public engagement. Her work with diverse groups of stakeholders on a range of issues provides quality process design and cooperation among team members working toward a common goal. Dianne's 15 years of experience presents a strong operational background that compliments any team in risk assessment, issue resolution, facilitation, mediation, conflict resolution, and developing and implementing project objectives.

Dianne performed the public involvement during UDOT's I-15 Southbound Lane Addition environmental phase, and she has supported numerous UDOT projects. She also assisted SLCDPU with easement coordination for multiple sewer projects.

Key Project Specific Considerations

Through conversations with Magna Water District staff, J-U-B has identified the following key considerations for the Westside Collections project:

1. UDOT expertise and coordination
2. Agency and stakeholder coordination (including Kennecott)
3. Coordination with and crossing the Ritter Canal
4. Phasing, including switch over to the new sewer line as certain phases are completed
5. Easements updates and associated coordination
6. Congested utility corridor along existing roadways

Extensive growth is occurring along the west side of Magna City – approximately 2800 new residential units are planned along this corridor. This new development requires an expansion of the District’s collection system to accommodate this growth. It is anticipated this collection system expansion will consist of a variety of new gravity sewer lines sized between 15 inches and 30 inches. Most of the gravity sewer will be installed between 10 and 14 feet deep. It is anticipated the work will be sequenced in up to five separate phases for budgetary reasons, with Phase 1 already designed and preparing for construction.

CHALLENGES AND CONSIDERATIONS

A number of challenges will need to be accounted for in the design and constructibility of the proposed collection system expansion:

The existing sewer lines need to remain operational during construction to minimize bypass pumping requirements.

- J-U-B’s approach will be to review existing utilities and their locations, identify an alignment for the new sewer line that will allow the existing sewer line to stay in operation, until laterals can be switched over and flow diverted into the new line.

Soil conditions and groundwater levels vary widely across the planned project area. It is anticipated that groundwater levels are approximately 5 feet deep on the north and east sides of the project area and bedrock potentially exists along the west side of the corridor. Native soils in the area are known to be corrosive.

- J-U-B has extensive experience dealing with shallow groundwater levels and difficult soil conditions. Our team has performed miles of sewer line design and installation at both the Salt Lake International Airport, and throughout the City of Vineyard, both of which have similar

soil conditions. Through this experience we have developed specifications and details to direct the contractor on cost-effective ways to mitigate groundwater during construction and to minimize the impact of corrosive soil conditions on the system. Additionally, J-U-B has a corrosion specialist who can review and offer solutions for any locations where long-term corrosion may be of concern.

The proposed sewer line alignment along SR-201 is within the UDOT right-of-way. The exact limits of the UDOT ROW needs to be defined. Extensive UDOT coordination is anticipated, and traffic control may be required. Pipe abandonment methods will also need to be coordinated with UDOT.

- J-U-B has included Ian Hartman on our team, one of our transportation engineers with UDOT coordination expertise. Similar to the work that we’ve performed on the Central Weber 1900 West Sewer Line Installation project, having this specialization on the team will provide you with expert guidance and support to navigate the complexities of the UDOT right-of-way and permitting process. We understand the UDOT requirements that will need to be implemented to facilitate the construction of the sewer line along SR-201 and to acquire the needed easements and permits, avoiding delays for construction.

Existing easements will need to be updated (or better defined) with Kennecott and other entities, new easements may also be required.

- J-U-B’s survey and public involvement teams form a powerful partnership for easement development and acquisitions. Once any required easements are defined by our design team, our surveyors will develop the descriptions and exhibits needed to acquire and communicate any revisions, after which our public involvement team, who are trained in negotiation, will be available to assist with mediation and communication with stakeholders, like Kennecott, to acquire the necessary easements.

There are constructibility concerns particularly in the older portion of town – narrow streets, impacted stakeholders, and extensive utility conflicts.

- J-U-B has recent and relevant experience with the design and construction of utilities in well-established roadway corridors. We recently constructed new utilities and roadway improvements along Santaquin City’s Main Street. This project included extensive utility

coordination, relocations, and conflict resolution due to the age of the roadway and the number of aged, and long-established utilities. We will apply the lessons learned from the Santaquin Main Street project to this collection project to address potential challenges that may arise during construction in established corridors.

Boring/tunneling is anticipated across the busy intersections at 8800 West and 8400 West, both of which will need to be coordinated with UDOT and Salt Lake County.

- J-U-B has extensive tunneling and trenchless technology design experience. We recently completed one of the longest utility-specific tunnels in Utah for Jordan Basin Improvement District (JBID) for a new sewer line connection. Through design and construction, J-U-B helped guide and direct the tunnel operation to ensure that line and grade were met, and a quality sewer line was installed. J-U-B brings the same team to this project, and our experience will be available for tunneling or boring needs as appropriate.

The proposed alignment crosses the Copper Club golf course, which will require extensive coordination with the public and Kennecott. Timing of construction at the golf course is critical. Due to the age of the golf course, irrigation piping and other utility conflicts are unknown.

- J-U-B's recent Upper Conduit project for Salt Lake City Department of Public Utilities included coordination with Bonneville Golf course in SLC to install a new utility line through their property. J-U-B understands the needs and timing required to construct utilities along and through golf courses while maintaining playability and minimizing impact to golfers using the course.

Rocky Mountain Power operates overhead power lines along much of the corridor.

- J-U-B's standard utility coordination practices will incorporate RMP into the project and communicate any project needs, conflicts or concerns with them. J-U-B understands that the main concerns will be construction equipment conflicting with overhead lines and maintaining the integrity of nearby power poles if excavations are needed close to existing poles.

Kennecott operates secondary water lines along the corridor, some of which are unmarked.

- J-U-B's standard utility locating, and coordination practices will make efforts to identify, coordinate, and maintain/restore any impacts to the existing irrigation system.

The proposed sewer line will cross beneath the Ritter Canal. Design will need to be coordinated with both the Utah and Salt Lake Canal Companies.

- J-U-B routinely collaborates with canal companies across the state and understands the permitting and approval processes. The previously mentioned tunnel project for JBID included coordination and permitting to cross a canal. J-U-B will use this experience to aid the design, approvals, permitting, and coordination to cross the Ritter Canal.

Existing sewer laterals will need to be reconnected to the proposed sewer lines.

- J-U-B's experience on the 144th South project for JBID illustrates our understanding and knowledge of the complexities and required timing to switch laterals from an old system to a new system. J-U-B will examine and verify viability of sewer lateral connection switch over to make sure that elevations align and sewer connections won't become a challenge during construction.

Work sequencing and bypass pumping during tie-ins needs to be coordinated.

- J-U-B's approach to bypass pumping is to evaluate bypass pumping needs during the design phase and perform a preliminary bypass pumping analysis and design sufficient to determine viability, giving you confidence before construction that the contractor can implement bypass pumping and avoid costly redesign or delays during the construction phase.

Bid and construction support

- J-U-B's team is practiced in providing bid and construction support to our clients. We have the ability to be flexible to your needs and provide the level of support that you required.
- We can offer bidding support that ranges from limited involvement to comprehensive assistance throughout the bidding process. This includes pre-bid meetings, bid openings, and access to J-U-B's plan room for bidding, if desired
- J-U-B's team includes full-service construction support. Our design team is adept at pre-construction meetings, submittal reviews, assistance in responding to contractor questions, change order negotiation, and provisioning construction inspection services on a full-time basis. **Our team can provide whatever level of support you need from high level guidance, to full service.**

- Actively engage team members as project issues arise, adopt responses, and make assignments to address issues before they become problems.
- Perform Quality Control reviews of every work element including calculations, quantities, details and plan sheets.
- Conduct regular Quality Assurance (QA) audits.
- Complete regular oversight reviews of the entire project to verify consistency with the District's overall project goals.

Schedule Control

On every project, we develop and adhere to a detailed project schedule based on the scope of work to deliver successful projects on time. We evaluate risks or potential delays to the schedule so we can proactively address risks before they can become delays. At project kickoff, we evaluate risks for the entire project and document them in a risk register. Once risks are defined, our work plan is oriented to mitigate the risks. We also ensure that enough time and resources are applied to each task.

Cost Control

Project Cost Control. J-U-B addresses risks to budget or potential cost escalations. At kickoff, we

identify risks for the entire project. By addressing risk proactively, we can avoid circumstances that can impact your budget. By applying a specifically designed contingency reflecting an assessment of risk, we avoid over-budgeting while accounting for potential impacts.

J-U-B Cost Control. J-U-B uses Vision accounting software to track project costs. These costs are tracked by work scope task and tied to the schedule. Costs are tracked weekly, so project managers have current cost data to manage their projects. Invoices include a description of the work completed, status of each task and progress of action items.

Communication

Typical project communication can occur through email, phone calls, in-person meetings, project meetings, meeting minutes and exhibits. We set communication expectations at the project kickoff meeting. This helps improve types of communication and helps identify the preferred type, hierarchy, level and frequency of communication. Once these expectations are set, both the District and the project team will understand who they communicate with, how often and the type of information communicated.



» Work on 9200 West will occur largely in the southbound travel lane. We are proposing closing the southbound lane and place a temporary concrete barrier along the centerline of the roadway. In order to accommodate the barrier, the northbound lane will need to be reduced from a 12-ft lane to a 10-ft lane. This would turn 9200 West into a northbound one way street. Residents on the east side of 9200 West

would only be able to access their homes from the south and depart their homes to the north on 9200 West. 3100 South and 3500 South will provide full access to all residents along 9200 West.
 » All SR-201 work will be located behind the existing guardrail on the south side of the roadway. This work will have no impact to traffic on SR-201.

» SR-111 work will be outside the pavement on the west side of the roadway. Due to the proximity of a trench and the work zone, we propose protecting the work zone behind a temporary barrier placed approximately 2 feet outside the white shoulder stripe. Or, the SR-111 work could be behind the existing guardrail on the east side of the roadway, this alternative would have no impact to traffic on SR-111.

Past Performance



144TH SOUTH SEWER REPLACEMENT DESIGN (ONGOING)

JORDAN BASIN SEWER DISTRICT | BLUFFDALE, UT

Work Performed: The 144th South Sewer Replacement Design project involved upsizing a 10"/12" gravity sewer trunk line along 14400 South. It included 7,515 LF of new 18" PVC sewer, 25 manholes, and crossings under the Utah Lake Distributing Canal and two 36" high-pressure gas lines. Designed alongside Bluffdale City's water, stormwater, and irrigation updates, the project featured in-kind sewer line replacement, requiring bypass pumping and sequential construction phasing.

Key Team Members

- Jason Jones (Project Principal/QA/QC)
- Jordan Pugmire (Project Manager)
- Chase Steigers (Project Engineer)
- Dianne Olson (Public Involvement)
- J-U-B Survey/ROW Team

Client Contact

Michael Fazio & Matt Garn | (801) 254-2200 Ext. 430 | mfazio@bluffdale.com

Relevance to Project

- Experience in similar work.
- Similar design elements, including sewer line replacement, canal crossings, trenchless design, and utility coordination.
- Complex bypass pumping and sewer lateral crossover process similar to what may be needed for this project.
- J-U-B's ability to handle these complex issues.



HIDDEN VALLEY SEWER DESIGN (2022)

JORDAN BASIN SEWER DISTRICT | BLUFFDALE, UT

Work Performed: The Hidden Valley Sewer Design project consists of a 614 LF bore underneath the East Jordan Canal utilizing tunnel boring machine or shield mining methods, 985 LF of 24" PVC gravity sewer, (4) manholes, and approximately 272 CY of untreated base course for a 20-foot wide gravel access road. The project involved coordination and permitting with the East Jordan Irrigation Company, local developers, Jordan School District, and the City of Bluffdale.

Key Team Members

- Jason Jones (Project Principal/QA/QC)
- Gary Vance (Technical Expert)
- Jordan Pugmire (Project Manager)
- Chase Steigers (Project Engineer)
- J-U-B Survey (Topographic Survey)

Client Contact

Matt Garn | (801) 617-1057
matthewg@svsewer.com

Relevance to Project

- Trenchless (tunneling) sewer design meeting specific line and grade requirement benefiting the project if any trenchless design solutions are needed for your project.
- Coordination and permitting with an irrigation canal company demonstrating J-U-B's ability to effectively coordinate with the Ritter Canal crossing and any required permitting.



950 NORTH SEWER LINE PROJECT (2023)

CENTRAL DAVIS SEWER DISTRICT | FARMINGTON, UT

Work Performed: J-U-B designed a gravity sewer trunk line for a future commercial development, with depths of 5 to 25 feet while minimizing trench depth. The project offered four pipe material options due to rising PVC costs. The client selected HDPE-lined concrete pipe for its cost-effectiveness and durability against corrosion. J-U-B coordinated with the manufacturer to ensure proper installation and provided construction observation, covering 3,425 LF of pipe with a total cost of \$2.1 million.

Key Team Members

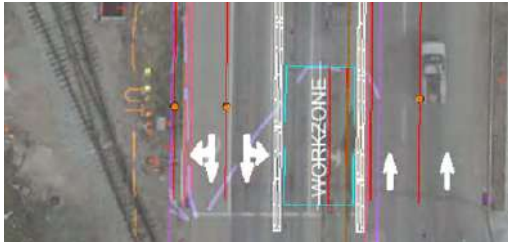
- Gary Vance (Project Manager)
- J-U-B Survey (Topographic Survey & Easement Coordination)
- Adam Hales and Construction Team

Client Contact

Jill Jones | (801) 451-2190
jillj@cdsewer.org

Relevance to Project

- Groundwater dewatering during construction.
- Cost escalation and alternative pipe material considerations / value engineering.
- Deep gravity sewer installation in residential corridors.
- Trail crossing and coordination with stakeholders



1900 WEST SEWER LINE UPGRADE (2023-25) CENTRAL WEBER SEWER IMP. DISTRICT | WEST HAVEN, UT

Work Performed: J-U-B is a subconsultant to another engineering firm on this project. The other firm is designing the sewer line, but J-U-B verified flows by installing temporary flow meters and determined the need to upsize piping. We also coordinated permitting with UDOT and surveyed all utilities at the surface, coordinated potholing, provided topographical survey, and organized subsurface utility engineering.

Our public involvement work included creating, printing, and delivering project introduction flyers to 200 businesses along the corridor and conducting a survey of stakeholders. We also managed potential impact and construction schedule with stakeholders. The new sewer line will be installed for approximately two miles in a crowded UDOT roadway with multiple utility conflicts.

Key Team Members

- Gary Vance (Project Manager)
- Ian Hartman (UDOT Coordination)
- J-U-B Survey (Topographic Survey & Easement Coordination)
- J-U-B/TLG (Public Involvement)

Client Contact

James Dixon | (801) 564-6005
jamesd@centralweber.com

Relevance to Project

- Coordinated with UDOT Region 1 staff.
- Provided Maintenance of Traffic (MOT) Specification language.
- Identified user costs and closure windows (in coordination with UDOT staff).
- Survey
- Prepared MOT concept exhibits for roadway lane shifts and modified intersection configurations
- Met with CWSID and UDOT as required.
- Public involvement along the corridor.



SPANISH FORK & MAPLETON WRF (2022) SPANISH FORK CITY CORPORATION | SPANISH FORK, UT

Work Performed: The Spanish Fork & Mapleton WRF Off-Site Piping project involved designing and rerouting sewer trunk lines from the existing water reclamation facility to a new site under J-U-B's construction. It included approximately 2,000 LF of 36-inch to 60-inch sewer trunk line with two double barrel siphon designs to convey wastewater and treated water under Union Pacific Railroads. The project also reconfigured existing storm drain and potable water infrastructure, with J-U-B overseeing construction administration.

This \$4.5M project was completed in 2022 as an early-out package in advance of the \$110 WRF project that J-U-B designed. The Water Reclamation Facility project is currently under construction.

Key Team Members

- Gary Vance (Project Manager)
- Jordan Pugmire (Project Engineer)
- Chase Steigers (Design Engineer)
- Adam Hales and Construction Team

Client Contact

Cory Pierce | (801) 804-4556
cpierce@spanishfork.org

Relevance to Project

- Large sewer collection system design experience offering a trusted expert for the design of your new sewer trunk line.
- Coordination with challenging stakeholders including UPRR confirms J-U-B's ability to successfully communicate with and traverse difficult situations obtaining consensus and buy-in from stakeholders.

1. PROJECT

QUALIFICATIONS

+ LARGE DIAMETER PIPELINES

&

- SMALL DIAMETER PIPELINES

Moving wastewater from one spot to another. It sounds simple enough, but often involves much more consideration than just a pipeline connecting two points. To provide our clients with the most cost-effective solutions for their wastewater collection systems, we utilize an integrated design and analysis approach involving hydraulic modeling, pipeline design, and cost analysis.



6"- 72"
DIAMETER PIPELINES

5,000+
MILES OF PIPELINE

- Condition Assessments
- Risk/Consequence of Failure
- Pipeline Material Selection
- Pipe Pre-Procurement

STAKEHOLDER ENGAGEMENT

Our project managers and engineers are skilled communicators, committed to making sure that every project results in a win for all involved. Recognizing that successful outcomes often depend on coordination beyond just the client and consultant, we are ready to lead discussions and guide stakeholders through each stage of design and construction.



CONSTRUCTION MANAGEMENT

We provide continuity from design to construction and assign experienced, dedicated construction management staff to confirm that the design intent is met. We work with the engineer of record on shop drawings, submittals, requests for information, file organization, approvals of requests for payment, change orders, and proper close-out procedures.

Constructability Reviews

- Alternate Project Delivery
- Value Engineering
- Progress Meetings
- Construction Progress Reports

Construction Project
CHANGE ORDERS

-1 - 2%*

AVERAGE

*Industry Avg = 10%



MULTIYEAR PROJECTS

We are well-versed in managing multi-phase projects that span several years. With dozens of projects exceeding a decade in duration and involving over 20 task orders, we are fully committed for the long haul. The project managers who begin these projects are the same ones who see them through to completion, providing continuity and preventing any loss of momentum or overlooked details, even on lengthy projects.



EASEMENT PREPARATION

We have selected Horrocks as our survey and ROW/easement expert. Their team is highly skilled in preparing all necessary easement documents for pipeline construction, and their extensive experience with UDOT projects is invaluable. Well-versed in UDOT standards, they will provide essential support if additional easements are needed through UDOT, ROW or other areas.

2,500+
Miles of Easements



SYSTEM MODELING

SSOs, H2S, I/I, and d/D - these acronyms might mean little to your customers, but they represent significant challenges you face every day. Our experienced modeling team is here to help you accurately analyze and quantify your I/I and assess its impact on your d/D. This process will, of course, help you avoid the dreaded SSOs.

Once these capacity questions are resolved and your operators are confident, we can move on to tackling BOD, T(C), and pH to help you mitigate the harmful effects of H2S!

100+
Hydraulic
Modeling Projects



ESSENTIAL SKILLS NEEDED FOR PROJECT SUCCESS

- 15-30-inch gravity sewer design
- Sewer modeling capabilities
- Survey and easement work
- Stakeholder coordination
- Long-term commitment to projects
- Construction management

You also need a project team committed for the long haul. This 4-5 year project has multiple phases, requiring a consultant experienced in dedicating project personnel for extended durations. That's exactly what we offer. Meet our project manager and motivated team of experts on the following pages.

2.

PROJECT TEAM

▶ Stockton Denos, PE

Project Manager

Education: BS, Civil Engineering, University of Utah

Key Project Experience

- 4100 South Secondary Waterline, Magna, UT (Included trenchless crossing of 8400 West and SLCO flood control ditch, coordinated with LDS Church and Ivory Homes for easement and planning)
- Heritage Park Utility Pipeline Project, Orem, UT (6,400-ft. 20 to 24-inch gravity)
- Sand Ridge Farms Utilities, Ephraim, Utah (6,000-ft, 15-inch gravity, 4,900-ft force main)
- 2020 Sewer Repairs, Magna, UT (Open-cut trench in UDOT ROW)
- Zone 2 Reservoir Magna, Utah (Coordinated with Kennecott during design and construction)
- 2021 Waterline Replacements, Magna, UT (Long open-cut trench in UDOT ROW)

Stockton is very familiar with Magna and your operations and standards. He is highly responsive, and has managed multiple District projects, often coordinating with UDOT for permits. He oversaw trenchless crossing of 8400 West in Magna, coordinated with Kennecott on the Zone 2 Reservoir, and has extensive experience with Salt Lake County. He maintains a strong relationship with the Utah and Salt Lake Canal Company's General Manager, recognizing that communication and relationships are as essential as technical expertise in complex projects.



▶ David Vidican, PE

Lead Designer

Education: BS, Civil Engineering, University of Akron

Key Project Experience

- Clear Creek Parallel Interceptor Sewer, Denver, CO (54,000-foot, 30 to 84-inch)
- North Range Wastewater Collection System, Commerce City, CO (72,000-LF 15 to 30 inch diameter interceptor, 21 trenchless tunnel bores)
- Wastewater Treatment Plant Interceptor Sewer and Odor Control Facilities, Commerce City, CO (6,400-LF, 36-inch interceptor)

David has encountered every aspect of pipeline design over his 30-year plus career. He's worked with both small and large pipes, using trenchless and open-cut methods, and has experience in rehabbing, replacements, new construction, and alignments.

KEY PROJECT TEAM



Jayme Klecker, PE
QA/QC



Russell Sprague, PE
Project Engineer



Eric Dodds, PE
Project Engineer



Scott Bishop, PLS
Survey Manager



Trevor Jensen, PLS
Field Operations Manager



325+ ADDITIONAL
RESOURCES
including CAD and EIT Staff



Jayme Klecker, PE - QA/QC

Key Project Experience

- Collection System Odor Evaluation, Williston, ND
- Downtown Water and Sewer Master Plan, Fargo, ND (8 to 24-inch sewer)
- New Mechanical WRRF, Williston, ND (8 to 30-inch sewer)

Education: MS, Environmental Engineering, North Dakota State University; BS, Civil Engineering, North Dakota State University

Why Jayme? With over 25 years of wastewater experience, Jayme has a wealth of experience mitigating odor and corrosion issues for municipal and industrial clients. He has experience with sewer master planning and large diameter sewer pipelines.



Russel Sprague, PE - Project Engineer

Key Project Experience

- 7800 S 1100 W Sewer Metering Station, W. Jordan, UT (60-inch sewer)
- Canyon Road Sanitary Sewer Design, Provo, UT (2,000 feet of 8-inch sewer)
- Sturgis North Trunk Sewer Line, Sturgis, SD (15-inch sewer)
- 8800 W Water Replacement, Magna, UT (12-inch sewer)

Education: BS, Civil Engineering, Brigham Young University

Why Russell? Russell has seven years of experience in facility and pipeline design and rehabilitation and master planning. He has worked extensively with municipalities in Salt Lake County and Utah County in developing, upgrading, and rehabilitating pipelines and other municipal infrastructure.



Eric Dodds, PE - Project Engineer

Key Project Experience

- 45th Street Corridor Interceptor, Fargo, ND (6,500-foot section, 36 to 60-inch sewer)
- 45th Street Corridor Interceptor Hydraulics Basis of Design, Fargo, ND
- CR20 Force Main, Fargo, ND (30 to 36-inch sewer)

Education: BS, Civil Engineering, North Dakota State University

Why Eric? Eric brings 23 years of knowledge, experience, and practical solutions for pipeline and sewer system design, and he has a proven track record of making sure his designs meet all codes, safety, and owner needs.



Scott Bishop, PLS - Survey Manager

Key Project Experience

- Dixie Drive Interchange, St. George, UT
- Bangerter 2, 3, and 4 Interchanges, Salt Lake County, UT
- I-15 Technology Corridor Design-Build, Lehi, UT

Education: BS, Geomatic Technology, Idaho State University

Why Scott? Scott has 24 years experience in survey and ROW design and will help prepare easements necessary for the pipeline alignment. He worked with the Utah Department of Transportation (UDOT) for a series of projects to convert Bangerter Highway into a freeway.



Trevor Jensen, PLS - Field Operations Manager

Key Project Experience

- Deer Creek Dam Restoration Project, Provo, UT
- Provo Canyon Parkway Trail Gap Project, Provo, UT
- Salem Canal Piping Projects, Santaquin, UT
- Pleasant Grove City Surveying, Pleasant Grove, UT

Education: BS, Geomatic Engineering, Utah Valley University

Why Trevor? Trevor is proficient with mobile and terrestrial Light Detection and Ranging (LiDAR) scanning units, Unmanned Aerial Vehicles (UAVs), Sonar, and other GPS-related technology to complete both topographical and bathymetric surveys

3. PROJECT

CONSIDERATIONS

► Project Challenges

We are familiar with your need for large diameter collection piping. Connecting those to existing pipelines comes with challenges, such as canal and roadway crossings, easements, and right-of-way (ROW).



A canal crossing on the route.

► Alternate Routing

We have familiarized ourselves with the District's Basis of Design Report (BDR). We have modeling capabilities and can look into routing if you want a second opinion. If you feel confident in the BDR, then we are ready to begin the final design.

► New Cost Estimates

Since the BDR is three years old, we propose to begin by updating the cost estimates to confirm we are pairing the right segments together,

based on your available funds and necessary timeline.

► Additional Details

Building on the Basis of Design Report done previously, we can go to final design by adding project specific details, crossing information, permitting, and ROW work.

► Earthquake Mitigation

Consider installing new seismic manhole connections to prevent a natural disaster from becoming a sanitary or environmental hazard.

► Construction Impact

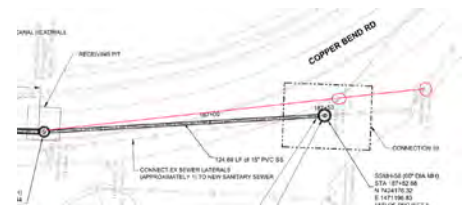
We will plan on workshopping ideas with UDOT, Kennecott, and other stakeholders to minimize construction impacts.

► Proximity to LCRR Work

Some of the areas where we will be digging to add pipelines will be close to where water service lines need to be replaced due to the Lead and Copper Rule Revisions (LCRR). We will consider whether it makes sense to combine construction contracts with some service line replacements.

► Considering Future Projects

This is also an ideal time to assess whether the waterlines along the route need upgrades. According to your Master Plan, projects CMC-2, CPZ-1, and CDE-4 align with the planned upgrades on 9200 West. While these waterlines are not a top priority in the next five years, it would be efficient to address them while a contractor is already working on the road.



The new sewer lines will need to tie in with the existing collection system.

► Odor and Corrosion

We are aware of the hydrogen sulfide issue in Magna that can lead to corrosion and odor nuisance in your sewer system. Jayme Klecker has worked extensively on odor and corrosion control projects and will bring best practices on how to best mitigate the issue.



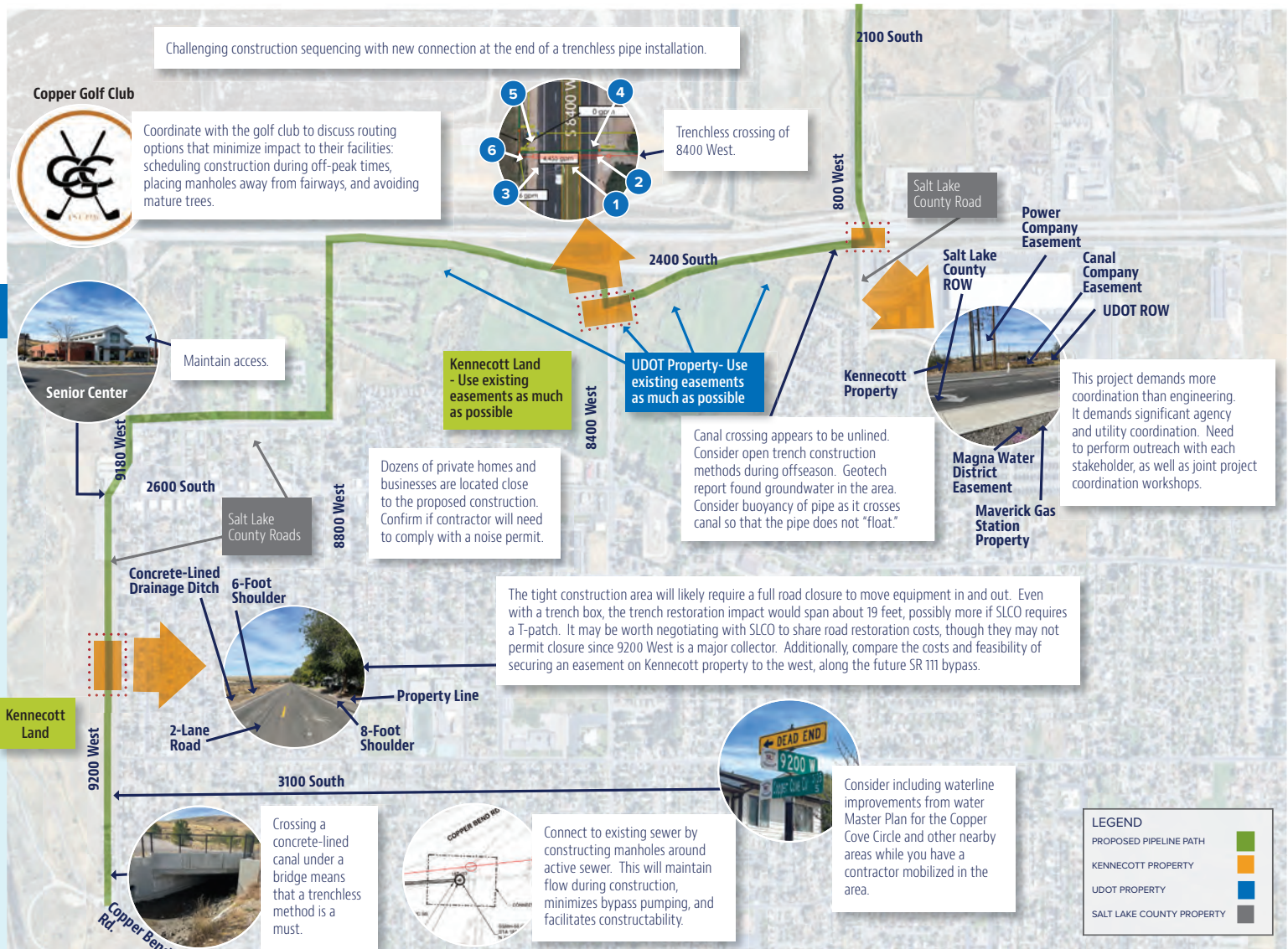
The route of the Westside Collection System will require several property easements and/or easement extensions.

MAGNA WESTSIDE COLLECTION SYSTEM

DESIGN AND CONSTRUCTION CONSIDERATIONS

Steps for Trenchless Crossing of 8400 West

- 1 Install casing.
- 2 Install pipeline and new manhole.
- 3 Install new manhole over the top of existing sewer pipe with cap on east side. Do not replace existing manhole with new manhole as that will increase bypass pumping time.
- 4 Install pipe in casing and connect to downstream manhole. Knockout east cap on upstream manhole and make connection.
- 5 Install cap on north side of upstream manhole and demolish existing pipe heading northeast.
- 6 Remove north cap and continue to install pipe going upstream.



4. WORK

PLAN & APPROACH

Your Trusted Partner

For your Westside Collection System projects, you need a partner who can serve as an extension of your staff throughout the multi-year project phases. We see this as an opportunity to convey a unified message to your stakeholders and truly operate as ONE team. Our commitment is to deliver local, responsive, and specialized services to help you tackle any challenge, so no task ever feels too big when you partner with us.

Communication and Collaboration

Our approach prioritizes communication and collaboration. We are dedicated to providing you with clear and frequent communication. Before addressing any issue, we seek to first understand its root cause, identify who is affected, and determine the most cost-effective solution. Contractors consistently commend our thorough plans and bidding documents, leading to lower bid prices and fewer change orders.

Adherence to Magna Water Standards and Policies:

We're committed to maintaining consistency and quality by aligning our design with Magna Water District's standards and regulations. Adhering to these standards streamlines the project's progress and your review process.



Project Management Plan (PMP) Components



PROPOSED PROJECT SCHEDULE

DESCRIPTION	TIMELINE
Phase 2 Design	December 2024 - June 2025
Phase 2 Bidding	July 2025 - September 2025
Phase 2 Construction	October 2025 - June 2026
Phase 3 Design	January 2026 - June 2026
Phase 3 Bidding	July 2026 - September 2026
Phase 3 Construction	October 2026 - June 2027
Phase 4 Design	January 2027 - June 2027
Phase 4 Bidding	July 2027 - September 2027
Phase 4 Construction	October 2027 - June 2028
Phase 5 Design	January 2028 - June 2028
Phase 5 Bidding	July 2028 - September 2028
Phase 5 Construction	October 2028 - June 2029

Scope of Services

The following scope of services outlines the major phases of the project and the tasks we will perform.

 <p>Phase 010 - Project Management</p> <ol style="list-style-type: none"> 1. Prepare a Project Management Plan (PMP) that includes scope, budget, anticipated permitting, outside agency contacts for coordination, schedule and milestones, team structure, team contact information, QA/QC plan, basis of design standards, document management, communication protocols, and desired outcomes. 2. Conduct Kick-off Meeting to discuss project execution and Project Management Plan. Prepare meeting agenda and provide follow-up meeting notes. 3. Prepare Monthly Progress Reports and invoicing for your review and processing. 4. Conduct regularly scheduled bi-weekly Progress Meetings to discuss and coordinate design. Progress meetings will cover work completed, upcoming efforts, scope, budget status, schedule status, coordination needed with you and outside agencies, and cost estimates. 5. Coordinate with agencies and utility companies. We will incorporate outside agency requirements into the design documents and submit plans for outside agency review. <p>Deliverables:</p> <ul style="list-style-type: none"> · Project Management Plan · Kickoff meeting agenda/notes · Monthly progress reports/invoices · Bi-weekly project coordination meeting agendas/notes 	 <p>Phase 030 - Preliminary Design</p> <ol style="list-style-type: none"> 1. Prepare engineer's opinion of probable construction cost (OPCC) and project schedule. 2. Perform field investigations: <ul style="list-style-type: none"> · Existing utility locations. · Geotechnical explorations and reports. · Surveying and site mapping preparation. 3. Identify required project permits and permit compliance requirements. 4. Assist you with permit acquisition. 5. Coordinate with local jurisdictional authority for work in streets and traffic control requirements. 6. Coordinate ROW, easements, and property requirements. 7. Summarize any required surface pavement, sidewalk, curb and gutter, or landscaping improvements and restorations. <p>Deliverables:</p> <ul style="list-style-type: none"> · Topographic and boundary surveys · Geotechnical report · Subsurface Utility Evaluation & pothole report · Milestone workshop notes (60%, 90%) · Permits list & permit compliance requirements. · Easement identifications. · Surface restoration requirements. 	 <p>Phase 040 - Final Design</p> <p>The engineering design work to be performed for the development of bidding documents (drawings and specifications) includes:</p> <ol style="list-style-type: none"> 1. Develop final design drawings. 2. Develop technical specifications. 3. Assist you in the development of Front End Contractual and Bidding Documents. 4. Prepare and distribute 60% complete and 90% complete document deliverables for your review. 5. Update and distribute Engineer's OPCC and the project Construction Schedule at 60% and 90% completion stages. 6. Conduct 60% complete and 90% complete document Design Review Meetings with you. 7. Incorporate your review comments into the bid documents. 8. Prepare easement descriptions. 9. Develop Stormwater Management Plans (SWMP) and Erosion Control Protection Measures to be implemented during construction. 10. Finalize bid documents to 100% complete. 11. Deliver final hard and electronic copies of the bid documents to you. <p>Deliverables:</p> <ul style="list-style-type: none"> · Drawings (60%, 90% & final) · Specifications (90% & final) · OPCC (60%, 90% & final) · Erosion (SWMP) Report · Summary and response of your review comments 	 <p>Phase 050 - Bidding</p> <ol style="list-style-type: none"> 1. Prepare project advertisement for you. 2. Prepare and post electronic bid documents to your website (drawings, specifications, geotechnical reports). 3. Assist you in answering contractor questions. 4. Assist you in conducting pre-bid meeting. Prepare meeting agenda and issue follow-up meeting notes in addendum. 5. Prepare and distribute addenda documents. 6. Evaluate bids and low bidder qualifications. 7. Recommend award to lowest qualified bidder. 8. Prepare, review, and distribute conforming contract documents for District and contractor execution. <p>Deliverables:</p> <ul style="list-style-type: none"> · Pre-bidding meeting agenda/notes · Addendum and clarification documents · Bid tabulation · Bid award recommendation · Conforming plans and specifications 	 <p>Phase 060 - Construction Administration</p> <ol style="list-style-type: none"> 1. Assist you in conducting Preconstruction Meeting. Prepare meeting agenda and provide follow-up meeting notes. 2. Review material and equipment shop drawings. 3. Interpret contract documents. 4. Review contractor monthly pay requests. 5. Process change orders. 6. Attend biweekly Construction Progress Meetings. 7. Perform Substantial and Final Completion Inspections. 8. Prepare project closeout documents. 9. Prepare Record Drawings.  <p>Phase 061 - Construction Observation</p> <ol style="list-style-type: none"> 1. Provide Construction Observation Services as requested by you over the project period. 2. Prepare and distribute daily Construction Inspection Reports. <p>Deliverables:</p> <ul style="list-style-type: none"> · Agenda and notes (pre-construction and construction meetings) · Response to submittals and RFI · Site observation reports (if requested) · Final walkthrough punch list and record drawings
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5. PAST

PERFORMANCE

“We’ve been extremely happy with AE2S! They bring creative solutions and an effective approach to overcome project challenges. Their hydraulic modeling expertise enabled them to provide us with a very detailed solution that saved us considerable time and money. They were also able to deliver for us in a very short timeframe, enabling us to progress quickly at a pivotal point in our design process. One thing I really appreciate as a PM is their follow through, keeping me in the loop, and their communication abilities.”

Chris Ellison, Project Manager
Central Utah Water Conservancy District



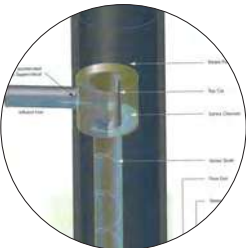
INTERCEPTOR PLANNING, DESIGN, AND CONSTRUCTION

CLIENT/CLIENT CONTACT

City of Sturgis, SD

Rick Bush
Director of Public Works
605-347-3916

- ✓ Interceptor design included coordination with the Bureau of Land Management (BLM) and Army Corps of Engineers.
- ✓ Interceptor route included crossing 5,700 feet of BLM land and three separate creek crossings.
- ✓ Included over 10,600 feet of PVC sewer, ranging from 18 to 24 inches, and 36 manholes.



45TH STREET CORRIDOR INTERCEPTOR FACILITY PLAN

CLIENT/CLIENT CONTACT

City of Fargo, ND

Jim Hausauer
Water Utility Director
701-746-6692

- ✓ Development of first portion of Facility Plan for major infrastructure improvements.
- ✓ A new 10 mile interceptor sewer, diversion to the City’s wastewater stabilization ponds, and capacity for 25 years of growth.
- ✓ Recommendations for the new interceptor system.



NORTH RANGE WASTEWATER COLLECTION SYSTEM PUMPING STATIONS AND SANITARY SEWER PIPELINES

CLIENT

South Adams County Water and Sanitation District
Commerce City, CO

- ✓ Design and construction services for 2.9 MGD, 3.2 MGD, and 3.4 MGD wastewater pumping stations.
- ✓ 78,200 feet of 15-, 18-, 21-, 24-, and 30-inch gravity sewer.
- ✓ 17,700 feet of 14-, 16-, and 18-inch force main pipelines, 18 trenchless highway, railroad and irrigation ditch crossings.



ELK VALE LIFT STATION AND GRAVITY AND FORCE MAIN

CLIENT/CLIENT CONTACT

City of Rapid City, SD

Nicole Lecy
Project Engineer
605-394-4154 ext. 2554

- ✓ Design, bidding, and construction for dual 16-inch force mains and gravity main improvements.
- ✓ Current system evaluation of lift station and upgrades.
- ✓ Force main and gravity sewer alignment easement procurement.
- ✓ Odor control.



BROADWAY INTERCEPTOR SSO REDUCTION

CLIENT/CLIENT CONTACT

City of Fargo, ND

Jim Hausauer
Water Utility Director
701-746-6692

- ✓ Design of 22,000 linear feet of 24- and 30-inch force main through the heart of well-established neighborhoods.
- ✓ Multi-phased approach where the City and AE2S reviewed the preliminary alignment for the project and compared it with the City's five-year Capital Improvement Plan (CIP).



SECTION I - WASTEWATER TREATMENT PLANT INTERCEPTOR SEWER AND SECTION II - WASTEWATER PUMPING STATION NO. 2 ODOR CONTROL FACILITIES

CLIENT

South Adams County Water and Sanitation District,
Commerce City, CO

- ✓ Included approximately 6,400 feet of 36-inch gravity flow interceptor sewer pipeline, which replaced an existing deteriorated and undersized sewer.
- ✓ Construction contract administration and inspection oversight for biocide nitrate chemical storage facility. Chemical injected into force main for control of hydrogen sulfide (H₂S) in the force main.
- ✓ Included a wastewater flow metering station on an existing 30-inch sanitary sewer line.



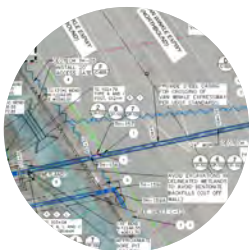
DEER CREEK DAM RESTORATION PROJECT

CLIENT/CLIENT CONTACT

Provo River Water Users Association
Provo, UT

Brad Jorgensen
Assistant Operations and Engineering Manager
801-796-8770

- ✓ Underground facilities needed to be accurately located and mapped for new tower intake.
- ✓ Completed a topographic map, as-built surveys, differential levels, datum shifts, drone flight, and any other tasks required by the consultant.
- ✓ Water was diverted to a newly constructed bypass intake and 72-inch pipeline to be microtunneled 800 feet into the left abutment and connect to the original penstocks.



MARCUS TO ARTESIAN BASIN PIPELINE REPLACEMENT PROJECT

CLIENT/CLIENT CONTACT

Salt Lake City Department of Public Utilities
Salt Lake City, UT

Natalie Moore, PE
Engineer IV
801-483-6797

- ✓ Installation of new pipe and lining of existing pipe to replace an existing gravity pipeline (constructed in the 1930s).
- ✓ Includes 2,170 linear feet of 30-inch diameter HDPE slip lining of existing pipeline, 8,400 linear feet of new 24-, 30- and 36-inch steel pipeline installation and approximately 1,100 linear feet 36-, 42- and 48-inch diameter tunnel casing pipe installation.

No two projects are the same, but our experience with multiple, complex collection system projects sets us all up for success.

**INVESTMENT
COMMITTEE
MTG**



Berkley J. Hanks, CLU, ChFC
Accredited Investment Fiduciary©
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December 4, 2024

Magna Water District
PO Box 303
Magna UT 84044

Dear Investment Committee:

On December 3, 2024, the Magna Water District 401(k) Plan held its semi-annual Investment Committee Meeting. Below is our summary of the meeting:

Attendees: Andrew Sumsion
Clint Dilley
Trevor Andra
Dallas Henline
Raymond Mondragon
Lelsle Fitzgerald
Berkley Hanks

Location: Magna Water offices

Time: 2:00 PM local time

Committee Discussion Item(s):

Approved Committee Actions:

1) The **Watchlist** will contain the following fund(s):

Proposed Watch List - Approved 09/30/2024			
RERFX	American Funds Europacific Growth R5	6	Keep on watch list
VBLAX	Vanguard Long Term Bond Index Adm	7	Keep on watch list

2) The following funds were removed from the watchlist and placed in good standing:

American Funds Capital World Bond R5 (RCWFX)

- 3) The following fund(s) will be removed from the plan and mapped to the following:
 - None
- 4) The Watch List was approved by the Committee.

Other Items of Discussion:

- The committee would like to review the CPI numbers on the pension plan at the next review.

These minutes reflect our understanding of the discussion items and the actions the Committee has taken as a result of the meeting. Should you have any changes that you would like reflected in these minutes, please let us know.

Sincerely,

A handwritten signature in blue ink, appearing to read "Berkley J. Hanks". The signature is stylized with a large loop and a long horizontal stroke extending to the right.

Berkley J. Hanks, CLU, ChFC
Accredited Investment Fiduciary©

LPL Financial Retirement Partners Investment Review

Magna Water District 401(k) Plan

Data as of Sep 30, 2024
Prepared on Dec 3, 2024

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LPL Financial Retirement Partners – Fiduciary Investment Monitoring Report

Creating a written investment policy statement (IPS) is an important step in meeting fiduciary investment selection responsibilities. A documented framework for conducting a prudent review and selection of investment options is generally considered to be a fiduciary best practice because it increases the likelihood of sound decision making and timely action. However, the fiduciary's duty as a Prudent Investor does not end with the selection of investments. The fiduciary is responsible for monitoring the performance of the investment options to ensure that they continue to meet the standards set out in the IPS. This reporting package is designed to facilitate three key fiduciary investment obligations:

1. To determine whether each investment is meeting the objectives stated in the IPS
2. To document the analysis, and any decisions or actions arising as a result of the review, and
3. To facilitate regularly scheduled formal reviews and timely decision making on a quarterly basis.

Even with the most rigorous initial fund selection process, a portfolio of funds will change over time. This report can help highlight important information regarding a fund's risk level, portfolio management, and other characteristics. Please note, this report tool is not appropriate for short-term performance monitoring.

This toolset includes up to six levels of reporting. In order, they are:

- **Capital Markets Commentary** - a quarterly review of recent activity in major capital markets, investment returns by category, and a summary of key macroeconomic developments. It also reflects on noteworthy news that could impact investor behavior and retirement plan administration and regulation.
- **Executive Summary** - provides a quick view of how each fund in the plan is performing and identifies any funds requiring attention based on the chosen criteria. The checkmark on the "Investment Criteria Rating" section of the Plan Entry Form determines how many criteria a fund must meet in order to fall into the "Meets Criteria" standard.
- **Portfolio Style Report**- provides a graphic view of the plan portfolio's asset class coverage across the universe of equity and fixed income investment styles.
- **Performance Summary** - provides standard performance information for each fund included in the report.
- **Fund Criteria Report** - provides comparisons of each fund, its peer average and benchmark against the specific monitoring criteria selected. The check-marks on the Report Criteria page indicate the specific criteria to be displayed in the Fund Criteria Report. 12 of the criteria are chosen for the report, all equally weighted and none ranked nor displayed in order of importance.
- **LPL Financial Retirement Partners Scorecard** - provides a one page snapshot of additional information for each fund in the plan, based on the proprietary LPL Financial Retirement Partners Scoring system, described on the following pages. (Included in ongoing investment monitoring reporting only.)

The report criteria can be grouped into the following categories:

- **Fund Characteristics:** This report provides criteria based on Fund Manager Tenure - the years that a fund manager has been managing the fund; Fund Track Record - the number of years a fund has been in existence, and Assets - the dollars under management in the fund.
- **Performance:** Fund performance is available for 1, 3, 5 and/or 10 years. If selected as criteria to be evaluated, each of these return timeframes is compared against the average peer returns and a benchmark in the Fund Criteria Report. The performance criteria can be set to values equal to or greater than the peer average or benchmark returns for the selected timeframes. Performance is net of management fees, but before asset charges and/or other administrative fees deducted from investment returns and do not reflect the funds' maximum potential sales charges. For standard performance of any fund (which includes Life of Fund returns for funds that have fewer than 10 years performance history), please consult the Performance Summary section as well as the Fund Facts Report.
- **Risk Adjusted Return:** The risk-adjusted performance measure criteria include 1, 3 or 5 year Sharpe Ratio; 3 and 5 year Information Ratio; 5 year R-Squared. The Sharpe Ratio is calculated by taking the difference of a fund's annualized performance and the annualized performance of a 90 day T-Bill. The difference is divided by the fund's standard deviation to determine the return per unit of risk. Information Ratio measures the difference between a fund's actual returns and its benchmark's performance, divided by the tracking error, which is the standard deviation of excess return. Information Ratio is often used as a measurement of the risk-adjusted return. This report utilizes the Morningstar best-fit index for 3 year alpha, and the index utilized for 5 year Alpha is the S&P 500 Index. R-squared reflects the percentage of a fund's movements that are explained by movements in its benchmark index. An R-squared of 100 means that all movements of a fund are completely explained by movements in the index. An R-squared of 0 means no correlation exists. Note: a best-fit index is an index that Morningstar determined to have the highest R-squared correlation with the fund being analyzed. In certain cases, Morningstar's "best fit" index may differ from the benchmark index chosen for the LPL Financial Retirement Partners Scorecards.
- **Volatility:** This report utilizes Beta or Standard deviation criteria to measure fund volatility. Beta is a measure of the degree of change in value one can expect in a portfolio given a change in value in a benchmark index. A portfolio with a beta greater than one is generally more volatile than its benchmark index; a portfolio with a beta of less than one is generally less volatile than its benchmark index. Standard deviation is a statistical measure of the range of a fund's performance. When a fund has a high standard deviation, its range of performance has been wide, indicating greater historical volatility. The standard deviation figure provided in the report is an annualized statistic based on rolling 36 monthly returns.
- **Fund Expenses:** If selected as a criterion, this report utilizes a fund's net expense ratio in the Fund Criteria Report section. The expense ratio is the percentage of fund assets paid for operating expenses and management fees. The expense ratio typically includes the following types of fees: accounting, administrator, financial professional, auditor, board of directors, custodial, distribution (12b-1), legal, organizational, professional, registration, shareholder reporting, sub-advisor, and transfer agency. The expense ratio does not reflect the fund's brokerage costs or any investor sales charges. A net expense ratio

reflects the actual expenses that have been paid by the fund and reflects any voluntary waivers, reductions from brokerage service arrangements, and any other expense offset arrangements.

- **LPL Financial Retirement Partners Score:** The Score is an overall score to help Plan Sponsors evaluate an investment product's suitability for a given investment category. The Score is based on an equally-weighted set of 12 criteria, based on five years of monthly data and covering key quantitative and qualitative aspects of each investment. These key areas include investment management style, risk-return characteristics, peer group relative performance, relative expenses and portfolio manager tenure. In the case of Target Date Funds, LPL Financial Retirement Partners Scorecards are generated for those funds with at least three years of history, and evaluate the fund's Risk/Return metric instead of Style Drift.

Overall Criteria Scoring

This information includes the "Criteria Score" and "Status" or "Overall Criteria." The Criteria Score displays the number of report criteria met out of the total number of criteria selected for the report. The report functionality supports selection of up to 12 criteria per report. It is strongly recommended that at least six criteria are selected for a report. The Status column indicates whether a fund met the number of criteria targeted to be met, as selected on the "Investment Criteria Rating" section of the Plan Entry form. For example, if 12 criteria in a report are selected to be monitored and "6" is selected under "Investment Criteria Rating", the Overall Criteria Scoring system will highlight each fund as "Meets Criteria" if a fund met six or more of the 12 criteria chosen by the Plan Sponsor, and it will highlight funds as "Does Not Meet" criteria if a fund met five or fewer of the selected criteria.

Extended Performance Data

The analysis in this report may be based, in part, on adjusted historical returns for periods prior to a class's actual inception. These calculated returns reflect the historical performance of the oldest share class of the same fund, adjusted to reflect the fees and expenses of this share class. When pre-inception data are presented for a fund in the report, the fund will be footnoted to indicate this throughout the report. Note that only the performance, manager tenure, inception date, total net assets and Morningstar rating based report criteria reflect pre-inception data. Other reporting criteria, including Sharpe ratio, beta, and expense ratio are based on the data from the new class's own inception date and performance, not on adjusted data from the inception of the first class of the fund.

The performance quoted represents the reinvestment of dividends and capital gains, is net of expenses and does not reflect the maximum sales charge. Such a fee, if taken into consideration, will reduce the performance quoted.

The performance data quoted represents past performance. Past performance does not guarantee future results. Investment return and principal value will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance information quoted. To obtain current month-end performance information please call (800) 877-7210.

Investors should consider the investment objectives, risks, charges and expenses of the investment company carefully before investing. The prospectus and, if available, the summary prospectus contain this and other important information about the investment company. You can obtain a prospectus and summary prospectus from your financial representative. Read carefully before investing.

Market Insight Quarterly

Third Quarter 2024

News & Views from LPL Research

The economic forecasts set forth in the presentation may not develop as predicted. Please note: all return figures are as of September 30, 2024 unless otherwise stated. This information is not intended as authoritative guidance or tax or legal advice. You should consult with your attorney or tax advisor for guidance on your specific situation.

About us

LPL Financial Retirement Partners is the retirement-focused division of LPL Financial LLC dedicated solely to supporting financial professionals who service the retirement plan market. Our promise is to create services and resources so that financial professionals may deliver employers and employees exceptional experiences and high-quality programs by providing services that help save time, reduce exposure to fiduciary liability, and address both Internal Revenue Service and Department of Labor requirements. Our comprehensive analysis of retirement plans and plan design features establishes a strong foundation, and our structured service and employee communication model strives to ensure ongoing excellence. LPL Financial Retirement Partners provides professional human capital gained through decades of experience working for, and with, some of the top defined contribution, defined benefit, and deferred compensation service providers in the industry. Our independent perspective has been utilized by thousands of companies nationwide, with billions in retirement plan assets. The economies derived from our scale and national presence enable us to give financial professionals outstanding resources to help plan sponsors evaluate, design, and negotiate high-quality retirement programs. For more information regarding our firm, please visit our website: www.lpl.com.

Q3 2024 at a Glance

Sector	Q3 2024
Gross Domestic Product*	2.0%
S&P 500 Index	5.9%
Bloomberg U.S. Aggregate Bond Index	5.2%
Bloomberg Commodity Index	0.7%

Source: LPL Research, Bloomberg, FactSet, 09/30/2024

* Bloomberg consensus as of 09/30/2024

Figures for S&P 500 Index, Bloomberg Barclays Aggregate Bond Index, and Bloomberg Commodities Index are total returns from 07/01/2024 - 09/30/2024 (Q3)

All indexes are unmanaged and cannot be invested into directly. The returns do not reflect fees, sales charges, or expenses. The results don't reflect any particular investment.

Past performance is not indicative of future results.

Small Cap Stocks Topped Large Caps as Telecoms Soared

After sharply underperforming during the second quarter, small caps produced their second-best quarter since early 2021, while outperforming their large cap counterparts. The Russell 2000 small cap index advanced 9.3% in the third quarter while the Russell 1000 large cap index added 6.1%. Except for energy, all sectors rose across the Russell 2000, led by a 39% rally in telecommunications and strong gains in real estate, financials, and utilities. Higher rates are historically not favorable for small caps, however, the September Fed cut and further monetary easing on the horizon could help the asset class. Turning to year-to-date numbers, both asset classes have printed solid gains; however, large cap equities continue to dominate small caps by nearly 10% based on the Russell Indexes. Volatility for both large and small cap stocks is expected to continue through year end, amid Fed policy decisions and the upcoming U.S.

Presidential election. LPL Research remains neutral towards small and large cap equities.

Equities Rose on a Historic Rate Cut and Broader Rallies The S&P 500 delivered a solid 5.9% gain in the third quarter, bringing the index's year-to-date advance to over 20%. Utilities earned the top spot for sector performance while technology's dominance stalled, causing the tech-laden Nasdaq Composite to lag, adding just 2.8% over the last three months. Meanwhile, the Dow Jones Industrial Average outperformed among major indexes, gaining 8.7% during the quarter. The Russell 3000 index, a popular gauge for total stock market performance ended 6.2% in positive territory.

The biggest story of the third quarter was easily the Federal Reserve's (Fed) historic half-percent (0.5%) rate cut at the September meeting, the first cut in four years. After macro data indicated that inflation was easing and the labor market was continuing to cool, the Fed went bold, actually shifting focus to the labor market and signaling they are committed to full employment and avoiding a pronounced slowdown.

Corporate earnings remained resilient, continuing to support relatively high stock valuations. Second-quarter earnings for S&P 500 constituents grew 11.4% compared to the 8.8% consensus expectation, as big tech and artificial intelligence (AI) names once again broadly delivered excellent earnings growth. Looking forward, Wall Street expects third quarter earnings to remain positive, but step down to a slower annual pace.

The geopolitical landscape remained dynamic, highlighted by a French parliamentary election, rising tensions in the Middle East, and President Joe Biden dropping out of the Presidential race in favor of Vice President Kamala Harris. Despite the start of the monetary easing cycle, interest rates remain relatively high, and consumers and companies must adapt and navigate as the economy transitions.

Growth Lagged Value as Big Tech Stalled

Both growth and value stocks gained ground during the quarter, but growth name struggled in comparison. The Russell 1000 Growth Index finished a modest 3.2% higher, while the Russell 1000 Value Index advanced 9.4%. Markets saw solid returns from a wider spectrum of names, after the second quarter was characterized by narrow leadership from big tech. The Magnificent Seven ended mixed, and the tech sector finished less than 1.5% higher as investors rotated to other corners of the market. Nonetheless, the S&P 500 continued to set fresh records, bringing the 2024 record count to 42, despite a brief market pullback in August.

Earnings were broadly healthy, as the S&P 500 saw the strongest earnings growth since the fourth quarter of 2021. Approximately 80% of S&P constituents beat estimates, topping the five-year average of 77%, with only 67 companies delivering negative guidance – the lowest since the fourth quarter of 2022. The utilities, real estate, and industrials sectors led gains, and energy was the lone sector to print a quarterly decline.

International and Emerging Markets Outpaced the U.S.

International equities outperformed their domestic peers as the MSCI EAFE Index rose 7.3%, compared with the S&P 500's 5.9% return. Emerging markets (EM) delivered another solid quarter, once again outperforming their developed country counterparts and the S&P 500, as the MSCI EM Index returned 8.9%.

Europe overcame market jitters around the French parliamentary election to start the quarter, in which the left-wing alliance recorded a surprise win, although no single party secured a working majority. Central banks were active, headlined by the European Central Bank (ECB) cutting interest rates another 0.25%, with central banks in Switzerland and England following suit.

Asia was also a focal point for global markets. The Bank of Japan (BOJ) raised interest rates to a 15-year high, leading to the unwinding of yen carry trades and sparking a brief global market selloff in early August. Chinese stocks boosted EM with a late September surge following an aggressive economic stimulus package aimed at rejuvenating the weakening economy.

Bonds Rose During Ramp-Up to Fed Rate Cut

Core bonds were up over 5% for the quarter, proxied by the Bloomberg U.S. Aggregate Index. Bond prices rose ahead of the Fed's mid-September rate cut; however, prices steadied post-cut as yields inched higher. The bond market's expectation for the September cut resulted in yields trimming losses, as the bond market expects further cuts over the next 12 months. The updated Fed dot plot, which illustrates committee members' rate expectations, also indicated continued policy easing throughout 2025.

High-yield corporate bonds, the most credit sensitive sector of the bond market, nearly mirrored the returns of U.S. Treasuries, the most rate sensitive sector. After recent outperformance due to a cooling economic environment and reinforced expectations for a soft landing, the Bloomberg U.S. High Yield index gained 5.3%, only slightly outperforming the Bloomberg U.S. Treasury Index's 4.7% return. Additionally, the Treasury yield curve steepened notably, while the two- and 10-year yield spread dis-inverted for the first time since mid-2022.

Crude Oil Weighed on Commodities

The Bloomberg Commodities index rose just 0.7% during the third quarter, leaving year-to-date gains at 5.9%.

West Texas Intermediate (WTI) crude slumped, closing 16.4% in the red. Crude oil prices found support from heightened tensions in the Middle East between Israel and Hamas; however, support was grossly offset by downward pressure from uncertainty around global demand, largely due to China's weakening economy and increased production and output in the Middle East.

Gold reached multiple all-time highs over the last three months, as bullion rallied over 13%. Falling yields, a weaker dollar, central bank demand, a jump in over-the-counter buying, and the return of inflows into gold exchange traded funds (ETFs) were key catalysts behind the advance. Silver added 5.8%, still leading gold by over 3% in year-to-date gains, while copper gained 2.4%. Precious metals rose over 10% during the quarter, while industrial metals edged higher after outperforming precious metals last quarter.

Soft commodities rallied, while grains ended slightly lower. Corn rebounded, nearing three-month highs at the end of September as oversold conditions prompted a short-covering rally into a strong seasonal period, while soybeans and wheat continued to slump due in part to weather-related factors.

A Look Ahead

Economy. Economic data has indicated that overall economic growth is holding up and recession concerns have eased; however, focus turns to labor market and consumer spending results. Investors should be prepared for the following:

- **Consumer Spending Remains Slow.** Consumer spending has continued to slow, as decreases in goods prices have been offset by sticky services inflation.
- **Measurable Labor Market Cooling.** While companies have continued to add payrolls, employment demand is slowing, and weaker full time employment data signals upcoming employment reports could be soft, although not cratering.
- **Contained Inflation.** Price increases have broadly decelerated but continue to inch higher, and the impact on consumer prices will take time.
- **More Fed Cuts Likely on the Way.** With inflation contained and the Fed's focus shifting to the labor market, a higher unemployment rate and fewer hirings will likely pave the way for future rate cuts.

Stocks. The stock market's strong first half continued into the third quarter, receiving a boost from the bold and long-anticipated Fed rate cut. Looking ahead to the fourth quarter, LPL Research offers the following:

- **Technicals Remain Tight.** Stocks have moved steadily higher during this bull market; however, absent a market pullback or correction, the technical setup near record highs signals that short-term gains could be modest.
- **Positive, But Slower Earnings Growth.** After the S&P 500 delivered a record-breaking earnings cycle last quarter, consensus forecasts indicate that earnings growth will be positive, but at a much slower rate.
- **Volatility Expected.** Volatility will likely remain elevated in the coming months as the market waits for more clarity on the economy, elections, and a better seasonal setup. Remember, market pullbacks and corrections are a normal part of the cycle and should be anticipated.
- **Be Patient.** Consider a wait-and-see approach to add equity exposure, potentially buying on market dips.

Bonds. With the Fed's easing cycle underway, more rate cuts are on the horizon. While a shifting rate environment can lead to volatility, for the bond market it's what's priced in that matters. Investors should consider the following:

- **Current Bond Yields Remain Attractive.** Despite the 0.5% cut in September, yields have held steady or even moved higher. This move reflects that the bond market already priced in a fairly aggressive rate cutting cycle and expects further rate cuts over the next 12 months.
- **Focus on Income.** Historically, fixed income returns primarily come from the income component, and with income levels still relatively attractive, consider clipping coupons over cash.
- **Limited Yield Movement is Likely.** Absent signs of further economic cooling, intermediate and longer-term rates may consolidate around current levels or actually move higher as the Treasury yield curve returns to upward-sloping levels.

Please note: All return figures are as of September 30, 2024, unless otherwise stated. Past performance is not indicative of future results.

The economic forecasts set forth in the presentation may not develop as predicted.

U.S. Treasuries may be considered "safe haven" investments but do carry some degree of risk including interest rate, credit, and market risk. They are guaranteed by the U.S. government as to the timely payment of principal and interest and, if held to maturity, offer a fixed rate of return and fixed principal value.

Third Quarter Performance Overview

Strong Quarter for Income Sectors as Rates Fell
S&P 500 sector performance, ranked by third quarter returns*

Sector	Q3 2024
Utilities	19.4%
Real Estate	17.2%
Industrials	11.5%
Financials	10.7%
Materials	9.7%
Consumer Staples	9.0%
Consumer Discretionary	7.8%
Healthcare	6.1%
S&P 500	5.9%
Communication Services	1.7%
Technology	1.6%
Energy	(2.3)%

Value and Emerging Markets Topped Third Quarter Stock Returns
Domestic and international asset class performance, ranked by third quarter returns*

Asset Class	Q3 2024
Small Value	10.2%
Mid Value	10.1%
Large Value	9.4%
Emerging Markets	8.9%
Small Growth	8.4%
Large Foreign	7.3%
Mid Growth	6.5%
Russell 3000	6.2%
S&P 500	5.9%
Large Growth	3.2%

Weak U.S. Dollar Drove Solid Gains for EM Debt and Unhedged Foreign Bonds
Bond market performance, ranked by third quarter returns*

Sector	Q3 2024
Foreign Bonds (Unhedged)	8.6%
Preferred Stocks	6.1%
EM Debt	5.8%
Investment-Grade Corporates	5.7%
MBS	5.5%
High-Yield Corporates	5.3%
Bloomberg Barclays U.S. Agg	5.2%
U.S. Treasuries	4.7%
TIPS	4.1%
Foreign Bonds (Hedged)	3.6%
High-Yield Munis	3.2%
Munis	2.7%
Bank Loans	1.9%

**Sources: LPL Research, FactSet, as of 09/30/2024

All data as of 09/30/2024

All indexes are unmanaged and cannot be invested into directly. All indexes are unmanaged and cannot be invested into directly. The returns do not reflect fees, sales charges, or expenses. The results don't reflect any particular investment. Past performance is no guarantee of future results.

The sectors are represented by the 11 S&P 500 Global Industry Classification Standard (GICS) indexes.

Asset class returns are represented by the returns of indexes and are not ranked on an annual total return basis. It is not possible to invest directly in an index.

Bond Market Asset Class Indexes: Foreign Bonds (hedged) – Citigroup Non-U.S. World Government Bond Index Hedged for Currency; Preferred Securities – Merrill Lynch Preferred Stock Hybrid Securities Index; Treasury – Bloomberg U.S. Treasury Index; Mortgage-Backed Securities – Bloomberg U.S. MBS Index; Investment-Grade Corporate – Bloomberg U.S. Corporate Bond Index; Municipal – Bloomberg Municipal Bond Index; Municipal High-Yield – Bloomberg Municipal High Yield Index; TIPS – Bloomberg Treasury Inflation-Protected Securities Index; Bank Loans – Bloomberg U.S. High Yield Loan Index; High-Yield – Bloomberg U.S. Corporate High Yield Index; Emerging Market Debt – Bloomberg Emerging Markets USD Aggregate Total Return Index Unhedged; Foreign Bonds (unhedged) Citigroup Non-U.S. World Government Bond Index (unhedged)

Important Disclosures

Investing involves risks including possible loss of principal. No investment strategy or risk management technique can guarantee return or eliminate risk in all market environments.

The opinions voiced in this material are for general information only and are not intended to provide specific advice or recommendations for any individual security. To determine which investment(s) may be appropriate for you, consult your financial professional prior to investing. The economic forecasts set forth in this material may not develop as predicted. All performance referenced is historical and is no guarantee of future results.

All information is believed to be from reliable sources; however, LPL Financial makes no representation as to its completeness or accuracy.

All company names noted herein are for educational purposes only and not an indication of trading intent or a solicitation of their products or services. LPL Financial doesn't provide research on individual equities.

Gross domestic product (GDP) is the monetary value of all the finished goods and services produced within a country's borders in a specific time period, though GDP is usually calculated on an annual basis. It includes all of private and public consumption, government outlays, investments, and exports less imports that occur within a defined territory. annually as a percentage based on the investment's cost its current market value or its face value.

Earnings per share (EPS) is the portion of a company's profit allocated to each outstanding share of common stock. EPS serves as an indicator of a company's profitability. Earnings per share is generally considered to be the single most important variable in determining a share's price. It is also a major component used to calculate the price-to-earnings valuation ratio.

Small cap is a term used to classify companies with a relatively small market capitalization. The definition of small cap can vary, but it is generally a company with a market capitalization of between \$300 million and \$2 billion. The prices of small cap stocks are generally more volatile than large cap stocks.

The S&P 500 Index is a capitalization-weighted index of 500 stocks designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

The Bloomberg Global Aggregate Index measures the performance of global investment grade debt. The index includes treasury, corporate, and securitized fixed-rate bonds. Investing in stock includes numerous specific risks including: the fluctuation of dividend, loss of principal and potential illiquidity of the investment in a falling market.

Bonds are subject to market and interest rate risk if sold prior to maturity. Bond values will decline as interest rates rise and bonds are subject to availability and change in price.

High yield/junk bonds (grade BB or below) are not investment grade securities, and are subject to higher interest rate, credit, and liquidity risks than those graded BBB and above. They generally should be part of a diversified portfolio for sophisticated investors.

Commodity-linked investments may be more volatile and less liquid than the underlying instruments or measures, and their value may be affected by the performance of the overall commodities baskets as well as weather, geopolitical events, and regulatory developments. The fast price swings in commodities and currencies will result in significant volatility in an investor's holdings.

This research material has been prepared by LPL Financial LLC.

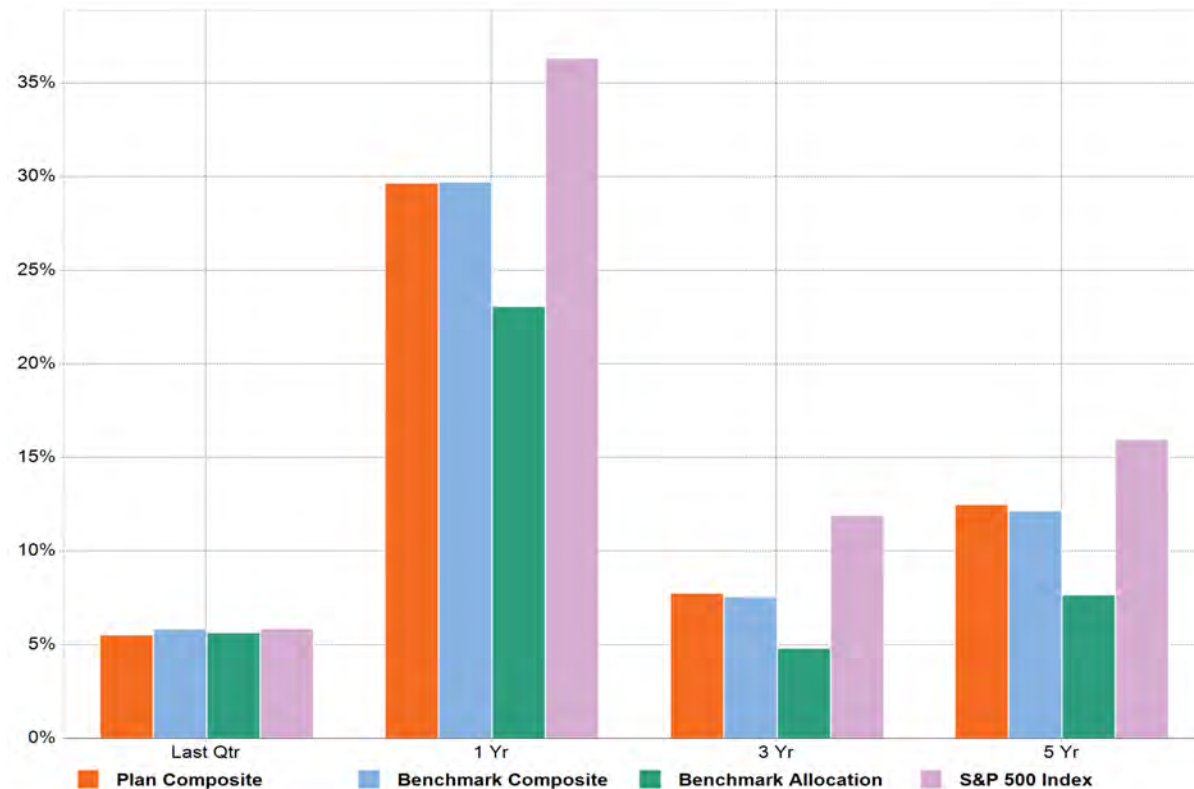


Asset classes are defined as broad, distinct types of investments that behave similarly and are subject to most of the same market forces. When evaluating the diversification of assets in the investment portfolio it is an important factor in assessing risk and return. Listed below are the asset classes of fund options included in this report:

Large Value	Large Blend	Large Growth
Mid-Cap Value	Mid-Cap Growth	Small Value
Small Growth	Foreign Large Blend	Foreign Large Growth
Diversified Emerging Markets	Global Large-Stock Blend	Global Large-Stock Growth
Global Small/Mid Stock	Specialty - Real Estate	Money Market/Stable Value
Intermediate Core Bond	Long-Term Bond	High Yield Bond
Multisector Bond	Global Bond	Target Date 2020
Target Date 2025	Target Date 2030	Target Date 2035
Target Date 2040	Target Date 2045	Target Date 2050
Target Date 2055	Target-Date 2060	Target-Date 2065+
Target Date Retirement		

Fund	Last QTR	YTD	1 YR	3 YRS	5 YRS	Gross Exp.	Net Exp.	Peer Avg. Gross Exp. Ratio
Plan Composite Return	5.54	17.20	29.68	7.77	12.50	0.15	0.15	0.81
Benchmark Composite Return	5.84	16.77	29.73	7.56	12.14	n/a	n/a	n/a
Benchmark Allocation Return (60/30/10)	5.66	12.94	23.08	4.82	7.66	n/a	n/a	n/a
S&P 500 Index	5.89	22.08	36.35	11.91	15.98	n/a	n/a	n/a

Benchmark Allocation Return composed of 60% MSCI ACWI NR USD, 30% BarCap US Agg Bond and 10% US Treas T-Bill

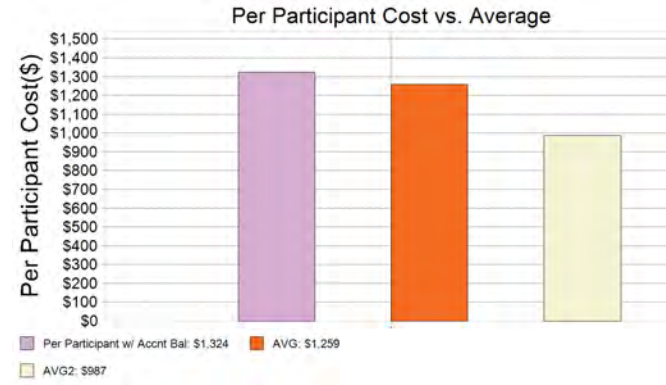


Benchmark Composite Return Composition

Russell 1000 Growth TR USD	26.63%
Russell 1000 TR USD	16.06%
Russell 1000 Value TR USD	14.59%
USTREAS T-Bill Auction Ave 3 Mon	9.23%
Morningstar Lifetime Moderate 2025	9.00%
MSCI World NR USD	3.22%
Russell 2000 Value TR USD	3.21%
Russell 2000 Growth TR USD	2.84%
Russell Mid Cap Value TR USD	2.84%
Russell Mid Cap Growth TR USD	2.66%
MSCI EAFE Growth NR USD	1.57%
MSCI EM NR USD	1.57%
MSCI ACWI Ex USA NR USD	1.51%
BofAML US HY Master II TR USD	1.42%
MSCI ACWI SMID NR USD	1.31%
Other Benchmarks	2.32%

The Plan Composite Return is presented net of fees. The Composite Benchmark and the individual benchmarks are shown gross of fees.

	Total (\$'s)	Total (%)	Fees Distribution	Per Participant
Invested Assets Total	\$ 585,051			No. 5
Recordkeeper	\$ 2,797	0.48%	42%	\$ 559
Advisor/Consultant	\$ 2,925	0.50%	44%	\$ 585
Investment Managers	\$ 897	0.15%	14%	\$ 179
Managed Accounts Provider	\$	0.00%	0%	\$
Other Service	\$	0.00%	0%	\$
Total Plan Cost	\$ 6,619	1.13%	100%	\$ 1,324
Plan Size Average	\$ 1	1.61%		\$ 1,259
	\$ 1,250,000	1.30%		\$ 987



Fees Distribution



Fee Synopsis

Magna Water District 401(k) Plan Executive Summary

INVESTMENT	FUND ID	ASSETS	3Q24	2Q24	1Q24	4Q23	3Q23	2Q23	1Q23	4Q22
Large Value										
E American Beacon Large Cap Value Inv	AAGPX	-	11	11	11	11	10	9	8	9
E Vanguard Value Index Adm	VVIAX	\$85,382	12	12	12	11	12	11	11	12
Large Blend										
E Vanguard 500 Index Admiral	VFIAX	\$93,945	12	12	12	12	12	12	11	11
Large Growth										
E Vanguard Growth Index Admiral	VIGAX	\$155,824	9	9	9	9	9	9	8	8
Mid-Cap Value										
E Vanguard Mid-Cap Value Index Admiral	VMVAX	\$16,598	11	8	8	8	9	10	9	12
Mid-Cap Growth										
E Vanguard Mid-Cap Growth Index Admiral	VMGMX	\$15,580	8	8	7	9	12	10	11	11
Small Value										
E Vanguard Small Cap Value Index Admiral	VSIAX	\$18,797	12	12	12	11	10	12	10	12
Small Growth										
E Vanguard Small Cap Growth Index Admiral	VSGAX	\$16,598	8	10	10	10	9	9	9	9
Foreign Large Blend										
E Vanguard Developed Markets Index Admiral	VTMGX	\$8,837	12	11	12	12	12	12	11	12
Foreign Large Growth										
W American Funds Europacific Growth R5	RERFX	\$9,175	6	7	7	6	9	7	9	7
Diversified Emerging Markets										
E Vanguard Emerging Mkts Stock Idx Adm	VEMAX	\$9,212	12	11	10	11	11	11	12	12
Global Large-Stock Blend										
E American Funds Capital World Gr&Inc R5	RWIFX	\$9,319	9	9	8	8	8	7	7	7
Global Large-Stock Growth										
E American Funds New Perspective R5	RNPFX	\$9,559	10	11	10	11	11	11	11	12
Global Small/Mid Stock										
E American Funds SMALLCAP World R5	RSLFX	\$7,665	8	8	11	10	10	10	9	10

Fund Color: **A = To Be Added** **P = Proposed** **R = To Be Replaced** **W = On Watch List**

Score Legend:

Pass	Fail
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NS = No fund score available at this time. "*" = data is missing for one or more criteria (see Fund Criteria Report for detailed criteria). "*" = Returns and scores for this fund based on historical performance of its oldest share class, updated to reflect adjusted fees and expenses.

Magna Water District 401(k) Plan Executive Summary

INVESTMENT	FUND ID	ASSETS	3Q24	2Q24	1Q24	4Q23	3Q23	2Q23	1Q23	4Q22
Specialty - Real Estate										
E Vanguard Real Estate Index Admiral	VGSLX	-	9	8	10	9	8	9	9	10
Money Market/Stable Value										
E Reliance Trust Stable Value Fd MetLife Series 25053 Class 0	METLIFE	\$54,024	-	-	-	-	-	-	-	-
Intermediate Core Bond										
E Vanguard Interm-Term Bond Index Adm	VBILX	\$784	12	10	11	10	10	10	12	12
Long-Term Bond										
W Vanguard Long-Term Bond Index Admiral	VBLAX	\$744	7	8	7	7	9	8	9	6
High Yield Bond										
E American Funds American High-Inc R5	RITFX	\$8,307	12	11	11	12	11	11	12	12
Multisector Bond										
E Fidelity Strategic Income	FADMX	\$5,736	10	10	10	10	10	11	10	10
Global Bond										
E American Funds Capital World Bond R5	RCWFX	\$6,313	9	8	7	7	7	9	9	9
Target Date 2020										
E Vanguard Target Retirement 2020 Fund	VTWNX	-	11	11	10	12	12	10	11	11
Target Date 2025										
E Vanguard Target Retirement 2025 Fund	VTTVX	\$52,652	12	12	12	12	12	12	12	11
Target Date 2030										
E Vanguard Target Retirement 2030 Fund	VTHRX	-	12	12	12	12	12	12	12	11
Target Date 2035										
E Vanguard Target Retirement 2035 Fund	VTTHX	-	11	12	11	12	11	11	11	11
Target Date 2040										
E Vanguard Target Retirement 2040 Fund	VFORX	-	10	11	10	11	11	10	11	12
Target Date 2045										
E Vanguard Target Retirement 2045 Fund	VTIVX	-	11	11	10	12	12	11	12	12

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Score Legend:

Pass	Fail
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INVESTMENT	FUND ID	ASSETS	3Q24	2Q24	1Q24	4Q23	3Q23	2Q23	1Q23	4Q22
Target Date 2050										
E Vanguard Target Retirement 2050 Fund	VFIFX	-	11	11	11	12	11	12	12	12
Target Date 2055										
E Vanguard Target Retirement 2055 Fund	VFFVX	-	11	11	11	12	10	10	11	12
Target-Date 2060										
E Vanguard Target Retirement 2060 Fund	VTTSX	-	11	11	10	11	10	10	11	12
Target-Date 2065+										
E Vanguard Target Retirement 2065 Fund	VLXVX	-	9	9	9	9	9	8	9	11
Target Date Retirement										
E Vanguard Target Retirement Income Fund	VTINX	-	7	8	8	9	8	8	8	8

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Score Legend:

Pass	Fail
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U.S. Equity Style

	VALUE		BLEND		GROWTH	
LARGE	American Beacon Large Cap Value Inv	11	Vanguard 500 Index Admiral	\$93,945 12	Vanguard Growth Index Admiral	\$155,824 9
	Vanguard Value Index Adm	\$85,382 12				
MEDIUM	Vanguard Mid-Cap Value Index Admiral	\$16,598 11			Vanguard Mid-Cap Growth Index Admiral	\$15,580 8
SMALL	Vanguard Small Cap Value Index Admiral	\$18,797 12			Vanguard Small Cap Growth Index Admiral	\$16,598 8

The vertical axis of equity funds shows the market capitalization of the stocks owned and the horizontal axis shows the investment style.
Style box content includes: Fund Name, Assets, and Current Score.

Foreign/World Equity Style

	VALUE		BLEND		GROWTH	
LARGE			Vanguard Developed Markets Index Admiral	\$8,837 12	American Funds Capital World Gr&Inc R5	\$9,319 9
			Vanguard Emerging Mkts Stock Idx Adm	\$9,212 12	American Funds New Perspective R5	\$9,559 10
MEDIUM					W American Funds Europacific Growth R5	\$9,175 6
SMALL						

The vertical axis of equity funds shows the market capitalization of the stocks owned and the horizontal axis shows the investment style.
Style box content includes: Fund Name, Assets, and Current Score.

Fund Color: W = On Watch List

Fixed Income Style

	LIMITED	MODERATE	EXTENSIVE
HIGH			
MEDIUM		Vanguard Interm-Term Bond Index Adm \$784 12	American Funds Capital World Bond R5 \$6,313 9 W Vanguard Long-Term Bond Index Admiral \$744 7
LOW	American Funds American High-Inc R5 \$8,307 12		

The vertical axis of fixed income funds shows the average credit quality of the bonds owned, and the horizontal axis shows interest rate sensitivity as measured by a bond's duration. Style box content includes: Fund Name, Assets, and Current Score.

Other Styles

	TARGET DATE FUNDS	ASSET ALLOCATION	SPECIALTY
	Target Date Series \$52,652 -		Vanguard Real Estate Index Admiral 9

Target Date, Asset Allocation, and Specialty Asset Category boxes have been segregated from the traditional Equity Style box to distinguish funds assigned to them. Multisector funds are typically not categorized within the Morningstar StyleBox. Style box content includes: Fund Name, Assets, and Current Score.

Funds not included in the style charts

- American Funds SMALLCAP World R5
- Fidelity Strategic Income
- Reliance Trust Stable Value Fd MetLife Series 25053 Class 0

Fund Color: W = On Watch List

The analysis in this report may be based, in part, on adjusted historical returns for periods prior to a class's actual inception. These calculated returns reflect the historical performance of the oldest share class of the fund, adjusted to reflect the fees and expenses of this share class. When pre-inception data are presented for a fund in the report, the fund is listed below and will be footnoted to indicate this throughout the report. While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. These adjusted historical returns are not actual returns. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.*

Oldest Share Class: VOE - Vanguard Mid-Cap Value ETF

Extended Fund: VMVAX - Vanguard Mid-Cap Value Index Admiral - Inception Date: 9/27/2011

Oldest Share Class: VOT - Vanguard Mid-Cap Growth ETF

Extended Fund: VMGMX - Vanguard Mid-Cap Growth Index Admiral - Inception Date: 9/27/2011

Oldest Share Class: VISVX - Vanguard Small Cap Value Index Inv

Extended Fund: VSIAX - Vanguard Small Cap Value Index Admiral - Inception Date: 9/27/2011

Oldest Share Class: VISGX - Vanguard Small Cap Growth Index Inv

Extended Fund: VSGAX - Vanguard Small Cap Growth Index Admiral - Inception Date: 9/27/2011

Oldest Share Class: VEIEX - Vanguard Emerging Mkts Stock Idx Inv

Extended Fund: VEMAX - Vanguard Emerging Mkts Stock Idx Adm - Inception Date: 6/23/2006

Oldest Share Class: VBLLX - Vanguard Long-Term Bond Index Instl

Extended Fund: VBLAX - Vanguard Long-Term Bond Index Admiral - Inception Date: 2/7/2019

Oldest Share Class: FSIAX - Fidelity Advisor Strategic Income M

Extended Fund: FADMX - Fidelity Strategic Income - Inception Date: 4/13/2018

*"The Morningstar Approach to Extended Performance" by © 2024 Morningstar, Inc.

Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Large Value												
American Beacon Large Cap Value Inv (MF)		7.96	16.62	28.44 (38)	10.19 (39)	12.08 (33)	9.19 (53)	9.26	8/1/1994	0.94	0.94	11
Vanguard Value Index Adm (MF)	\$85,382	9.42	18.97	29.78 (25)	11.64 (17)	12.25 (30)	10.78 (15)	7.73	11/13/2000	0.05	0.05	12
Peer Group Metric - MF		8.09	16.06	27.36	9.64	11.14	9.30	-	-	-	0.75	-
Russell 1000 Value TR USD		9.43	16.68	27.76	9.03	10.69	9.23	-	-	-	-	-
Large Blend												
Vanguard 500 Index Admiral (MF)	\$93,945	5.87	22.04	36.29 (24)	11.87 (22)	15.93 (20)	13.34 (9)	8.27	11/13/2000	0.04	0.04	12
Peer Group Metric - MF		5.85	20.26	34.28	10.55	14.89	12.11	-	-	-	0.65	-
Russell 1000 TR USD		6.08	21.18	35.68	10.83	15.64	13.10	-	-	-	-	-
Large Growth												
Vanguard Growth Index Admiral (MF)	\$155,824	2.92	24.02	41.90 (37)	10.46 (24)	19.00 (17)	15.54 (18)	8.92	11/13/2000	0.05	0.05	9
Peer Group Metric - MF		3.39	22.75	39.53	8.59	16.35	13.94	-	-	-	0.82	-
Russell 1000 Growth TR USD		3.19	24.55	42.19	12.02	19.74	16.52	-	-	-	-	-
Mid-Cap Value												
Vanguard Mid-Cap Value Index Admiral** (MF)	\$16,598	11.99	17.51	31.04 (11)	8.73 (50)	10.76 (49)	9.56 (24)	12.51	9/27/2011	0.07	0.07	11
Peer Group Metric - MF		8.91	13.00	25.86	8.70	10.69	8.84	-	-	-	0.79	-
Russell Mid Cap Value TR USD		10.08	15.08	29.01	7.39	10.33	8.93	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Mid-Cap Growth												
Vanguard Mid-Cap Growth Index Admiral** (MF)	\$15,580	6.25	11.40	26.00 (50)	1.70 (39)	11.19 (35)	10.58 (46)	12.47	9/27/2011	0.07	0.07	8
Peer Group Metric - MF		6.28	11.97	25.93	0.24	10.46	10.43	-	-	-	0.95	-
Russell Mid Cap Growth TR USD		6.54	12.91	29.33	2.32	11.48	11.30	-	-	-	-	-
Small Value												
Vanguard Small Cap Value Index Admiral** (MF)	\$18,797	10.53	13.26	28.69 (9)	8.22 (26)	11.60 (35)	9.58 (15)	12.39	9/27/2011	0.07	0.07	12
Peer Group Metric - MF		8.36	8.68	23.19	6.19	10.60	8.16	-	-	-	0.98	-
Russell 2000 Value TR USD		10.15	9.22	25.88	3.77	9.29	8.22	-	-	-	-	-
Small Growth												
Vanguard Small Cap Growth Index Admiral** (MF)	\$16,598	7.07	11.15	25.73 (50)	-0.95 (56)	8.60 (71)	9.18 (63)	11.58	9/27/2011	0.07	0.07	8
Peer Group Metric - MF		7.73	12.48	25.73	-0.31	9.76	9.70	-	-	-	1.09	-
Russell 2000 Growth TR USD		8.41	13.22	27.66	-0.35	8.82	8.95	-	-	-	-	-
Foreign Large Blend												
Vanguard Developed Markets Index Admiral (MF)	\$8,837	7.43	12.17	24.64 (50)	4.80 (45)	8.27 (38)	5.92 (28)	4.81	8/17/1999	0.08	0.08	12
Peer Group Metric - MF		7.28	13.17	24.64	4.58	7.86	5.50	-	-	-	0.71	-
MSCI ACWI Ex USA NR USD		8.06	14.21	25.35	4.14	7.59	5.22	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Foreign Large Growth												
W American Funds Europacific Growth R5 (MF)	\$9,175	5.39	12.96	24.66 (68)	0.01 (54)	7.47 (56)	6.21 (55)	7.39	5/15/2002	0.52	0.52	6
Peer Group Metric - MF		5.88	12.53	26.39	0.58	7.76	6.37	-	-	-	0.87	-
MSCI EAFE Growth NR USD		5.68	12.26	26.54	1.92	7.74	6.61	-	-	-	-	-
Diversified Emerging Markets												
Vanguard Emerging Mkts Stock Idx Adm** (MF)	\$9,212	9.29	17.27	24.96 (35)	1.59 (37)	6.38 (42)	4.17 (40)	5.33	6/23/2006	0.14	0.14	12
Peer Group Metric - MF		6.51	14.27	23.53	0.06	5.85	3.75	-	-	-	0.90	-
MSCI EM NR USD		8.72	16.86	26.05	0.40	5.75	4.02	-	-	-	-	-
Global Large-Stock Blend												
American Funds Capital World Gr&Inc R5 (MF)	\$9,319	5.76	16.35	30.18 (38)	7.57 (48)	11.23 (45)	8.72 (54)	9.17	5/15/2002	0.46	0.46	9
Peer Group Metric - MF		6.50	16.50	29.22	7.46	10.85	8.89	-	-	-	0.85	-
MSCI World NR USD		6.36	18.86	32.43	9.08	13.04	10.07	-	-	-	-	-
Global Large-Stock Growth												
American Funds New Perspective R5 (MF)	\$9,559	5.84	18.12	31.65 (51)	5.41 (35)	13.80 (21)	11.71 (15)	10.15	5/15/2002	0.47	0.47	10
Peer Group Metric - MF		4.80	17.41	32.10	4.22	12.15	9.94	-	-	-	0.99	-
MSCI World NR USD		6.36	18.86	32.43	9.08	13.04	10.07	-	-	-	-	-

Fund Color: A = Recommended Addition P = Proposed R = Recommended Replacement W = On Watch List

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INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Global Small/Mid Stock												
American Funds SMALLCAP World R5 (MF)	\$7,665	6.54	7.17	21.41 (47)	-3.64 (58)	8.78 (45)	8.82 (15)	9.18	5/15/2002	0.71	0.71	8
Peer Group Metric - MF		8.28	8.78	21.01	-2.71	8.45	7.43	-	-	-	1.20	-
MSCI ACWI SMID NR USD		9.37	12.47	25.55	3.09	9.20	7.68	-	-	-	-	-
Specialty - Real Estate												
Vanguard Real Estate Index Admiral (MF)		17.19	13.60	34.20 (30)	2.50 (63)	4.77 (53)	7.32 (44)	9.43	11/12/2001	0.13	0.13	9
Peer Group Metric - MF		16.03	13.86	33.07	2.90	4.82	7.21	-	-	-	0.88	-
DJ US Select REIT TR USD		15.56	14.92	33.71	4.36	4.41	7.03	-	-	-	-	-
Money Market/Stable Value												
Reliance Trust Stable Value Fd MetLife Series 25053 Class 0	\$54,024	0.56	n/a	2.49 (na)	2.47 (na)	2.86 (na)	3.94 (na)	n/a	n/a	0.62	0.62	n/a
USTREAS T-Bill Auction Ave 3 Mon		1.30	n/a	5.52	3.87	2.47	1.75	-	-	-	-	-
Intermediate Core Bond												
Vanguard Interm-Term Bond Index Adm (MF)	\$784	5.63	5.09	12.30 (23)	-1.27 (35)	0.70 (30)	2.30 (9)	4.16	11/12/2001	0.07	0.07	12
Peer Group Metric - MF		5.14	4.72	11.69	-1.42	0.38	1.78	-	-	-	0.46	-
Barclays US Agg Bond TR USD		5.20	4.45	11.57	-1.39	0.33	1.84	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Long-Term Bond												
W Vanguard Long-Term Bond Index Admiral** (MF)	\$744	7.92	3.61	17.20 (74)	-6.19 (99)	-1.97 (99)	2.32 (92)	1.17	2/7/2019	0.07	0.07	7
Peer Group Metric - MF		8.05	4.82	18.16	-4.48	-0.46	3.09	-	-	-	0.51	-
Barclays US Govt/Credit Long TR USD		7.96	3.54	17.24	-6.17	-1.97	2.32	-	-	-	-	-
High Yield Bond												
American Funds American High-Inc R5 (MF)	\$8,307	5.22	9.40	17.21 (5)	4.18 (13)	6.11 (5)	5.13 (10)	6.78	5/15/2002	0.39	0.38	12
Peer Group Metric - MF		4.46	7.29	14.35	2.83	4.10	4.21	-	-	-	0.75	-
BofAML US HY Master II TR USD		5.28	8.03	15.66	3.08	4.55	4.95	-	-	-	-	-
Multisector Bond												
Fidelity Strategic Income** (MF)	\$5,736	4.30	7.04	14.29 (28)	1.60 (44)	3.48 (25)	3.70 (21)	3.62	4/13/2018	0.66	0.66	10
Peer Group Metric - MF		4.42	6.63	12.74	1.38	2.74	3.23	-	-	-	0.97	-
Barclays US Agg Bond TR USD		5.20	4.45	11.57	-1.39	0.33	1.84	-	-	-	-	-
Global Bond												
American Funds Capital World Bond R5 (MF)	\$6,313	7.02	3.25	12.66 (31)	-3.45 (73)	-0.73 (58)	0.71 (35)	4.11	5/15/2002	0.54	0.54	9
Peer Group Metric - MF		6.70	3.97	11.97	-2.28	-0.43	0.39	-	-	-	0.78	-
Citi WGBI NonUSD USD		8.61	1.92	12.02	-6.25	-3.42	-1.09	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target Date 2020												
Vanguard Target Retirement 2020 Fund (MF)		5.37	9.49	18.25 (70)	2.86 (44)	6.01 (49)	5.99 (36)	6.19	6/7/2006	0.08	0.08	11
Peer Group Metric - MF		5.41	9.99	19.08	2.77	5.99	5.87	-	-	-	0.51	-
Morningstar Lifetime Moderate 2020		6.18	9.88	19.61	1.79	5.51	5.54	-	-	-	-	-
Target Date 2025												
Vanguard Target Retirement 2025 Fund (MF)	\$52,652	5.85	11.26	21.13 (24)	3.68 (19)	7.09 (28)	6.74 (22)	6.83	10/27/2003	0.08	0.08	12
Peer Group Metric - MF		5.62	10.73	20.40	3.13	6.73	6.24	-	-	-	0.56	-
Morningstar Lifetime Moderate 2025		6.45	10.50	20.94	2.01	5.96	6.00	-	-	-	-	-
Target Date 2030												
Vanguard Target Retirement 2030 Fund (MF)		6.17	12.54	23.27 (25)	4.40 (21)	8.04 (35)	7.35 (30)	6.98	6/7/2006	0.08	0.08	12
Peer Group Metric - MF		5.79	12.02	22.64	3.82	7.65	7.07	-	-	-	0.58	-
Morningstar Lifetime Moderate 2030		6.73	11.42	22.56	2.62	6.74	6.62	-	-	-	-	-
Target Date 2035												
Vanguard Target Retirement 2035 Fund (MF)		6.30	13.61	24.76 (55)	5.07 (29)	8.95 (46)	7.93 (39)	7.70	10/27/2003	0.08	0.08	11
Peer Group Metric - MF		6.05	13.57	24.87	4.74	8.83	7.73	-	-	-	0.58	-
Morningstar Lifetime Moderate 2035		6.99	12.70	24.54	3.66	7.83	7.33	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target Date 2040												
Vanguard Target Retirement 2040 Fund (MF)		6.43	14.61	26.33 (64)	5.75 (45)	9.85 (51)	8.49 (45)	7.72	6/7/2006	0.08	0.08	10
Peer Group Metric - MF		6.12	14.90	26.93	5.59	9.85	8.39	-	-	-	0.60	-
Morningstar Lifetime Moderate 2040		7.21	14.06	26.49	4.80	8.91	7.94	-	-	-	-	-
Target Date 2045												
Vanguard Target Retirement 2045 Fund (MF)		6.57	15.60	27.82 (62)	6.39 (47)	10.74 (39)	8.97 (37)	8.42	10/27/2003	0.08	0.08	11
Peer Group Metric - MF		6.35	15.87	28.31	6.24	10.55	8.66	-	-	-	0.59	-
Morningstar Lifetime Moderate 2045		7.36	15.07	27.90	5.61	9.63	8.29	-	-	-	-	-
Target Date 2050												
Vanguard Target Retirement 2050 Fund (MF)		6.71	16.36	28.91 (54)	6.83 (34)	11.05 (35)	9.13 (32)	8.09	6/7/2006	0.08	0.08	11
Peer Group Metric - MF		6.33	16.35	28.99	6.45	10.78	8.85	-	-	-	0.60	-
Morningstar Lifetime Moderate 2050		7.46	15.54	28.55	5.97	9.92	8.39	-	-	-	-	-
Target Date 2055												
Vanguard Target Retirement 2055 Fund (MF)		6.73	16.37	28.92 (61)	6.84 (36)	11.05 (40)	9.11 (38)	10.41	8/18/2010	0.08	0.08	11
Peer Group Metric - MF		6.40	16.41	29.20	6.48	10.89	8.86	-	-	-	0.60	-
Morningstar Lifetime Moderate 2055		7.52	15.60	28.66	5.98	9.93	8.36	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target-Date 2060												
Vanguard Target Retirement 2060 Fund (MF)		6.72	16.37	28.93 (62)	6.84 (39)	11.05 (45)	9.11 (61)	10.24	1/19/2012	0.08	0.08	11
Peer Group Metric - MF		6.38	16.42	29.25	6.49	10.95	9.15	-	-	-	0.60	-
Morningstar Lifetime Moderate 2060		7.57	15.55	28.62	5.91	9.87	8.28	-	-	-	-	-
Target-Date 2065+												
Vanguard Target Retirement 2065 Fund (MF)		6.74	16.39	28.95 (66)	6.87 (40)	11.04 (63)	n/a (na)	9.82	7/12/2017	0.08	0.08	9
Peer Group Metric - MF		6.26	16.54	29.34	6.53	11.09	n/a	-	-	-	0.57	-
Morningstar Lifetime Moderate 2060		7.57	15.55	28.62	5.91	9.87	n/a	-	-	-	-	-
Target Date Retirement												
Vanguard Target Retirement Income Fund (MF)		5.12	8.27	16.22 (63)	2.19 (50)	4.45 (56)	4.51 (40)	5.09	10/27/2003	0.08	0.08	7
Peer Group Metric - MF		5.10	8.80	16.91	2.17	4.47	4.32	-	-	-	0.56	-
Morningstar Lifetime Moderate Income		5.57	9.23	17.18	2.70	5.32	4.75	-	-	-	-	-

Fund Color: **A = Recommended Addition** **P = Proposed** **R = Recommended Replacement** **W = On Watch List**

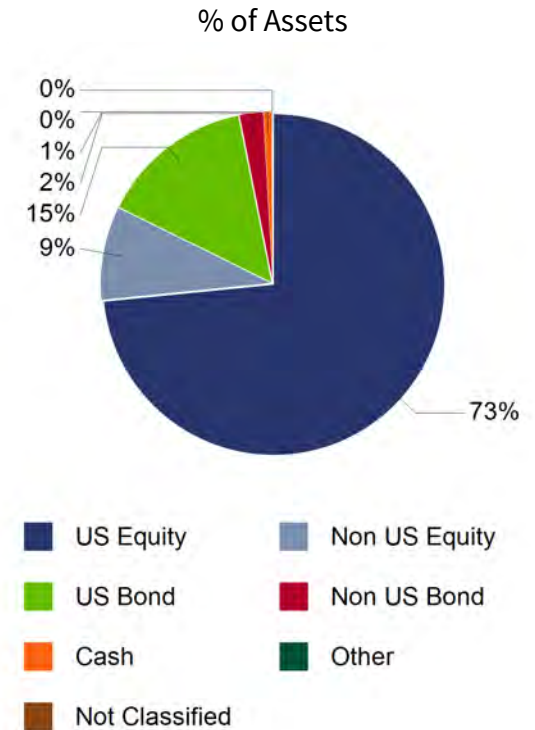
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RITFX - American Funds American High-Inc R5

Contractual waiver: 0.01 for Management Fee expires on 12/1/2024; Disclosure: The investment adviser is currently waiving a portion of its management fee. This waiver will be in effect through at least December 1, 2024. The adviser may elect at its discretion to extend, modify or terminate the waiver at that time.

INVESTMENT	ASSETS	% OF ASSETS
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Total Plan Assets	\$585,051	100.00%
Large Value	\$85,382	14.59%
American Beacon Large Cap Value Inv	\$0	0.00%
Vanguard Value Index Adm	\$85,382	14.59%
Large Blend	\$93,945	16.06%
Vanguard 500 Index Admiral	\$93,945	16.06%
Large Growth	\$155,824	26.63%
Vanguard Growth Index Admiral	\$155,824	26.63%
Mid-Cap Value	\$16,598	2.84%
Vanguard Mid-Cap Value Index Admiral	\$16,598	2.84%
Mid-Cap Growth	\$15,580	2.66%
Vanguard Mid-Cap Growth Index Admiral	\$15,580	2.66%
Small Value	\$18,797	3.21%
Vanguard Small Cap Value Index Admiral	\$18,797	3.21%
Small Growth	\$16,598	2.84%
Vanguard Small Cap Growth Index Admiral	\$16,598	2.84%
Foreign Large Blend	\$8,837	1.51%
Vanguard Developed Markets Index Admiral	\$8,837	1.51%
Foreign Large Growth	\$9,175	1.57%
W American Funds Europacific Growth R5	\$9,175	1.57%



Fund Color: **A = To Be Added** **P = Proposed** **R = To Be Replaced** **W = On Watch List**

INVESTMENT	ASSETS	% OF ASSETS
Diversified Emerging Markets	\$9,212	1.57%
Vanguard Emerging Mkts Stock Idx Adm	\$9,212	1.57%
Global Large-Stock Blend	\$9,319	1.59%
American Funds Capital World Gr&Inc R5	\$9,319	1.59%
Global Large-Stock Growth	\$9,559	1.63%
American Funds New Perspective R5	\$9,559	1.63%
Global Small/Mid Stock	\$7,665	1.31%
American Funds SMALLCAP World R5	\$7,665	1.31%
Specialty - Real Estate	\$0	0.00%
Vanguard Real Estate Index Admiral	\$0	0.00%
Money Market/Stable Value	\$54,024	9.23%
Reliance Trust Stable Value Fd MetLife Series 25053 Class 0	\$54,024	9.23%
Intermediate Core Bond	\$784	0.13%
Vanguard Interm-Term Bond Index Adm	\$784	0.13%
Long-Term Bond	\$744	0.13%
W Vanguard Long-Term Bond Index Admiral	\$744	0.13%
High Yield Bond	\$8,307	1.42%
American Funds American High-Inc R5	\$8,307	1.42%
Multisector Bond	\$5,736	0.98%
Fidelity Strategic Income	\$5,736	0.98%

Fund Color: A = To Be Added P = Proposed R = To Be Replaced W = On Watch List

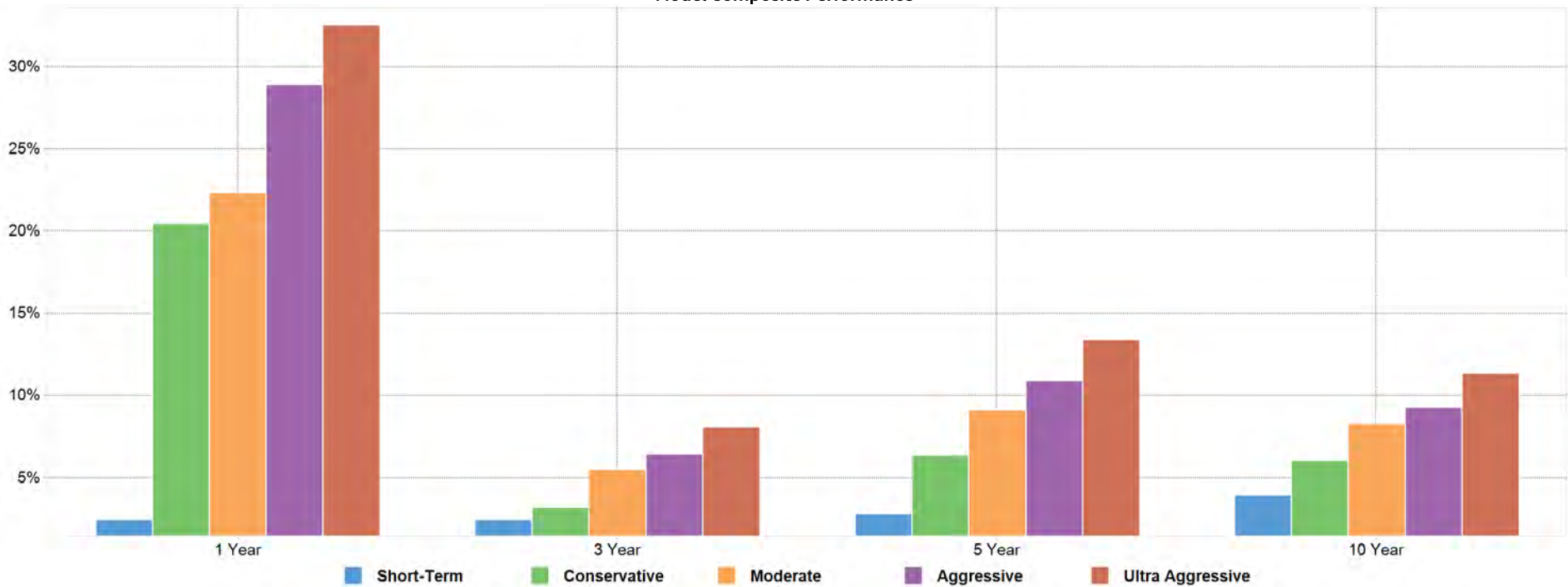
INVESTMENT	ASSETS	% OF ASSETS
Global Bond	\$6,313	1.08%
American Funds Capital World Bond R5	\$6,313	1.08%
Target Date	\$52,652	9.00%
Vanguard Target Retirement 2020 Fund	\$0	0.00%
Vanguard Target Retirement 2025 Fund	\$52,652	9.00%
Vanguard Target Retirement 2030 Fund	\$0	0.00%
Vanguard Target Retirement 2035 Fund	\$0	0.00%
Vanguard Target Retirement 2040 Fund	\$0	0.00%
Vanguard Target Retirement 2045 Fund	\$0	0.00%
Vanguard Target Retirement 2050 Fund	\$0	0.00%
Vanguard Target Retirement 2055 Fund	\$0	0.00%
Vanguard Target Retirement 2060 Fund	\$0	0.00%
Vanguard Target Retirement 2065 Fund	\$0	0.00%
Vanguard Target Retirement Income Fund	\$0	0.00%

Fund Color: **A = To Be Added** **P = Proposed** **R = To Be Replaced** **W = On Watch List**

Composite Model Fund Performance

Model Name	Assets	Participants	# Funds	YTD	1 Year	3 Year	5 Year	10 Year	Net Exp
Short-Term	\$0	0	16	4.09%	2.49%	2.47%	2.86%	3.94%	0.62%
Conservative	\$0	0	19	10.92%	20.47%	3.20%	6.41%	6.06%	0.21%
Moderate	\$0	0	19	13.01%	22.35%	5.53%	9.15%	8.29%	0.29%
Aggressive	\$0	0	19	16.52%	28.90%	6.45%	10.93%	9.30%	0.14%
Ultra Aggressive	\$0	0	13	18.51%	32.54%	8.12%	13.41%	11.39%	0.12%

Model Composite Performance



Model: Short-Term

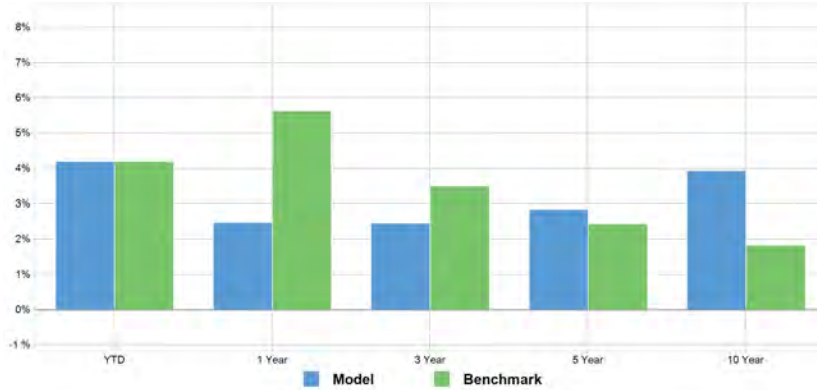
Benchmark: ICE BofA USD 3M Dep OR CM TR USD

Description:

Participants: 0

Assets: \$0

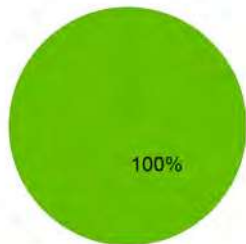
Model Composite Performance



	YTD	1 YR	3 YR	5 YR	10 YR
Model	4.20	2.49	2.47	2.86	3.94
Benchmark	4.20	5.64	3.50	2.45	1.84

Fund Name	Category	%	Change From Last
(METLIFE) - Reliance Trust Stable Value Fd MetLi...	Money Market/Stable Value	100%	15%

Model Composition



- US Equity
- US Bond
- Cash
- Unidentified
- Non US Equity
- Non US Bond
- Other

Model: Conservative

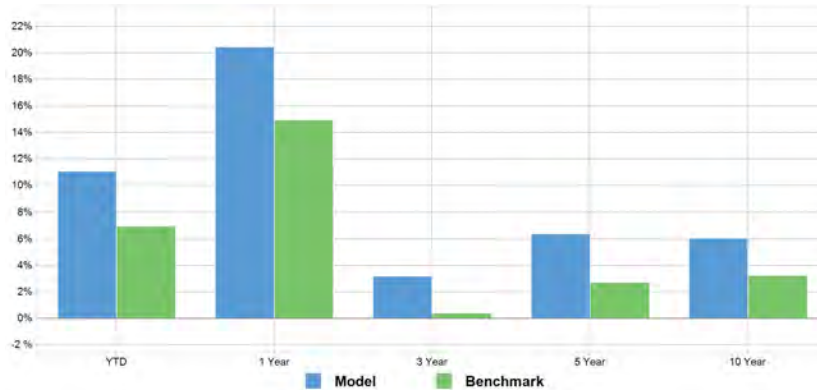
Benchmark: Morningstar Conservative Target Risk

Description:

Participants: 0

Assets: \$0

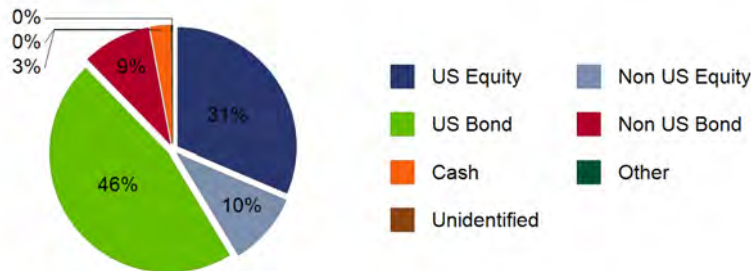
Model Composite Performance



	YTD	1 YR	3 YR	5 YR	10 YR
Model	11.06	20.47	3.20	6.41	6.06
Benchmark	6.97	14.94	0.41	2.75	3.25

Fund Name	Category	%	Change From Last
(VVIAX) - Vanguard Value Index Adm	Large Value	5%	0%
(VFIAX) - Vanguard 500 Index Admiral	Large Blend	10%	0%
(VIGAX) - Vanguard Growth Index Admiral	Large Growth	5%	0%
(VMVAX) - Vanguard Mid-Cap Value Index Admiral	Mid-Cap Value	2%	0%
(VMGMX) - Vanguard Mid-Cap Growth Index Admiral	Mid-Cap Growth	2%	0%
(VSIAX) - Vanguard Small Cap Value Index Admiral	Small Value	2%	0%
(VSGAX) - Vanguard Small Cap Growth Index Admiral	Small Growth	4%	0%
(VTMGX) - Vanguard Developed Markets Index Admira...	Foreign Large Blend	2%	0%
(RERFX) - American Funds Europacific Growth R5	Foreign Large Growth	2%	0%
(VEMAX) - Vanguard Emerging Mkts Stock Idx Adm	Diversified Emerging Markets	5%	0%
(RWIFX) - American Funds Capital World Gr&Inc R5	Global Large-Stock Blend	2%	0%
(METLIFE) - Reliance Trust Stable Value Fd MetLi...	Money Market/Stable Value	5%	0%
(VBILX) - Vanguard Interm-Term Bond Index Adm	Intermediate Core Bond	28%	0%
(RITFX) - American Funds American High-Inc R5	High Yield Bond	18%	0%
(RCWFX) - American Funds Capital World Bond R5	Global Bond	8%	0%

Model Composition



Model: Moderate

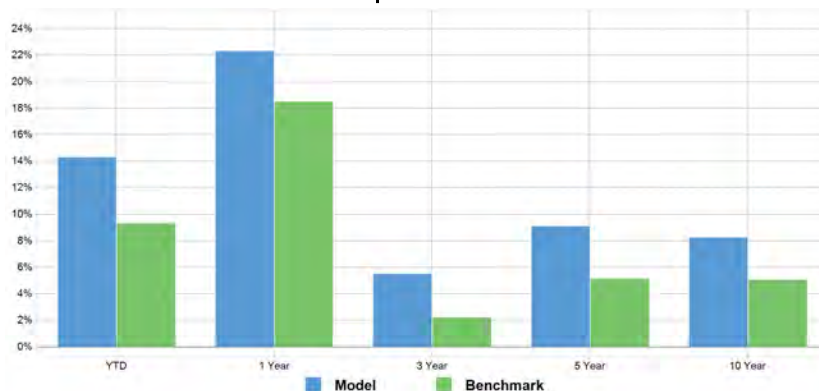
Benchmark: Morningstar Moderately Cons Target Risk

Description:

Participants: 0

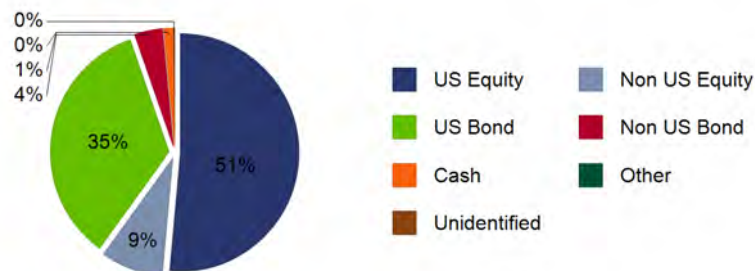
Assets: \$0

Model Composite Performance



	YTD	1 YR	3 YR	5 YR	10 YR
Model	14.33	22.35	5.53	9.15	8.29
Benchmark	9.38	18.53	2.25	5.20	5.10

Model Composition



Fund Name	Category	%	Change From Last
(VVIAX) - Vanguard Value Index Adm	Large Value	5%	0%
(VFIAX) - Vanguard 500 Index Admiral	Large Blend	20%	9%
(VIGAX) - Vanguard Growth Index Admiral	Large Growth	8%	0%
(VMVAX) - Vanguard Mid-Cap Value Index Admiral	Mid-Cap Value	4%	0%
(VMGMX) - Vanguard Mid-Cap Growth Index Admiral	Mid-Cap Growth	4%	0%
(VSIAX) - Vanguard Small Cap Value Index Admiral	Small Value	4%	0%
(VSGAX) - Vanguard Small Cap Growth Index Admiral	Small Growth	4%	0%
(VTMGX) - Vanguard Developed Markets Index Admira...	Foreign Large Blend	2%	0%
(RERFX) - American Funds Europacific Growth R5	Foreign Large Growth	2%	0%
(VEMAX) - Vanguard Emerging Mkts Stock Idx Adm	Diversified Emerging Markets	2%	0%
(RWIFX) - American Funds Capital World Gr&Inc R5	Global Large-Stock Blend	2%	0%
(RNPFX) - American Funds New Perspective R5	Global Large-Stock Growth	2%	0%
(RSLFX) - American Funds SMALLCAP World R5	Global Small/Mid Stock	1%	0%
(METLIFE) - Reliance Trust Stable Value Fd MetLi...	Money Market/Stable Value	25%	21%
(VBILX) - Vanguard Interm-Term Bond Index Adm	Intermediate Core Bond	1%	0%
(VBLAX) - Vanguard Long-Term Bond Index Admiral	Long-Term Bond	1%	0%
(RITFX) - American Funds American High-Inc R5	High Yield Bond	5%	-5%
(FADMX) - Fidelity Strategic Income	Multisector Bond	4%	0%
(RCWFX) - American Funds Capital World Bond R5	Global Bond	4%	-7%

Model: Aggressive

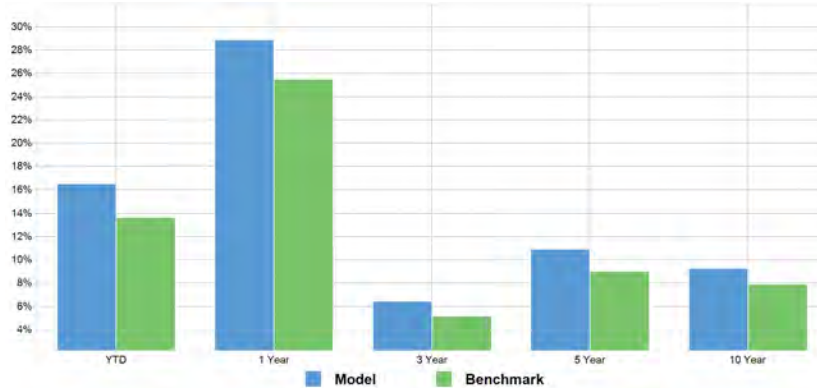
Benchmark: Morningstar Moderately Aggr Target Risk

Description:

Participants: 0

Assets: \$0

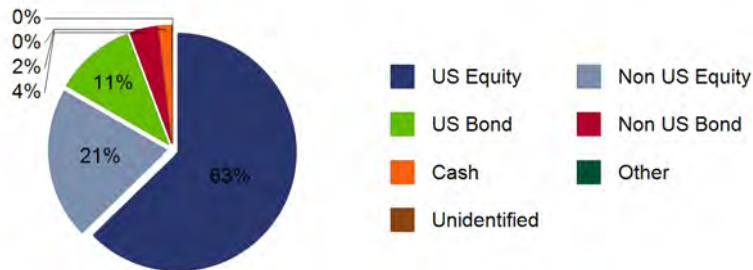
Model Composite Performance



	YTD	1 YR	3 YR	5 YR	10 YR
Model	16.52	28.90	6.45	10.93	9.30
Benchmark	13.69	25.51	5.19	9.04	7.91

Fund Name	Category	%	Change From Last
(VVIAX) - Vanguard Value Index Adm	Large Value	10%	0%
(VFIAX) - Vanguard 500 Index Admiral	Large Blend	24%	0%
(VIGAX) - Vanguard Growth Index Admiral	Large Growth	10%	0%
(VMVAX) - Vanguard Mid-Cap Value Index Admiral	Mid-Cap Value	4%	0%
(VMGMX) - Vanguard Mid-Cap Growth Index Admiral	Mid-Cap Growth	4%	0%
(VSIAX) - Vanguard Small Cap Value Index Admiral	Small Value	4%	0%
(VSGAX) - Vanguard Small Cap Growth Index Admiral	Small Growth	4%	0%
(VTMGX) - Vanguard Developed Markets Index Admira...	Foreign Large Blend	3%	0%
(RERFX) - American Funds Europacific Growth R5	Foreign Large Growth	3%	0%
(VEMAX) - Vanguard Emerging Mkts Stock Idx Adm	Diversified Emerging Markets	12%	0%
(RWIFX) - American Funds Capital World Gr&Inc R5	Global Large-Stock Blend	3%	0%
(RNPFX) - American Funds New Perspective R5	Global Large-Stock Growth	3%	0%
(VBILX) - Vanguard Interm-Term Bond Index Adm	Intermediate Core Bond	6%	0%
(RITFX) - American Funds American High-Inc R5	High Yield Bond	5%	0%
(RCWFX) - American Funds Capital World Bond R5	Global Bond	5%	0%

Model Composition



Model: Ultra Aggressive

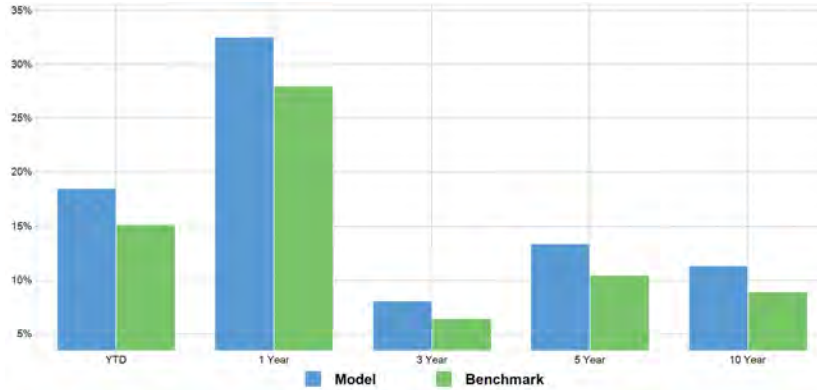
Benchmark: Morningstar Aggressive Target Risk

Description:

Participants: 0

Assets: \$0

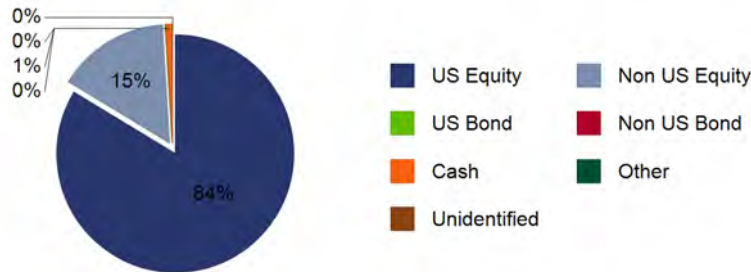
Model Composite Performance



	YTD	1 YR	3 YR	5 YR	10 YR
Model	18.51	32.54	8.12	13.41	11.39
Benchmark	15.19	28.02	6.47	10.48	8.95

Fund Name	Category	%	Change From Last
(VVIAX) - Vanguard Value Index Adm	Large Value	8%	0%
(VFIAX) - Vanguard 500 Index Admiral	Large Blend	38%	17%
(VIGAX) - Vanguard Growth Index Admiral	Large Growth	12%	0%
(VMVAX) - Vanguard Mid-Cap Value Index Admiral	Mid-Cap Value	5%	0%
(VMGMX) - Vanguard Mid-Cap Growth Index Admiral	Mid-Cap Growth	4%	0%
(VSIAX) - Vanguard Small Cap Value Index Admiral	Small Value	6%	0%
(VSGAX) - Vanguard Small Cap Growth Index Admiral	Small Growth	7%	0%
(VTMGX) - Vanguard Developed Markets Index Admira...	Foreign Large Blend	3%	0%
(RERFX) - American Funds Europacific Growth R5	Foreign Large Growth	4%	0%
(VEMAX) - Vanguard Emerging Mkts Stock Idx Adm	Diversified Emerging Markets	4%	0%
(RWIFX) - American Funds Capital World Gr&Inc R5	Global Large-Stock Blend	3%	0%
(RNPFX) - American Funds New Perspective R5	Global Large-Stock Growth	3%	0%
(RSLFX) - American Funds SMALLCAP World R5	Global Small/Mid Stock	3%	0%

Model Composition



INVESTMENT	STYLE	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Large Value													
American Beacon Large Cap Value Inv (MF)	10.28	98.25	28.44	10.19	12.08	107.63 /104.96	0.45	0.42	1.08	1.05	34.77	0.94	11
Vanguard Value Index Adm (MF)	2.42	98.41	29.78	11.64	12.25	98.01 /90.48	0.62	1.00	0.93	0.93	29.77	0.05	12
Russell 1000 Value TR USD	0.66	100.00	27.76	9.03	10.69	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	27.36	9.64	11.14	-	-	-	-	-	10.19	0.75	-
Large Blend													
Vanguard 500 Index Admiral (MF)	2.11	99.72	36.29	11.87	15.93	99.47 /97.86	0.28	1.17	0.98	0.99	6.84	0.04	12
Russell 1000 TR USD	2.13	100.00	35.68	10.83	15.64	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	34.28	10.55	14.89	-	-	-	-	-	8.41	0.65	-
Large Growth													
Vanguard Growth Index Admiral (MF)	4.37	99.38	41.90	10.46	19.00	101.33 /105.12	-0.39	-0.71	1.04	1.06	29.77	0.05	9
Russell 1000 Growth TR USD	1.12	100.00	42.19	12.02	19.74	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	39.53	8.59	16.35	-	-	-	-	-	10.20	0.82	-
Mid-Cap Value													
Vanguard Mid-Cap Value Index Admiral (MF)	2.92	98.98	31.04	8.73	10.76	97.50 /95.12	0.19	0.54	0.96	0.94	1.62	0.07	11
Russell Mid Cap Value TR USD	0.00	100.00	29.01	7.39	10.33	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	25.86	8.70	10.69	-	-	-	-	-	10.42	0.79	-
Mid-Cap Growth													
Vanguard Mid-Cap Growth Index Admiral (MF)	3.26	98.45	26.00	1.70	11.19	100.69 /102.04	-0.11	-0.22	0.99	1.00	1.62	0.07	8
Russell Mid Cap Growth TR USD	0.00	100.00	29.33	2.32	11.48	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	25.93	0.24	10.46	-	-	-	-	-	11.42	0.95	-

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Pass	Fail
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INVESTMENT	STYLE	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Small Value													
Vanguard Small Cap Value Index Admiral (MF)	4.84	96.88	28.69	8.22	11.60	96.81 /89.26	0.51	0.97	0.93	0.90	8.43	0.07	12
Russell 2000 Value TR USD	0.00	100.00	25.88	3.77	9.29	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	23.19	6.19	10.60	-	-	-	-	-	11.61	0.98	-
Small Growth													
Vanguard Small Cap Growth Index Admiral (MF)	7.09	96.52	25.73	-0.95	8.60	95.70 /95.37	-0.05	-0.14	0.94	0.95	19.76	0.07	8
Russell 2000 Growth TR USD	0.00	100.00	27.66	-0.35	8.82	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	25.73	-0.31	9.76	-	-	-	-	-	12.51	1.09	-
Foreign Large Blend													
Vanguard Developed Markets Index Admiral (MF)	4.22	96.39	24.64	4.80	8.27	109.79 /109.68	0.19	0.18	1.06	1.09	11.61	0.08	12
MSCI ACWI Ex USA NR USD	-	100.00	25.35	4.14	7.59	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	24.64	4.58	7.86	-	-	-	-	-	8.55	0.71	-
Foreign Large Growth													
W American Funds Europacific Growth R5 (MF)	4.59	90.43	24.66	0.01	7.47	98.09 /98.67	-0.05	-0.40	0.98	0.90	23.35	0.52	6
MSCI EAFE Growth NR USD	3.02	100.00	26.54	1.92	7.74	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	26.39	0.58	7.76	-	-	-	-	-	9.47	0.87	-
Diversified Emerging Markets													
Vanguard Emerging Mkts Stock Idx Adm (MF)	10.68	97.36	24.96	1.59	6.38	96.67 /93.33	0.21	0.38	0.95	0.91	16.10	0.14	12
MSCI EM NR USD	12.32	100.00	26.05	0.40	5.75	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	23.53	0.06	5.85	-	-	-	-	-	7.86	0.90	-

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INVESTMENT	STYLE	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Global Large-Stock Blend													
American Funds Capital World Gr&Inc R5 (MF)	2.50	96.18	30.18	7.57	11.23	92.71 /96.65	-0.52	-0.39	0.94	0.95	18.67	0.46	9
MSCI World NR USD	-	100.00	32.43	9.08	13.04	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	29.22	7.46	10.85	-	-	-	-	-	7.47	0.85	-
Global Large-Stock Growth													
American Funds New Perspective R5 (MF)	3.10	95.63	31.65	5.41	13.80	105.27 /104.88	0.18	-0.96	1.05	1.07	23.85	0.47	10
MSCI World NR USD	-	100.00	32.43	9.08	13.04	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	32.10	4.22	12.15	-	-	-	-	-	8.75	0.99	-
Global Small/Mid Stock													
American Funds SMALLCAP World R5 (MF)	11.07	92.59	21.41	-3.64	8.78	102.24 /104.61	-0.07	-1.45	1.01	1.05	19.85	0.71	8
MSCI ACWI SMID NR USD	5.03	100.00	25.55	3.09	9.20	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	21.01	-2.71	8.45	-	-	-	-	-	8.99	1.20	-
Specialty - Real Estate													
Vanguard Real Estate Index Admiral (MF)	22.77	97.42	34.20	2.50	4.77	97.42 /95.97	0.10	-0.60	0.95	1.01	28.40	0.13	9
DJ US Select REIT TR USD	-	100.00	33.71	4.36	4.41	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	33.07	2.90	4.82	-	-	-	-	-	10.17	0.88	-
Intermediate Core Bond													
Vanguard Interm-Term Bond Index Adm (MF)	3.01	97.74	12.30	-1.27	0.70	114.56 /110.47	0.33	0.12	1.08	1.05	16.44	0.07	12
Barclays US Agg Bond TR USD	22.66	100.00	11.57	-1.39	0.33	100.00 /100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	11.69	-1.42	0.38	-	-	-	-	-	9.37	0.46	-

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INVESTMENT	STYLE	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Long-Term Bond													
W Vanguard Long-Term Bond Index Admiral (MF)	3.31	99.78	17.20	-6.19	-1.97	101.28 / 101.12	0.00	-0.04	1.01	1.00	11.61	0.07	7
Barclays US Govt/Credit Long TR USD	17.93	100.00	17.24	-6.17	-1.97	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	18.16	-4.48	-0.46	-	-	-	-	-	9.13	0.51	-
High Yield Bond													
American Funds American High-Inc R5 (MF)	26.12	98.49	17.21	4.18	6.11	103.93 / 89.31	1.31	1.06	0.95	0.93	20.85	0.38	12
BofAML US HY Master II TR USD	-	100.00	15.66	3.08	4.55	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	14.35	2.83	4.10	-	-	-	-	-	8.88	0.75	-
Multisector Bond													
Fidelity Strategic Income (MF)	33.61	54.34	14.29	1.60	3.48	113.02 / 75.55	0.61	1.01	0.90	0.87	25.44	0.66	10
Barclays US Agg Bond TR USD	22.66	100.00	11.57	-1.39	0.33	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	12.74	1.38	2.74	-	-	-	-	-	7.89	0.97	-
Global Bond													
American Funds Capital World Bond R5 (MF)	26.27	96.77	12.66	-3.45	-0.73	113.74 / 111.50	0.06	-0.22	1.12	1.11	5.59	0.54	9
Citi WGBI NonUSD USD	22.66	100.00	12.02	-6.25	-3.42	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	-	-	11.97	-2.28	-0.43	-	-	-	-	-	11.92	0.78	-

INVESTMENT	5 YR SHRP	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Target Date 2020													
Vanguard Target Retirement 2020 Fund (MF)	0.39	98.44	18.25	2.86	6.01	92.06 / 85.49	0.29	0.54	0.89	0.86	11.61	0.08	11
Morningstar Lifetime Moderate 2020	0.32	100.00	19.61	1.79	5.51	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.38	-	19.08	2.77	5.99	-	-	-	-	-	10.02	0.51	-

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INVESTMENT	5 YR SHRP	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Target Date 2025													
Vanguard Target Retirement 2025 Fund (MF)	0.44	98.68	21.13	3.68	7.09	99.39 / 91.84	0.76	1.06	0.95	0.92	11.61	0.08	12
Morningstar Lifetime Moderate 2025	0.33	100.00	20.94	2.01	5.96	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.40	-	20.40	3.13	6.73	-	-	-	-	-	9.16	0.56	-
Target Date 2030													
Vanguard Target Retirement 2030 Fund (MF)	0.48	99.04	23.27	4.40	8.04	100.10 / 92.54	0.92	1.15	0.95	0.93	11.61	0.08	12
Morningstar Lifetime Moderate 2030	0.37	100.00	22.56	2.62	6.74	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.45	-	22.64	3.82	7.65	-	-	-	-	-	8.85	0.58	-
Target Date 2035													
Vanguard Target Retirement 2035 Fund (MF)	0.51	99.21	24.76	5.07	8.95	98.07 / 91.37	0.73	0.84	0.94	0.93	11.61	0.08	11
Morningstar Lifetime Moderate 2035	0.42	100.00	24.54	3.66	7.83	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.49	-	24.87	4.74	8.83	-	-	-	-	-	9.14	0.58	-
Target Date 2040													
Vanguard Target Retirement 2040 Fund (MF)	0.54	99.17	26.33	5.75	9.85	97.27 / 91.52	0.55	0.53	0.94	0.93	11.61	0.08	10
Morningstar Lifetime Moderate 2040	0.46	100.00	26.49	4.80	8.91	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.52	-	26.93	5.59	9.85	-	-	-	-	-	9.07	0.60	-
Target Date 2045													
Vanguard Target Retirement 2045 Fund (MF)	0.56	99.07	27.82	6.39	10.74	99.36 / 93.89	0.65	0.43	0.96	0.95	11.61	0.08	11
Morningstar Lifetime Moderate 2045	0.49	100.00	27.90	5.61	9.63	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.55	-	28.31	6.24	10.55	-	-	-	-	-	9.24	0.59	-

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INVESTMENT	5 YR SHRP	5 YR R-SQ FIT	1 YR PEER	3 YR PEER	5 YR PEER	UP/DN	5 YR INFO	3 YR INFO	5 YR BETA	3 YR BETA	MGR TENURE	NET EXP	SCORE OF 12
Target Date 2050													
Vanguard Target Retirement 2050 Fund (MF)	0.58	99.00	28.91	6.83	11.05	99.39 / 93.91	0.62	0.47	0.95	0.96	11.61	0.08	11
Morningstar Lifetime Moderate 2050	0.50	100.00	28.55	5.97	9.92	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.56	-	28.99	6.45	10.78	-	-	-	-	-	9.01	0.60	-
Target Date 2055													
Vanguard Target Retirement 2055 Fund (MF)	0.58	98.95	28.92	6.84	11.05	99.06 / 93.52	0.59	0.45	0.95	0.96	11.61	0.08	11
Morningstar Lifetime Moderate 2055	0.52	100.00	28.66	5.98	9.93	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.56	-	29.20	6.48	10.89	-	-	-	-	-	8.64	0.60	-
Target-Date 2060													
Vanguard Target Retirement 2060 Fund (MF)	0.58	98.89	28.93	6.84	11.05	98.96 / 93.11	0.60	0.48	0.94	0.95	11.61	0.08	11
Morningstar Lifetime Moderate 2060	0.49	100.00	28.62	5.91	9.87	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.56	-	29.25	6.49	10.95	-	-	-	-	-	7.11	0.60	-
Target-Date 2065+													
Vanguard Target Retirement 2065 Fund (MF)	0.58	98.89	28.95	6.87	11.04	98.95 / 93.16	0.60	0.49	0.94	0.95	7.22	0.08	9
Morningstar Lifetime Moderate 2060	0.49	100.00	28.62	5.91	9.87	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.58	-	29.34	6.53	11.09	-	-	-	-	-	3.21	0.57	-
Target Date Retirement													
Vanguard Target Retirement Income Fund (MF)	0.28	97.91	16.22	2.19	4.45	89.34 / 92.46	-0.62	-0.37	0.90	0.93	11.61	0.08	7
Morningstar Lifetime Moderate Income	0.36	100.00	17.18	2.70	5.32	100.00 / 100.00	0.00	0.00	1.00	1.00	-	-	-
Peer Group Metric - MF	0.27	-	16.91	2.17	4.47	-	-	-	-	-	9.69	0.56	-

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EXECUTIVE SUMMARY DISCLOSURE INFORMATION

The Executive Summary indicates how many criteria a fund has met out of the total number of criteria selected and provides an overview of which funds have or have not met criteria based on the Investment Criteria Rating selected. The first column indicates each fund's Morningstar category. The second column indicates Fund name and class. The third column "Score" indicates the number of criteria a fund met. For example, "5 of 6" means six criteria were selected on the Plan Entry Form and the fund met five of those criteria. The fourth column "Status" indicates whether a fund has met the number of criteria selected on the Investment Criteria Rating section of the Plan Entry Form. For example, if eight different criteria were selected and "5" was selected under Investment Criteria Rating, a fund that meets only four or fewer of the eight criteria will display "Does Not Meet", while a fund that meets five or more criteria will display "Meets Criteria". Note that the criteria are not weighted in any way and are neither ranked nor displayed in order of importance. It is recommended that at least five criteria be selected on the Plan Entry Form from various categories. Note: if data is not available for a criteria chosen, it will count as a "Criteria not met" for the criteria in question. For example, if one of ten criteria selected is "10 year performance > 75% peers", and a fund met all other nine criteria but has existed for only five years, the report will indicate that the fund met 9 out of 10 criteria.

PORTFOLIO STYLE REPORT DISCLOSURE INFORMATION

The Portfolio Style Report utilizes the Morningstar Style Box to indicate where each fund selected by the Plan Sponsor falls within Morningstar's style investment categories as of the date of the report. Style classification may change overtime and is updated by Morningstar quarterly. The Morningstar Style Box™ reveals a fund's investment strategy. For equity funds the vertical axis shows the market capitalization of the stocks owned and the horizontal axis shows investment style (value, blend or growth). For fixed-income funds the vertical axis shows the average credit quality of the bonds owned, and the horizontal axis shows interest rate sensitivity as measured by a bond's duration (short, intermediate or long).

Morningstar reevaluates a fund's style-box location biannually. The location of a fund in the Portfolio Style Report Stylebox reflects Morningstar's most recent fund-style determination as of the Report's date, which is based on the fund's holdings as of Morningstar's latest reevaluation. However, Morningstar's allocation of a fund into a Morningstar Category (utilized in other parts of the report to identify a fund's category as "large value", "small blend" etc.) is based on a fund's holdings over a three-year period and may therefore differ from a fund's style-box location. Funds whose style-box and Morningstar category determinations differ are marked by an asterisk.

FUND CRITERIA REPORT DISCLOSURE INFORMATION

The Fund Criteria Report page(s) display information based on the criteria selected. Each fund's Morningstar category, ticket symbol, name/class and Morningstar benchmark information are indicated. The Investment Policy Criteria section displays fund and benchmark data based on the criteria selected on the Plan Entry Form. The header indicates the criteria selected; the color legend indicates whether the number of criteria selected under the Investment Criteria Rating section of the Plan Entry Form has been met; and any listed data indicates the values for the given criteria and fund/index. (If it is desired to view funds already in the Plan as well as Proposed funds not currently in the plan within the same report, the ticker symbol and other information regarding the proposed fund is highlighted as indicated by the color legend.) If selected and applicable, the following values may be displayed:

Manager Tenure: tenure of the fund's current portfolio manager in years.

Track Record: number of years the fund has been in existence.

Assets: assets invested in the fund as of the date indicated respectively on the Fund Fact Report.

1, 3, 5, and 10 year performance: the performance of the fund at NAV for the given time-periods as of the most recent quarter-end. Extended Performance information may apply; see *Overview and Fund Fact Report Disclosure Information* for further detail.

Risk Adjusted Returns: Sharpe Ratio uses standard deviation and excess return to determine reward per unit of risk. Alpha measures the difference between a fund's actual returns and its expected performance, given its level of risk (as measured by beta). Alpha is often seen as a measure of the value added or subtracted by a portfolio manager. R-squared reflects the percentage of a fund's movements that are explained by movements in its benchmark index, showing the degree of correlation between the fund and the benchmark. This figure is also helpful in assessing how likely it is that alpha and beta are statistically significant.

Volatility: Beta is a measure of a fund's sensitivity to market movements. A portfolio with a beta greater than 1 is more volatile than the market, and a portfolio with a beta less than 1 is less volatile than the market.

Standard deviation is a statistical measure of the volatility of the fund's returns.

Expenses: The fund's net expense ratio, displayed in this section, reflects the actual expenses that have been paid by the fund and reflects any voluntary waivers, reductions from brokerage service arrangements and any other expense offset arrangements. For the fund's gross expense ratio, please consult the Fund Fact Reports or each fund's prospectus. For certain mutual fund products, the recordkeeper may provide a plan-level net expense ratio that is relied upon in lieu of a general prospectus-based net expense ratio. For Separate Accounts the "1st Management Fee/CAC(%)" is used instead of Net Expense ratio due to their unique expense structure. These investments are scored against the Separate Account peer group, not the open end mutual fund peer group.

Morningstar: the Overall Morningstar rating of the fund as of the most recent Morningstar data available. See the Fund Facts Report and the Fund Facts Report Disclosure Information for other rating periods and important related information.

5 Yr Max Drawdown: The peak-to-trough decline during a specific record period of an investment, fund or commodity. A drawdown is usually quoted as the percentage between the peak and the trough.

FUND FACT REPORT DISCLOSURE INFORMATION

The analysis in this report may be based, in part, on adjusted historical returns for periods prior to each class's actual inception. These calculated returns reflect the historical performance of the oldest share class of the fund, adjusted to reflect the fees and expenses of this share class. **When pre-inception data are presented in the report, the fund is footnoted.** While the inclusion of pre-inception data provides valuable insight into the probable long-term behavior of newer share classes of a fund, investors should be aware that an adjusted historical return can only provide an approximation of that behavior. These adjusted historical returns are not actual returns. Calculation methodologies utilized by Morningstar may differ from those applied by other entities, including the fund itself.

Current # of Funds in Category indicates the total number of funds in the respective Morningstar category per the stated "as of date." of the Morningstar data. The "as of date" is stated on each page of the report.

Overall Criteria: indicates whether a fund has met the number of criteria selected by the Plan Sponsor on the Investment Criteria Rating section of the Plan Entry Form. For example, if a Plan Sponsor selected eight criteria and selected "5" under Investment Criteria Rating, a fund that meets only four or fewer of the eight criteria will display "Does Not Meet" while a fund that meets five or more criteria will display "Meets Criteria". Note that the criteria are not weighted in any way and are neither ranked nor displayed in order of importance.

Performance (including Morningstar Rating): The performance data given represents past performance and should not be considered indicative of future results. Principal value and investment return will fluctuate, so that an investor's shares when redeemed may be worth more or less than the original investment. Fund portfolio statistics change over time. The funds are not FDIC-insured, may lose value and are not guaranteed by a bank or other financial institution.

Total return reflects performance without adjusting for sales charges or the effects of taxation, but is adjusted to reflect all actual ongoing fund expenses and assumes reinvestment of dividends and capital gains. If adjusted for sales charges and the effects of taxation, the performance quoted would be lower. Note: some funds may incur short-term trading fees if liquidated within a predetermined number of days after purchase. Returns in this report do not reflect the effect of potential short-term trading fees. Please see each fund's prospectus for further detail.

The Morningstar Rating is calculated for funds with at least a three-year history. It is calculated based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a fund's monthly performance, placing more emphasis on downward variations and rewarding consistent performance. The top 10% of funds in each category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars and the bottom 10% receive 1 star. The Overall Morningstar Rating for a mutual fund is derived from a weighted average of the performance figures associated with its three-, five- and 10-year (if applicable) Morningstar Rating metrics.

Please note that some Morningstar proprietary calculations, including the Morningstar Rating, may be calculated based on adjusted historical returns (pre-inception returns). If the extended performance rating is in effect, the fund ticker symbol is footnoted.

Risk: **Sharpe Ratio** uses standard deviation and excess return to determine reward per unit of risk. **Standard Deviation** is a statistical measure of the volatility of the fund's returns. **Mean** represents the annualized geometric return for the period shown.

Alpha measures the difference between a fund's actual returns and its expected performance, given its level of risk (as measured by beta). Alpha is often seen as a measure of the value added or subtracted by a portfolio manager. **Beta** is a measure of a fund's sensitivity to market movements. A portfolio with a beta greater than 1 is more volatile than the market, and a portfolio with a beta less than 1 is less volatile than the market. **R-Squared** reflects the percentage of a fund's movements that are explained by movements in its benchmark index, showing the degree of correlation between the fund and the benchmark. This figure is also helpful in assessing how likely it is that alpha and beta are statistically significant.

Sales Charges: indicate maximum sales charges applicable for a fund. Sales charges are typically waived for most retirement plans.

Expenses: An expense ratio represents the annual percentage of a fund's assets paid out in expenses. Expenses typically include management, 12b-1, transfer agent and all other fees associated with the fund's daily operations and distribution. **A gross expense ratio** does not reflect expenses that have been reimbursed by the investment financial professional, reductions from brokerage service arrangements or other expense offset arrangements. **A net expense ratio** reflects the actual expenses that have been paid by the fund and reflects any voluntary waivers, reductions from brokerage service arrangements and any other expense offset arrangements. For certain mutual fund products, the recordkeeper may provide a plan-level net expense ratio that is relied upon in lieu of a general prospectus-based net expense ratio.

FUND FACT REPORT DISCLOSURE INFORMATION (continued)

Fund Basics: Track Record indicates number of years the fund has been in existence.

Turnover Ratio is a decent proxy for how frequently a manager trades his or her portfolio. The inverse of a fund's turnover ratio is the average holding period for a security in the fund. As turnover increases, a fund's brokerage costs typically rise as well.

Total Net Assets indicates the assets of the fund as of the date indicated.

Price/Earnings ratio is a weighted average of the price/earnings ratios of the stocks in the underlying fund's portfolio. The P/E ratio of a stock is calculated by dividing the current price of the stock by its trailing 12-months' earnings per share. In computing the average, Morningstar weights each portfolio holding by the percentage of equity assets it represents.

Fixed Income Basics: Average Effective Duration: Duration is a time measure of a bond's interest rate sensitivity. Average Effective Duration is a weighted average of the Duration of the underlying fixed income securities within the portfolio. Average Effective Maturity is a weighted average of all the maturities of the bonds in a portfolio, computed by weighting each maturity date by the market value of the security. Average Credit Quality is calculated by taking the weighted average of the credit rating for each bond in the portfolio. Average Weighted Coupon is generated from the fund's portfolio by weighting the coupon of each bond by its relative size in the portfolio. Coupons are fixed percentages paid out on a fixed-income security on an annual basis. Average Weighted Price is generated from the fund's portfolio by weighting the price of each bond by its relative size in the portfolio. This number reveals if the fund favors bonds selling at prices above or below face value (premium or discount securities, respectively). A higher number indicates a bias toward premiums. This statistic is expressed as a percentage of par (face) value.

Equity Style and Fixed Income Style Boxes: The Style Boxes indicate percentage breakdown for where a fund's holdings fall within the Morningstar Style Box.

Rolling Quarter Return Analysis : The graph indicates quarterly returns for the fund, its benchmark and mean performance of its peer group as of the periods indicated based on Total Return (see defined above).

Calendar Year Quartile Rankings: Shaded boxes indicate the quartiles in which the fund ranked for the calendar years indicated based on the fund's one-year Total Return. Numeric values indicate the performance of the fund; of the median fund in the peer group for the respective quartiles; or of the fund's Morningstar benchmark, respectively, at Net Asset Value (NAV). # of Funds indicates the total number of funds in the category for each time period.

Fund Risk/Return: Return is based on Total Return.

INVESTMENT RISK

International Funds/Emerging Market Funds: The investor should note that funds that invest in international securities involve special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Funds: The investor should note that funds that invest exclusively in one sector or industry involve additional risks. Lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Funds: The investor should note that funds investing more assets in a single issuer involve additional risks, including share price fluctuations due to an increased investment concentration.

Small-Cap Funds: The investor should note that funds that invest in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid Cap Funds: The investor should note that funds that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

High-Yield Bond Funds: The investor should note that funds that invest in lower-rated debt securities (commonly referred as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

Tax-Free Municipal Bond Funds: The investor should note that the income from tax-free municipal bond funds may be subject to state and local taxation and the Alternative Minimum Tax.

BarCap US Aggregate Bond is a market value-weighted index consisting of government bonds, SEC-registered corporate bonds and mortgage-related and asset-backed securities with at least one year to maturity and an outstanding par value of \$150 million or greater. This index is a broad measure of the performance of the investment grade U.S. fixed income market.

BarCap Intermediate Government Bond is a market value-weighted index of U.S. Treasury and agency bonds with maturities from one to (but not including) ten years.

BarCap Global Aggregate provides a broad-based measure of the global investment-grade fixed-rate debt markets. It contains 3 major components: U.S. Aggregate Index, Pan-European Aggregate Index, and the Asian-Pacific Aggregate Index. It includes a wide range of standard and customized sub indices by liquidity constraint, sector, quality, and maturity.

BarCap Long Term Government Bond is the Long component of the Lehman Brothers US Government index. It consists of securities in the long maturity range of the U.S. Government Index. Securities must have a maturity of 10 years or more.

BarCap Long Term Treasury Bond is the 20+ Year component of the Lehman Brothers US Treasury index. It consists of securities in the Treasury Index (i.e. public obligations of the U.S. Treasury) with a maturity of 20 years or more.

BarCap 1-3 Year Government is the 1-3 Yr. component of the Lehman Brothers US Government index. It consists of securities in the U.S. Government Index with a maturity from 1 up to (but not including) 3 years.

Citigroup 1 year Treasury Index is an unmanaged index generally representative of the average yield on 1-Year U.S. Treasury bills.

Credit Suisse High Yield Index measures the performance of the investable universe of the high yield bond public debt market. All bonds are U.S. dollar denominated and rated Split BBB and below with par amounts greater than \$75 Million.

MSCI ACWI (All Country World Index) Index_{SM} is a free float-adjusted market capitalization index that is designed to measure equity market performance in the global developed and emerging markets.

MSCI EAFE[®] Index (Europe, Australasia, Far East) is a free float-adjusted market capitalization index that is designed to measure developed market equity performance, excluding the US & Canada.

MSCI Emerging Markets Index_{SM} is a free float-adjusted market capitalization index that is designed to measure equity market performance in global emerging markets. As of May 2005 the Index consisted of 26 emerging market country indices.

MSCI Europe Index_{SM} is a free float-adjusted market capitalization index that is designed to measure developed market equity performance in Europe.

MSCI Pacific Index_{SM} is a free float-adjusted market capitalization index that is designed to measure equity market performance in the Pacific region. As of May 2005, the MSCI Pacific Index consisted of the following 5 Developed Market countries: Australia, Hong Kong, Japan, New Zealand, and Singapore.

MSCI Small Cap IndexSM is a refinement of the EAFE index, targeting 40% of the eligible Small Cap universe within each industry group, within each country. MSCI defines the Small Cap universe as all listed securities that have a market capitalization in the range of USD200-1,500 million.

Russell 3000ETM Index measures performance of the Russell 3000 Index extended to include securities of the Russell Microcap Index. It represents ~99% of the U.S. Equity Market.

Russell 2000[®] Index measures the performance of the 2,000 smallest companies in the Russell 3000 Index, which represents approximately 8% of the total market capitalization of the Russell 3000 Index. As of the latest reconstitution, the average market capitalization was approximately \$664.9 M; the median market capitalization was approximately \$539.5 M. The largest company in the index had an approximate market capitalization of \$1.8 B.

Russell 1000[®] Value Index measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower forecasted growth values. (Russell 1000[®] Index measures the performance of the 1,000 largest companies in the Russell 3000 Index).

Russell 1000[®] Growth Index measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

Russell 2000[®] Value Index measures the performance of those Russell 2000 companies with lower price-to-book ratios and lower forecasted growth values.

Russell 2000[®] Growth Index measures the performance of those Russell 2000 companies with higher price-to-book ratios and higher forecasted growth values.

Russell Midcap[®] Index measures the performance of the 800 smallest companies in the Russell 1000 Index, which represent approximately 25% of the total market capitalization of the Russell 1000 Index. As of the latest reconstitution, the average market capitalization was approximately \$4.7 billion; the median market capitalization was approximately \$3.6 billion. The largest company in the index had an approximate market capitalization of \$13.7 B.

Russell Midcap[®] Value Index measures the performance of those Russell Midcap companies with lower price-to-book ratios and lower forecasted growth values. The stocks are also members of the Russell 1000 Value index.

Russell Midcap[®] Growth Index measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The stocks are also members of the Russell 1000 Growth index.

Standard & Poor's 500[®] consists of 500 US stocks chosen for market size, liquidity, and industry group representation. It is a market-value weighted index (stock price times number of shares outstanding), with each stock's weight in the Index proportionate to its market value.

Notes:

For MSCI Indexes, MCSI = Morgan Stanley Capital Index, ND=net of dividends, TR=total returns
All Russell U.S. Equity Indexes are subsets of the Russell 3000ETM Index.

Definitions:

Benchmark: A standard against which the performance of a mutual fund can be measured.

Index: an imaginary portfolio of securities representing a particular market or a portion of it. Each index has its own calculation methodology and is usually expressed in terms of a change from a base value.

Meeting Date: _____

Notes Taken by: _____

Actions Taken

Justification

Other Notes

Meeting Attendees

<u>Name</u>	<u>Signature</u>
_____	_____
_____	_____
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<u>Name</u>	<u>Signature</u>
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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Large Value												
American Beacon Large Cap Value Inv (MF)		7.96	16.62	28.44 (38)	10.19 (39)	12.08 (33)	9.19 (53)	9.26	8/1/1994	0.94	0.94	11
Vanguard Value Index Adm (MF)	\$85,382	9.42	18.97	29.78 (25)	11.64 (17)	12.25 (30)	10.78 (15)	7.73	11/13/2000	0.05	0.05	12
Peer Group Metric - MF		8.09	16.06	27.36	9.64	11.14	9.30	-	-	-	0.75	-
Russell 1000 Value TR USD		9.43	16.68	27.76	9.03	10.69	9.23	-	-	-	-	-
Large Blend												
Vanguard 500 Index Admiral (MF)	\$93,945	5.87	22.04	36.29 (24)	11.87 (22)	15.93 (20)	13.34 (9)	8.27	11/13/2000	0.04	0.04	12
Peer Group Metric - MF		5.85	20.26	34.28	10.55	14.89	12.11	-	-	-	0.65	-
Russell 1000 TR USD		6.08	21.18	35.68	10.83	15.64	13.10	-	-	-	-	-
Large Growth												
Vanguard Growth Index Admiral (MF)	\$155,824	2.92	24.02	41.90 (37)	10.46 (24)	19.00 (17)	15.54 (18)	8.92	11/13/2000	0.05	0.05	9
Peer Group Metric - MF		3.39	22.75	39.53	8.59	16.35	13.94	-	-	-	0.82	-
Russell 1000 Growth TR USD		3.19	24.55	42.19	12.02	19.74	16.52	-	-	-	-	-
Mid-Cap Value												
Vanguard Mid-Cap Value Index Admiral** (MF)	\$16,598	11.99	17.51	31.04 (11)	8.73 (50)	10.76 (49)	9.56 (24)	12.51	9/27/2011	0.07	0.07	11
Peer Group Metric - MF		8.91	13.00	25.86	8.70	10.69	8.84	-	-	-	0.79	-
Russell Mid Cap Value TR USD		10.08	15.08	29.01	7.39	10.33	8.93	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Mid-Cap Growth												
Vanguard Mid-Cap Growth Index Admiral** (MF)	\$15,580	6.25	11.40	26.00 (50)	1.70 (39)	11.19 (35)	10.58 (46)	12.47	9/27/2011	0.07	0.07	8
Peer Group Metric - MF		6.28	11.97	25.93	0.24	10.46	10.43	-	-	-	0.95	-
Russell Mid Cap Growth TR USD		6.54	12.91	29.33	2.32	11.48	11.30	-	-	-	-	-
Small Value												
Vanguard Small Cap Value Index Admiral** (MF)	\$18,797	10.53	13.26	28.69 (9)	8.22 (26)	11.60 (35)	9.58 (15)	12.39	9/27/2011	0.07	0.07	12
Peer Group Metric - MF		8.36	8.68	23.19	6.19	10.60	8.16	-	-	-	0.98	-
Russell 2000 Value TR USD		10.15	9.22	25.88	3.77	9.29	8.22	-	-	-	-	-
Small Growth												
Vanguard Small Cap Growth Index Admiral** (MF)	\$16,598	7.07	11.15	25.73 (50)	-0.95 (56)	8.60 (71)	9.18 (63)	11.58	9/27/2011	0.07	0.07	8
Peer Group Metric - MF		7.73	12.48	25.73	-0.31	9.76	9.70	-	-	-	1.09	-
Russell 2000 Growth TR USD		8.41	13.22	27.66	-0.35	8.82	8.95	-	-	-	-	-
Foreign Large Blend												
Vanguard Developed Markets Index Admiral (MF)	\$8,837	7.43	12.17	24.64 (50)	4.80 (45)	8.27 (38)	5.92 (28)	4.81	8/17/1999	0.08	0.08	12
Peer Group Metric - MF		7.28	13.17	24.64	4.58	7.86	5.50	-	-	-	0.71	-
MSCI ACWI Ex USA NR USD		8.06	14.21	25.35	4.14	7.59	5.22	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Foreign Large Growth												
W American Funds Europacific Growth R5 (MF)	\$9,175	5.39	12.96	24.66 (68)	0.01 (54)	7.47 (56)	6.21 (55)	7.39	5/15/2002	0.52	0.52	6
Peer Group Metric - MF		5.88	12.53	26.39	0.58	7.76	6.37	-	-	-	0.87	-
MSCI EAFE Growth NR USD		5.68	12.26	26.54	1.92	7.74	6.61	-	-	-	-	-
Diversified Emerging Markets												
Vanguard Emerging Mkts Stock Idx Adm** (MF)	\$9,212	9.29	17.27	24.96 (35)	1.59 (37)	6.38 (42)	4.17 (40)	5.33	6/23/2006	0.14	0.14	12
Peer Group Metric - MF		6.51	14.27	23.53	0.06	5.85	3.75	-	-	-	0.90	-
MSCI EM NR USD		8.72	16.86	26.05	0.40	5.75	4.02	-	-	-	-	-
Global Large-Stock Blend												
American Funds Capital World Gr&Inc R5 (MF)	\$9,319	5.76	16.35	30.18 (38)	7.57 (48)	11.23 (45)	8.72 (54)	9.17	5/15/2002	0.46	0.46	9
Peer Group Metric - MF		6.50	16.50	29.22	7.46	10.85	8.89	-	-	-	0.85	-
MSCI World NR USD		6.36	18.86	32.43	9.08	13.04	10.07	-	-	-	-	-
Global Large-Stock Growth												
American Funds New Perspective R5 (MF)	\$9,559	5.84	18.12	31.65 (51)	5.41 (35)	13.80 (21)	11.71 (15)	10.15	5/15/2002	0.47	0.47	10
Peer Group Metric - MF		4.80	17.41	32.10	4.22	12.15	9.94	-	-	-	0.99	-
MSCI World NR USD		6.36	18.86	32.43	9.08	13.04	10.07	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Global Small/Mid Stock												
American Funds SMALLCAP World R5 (MF)	\$7,665	6.54	7.17	21.41 (47)	-3.64 (58)	8.78 (45)	8.82 (15)	9.18	5/15/2002	0.71	0.71	8
Peer Group Metric - MF		8.28	8.78	21.01	-2.71	8.45	7.43	-	-	-	1.20	-
MSCI ACWI SMID NR USD		9.37	12.47	25.55	3.09	9.20	7.68	-	-	-	-	-
Specialty - Real Estate												
Vanguard Real Estate Index Admiral (MF)		17.19	13.60	34.20 (30)	2.50 (63)	4.77 (53)	7.32 (44)	9.43	11/12/2001	0.13	0.13	9
Peer Group Metric - MF		16.03	13.86	33.07	2.90	4.82	7.21	-	-	-	0.88	-
DJ US Select REIT TR USD		15.56	14.92	33.71	4.36	4.41	7.03	-	-	-	-	-
Money Market/Stable Value												
Reliance Trust Stable Value Fd MetLife Series 25053 Class 0	\$54,024	0.56	n/a	2.49 (na)	2.47 (na)	2.86 (na)	3.94 (na)	n/a	n/a	0.62	0.62	n/a
USTREAS T-Bill Auction Ave 3 Mon		1.30	n/a	5.52	3.87	2.47	1.75	-	-	-	-	-
Intermediate Core Bond												
Vanguard Interm-Term Bond Index Adm (MF)	\$784	5.63	5.09	12.30 (23)	-1.27 (35)	0.70 (30)	2.30 (9)	4.16	11/12/2001	0.07	0.07	12
Peer Group Metric - MF		5.14	4.72	11.69	-1.42	0.38	1.78	-	-	-	0.46	-
Barclays US Agg Bond TR USD		5.20	4.45	11.57	-1.39	0.33	1.84	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Long-Term Bond												
W Vanguard Long-Term Bond Index Admiral** (MF)	\$744	7.92	3.61	17.20 (74)	-6.19 (99)	-1.97 (99)	2.32 (92)	1.17	2/7/2019	0.07	0.07	7
Peer Group Metric - MF		8.05	4.82	18.16	-4.48	-0.46	3.09	-	-	-	0.51	-
Barclays US Govt/Credit Long TR USD		7.96	3.54	17.24	-6.17	-1.97	2.32	-	-	-	-	-
High Yield Bond												
American Funds American High-Inc R5 (MF)	\$8,307	5.22	9.40	17.21 (5)	4.18 (13)	6.11 (5)	5.13 (10)	6.78	5/15/2002	0.39	0.38	12
Peer Group Metric - MF		4.46	7.29	14.35	2.83	4.10	4.21	-	-	-	0.75	-
BofAML US HY Master II TR USD		5.28	8.03	15.66	3.08	4.55	4.95	-	-	-	-	-
Multisector Bond												
Fidelity Strategic Income** (MF)	\$5,736	4.30	7.04	14.29 (28)	1.60 (44)	3.48 (25)	3.70 (21)	3.62	4/13/2018	0.66	0.66	10
Peer Group Metric - MF		4.42	6.63	12.74	1.38	2.74	3.23	-	-	-	0.97	-
Barclays US Agg Bond TR USD		5.20	4.45	11.57	-1.39	0.33	1.84	-	-	-	-	-
Global Bond												
American Funds Capital World Bond R5 (MF)	\$6,313	7.02	3.25	12.66 (31)	-3.45 (73)	-0.73 (58)	0.71 (35)	4.11	5/15/2002	0.54	0.54	9
Peer Group Metric - MF		6.70	3.97	11.97	-2.28	-0.43	0.39	-	-	-	0.78	-
Citi WGBI NonUSD USD		8.61	1.92	12.02	-6.25	-3.42	-1.09	-	-	-	-	-

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target Date 2020												
Vanguard Target Retirement 2020 Fund (MF)		5.37	9.49	18.25 (70)	2.86 (44)	6.01 (49)	5.99 (36)	6.19	6/7/2006	0.08	0.08	11
Peer Group Metric - MF		5.41	9.99	19.08	2.77	5.99	5.87	-	-	-	0.51	-
Morningstar Lifetime Moderate 2020		6.18	9.88	19.61	1.79	5.51	5.54	-	-	-	-	-
Target Date 2025												
Vanguard Target Retirement 2025 Fund (MF)	\$52,652	5.85	11.26	21.13 (24)	3.68 (19)	7.09 (28)	6.74 (22)	6.83	10/27/2003	0.08	0.08	12
Peer Group Metric - MF		5.62	10.73	20.40	3.13	6.73	6.24	-	-	-	0.56	-
Morningstar Lifetime Moderate 2025		6.45	10.50	20.94	2.01	5.96	6.00	-	-	-	-	-
Target Date 2030												
Vanguard Target Retirement 2030 Fund (MF)		6.17	12.54	23.27 (25)	4.40 (21)	8.04 (35)	7.35 (30)	6.98	6/7/2006	0.08	0.08	12
Peer Group Metric - MF		5.79	12.02	22.64	3.82	7.65	7.07	-	-	-	0.58	-
Morningstar Lifetime Moderate 2030		6.73	11.42	22.56	2.62	6.74	6.62	-	-	-	-	-
Target Date 2035												
Vanguard Target Retirement 2035 Fund (MF)		6.30	13.61	24.76 (55)	5.07 (29)	8.95 (46)	7.93 (39)	7.70	10/27/2003	0.08	0.08	11
Peer Group Metric - MF		6.05	13.57	24.87	4.74	8.83	7.73	-	-	-	0.58	-
Morningstar Lifetime Moderate 2035		6.99	12.70	24.54	3.66	7.83	7.33	-	-	-	-	-

Fund Color: A = To Be Added P = Proposed R = To Be Replaced W = On Watch List

The performance data quoted represents past performance and does not guarantee future results. Current performance may be lower or higher than return data quoted herein. Returns assume reinvestment of dividends and reinvestment of dividends and capital gains and are adjusted to reflect ongoing fund expenses but not taxes. Funds marked with ** reflect the historical performance of the oldest share class, adjusted to reflect updated fees and expenses. Refer to Net Expense Disclosure section.

Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target Date 2040												
Vanguard Target Retirement 2040 Fund (MF)		6.43	14.61	26.33 (64)	5.75 (45)	9.85 (51)	8.49 (45)	7.72	6/7/2006	0.08	0.08	10
Peer Group Metric - MF		6.12	14.90	26.93	5.59	9.85	8.39	-	-	-	0.60	-
Morningstar Lifetime Moderate 2040		7.21	14.06	26.49	4.80	8.91	7.94	-	-	-	-	-
Target Date 2045												
Vanguard Target Retirement 2045 Fund (MF)		6.57	15.60	27.82 (62)	6.39 (47)	10.74 (39)	8.97 (37)	8.42	10/27/2003	0.08	0.08	11
Peer Group Metric - MF		6.35	15.87	28.31	6.24	10.55	8.66	-	-	-	0.59	-
Morningstar Lifetime Moderate 2045		7.36	15.07	27.90	5.61	9.63	8.29	-	-	-	-	-
Target Date 2050												
Vanguard Target Retirement 2050 Fund (MF)		6.71	16.36	28.91 (54)	6.83 (34)	11.05 (35)	9.13 (32)	8.09	6/7/2006	0.08	0.08	11
Peer Group Metric - MF		6.33	16.35	28.99	6.45	10.78	8.85	-	-	-	0.60	-
Morningstar Lifetime Moderate 2050		7.46	15.54	28.55	5.97	9.92	8.39	-	-	-	-	-
Target Date 2055												
Vanguard Target Retirement 2055 Fund (MF)		6.73	16.37	28.92 (61)	6.84 (36)	11.05 (40)	9.11 (38)	10.41	8/18/2010	0.08	0.08	11
Peer Group Metric - MF		6.40	16.41	29.20	6.48	10.89	8.86	-	-	-	0.60	-
Morningstar Lifetime Moderate 2055		7.52	15.60	28.66	5.98	9.93	8.36	-	-	-	-	-

Fund Color: A = To Be Added P = Proposed R = To Be Replaced W = On Watch List

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Magna Water District 401(k) Plan Performance Summary

INVESTMENT	ASSETS	LAST QTR	YTD	1 YR	3 YR	5 YR	10 YR	SI	INCEPTION DATE	GROSS EXP	NET EXP	SCORE
Target-Date 2060												
Vanguard Target Retirement 2060 Fund (MF)		6.72	16.37	28.93 (62)	6.84 (39)	11.05 (45)	9.11 (61)	10.24	1/19/2012	0.08	0.08	11
Peer Group Metric - MF		6.38	16.42	29.25	6.49	10.95	9.15	-	-	-	0.60	-
Morningstar Lifetime Moderate 2060		7.57	15.55	28.62	5.91	9.87	8.28	-	-	-	-	-
Target-Date 2065+												
Vanguard Target Retirement 2065 Fund (MF)		6.74	16.39	28.95 (66)	6.87 (40)	11.04 (63)	n/a (na)	9.82	7/12/2017	0.08	0.08	9
Peer Group Metric - MF		6.26	16.54	29.34	6.53	11.09	n/a	-	-	-	0.57	-
Morningstar Lifetime Moderate 2060		7.57	15.55	28.62	5.91	9.87	n/a	-	-	-	-	-
Target Date Retirement												
Vanguard Target Retirement Income Fund (MF)		5.12	8.27	16.22 (63)	2.19 (50)	4.45 (56)	4.51 (40)	5.09	10/27/2003	0.08	0.08	7
Peer Group Metric - MF		5.10	8.80	16.91	2.17	4.47	4.32	-	-	-	0.56	-
Morningstar Lifetime Moderate Income		5.57	9.23	17.18	2.70	5.32	4.75	-	-	-	-	-

Fund Color: A = To Be Added P = Proposed R = To Be Replaced W = On Watch List

The performance data quoted represents past performance and does not guarantee future results. Current performance may be lower or higher than return data quoted herein. Returns assume reinvestment of dividends and reinvestment of dividends and capital gains and are adjusted to reflect ongoing fund expenses but not taxes. Funds marked with ** reflect the historical performance of the oldest share class, adjusted to reflect updated fees and expenses. Refer to Net Expense Disclosure section.

CHANGE HOUSE

MAGNA WRF CHANGING ROOM AND OPERATIONS BUILDING STUDY

TO: Trevor Andra, P.E., District Engineer
Dallas Henline, Wastewater Operations Manager

COPIES: File

FROM: Nate Rogers, P.E.
Andee Harris, P.E.
Jeff Beckman, P.E.

DATE: December 2, 2024

SUBJECT: Magna WRF Changing Room and Operations Building Study

JOB NO.: 483-24-01

INTRODUCTION AND PURPOSE

The Magna Water District (District, MWD) owns and operates the Magna Water Reclamation Facility (MWRf) that treats sewer flows from the Magna City and a portion of West Valley City. The initial MWRf treatment facilities were constructed in the early 1960s and included primary and secondary clarifiers, an anaerobic digester, and a digester control building. Since the initial construction, additional treatment processes and improvements have been constructed that have expanded the treatment capacity and upgraded the overall treatment process. As part of these subsequent upgrades, the original digester has been decommissioned and the digester control building has been repurposed to serve as the Operations Building for MWRf.

MWD desires to improve the current functionality and use of the existing Operations Building with the goal of providing an additional changing area and showers for the MWRf staff. MWD retained Bowen Collins & Associates (BC&A) to evaluate the feasibility of modifying the existing Operations Building to accommodate a larger changing room and to increase the number of showers. The initial concept included constructing an addition to the existing Operations Building that would provide space for a changing room with showers and lockers. The District also requested that BC&A evaluate the option of constructing a new Operations Building that is separate from the existing Operations Building for comparison. A separate Operations Building would allow for additional amenities such as a new control room, meeting rooms, office areas, and breakroom.

Initial meetings with District staff identified the following three alternatives to be included in the evaluation:

1. Alternative 1 - An expansion of the existing Operations Building to house a changing room with showers and lockers. This alternative is based on the initial concept.
2. Alternative 2 – Construction of a new, separate Operations Building located in the same location as the existing West Headworks Building. This concept would include the additional requested amenities while utilizing the footprint of the West Headworks Building which is scheduled to be decommissioned in late 2025.

3. Alternative 3 – Construction of a new Operations Building tentatively located in the open area to the south of the existing oxidation ditches. Like Alternative 2, this concept would include the additional requested amenities and a few other amenities such as parking for operations staff.

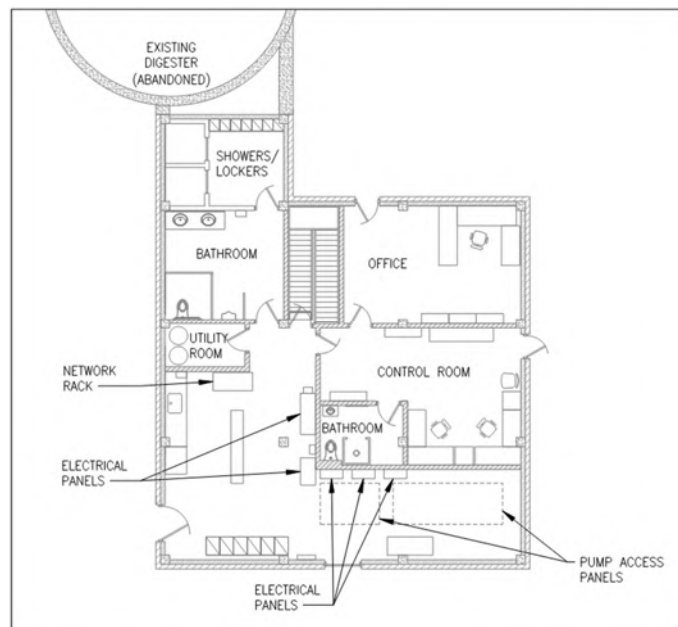
The purpose of this study is to provide a preliminary evaluation of each of these alternatives including advantages and disadvantages of each. The evaluation considered various aspects including constructability, structural requirements, existing utilities, and future operations. This report also provides an estimate of the probable cost of construction for each alternative along with a proposed timetable for design and construction.

BACKGROUND OF EXISTING OPERATIONS BUILDING

The existing Operations Building was constructed over sixty years ago and was originally used as the Digester Control Building. The building included critical equipment necessary for the treatment process such as chlorination equipment, sludge heat exchange equipment, a small laboratory, influent pumps and recirculation pumps. The digester was later decommissioned as part of subsequent MWRf expansion and improvement projects. Decommissioning of the digester allowed the Digester Control building to be repurposed. Over the years, various improvements and modifications have occurred to the Digester Control building, which is now referred to as the Operations Building.

The upper level of the Operations Building now includes an office for the senior operator, small control room with operator stations, SCADA network equipment, electrical gear, uniform storage, showers, and small changing area. The MWRf operators currently use these areas for many purposes. Some of these purposes include morning meetings, the main clock to punch in and out for work and a gathering area for lunches and breaks. The lower level of the building includes pumps and piping, some of which are necessary for continued operations of the MWRf. A portion of the lower level is also used for storage. Figure 1 below includes a layout of the upper level of the existing Operations Building. Appendix A includes photos of the existing Operations Building.

Figure 1 – Upper Level Layout of Existing Operations Building



The existing Operations Building is constructed of reinforced cast-in-place concrete and unreinforced masonry. Based on site visits and visual inspections, the cast-in-place concrete portions of the building appear to be in sound structural condition. The masonry walls appear to be structurally sound; however, their lack of reinforcement means they fail to meet the current building code and pose a substantial risk of failure during a seismic event.

The roof of the existing building also shows signs of deterioration and routinely leaks during rain and snow events. Irrespective of the evaluation of the alternatives included in this study, it is recommended that a detailed seismic evaluation of this building and repair to the roof structure be completed if this building continues to be utilized for its current purposes.

While the District has made good use of the existing MWRf Operations Building, there are concerns with the mixed use of space within the building. These concerns include high voltage electrical gear being located near the frequently accessed areas, SCADA network rack located near a wet area (showers), and insufficient shower and changing areas for staff.

ALTERNATIVE ANALYSIS

Below is a detailed summary of each alternative that includes information gathered from discussions with the District, BC&A, and other subconsultants. An overall site plan of the proposed locations of each of these alternatives can be seen in Figure 2. Included in this site plan are existing structures, utilities and areas that are currently under construction.

Moreover, District staff have identified additional amenities that should be considered in each alternative. Although each of the amenities is not critical to the treatment process and is not required, these amenities should be considered as they provide MWD staff with a safe and improved working environment. The following amenities were identified to be included in the evaluation:

- Showers
- Lockers
- Restrooms
- Uniform Storage
- SCADA Control Center
- Kitchen/Breakroom

A cost estimate for each of the alternatives can be seen in Appendix B, detailed by each respective section. These cost estimates are based on professional judgement, past project experience, and referencing unit cost items listed in RS means, 2021 edition.

The current construction industry in the mountain states region has experienced significant cost increases within the last couple of years. BC&A attempted to capture these increases; however, material and labor costs are in continual flux, and it is recommended that the District carefully monitor the construction market as consideration of the project proceeds. The estimated project cost is simply that, an estimate, and is intended to be used as a planning tool for the District.



P:\Magna Water District\483-24-01 WRF Changing Room and Operations Bld Study\2.0 Design Phase\2.9 GIS\2.9.4 AFRX\Operations Building Location Alternatives 12-2-2024.aprx aharris 12/4/2024

For easier cost comparison between the alternatives investigated, the construction of each was assumed to have the following similar structural and architectural features:

- Reinforced concrete masonry unit (CMU) blocks on concrete footings
- Steel roof joists with flat roof and parapet wall similar to other buildings at the MWRf
- Rigid insulation on roof with TPO style roofing
- Framed interior walls with gypsum board

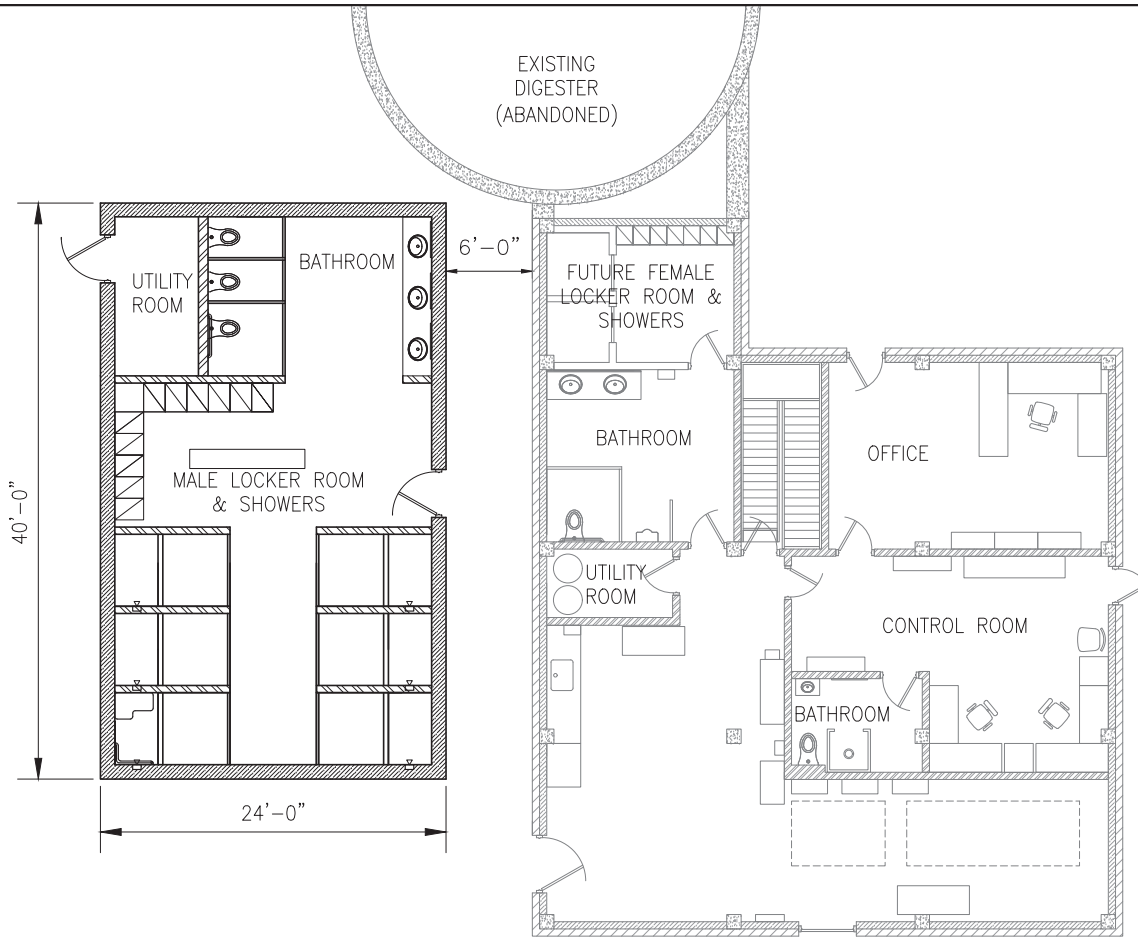
Alternative 1 – Existing Operations Building Expansion

When evaluation of this alternative first began, it was considered to expand the existing Operations Building with an attached addition to house the requested changing room. There were some concerns with an attached addition given the age of the existing building and the significant structural modifications that would be required. While the existing Operations Building is currently structurally sound, it contains several structural deficiencies when compared to current building codes. The building was designed and constructed in the early 1960s and would have been designed using the 1958 Uniform Building Code. This version of the code did not require any reinforcing in the exterior masonry walls. There is no evidence of any modifications that have been made to the building that would have provided reinforcement in the walls. After reviewing chapters 10 and 11 of the current 2021 International Existing Building Code (IEBC) which detail the provisions required to modify an existing building structure, it was determined that the financial commitment for an attached addition would be significantly more than a separate adjacent structure.

Therefore, it was determined that this alternative should be considered as a detached expansion that would sit adjacent to the existing Operations Building.

Proposed Layout. As shown in Figure 3, the proposed detached expansion would be located adjacent to the existing Operations Building with a recommended offset of at least 6 feet to allow for adequate clearance for the construction of the footings and foundation. To maintain an adequate driving path between the existing shop and the new detached expansion, the footprint of the expansion was designed to be no larger than 24 feet wide by 40 feet long. This alternative would also likely require the relocation of the power pole and small shed located on the southeast corner of the detached expansion to clear the area for an adequate driving path.

With the limited footprint, the detached expansion only includes a changing room with lockers, showers, and restrooms. The entrance to the detached expansion is currently shown on the east side of the building as there was initially some discussion about including a breezeway between the two buildings for easier access. While still a possibility, this idea of a breezeway was removed as it would require demolition somewhere along the west wall of the existing Operations Building for a new entrance and a remodel of the existing layout to accommodate the entrance.



Magna Water District
 WRF Changing Room and Operations Building Study
 FIGURE 3 -
 ALTERNATIVE 1: OPERATIONS BUILDING EXPANSION

With the expansion being detached from the existing Operations Building, it is recommended that a separate Utility Room be provided to house electrical, plumbing, and other mechanical equipment. This would ensure the utilities are up to date with current building codes and housed in a structure designed for seismic events rather than extending those utilities from the existing building. During one site visit, District staff expressed concern regarding the existing HVAC system and how it struggles to maintain set temperatures in the summer months. After some coordination with an HVAC consultant, it is possible that the existing HVAC system was not designed for the heating loads produced by the electrical equipment and current occupancy of the building. If Alternative 1 were selected, it is recommended that a complete HVAC design be provided for both the existing Operations Building and the adjacent expansion. It would be proposed that all HVAC equipment be installed on the roof to maintain adequate clearance around the building for vehicles.

As shown in the site plan on Figure 2, there are some concerns with existing utilities that currently serve the existing operations building. The main SCADA, network, and communication lines and electrical duct bank run out of the west side of the existing operations building and out to different locations of the MWRf. This alternative would require rerouting or replacement of these communication and electrical lines. Given the importance of these utilities, an extended construction schedule may be required to verify that these were replaced or rerouted in the correct order so as to minimize interference with the MWRf operations.

Cost Estimate. As mentioned earlier, the construction of each alternative was assumed to have similar structural and architectural features for easier comparison. If desired, options such as an exterior masonry veneer (to match the existing operations building) could be included for Alternative 1 but were not included in this cost estimate.

The overall estimated cost for Alternative 1 is **\$738,000** which includes a 20% contingency. This was the least expensive alternative as it had a significantly smaller footprint than the other alternatives investigated. There were no included demolition costs in this estimate as it is assumed that this alternative would not require demolition of any existing structure and would only require rerouting certain utilities to be out of the construction area.

Advantages & Disadvantages. Table 1 below shows the advantages and disadvantages identified while investigating and designing Alternative 1.

Table 1 – Alternative 1 Advantages & Disadvantages

Advantages	Disadvantages
- Provides Showers and Change Area for District Staff	- Due to the limited available footprint, the only amenities that were included was a changing room, lockers, showers and bathroom
- Alternative 1 is the most affordable of the identified options	- SCADA network equipment remains in a building that is not designed for seismic activity
	- This Alternative would require moving certain utilities including overhead power lines, underground communication lines and gas lines
	- The existing Operations Building may need a new HVAC system if current occupancy requirements remain

Alternative 2 – New Building at West Headworks Location

The District is currently constructing the MWD Influent Project, which is scheduled for completion in March 2026. As part of that project the West Headworks Building will be decommissioned in late 2025 and afterward no plant operations will occur in that building. Due to its longtime service as a headworks building it is not well suited for other purposes such as a maintenance area or storage facility. Over the past few years, the interior and exterior features of the building have begun to decline, likely due to the hydrogen sulfide gases that are present in the wastewater flows that currently run through the building.

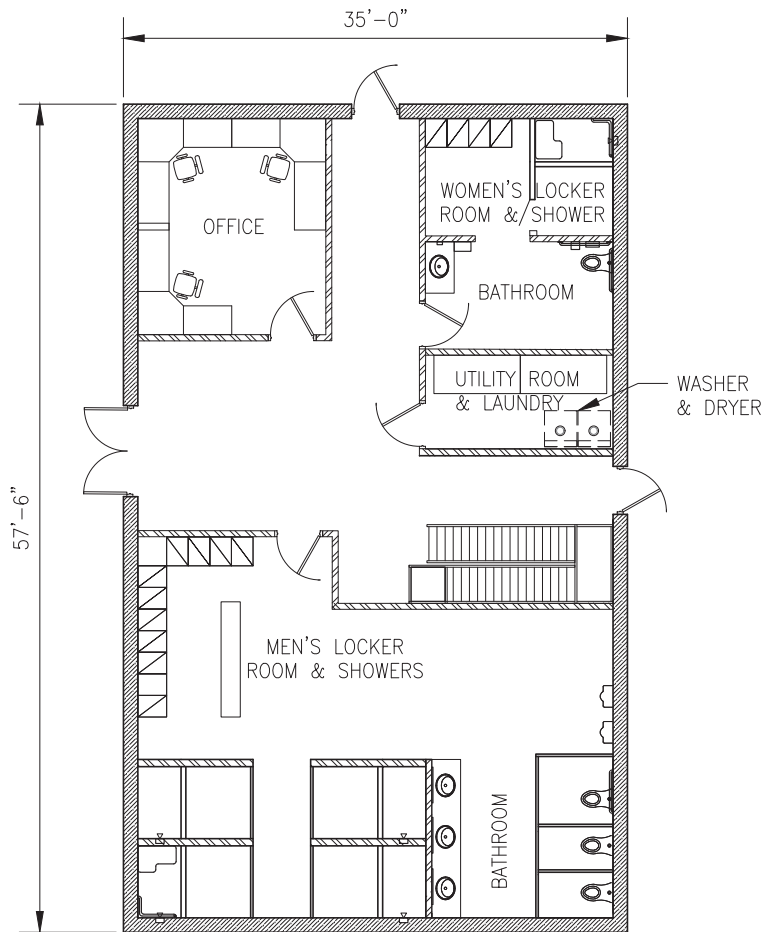
As part of this evaluation, Alternative 2 investigated the option of demolishing the existing West Headworks Building and replacing it with a new Operations Building. By utilizing the area of the existing West Headworks Building, the footprint of this alternative is governed by the existing building to better utilize space at the MWRf.

In evaluating the feasibility of putting a new structure on top of a demolished building footprint, BC&A discussed this alternative with Intermountain GeoEnvironmental Services (IGES), Inc. as they have performed several geotechnical studies at the MWRf site and are familiar with the geotechnical conditions there. During this discussion, two demolition ideas were proposed. The first was to remove both the above and below grade structure and replace the below grade structure with compacted structural fill to prepare the site for the future building. The second was to remove the above grade structure and only 4 feet below grade of the existing structure and filling the rest of the structure with flowable fill. Structural fill would then be placed on top of the flowable fill to prepare the site for the future building. The second option was proposed to both minimize costs and alleviate concerns of settlement if the structure was to be completely replaced with compacted structural fill. In these discussions, IGES did not raise any major concerns with either proposal and was confident that BC&A could take steps during design and construction to address settlement.

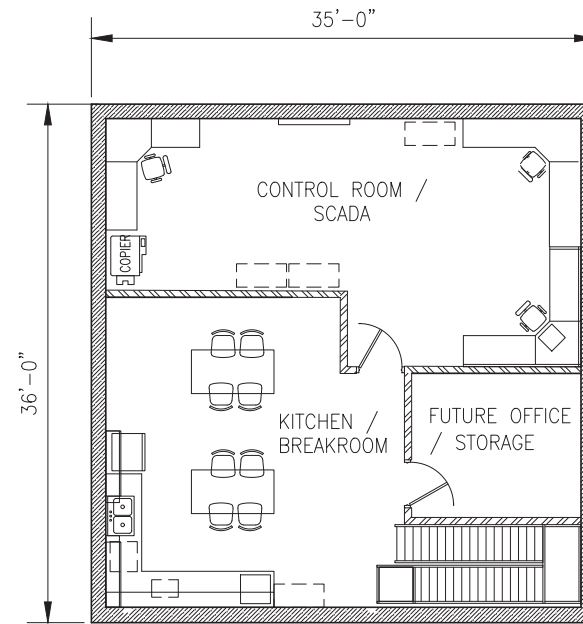
Proposed Layout. The proposed new building in Alternative 2 would not include a basement like the existing West Headworks Building and would only need a few feet of below-grade foundation to structurally support a new building. To accommodate the requested amenities, this alternative proposes the use of a two-story building seen in Figure 4. With the height of nearby existing buildings on the site, a two-story building would complement the other buildings while providing the necessary space for operations staff. The following amenities were included in the Alternative 2 design:

- Showers, Restrooms & Locker Rooms for Male and Female Operations Staff (Main Floor)
- Utility, Uniform and Laundry Rooms (Main Floor)
- Office Space (Main Floor)
- Control/SCADA Room (Upper Floor)
- Kitchen/Breakroom (Upper Floor)
- Future Office or Storage Area (Upper Floor)

It is noted that the upper floor is shown to only occupy ~60% of the available footprint. This was done to help minimize the overall cost of the new building, but the additional space could be utilized if desired. It was assumed that the SCADA network equipment would be located in the SCADA control room, but a separate room could be designed to house this equipment.



MAIN FLOOR LAYOUT
1/8" = 1'-0"



UPPER FLOOR LAYOUT
1/8" = 1'-0"



Magna Water District
WRF Changing Room and Operations Building Study
FIGURE 4 -
ALTERNATIVE 2: NEW BUILDING AT WEST HEADWORKS

Since this new Operations Building would sit in the same location as the existing West Headworks Building, it would utilize the same utility lines that currently run to that building. In looking into potential demands at the new building for electrical, gas and water it was determined that each of the existing utilities would be sufficient to serve the new Operations Building. One utility that does not currently exist is sanitary sewer, but the main MWRf plant drain line runs adjacent to the building and a sanitary sewer connection could be made to that line to serve the new building.

Cost Estimate. In creating the cost estimate for this alternative, BC&A discussed the proposed demolition with Corrio Construction, as they are currently working near the existing West Headworks Building. It was determined that it would be less expensive to go with the second demolition option explained above and backfill the remaining below grade structure with flowable fill. With this approach, the demolition cost, included in the “Existing Conditions” line item of the cost estimate (Appendix B), would be less than 5% of the overall projected building cost. This percentage only considers the removal of the existing structure and not the cost of flowable fill.

The overall estimated cost for Alternative 2 is **\$1,640,000** including a 20% contingency. This was the most expensive alternative as the concrete, masonry and metals estimates are higher due to the upper floor.

Advantages & Disadvantages. Table 2 below shows the advantages and disadvantages identified while investigating and designing Alternative 2.

Table 2 – Alternative 2 Advantages & Disadvantages

Advantages	Disadvantages
- Includes amenities in addition to changing area and showers, such as new control rooms, offices, breakroom	- Additional demolition costs
- Demolition of the West Headworks Building since it will soon be decommissioned	- Building footprint limited by existing West Headworks Building
- Location is nearby the existing Operations Building	- Highest cost of three alternatives
- The same utility connections can be used to serve the new Operations Building	
- Preserves space at the MWRf for other improvements	
- Relocation of the SCADA network equipment to secure space	

The main intent of Alternative 2 is two-fold – utilize the space that would exist as a result of the decommissioning of the existing West Headworks building and provide an opportunity to include the demolition of that building into the same project. As shown in Photo 11 in Appendix A, certain features of the existing West Headworks building have begun to deteriorate and would require

immediate attention in addition to ongoing maintenance if this building were to remain. Since the majority of the working area in the existing West Headworks Building is below grade, it is not well suited for other purposes such as a storage area. After decommissioning, the existing building would be abandoned and may become a safety concern given its current condition. If the existing West Headworks building was to remain, it would likely require significant upgrades to maintain what functionality it could still have after decommissioning.

Alternative 3 – New Building South of Oxidation Ditches

There are a few undeveloped areas at the MWRF that are well suited for additional structures. Alternative 3 investigated providing the District with a new Operations Building that would be built to suit each of the proposed amenities while also looking ahead to accommodate future growth.

While there are few areas shown in the attached site plan in Figure 2 that could accommodate a new Operations Building, it was intentionally located in the open space south of the existing Oxidation Ditches. This location minimizes the number of utilities that would need to be rerouted as well as still maintaining proximity to the existing Operations Building.

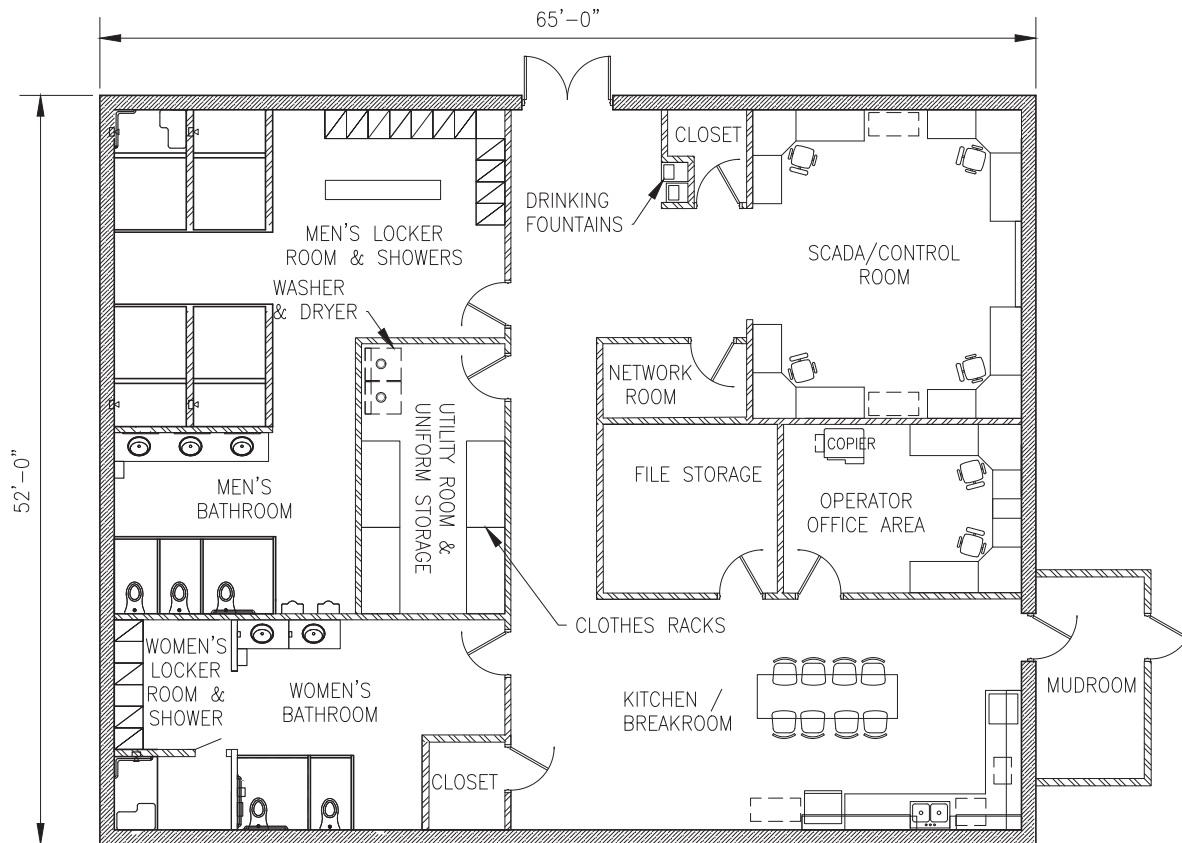
Electrical, gas, and water service are nearby this location and could easily be tapped or connected to for service for the new Operations Building. There is a sewer line that runs from the MWRF Administration Building to the existing Operations Building that would pass underneath this building. This alternative would require that this sewer line be rerouted.

Proposed Layout. Given the open area available, the building layout shown in Figure 5 is on a single level. This would maintain easy access to all areas, a common feature to the other buildings at the MWRF. As this building can be built to suit, the listed proposed amenities including a few others suggested by District staff were included in the design:

- Showers, Restrooms & Locker Rooms for Male and Female Operations Staff
- Utility, Uniform and Laundry Rooms
- Office Space
- Control/SCADA Room
- Kitchen/Breakroom
- Network Room
- File Storage Room
- Outside Parking Area
- Mudroom

The layout of Alternative 3 was reviewed with District staff to confirm that the size and layout for each of the requested amenities was sufficient.

Cost Estimate. The overall estimated cost for Alternative 3 is **\$1,537,000** which also includes a 20% contingency. While this alternative provided a similar square footage as Alternative 2, the lower cost is due to the building being built on a single level and not requiring any demolition prior to construction.



Magna Water District
 WRF Changing Room and Operations Building Study
 FIGURE 5 -
 ALTERNATIVE 3: NEW BUILDING SOUTH
 OF OXIDATION DITCHES

Advantages & Disadvantages. Table 3 below shows the advantages and disadvantages identified while investigating and designing Alternative 3.

Table 3 – Alternative 3 Advantages & Disadvantages

Advantages	Disadvantages
<ul style="list-style-type: none"> - Includes amenities in addition to changing area and showers, such as new control rooms, offices, and breakroom. 	<ul style="list-style-type: none"> - Sewer line from Admin Building would need to be rerouted around the building
<ul style="list-style-type: none"> - New Building can be designed to suit current and future needs 	<ul style="list-style-type: none"> - Higher costs than Alternative 1
<ul style="list-style-type: none"> - Location is central to the MWRP 	
<ul style="list-style-type: none"> - Additional amenities can be considered given available area 	
<ul style="list-style-type: none"> - Relocation of the MWRP network rack to air conditioned, secure space 	

Alternative 3 provides the District the space necessary to include the amenities desired, while relocating critical infrastructure (i.e. SCADA network) to a new building that is designed to current seismic standards. The location also allows for construction of the new building while minimizing disruptions to the current treatment operations. If this alternative was selected, many design combinations could be utilized to provide and optimize the desired amenities. The conceptual layout in Figure 5 was developed through multiple design iterations and discussions with District staff and should be considered as a good starting point for design.

SUMMARY

Each of the alternatives analyzed for this study are feasible. While an expansion of the existing Operations Building will provide a changing room with showers and lockers, it will not provide any of the other proposed amenities. Below is a summary table for a quick comparison of each of the alternatives.

	Alternative 1	Alternative 2	Alternative 3
Cost Estimate	\$738,000	\$1,640,000	\$1,537,00
Amenities Provided			
Showers, Restrooms & Locker Room	✓	✓	✓
Utility, Uniform and Laundry Room		✓	✓
SCADA/Control Room		✓	✓
Kitchen/Breakroom		✓	✓
Office Space		✓	✓
Storage Area		✓	✓
Future Office Space		✓	✓
Network Room			✓
File Storage Room			✓
Outside Parking Area			✓
Mudroom			✓

It is understood that the existing Operations Building holds historical value for the site, as it dates back to the original MWRf construction. Therefore, we do not recommend demolition of the building and recommend utilizing the existing building for storage or other low-risk occupancies in the future. This approach will help ensure that any potential structural failure due to an earthquake does not impact the operations of the MWRf.

It is recommended that a completely new Operations Building be built either in place of the existing West Headworks building or in an undeveloped area similar to the location shown for Alternative 3 to provide operations staff with additional space to better operate and manage the MWRf.

Given the amount of work required for each of these alternatives, it is estimated it would take approximately 18 months from notice to proceed to project completion. This timeline would include a complete design package with contract documents, bidding and construction. It is recommended that the District provide at least 6 weeks for the bidding process to allow for competitive bids. It is noted that the estimated schedule will be subject to some variation depending on which alternative is selected.

**APPENDIX A
PHOTOS**



Photo 1 - Operations Building South Elevation



Photo 2 - Operations Building West Elevation

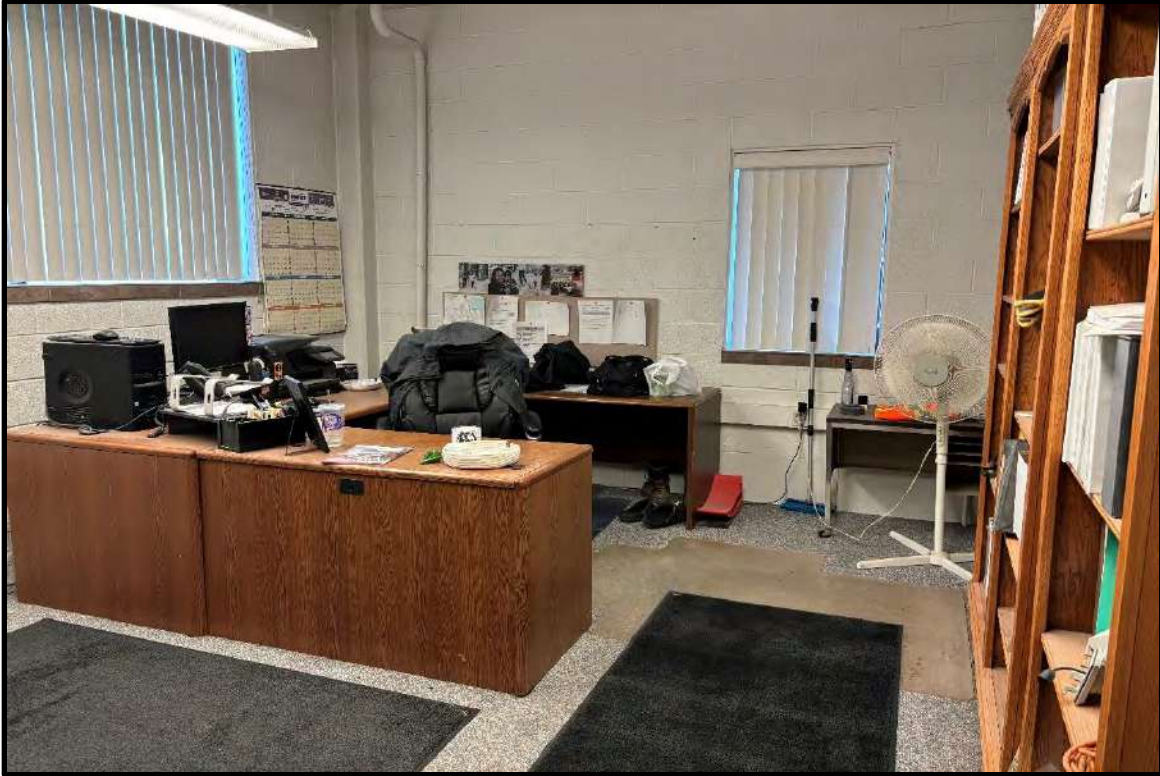


Photo 3 - Lead Operator Office



Photo 4 - Control Room/Operator Stations



Photo 5 – Uniform Storage Area And Electrical Gear

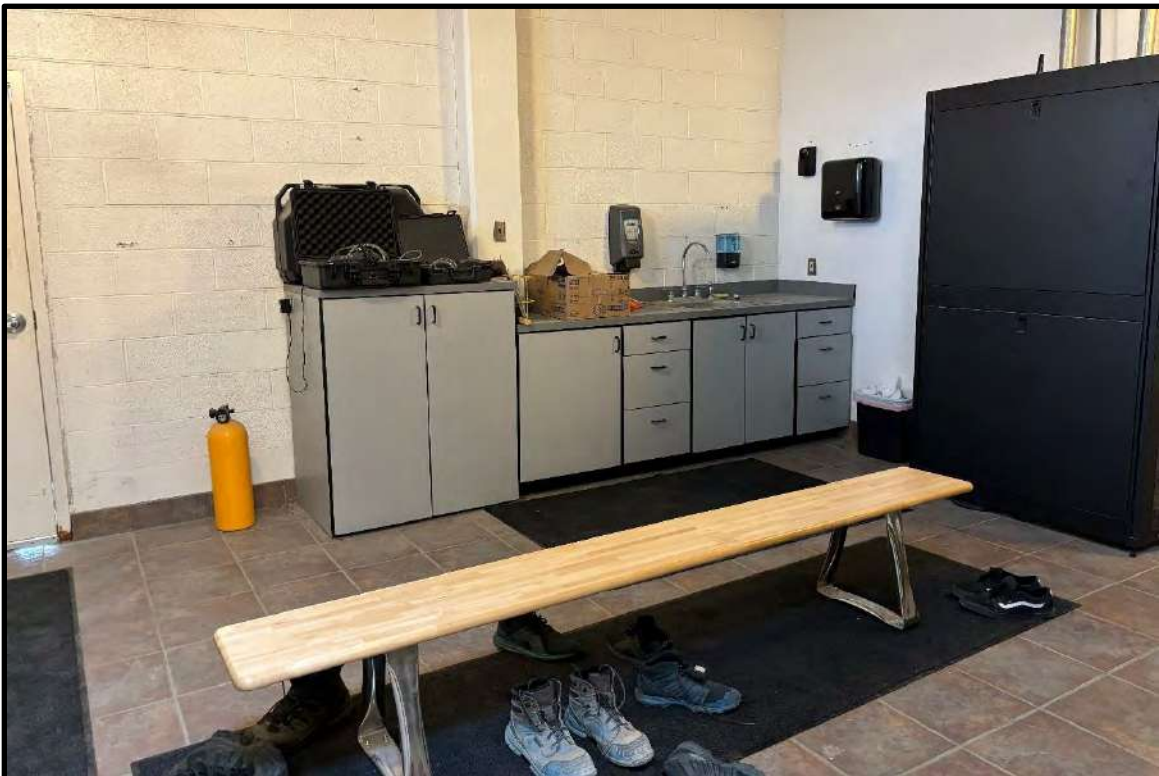


Photo 6 – Changing Area And Network Cabinet



Photo 7 – Showers And Lockers



Photo 8 – Electrical Gear Outside Showers



Photo 9 – Lower Level Pumps



Photo 10 – Lower Level Storage



Photo 11 – West Headworks (Location for Alternative 2)



Photo 12 – Inside West Headworks



Photo 13 - West Grass Area (Alternative 3)

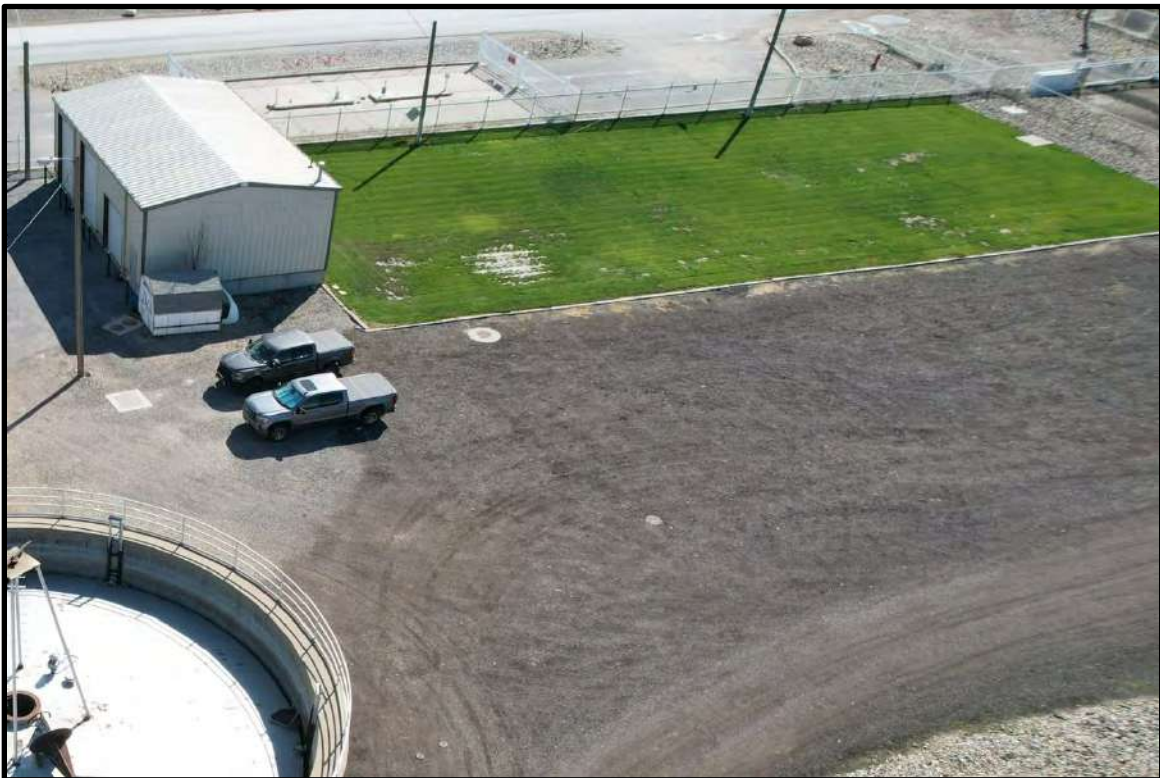


Photo 14 - West Grass Area Aerial (Alternative 3)

**APPENDIX B
COST ESTIMATES**

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 1, see Page 7

Date: 12/1/2024

Prepared By: NR

No.	Item	Quantity	Units	Unit Cost	Cost
1	01 71 00 - MOBILIZATION	1	LS	\$ 55,851	\$ 55,851
2	02 00 00 - EXISTING CONDITIONS	1	LS	\$ 6,600	\$ 6,600
3	03 00 00 - CONCRETE	1	LS	\$ 66,110	\$ 66,110
4	04 00 00 - MASONRY	1	LS	\$ 59,675	\$ 59,675
5	05 00 00 - METALS	1	LS	\$ 35,904	\$ 35,904
6	06 00 00 - WOOD, PLASTICS, AND COMPOSITES	1	LS	\$ 19,114	\$ 19,114
7	07 00 00 - THERMAL & MOISTURE	1	LS	\$ 16,896	\$ 16,896
8	08 00 00 - OPENINGS	1	LS	\$ 16,940	\$ 16,940
9	09 00 00 - FINISHES	1	LS	\$ 42,471	\$ 42,471
10	10 00 00 - SPECIALTIES	1	LS	\$ 41,289	\$ 41,289
11	12 00 00 - FURNISHINGS	1	LS	\$ 2,255	\$ 2,255
12	21 00 00 - FIRE SUPPRESSION	1	LS	\$ 22,550	\$ 22,550
13	22 00 00 - PLUMBING	1	LS	\$ 60,610	\$ 60,610
14	23 00 00 - HVAC	1	LS	\$ 50,270	\$ 50,270
15	26 00 00 - ELECTRICAL	1	LS	\$ 65,789	\$ 65,789
16	28 00 00 - ELECT. SAFETY & SECURITY	1	LS	\$ 3,168	\$ 3,168
17	31 00 00 - EARTHWORK	1	LS	\$ 26,980	\$ 26,980
18	32 00 00 - EXTERIOR IMPR.	1	LS	\$ 16,580	\$ 16,580
19	33 00 00 - UTILITIES	1	LS	\$ 5,308	\$ 5,308
Subtotal					
				Contingency (20%)	\$ 122,872
				Project Total	\$ 737,300

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 2, see Page 10

Date: 12/1/2024

Prepared By: NR

No.	Item	Quantity	Units	Unit Cost	Cost
1	01 71 00 - MOBILIZATION	1	LS	\$ 95,328	\$ 95,328
2	02 00 00 - EXISTING CONDITIONS	1	LS	\$ 49,500	\$ 49,500
3	03 00 00 - CONCRETE	1	LS	\$ 228,443	\$ 228,443
4	04 00 00 - MASONRY	1	LS	\$ 151,074	\$ 151,074
5	05 00 00 - METALS	1	LS	\$ 147,235	\$ 147,235
6	06 00 00 - WOOD, PLASTICS, AND COMPOSITES	1	LS	\$ 61,883	\$ 61,883
7	07 00 00 - THERMAL & MOISTURE	1	LS	\$ 35,728	\$ 35,728
8	08 00 00 - OPENINGS	1	LS	\$ 47,905	\$ 47,905
9	09 00 00 - FINISHES	1	LS	\$ 88,481	\$ 88,481
10	10 00 00 - SPECIALTIES	1	LS	\$ 52,553	\$ 52,553
11	12 00 00 - FURNISHINGS	1	LS	\$ 3,465	\$ 3,465
12	21 00 00 - FIRE SUPPRESSION	1	LS	\$ 29,150	\$ 29,150
13	22 00 00 - PLUMBING	1	LS	\$ 96,250	\$ 96,250
14	23 00 00 - HVAC	1	LS	\$ 72,270	\$ 72,270
15	26 00 00 - ELECTRICAL	1	LS	\$ 125,126	\$ 125,126
16	28 00 00 - ELECT. SAFETY & SECURITY	1	LS	\$ 10,808	\$ 10,808
17	31 00 00 - EARTHWORK	1	LS	\$ 32,116	\$ 32,116
18	32 00 00 - EXTERIOR IMPR.	1	LS	\$ 33,748	\$ 33,748
19	33 00 00 - UTILITIES	1	LS	\$ 5,308	\$ 5,308
	Subtotal				
				Contingency (20%)	\$ 273,274
				Project Total	\$ 1,639,700

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.

Engineer's Opinion of Probable Cost For Preliminary Review



Ops Building - Alternative 3, see Page 11

Date: 12/1/2024

Prepared By: NR

No.	Item	Quantity	Units	Unit Cost	Cost
1	01 71 00 - MOBILIZATION	1	LS	\$ 89,367	\$ 89,367
2	03 00 00 - CONCRETE	1	LS	\$ 185,020	\$ 185,020
3	04 00 00 - MASONRY	1	LS	\$ 108,108	\$ 108,108
4	05 00 00 - METALS	1	LS	\$ 125,257	\$ 125,257
5	06 00 00 - WOOD, PLASTICS, AND COMPOSITES	1	LS	\$ 62,543	\$ 62,543
6	07 00 00 - THERMAL & MOISTURE	1	LS	\$ 57,640	\$ 57,640
7	08 00 00 - OPENINGS	1	LS	\$ 44,935	\$ 44,935
8	09 00 00 - FINISHES	1	LS	\$ 89,526	\$ 89,526
9	10 00 00 - SPECIALTIES	1	LS	\$ 60,220	\$ 60,220
10	12 00 00 - FURNISHINGS	1	LS	\$ 3,465	\$ 3,465
11	21 00 00 - FIRE SUPPRESSION	1	LS	\$ 30,800	\$ 30,800
12	22 00 00 - PLUMBING	1	LS	\$ 84,700	\$ 84,700
13	23 00 00 - HVAC	1	LS	\$ 80,520	\$ 80,520
14	26 00 00 - ELECTRICAL	1	LS	\$ 140,526	\$ 140,526
15	28 00 00 - ELECT. SAFETY & SECURITY	1	LS	\$ 10,808	\$ 10,808
16	31 00 00 - EARTHWORK	1	LS	\$ 33,105	\$ 33,105
17	32 00 00 - EXTERIOR IMPR.	1	LS	\$ 69,077	\$ 69,077
18	33 00 00 - UTILITIES	1	LS	\$ 5,308	\$ 5,308
	Subtotal				
				Contingency (20%)	\$ 256,185
				Project Total	\$ 1,537,200

This opinion of probable construction is based on experience with past projects of similar construction. It is understood that the Bowen Collins & Associates has no control over economical factors or unknown conditions that may have a significant impact on actual project costs. Bowen Collins & Associates does not guarantee its cost estimates and accepts no liability for problems created by the difference in actual costs and this opinion of probable construction cost.

PTIF



1. Certification of Authorized Individuals

I, Mick Sudbury (Name) hereby certify that the following are authorized: to add or delete users to access and/or transact with PTIF accounts; to add, delete, or make changes to bank accounts tied to PTIF accounts; to open or close PTIF accounts; and to execute any necessary forms in connection with such changes on behalf of Magna Water District (Name of Legal Entity). Please list at least two individuals. Each individual must have a unique email.

Name	Title	Email	Signature(s)
<u>Lelsle Fitzgerald</u>	<u>Controller</u>	<u>leisle@magnawaterut.gov</u>	
<u>Clint Dilley</u>	<u>General Manager</u>	<u>clintd@magnawaterut.gov</u>	

The authority of the named individuals to act on behalf of Magna Water District (Name of Legal Entity) shall remain in full force and effect until written revocation from Magna Water District (Name of Legal Entity) is delivered to the Office of the State Treasurer.

2. Signature of Authorization

I, the undersigned, Board of Trustee Chairman (Title) of the above named entity, do hereby certify that the forgoing is a true copy of a resolution adopted by the governing body for banking and investments of said entity on the 12th day of December, 2024, at which a quorum was present and voted; that said resolution is now in full force and effect; and that the signatures as shown above are genuine.

Signature	Date	Printed Name	Title
		<u>Mick Sudbury</u>	<u>Board of Trustee Chairman</u>

STATE OF UTAH)
) §
COUNTY OF _____)

Subscribed and sworn to me on this 12th day of December, 2024, by Mick Sudbury (Name), as Board of Trustee Chairman (Title) of Magna Water District (Name of Entity), proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(seal) Signature _____

**BOARD
MEETING
SCHEDULE**

**NOTICE OF REGULAR MEETINGS OF
MAGNA WATER DISTRICT
FOR THE CALENDAR YEAR 2025**

The following outlines the dates for regular meetings of the Board of Trustees of the Magna Water District for the calendar year of 2025. All meetings will be held at the District's General Office Building in the Kim Bailey Board Room, located at 8885 West 3500 South, Magna, Utah at 10:00 a.m. Unless specified otherwise.

January 9
February 13
March 13
April 10
May 8
June 12
July 10
August 14
September 11
October 9
November 13
December 11

(this notice complies with the requirements of Section 52-4-202(2) Utah Code Annotated 1953, as amended.)

MAGNA WATER DISTRICT

LeIsle Fitzgerald, District Clerk

2025

January

S	M	T	W	T	F	S
			01	02	03	04
05	06	07	08	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

February

S	M	T	W	T	F	S
						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

March

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						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April

S	M	T	W	T	F	S
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06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May

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				01	02	03
04	05	06	07	08	09	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June

S	M	T	W	T	F	S
01	02	03	04	05	06	07
08	09	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July

S	M	T	W	T	F	S
		01	02	03	04	05
06	07	08	09	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August

S	M	T	W	T	F	S
					01	02
03	04	05	06	07	08	09
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September

S	M	T	W	T	F	S
	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October

S	M	T	W	T	F	S
			01	02	03	04
05	06	07	08	09	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

November

S	M	T	W	T	F	S
						01
02	03	04	05	06	07	08
09	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

December

S	M	T	W	T	F	S
	01	02	03	04	05	06
07	08	09	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FRAUD RISK ASSESSMENT

Fraud Risk Assessment

Continued

*Total Points Earned: 325 /395 *Risk Level: Very Low Low Moderate High Very High
> 355 316-355 276-315 200-275 < 200

	Yes	Pts
1. Does the entity have adequate basic separation of duties or mitigating controls as outlined in the attached Basic Separation of Duties Questionnaire?	200	200
2. Does the entity have governing body adopted written policies in the following areas:		
a. Conflict of interest?	5	5
b. Procurement?	5	5
c. Ethical behavior?	5	5
d. Reporting fraud and abuse?	5	5
e. Travel?	5	5
f. Credit/Purchasing cards (where applicable)?	5	5
g. Personal use of entity assets?	5	5
h. IT and computer security?	5	5
i. Cash receipting and deposits?	5	5
3. Does the entity have a licensed or certified (CPA, CGFM, CMA, CIA, CFE, CGAP, CPFO) expert as part of its management team?		20
a. Do any members of the management team have at least a bachelor's degree in accounting?		10
4. Are employees and elected officials required to annually commit in writing to abide by a statement of ethical behavior?		20
5. Have all governing body members completed entity specific (District Board Member Training for local/special service districts & interlocal entities, Introductory Training for Municipal Officials for cities & towns, etc.) online training (training.auditor.utah.gov) within four years of term appointment/election date?	20	20
6. Regardless of license or formal education, does at least one member of the management team receive at least 40 hours of formal training related to accounting, budgeting, or other financial areas each year?	20	20
7. Does the entity have or promote a fraud hotline?	20	20
8. Does the entity have a formal internal audit function?	20	20
9. Does the entity have a formal audit committee?		20

*Entity Name: MAGNA WATER DISTRICT

*Completed for Fiscal Year Ending: 12/31/2024 *Completion Date: 12/12/2024

*CAO Name: _____ *CFO Name: _____

*CAO Signature: _____ *CFO Signature: _____

*Required

HB280 STUDY



Integration of Existing Funds Study



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Utah's water infrastructure needs

Looking into the future, Utah water providers not only have a significant need to repair and replace aging water infrastructure but also to construct new water infrastructure to meet the needs of our growing population. The 2020 American Society of Civil Engineers Report Card for America's Infrastructure graded Utah's water infrastructures from a B- to D- (2020, 8), as seen in Figure 1.

Figure 1: American Society of Civil Engineers 2020 Report Card for Utah's Water

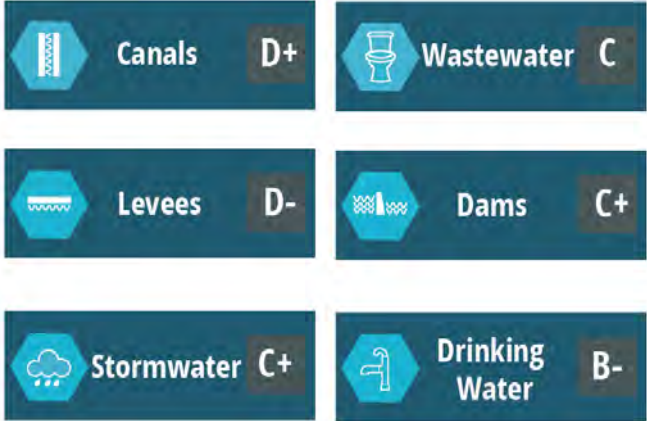
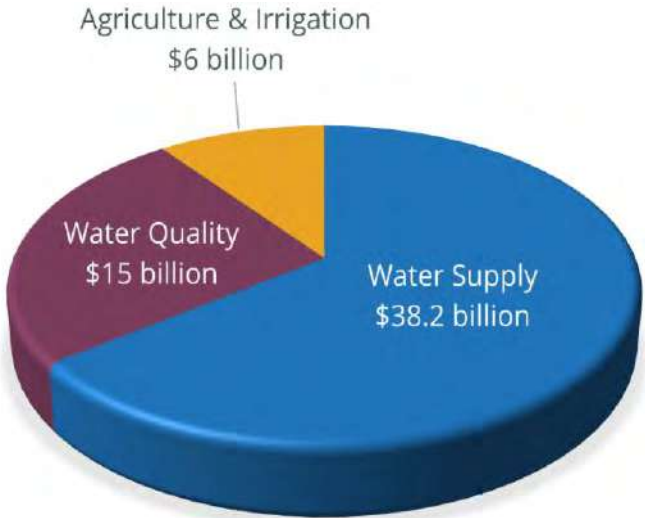


Figure 2 shows the estimated need for water infrastructure in Utah. An estimated \$38.2 billion (Prepare 60 et al. 2020) in water supply infrastructure projects and another \$15 billion (Forsgren Associates Inc. et al. 2019) in water quality infrastructure projects will be needed by 2060. This staggering price tag is one of the many challenges we face regarding our water needs for the future. The water providers themselves will cover many of these expenses and a portion will come from federal and state funding sources. The Agricultural Water Optimization Task Force estimated that agricultural and irrigation projects to address canal improvements, quantification, metering and on-farm irrigation conversions (2021) will cost over \$6 billion.

Figure 2: \$60 billion needed for water infrastructure projects

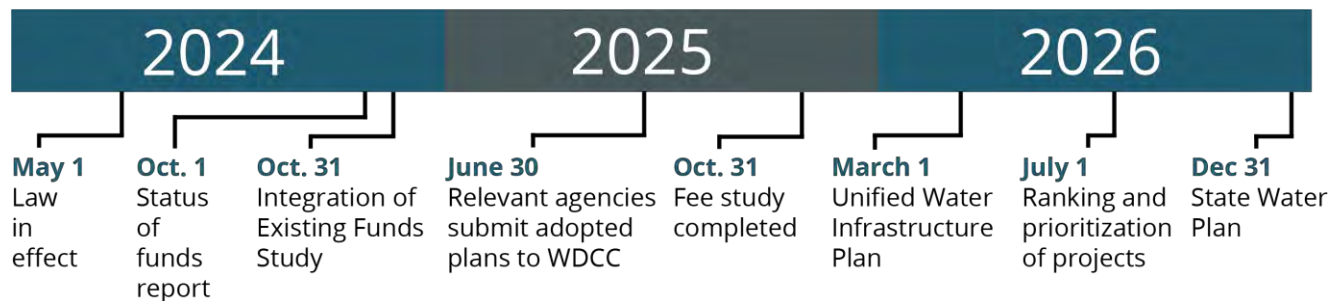


Water infrastructure can mean a lot of different things. It can include pipes to get drinking water into our homes and businesses, treatment plants to clean our drinking water and wastewater, large and small dams, canals and stormwater collection and retention systems.

Summary of House Bill 280

In 2024, the Legislature passed HB 280, which updated the State Water Plan statute ([Utah Code 73-10-15](#)), modified the Water Development Coordinating Council (WDCC), created a new Water Infrastructure Fund (WIF), required the creation of a Unified Water Infrastructure Plan (UWIP) that ranks and prioritizes water infrastructure projects in the state and requires the Division of Water Resources to undertake two studies. One is on the integration of existing funds, and the other is concerning potential new revenue sources to fund the projects identified in the UWIP. Figure 3 shows the milestones that are set out in HB 280. This is a new process that we are building the foundation of today. Over the next several years, the process of funding water infrastructure will be improved with proactive planning and more collaboration between funding agencies.

Figure 3: HB 280 Actions Timeline



Council makeup

In 1983, the WDCC was created to coordinate the use and application of state funds for water infrastructure projects and to promote the conservation, development, treatment, restoration and protection of the waters of this state.

The council is made up ([73-10c-3](#)) of the executive secretaries of the Board of Water Resources, Water Quality Board and Drinking Water Board; the director of the Housing and Community Development Division; the commissioner of Utah Department of Agricultural and Food; and the state treasurer. A large water conservancy district representative (appointed by the governor with the advice and consent of the Senate) was added to the council in 2024.

No additional changes are recommended for the council makeup at this time.

Overview of existing water boards and funds

Five agencies, defined as “relevant agencies” in HB 280, provide funds for water infrastructure in the state. They include:

- Division of Water Resources through the Board of Water Resources
- Division of Drinking Water through the Drinking Water Board
- Division of Water Quality through the Water Quality Board
- Department of Agriculture and Food through the Utah Conservation Commission
- Housing and Community Development Division through the Permanent Community Impact Fund, Community Development Block Grant Policy, Navajo Revitalization Fund and Uintah Basin Revitalization Fund boards

These agencies are each represented on the WDCC.

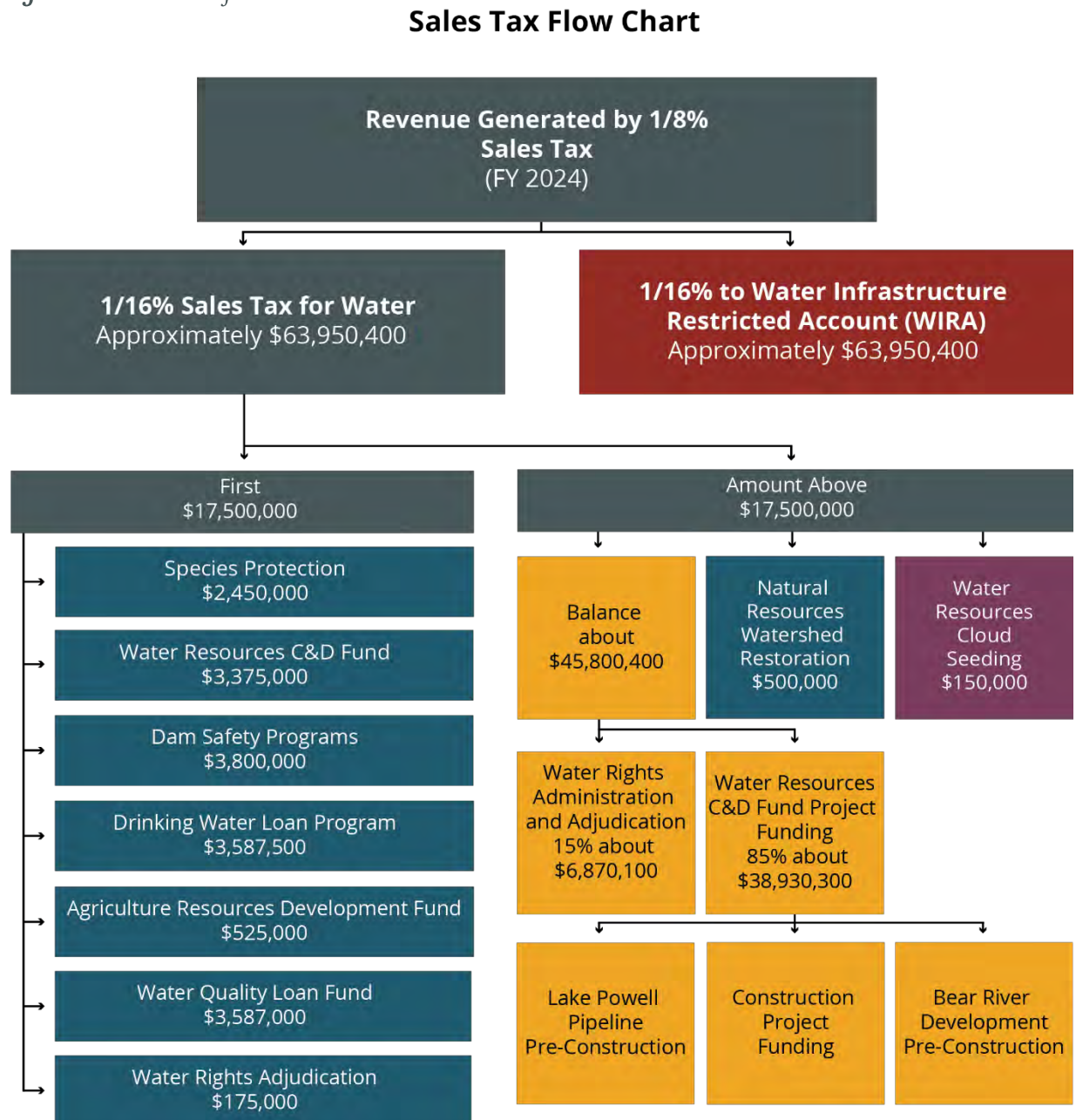


Diversion structure in Weber Basin

Sales tax for water

On July 1, 2003, the Legislature started earmarking sales tax for water. Currently, 1/8% of sales tax subsidizes a variety of water-related programs and funds ([59-12-103](#)). Figure 4 shows the distribution of the first 1/16% sales tax for water. The second 1/16% sales tax is directed to the Water Infrastructure Restricted Account ([73-10g-103](#)) to develop the state's undeveloped share of the Bear and Colorado rivers; repair, replace or improve federal water projects for local sponsors and for water reuse, desalinization, building of dams or conservation projects in the Colorado River Basin.

Figure 4: Sales Tax for Water



Board of Water Resources funds and purpose

The Board of Water Resources’ revolving funds provide low-interest project funding to incorporated groups such as mutual irrigation and water companies, municipalities and other entities. This funding is for many types of projects, including agriculture, drinking water and flood control. Interest rates and repayment terms are based on the board’s affordability guidelines and the project area’s Median Adjusted Gross Income. Funding is not available for regular operation and maintenance, or where fewer than 50% of the residents live in the project area year-round, or for projects sponsored by developers, individuals or families.



Millsite spillway

[Board Funding | Utah Department of Natural Resources](#)

Table 1 shows the status of funds for the Board of Water Resources programs.

Table 1: Board of Water Resources Funds

	Revolving Construction Fund (RCF) 5270*	Cities Water Loans Fund (CWL) 5280	Conservation and Development Fund (C&D) 5275	Water Infrastructure Restricted Account (WIRA) 1180	Total Water Resources
FY24 Actual Funds					
Beginning Balance	\$20,467,485	\$7,147,719	\$145,596,107	\$224,633,064	\$397,844,374
Total Revenue All Sources	\$32,152,978	\$13,878,107	\$286,120,543	\$76,753,701	\$408,905,330
Ending Balance	\$36,915,096	\$18,771,596	\$275,386,443	\$251,765,505	\$582,838,639
FY25 Projected Funds					
Total Revenue - All Sources	\$7,797,726	\$1,413,962	\$119,648,195	\$74,000,000	\$202,859,884
Total Expenses	\$12,500,000	\$13,000,000	\$93,800,000	\$50,000,000	\$169,300,000

*Revolving Construction Fund includes dam safety grant funds, which cannot be used for other projects.

Drinking Water Board funds and purpose

The Drinking Water Board oversees the Drinking Water State Revolving Fund (DWSRF). It provides low-interest loans and grants for drinking water infrastructure and associated engineering and planning to Utah's public and non-profit water systems. Disadvantaged communities that meet hardship criteria can apply for a grant or principal forgiveness.

[Federal State Revolving Fund Program: Drinking Water | Utah Department of Environmental Quality](#)

[State Revolving Fund: Drinking Water | Utah Department of Environmental Quality](#)

Table 2 shows the status of funds for the Drinking Water Board programs.

Table 2: Drinking Water Board Funds

	DW SRF Fund 5210	DW State Fund 5235	Federal Hardship Fund 5215	State Hardship Fund 5240	State Origination Fees Fund 5245	Fed Origination Fees Fund 5246	Total Drinking Water
FY24 Actual Funds							
Beginning Balance	\$74,560,611	\$21,926,603	\$2,226,458	\$2,737,676	\$77,725	\$456,899	\$101,451,348
Total Revenue All Sources	\$28,792,379	\$18,996,382	\$20,225,38	\$4,623,515	\$12,900	\$61,400	\$72,711,960
Ending Balance	\$61,497,689	\$32,042,126	\$3,027,570	\$3,881,077	\$35,075	\$238,299	\$100,448,462
FY25 Projected Funds							
Total Revenue All Sources	\$70,990,120	\$6,587,500	\$17,556,200	\$1,444,000	\$80,000		\$96,657,82
Total Expenses	\$53,589,320	\$5,000,000	\$15,500,000				\$74,089,320

Water Quality Board funds and purpose

The Water Quality Board oversees the Clean Water State Revolving Fund (CWSRF). It provides low-interest loans and grants to any municipality or intermunicipal, interstate or state agency for the construction of publicly owned treatment works and associated engineering and planning. Disadvantaged communities that meet state affordability criteria can apply for a grant or principal forgiveness.

[Financial Assistance Programs: Water Quality | Utah Department of Environmental Quality](#)

Table 3 shows the status of funds for the Water Quality programs.

Table 3: Water Quality Board Funds

	Federal WQ SRF Fund 5255	WQ State Fund 5260	Federal Hardship Fund 5250	State Hardship Fund 5265	State Origination Fees Fund 5266	Fed Origination Fees Fund 5267	Total Water Quality
FY24 Actual Funds							
Beginning Balance	\$50,967,941	\$29,587,357	\$3,694,533	\$17,254,692	\$770,154	\$1,962,567	\$104,237,244
Total Revenue All Sources	\$18,719,838	\$11,833,395	\$965,691	\$3,175,597	\$336,700		\$35,031,221
Ending Balance	\$42,087,556	\$39,968,389	\$2,678,215	\$20,430,289	\$1,042,354	\$1,899,867	\$108,106,670
FY25 Projected Funds							
Total Revenue All Sources	\$ 39,199,841	\$6,184,279	\$1,149,706	\$3,155,658	\$14,700	\$438,290	\$50,170,974
Total Expenses	\$75,074,121	\$24,793,310	\$2,236,800	\$17,608,923	\$66,300	\$66,300	\$119,845,754

Utah Conservation Commission funds and purpose

The Utah Conservation Commission oversees the Agricultural Resources Development Loan (ARDL) and the Agricultural Optimization Grant Program. The ARDL program provides low-interest rate loans to agricultural producers, irrigation companies and water conservancy districts for various conservation projects. Loan applications for on-farm equipment projects and irrigation improvement projects are commonly received for this program. ARDL Loans can be used to match Water Optimization Grants.

[Agriculture Loan Programs | Utah Department of Agriculture and Food](#)

The Agriculture Water Optimization Grant Program provides grant funding to agricultural producers, irrigation companies and water conservancy districts for projects focusing on optimizing irrigation water management through the implementation of more efficient practices on agricultural fields and improvements to conveyance structures to minimize water loss.



Farm near Capitol Reef

[Water Optimization Program | Utah Department of Agriculture and Food](#)

Table 4 shows the status of funds for the Utah Conservation Commission programs.

Table 4: Utah Conservation Commission Funds

	Agriculture Resource Development Loan Fund 5460	Water Optimization Funds*	Total UDAF
FY24 Actual Funds			
Beginning Balance	\$12,510,7164	\$65,185,203	\$77,695,919
Total Revenue - All Sources	\$27,291,202	\$200,000,000	\$227,291,202
Total Expenses	\$9,979,519	\$22,076,496	\$32,056,015
Ending Balance	\$29,822,399	\$265,185,229	\$304,987,121
FY25 Projected Funds			
Total Revenue - All Sources	\$2,291,201		\$2,291,201
Total Expenses	\$10,062,855	\$36,007,000	\$46,069,855

*Includes account 1135, SLFRF ARPA appropriations and Resource Conservation Division appropriations.

Housing and Community Development Division boards and funds

The Housing and Community Development Division oversees four funds with respective boards that can finance water infrastructure development.

Permanent Community Impact Fund Board funds and purpose

The Permanent Community Impact Fund Board (CIB) works to maximize the long-term benefit of funds from mineral lease revenues and bonus payments, with priority given to those communities designated as impacted by the development of natural resources covered by the Mineral Leasing Act. Political Subdivisions, as defined in state statute, may apply for this funding.

[Permanent Community Impact Fund Board | Utah Department of Workforce Services](#)

Community Development Block Grant Policy Board funds and purpose

The Community Development Block Grant (CDBG) program is a federally funded national program that grants federal funds to assist with community development in primarily



Colorado River

moderate to low-income areas. The funds are allocated formulaically to eligible entities, including the state of Utah, based entirely on the spending authorized in the federal budget. The state, through the Housing and Community Development Division, and the CDBG Policy Committee, in turn, grants the funds to eligible entities that are primarily in rural areas of the state.

[Community Development Block Grant Policy Board | Utah Department of Workforce Services](#)

Navajo Revitalization Fund Board funds and purpose

The Navajo Revitalization Fund Board provides financial assistance within the Navajo lands in the form of loans or grants (historically only grants). At each board meeting, the division provides regular fund balance status reports that include the amount each Utah Navajo Chapter has available to allocate for projects. The board regularly coordinates with the Utah Navajo Trust Fund Board and jointly funds most projects.

[Navajo Revitalization Fund Board | Utah Department of Workforce Services](#)

Uintah Basin Revitalization Fund Board funds and purpose

The Uintah Basin Revitalization Fund (UBRF) Board provides financial assistance in the form of loans or grants (historically only grants) to the Ute Tribe as well as Uintah and Duchesne Counties. At each board meeting, the division provides regular fund balance status reports that include the amount each entity has available to allocate for projects.

[Uintah Basin Revitalization Fund Board | Utah Department of Workforce Services](#)

Table 5 shows the status of funds for the Housing and Community Development boards.

Table 5: Housing and Community Development Division Funds

	CIB Mineral Lease Funds Fund 5285*	CIB Bonus Funds Fund 5290	CDBG	NRF Fund 2115	UBRF Fund 2135
FY24 Actual Funds					
Beginning Balance Available Funds	\$29,835,441	\$19,268,311	\$4,670,829	\$3,533,301	\$15,465,921
Revenues	\$58,295,816	\$37,919,246	\$6,807,147	\$1,161,083	\$9,294,209
Obligated Funds	\$(73,121,979)	\$(42,013,000)	\$(10,077,679)	\$(1,159,795)	\$(7,651,114)
Administrative Expenses	\$(469,088)		\$(335,565)	\$(66,813)	\$(51,520)
Ending Balance	\$14,540,190	\$15,174,557	\$1,064,732	\$3,467,777	\$17,057,496
FY25 Projected Funds					
Beginning Balance Available Funds	\$14,540,190	\$15,174,557	\$1,064,732	\$3,467,777	\$17,057,496
Revenues	\$64,014,350	\$39,597,771	\$5,501,208	\$1,370,721	\$8,936,999
Obligated Funds	\$(78,000,000)	\$(54,000,000)	\$(5,236,172)	\$(1,500,000)	\$(8,000,000)
Administrative Expenses	\$(550,000)	\$(400,000)	\$(350,000)	\$(74,000)	\$(52,400)
Ending Balance	\$4,539	\$372,328	\$979,769	\$3,264,498	\$17,942,095

*Mineral Lease Deposits are monthly; amount varies.

Discussion on consolidation of funds

The five relevant agencies compiled all information on their current boards and funding sources. It was determined that federal funds cannot be consolidated or tied to the prioritization process.

Table 6 summarizes each board and funding that could be tied to the process as well as recommended consolidations.

Table 6: Consolidation of Funds Discussion

Entity overseeing funds	Federal or state funds	Type of water infrastructure funded	Loan, grant or both	Recommended accounts/funds to be tied to the prioritization and planning process and any consolidation
Water Development Coordinating Council	State	All types	Both	The new Water Infrastructure Fund is tied to the prioritization and planning process.
Board of Water Resources	State	Irrigation, drinking water, dams, flood control and large regional projects	Mainly loans	The Cities Water Loan Fund should be consolidated and tied to the process. A portion of the Conservation and Development Fund could be tied to the statewide process and consolidated, based on a yearly analysis by the board.
Drinking Water Board	Federal and state	Drinking water: publicly or privately owned systems	Both	A portion of the State Drinking Water State Revolving Fund could be tied to the statewide process and consolidated based on a yearly analysis by the board.
Water Quality Board	Federal and state	Water quality, wastewater and stormwater	Both	A portion of the State Wastewater Loan Fund could be tied to the statewide process and consolidated, based on a yearly analysis by the board.
Utah Conservation Commission	State	On-farm water conservation and conveyance; irrigation system improvements	Both	No funds should be consolidated or included in the prioritization process.
Housing and Development Division boards	Federal and state	Wide variety of public and community projects.	Both	No funds should be consolidated or included in the prioritization process.

Process framework

Utah has a long history of planning and funding transportation projects of all sizes. This has been accomplished through the Utah Unified Transportation Plan. While water infrastructure is different, the state can use the transportation model as a reference when creating a long-term plan for prioritizing the water infrastructure needs and determining the level of state funding necessary.

The five relevant agencies developed the following guiding principles and processes for the UWIP and the WIF. The guiding principles include:

- Promote growth of the Water Infrastructure Fund by providing revolving loan funds, except for those that are collected by a fee, which could be grants
- Proactively plan for water infrastructure needs
- Protect and provide funding for rural parts of the state
- Respond timely to emergencies
- Allow flexibility for award (ready to proceed, prioritization score)
- Maintain good relationships and remain a partner with state financial institutions
- Keep it simple

Unified Water Infrastructure Plan process

Every four years, the WDCC will update the UWIP. It will forecast the water infrastructure projects needed and help proactively plan for the state funding required. The five relevant agencies will each develop an annual agency plan. The WDCC will prioritize project lists based on those submitted by the five relevant funding agencies and organize them into 10-year phases, for up to at least a 20-year plan. Figure 5 shows the key points of the UWIP process.

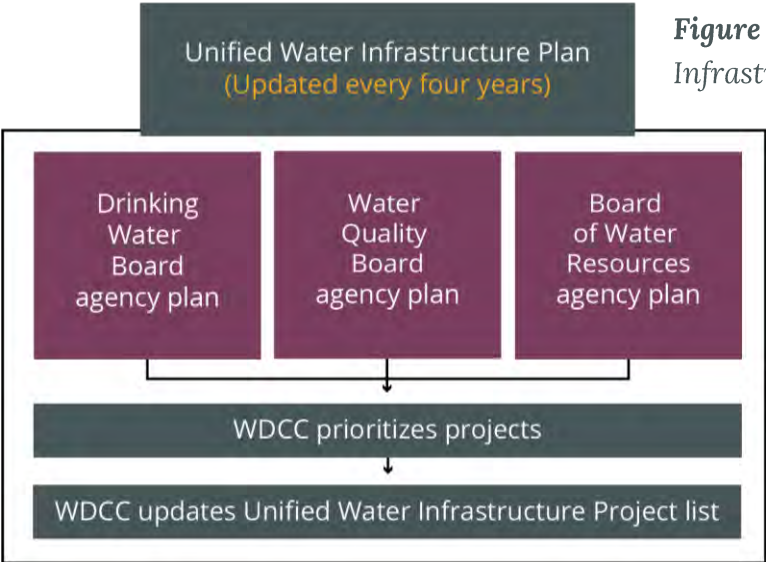


Figure 5: Four-Year Unified Water Infrastructure Plan Components

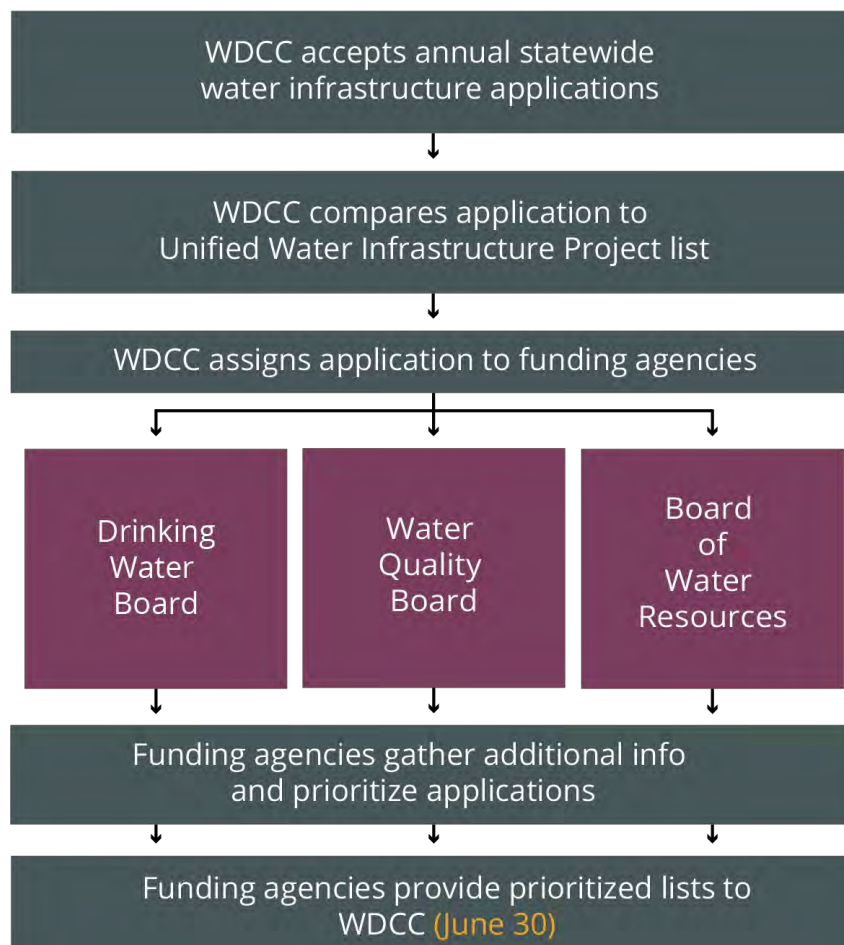
Annual application process

Each year, the WDCC will open an application period for applicants seeking state funding for water projects. Once the application period closes, the WDCC will review and distribute the applications to each funding board based on the following categories:

- Drinking water (Drinking Water Board)
- Wastewater (Water Quality Board)
- Stormwater (Water Quality Board)
- Secondary water (Board of Water Resources)
- Dams (Board of Water Resources)
- Agriculture off-farm (Board of Water Resources)

Each board will rank and prioritize the projects and include their prioritized lists in their annual plans that are submitted to the WDCC annually by June 30th. The WDCC will then utilize these lists when updating the UWIP. Figure 6 shows the annual application and prioritization process.

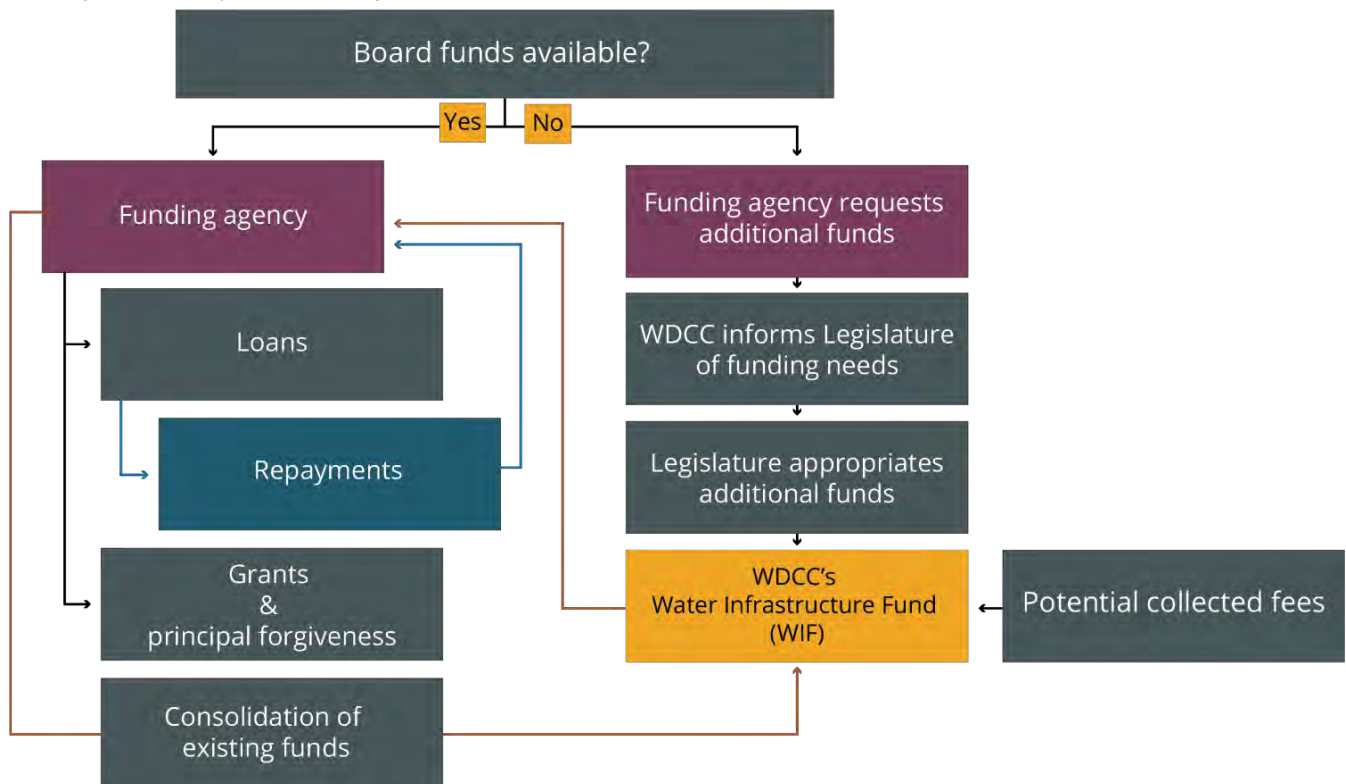
Figure 6: Annual Application and Prioritization Process



Project funding process

The gaps in funding will then be reported to the Legislature on an annual basis. If additional funding becomes available (either through an annual consolidation and/or additional appropriated funds), the remaining ranked and prioritized project applications will be used to determine which projects will receive funds. Figure 7 details a flow chart of the process.

Figure 7: Project Funding Process



Recommendations

To achieve the outlined framework (Figures 4–6), five recommendations would need to be pursued. These include legislative changes to allow for the following:

1. Additional state investment to fund water infrastructure projects
2. Technical assistance grants for small water suppliers and wastewater utilities
3. Statute changes to allow funds to be transferred between accounts
4. Statute modifications to relevant agencies
5. Alignment of implementation time

1. Additional state investment to fund water infrastructure projects

To renew, upgrade, replace and develop new water infrastructure, a new program of investment will be needed, including investments of state funds. A study will be completed next year to identify and evaluate alternatives and mechanisms for establishing new revenue sources needed to address the gaps in overall water infrastructure funding. The legislature could also use the WIF as a working, rainy day fund and appropriate additional money to the WIF.

2. Technical assistance for small water suppliers and wastewater entities

Many small, and particularly rural water suppliers and wastewater utilities do not have the capacity nor resources to develop the capital asset plans necessary to properly plan for their water infrastructure needs. This often leads to emergency water infrastructure projects. These water suppliers and wastewater utilities would benefit from technical assistance grants to help them proactively develop and impose these capital asset plans.

3. Statute changes to allow funds to be transferred between accounts

The Board of Water Resources will need changes to [Utah Code 73-10-22](#) through [73-10-30](#) to allow transfers from the Cities Water Loan Fund and Conservation and Development Fund or to consolidate funds from these two revolving funds into the WIF.

Modifications to [Utah Code 73-10c](#) and [73-10g](#) will be necessary in order to allow the Drinking Water Board and Water Quality Board to consolidate state funds to the WIF. The Drinking Water Board will require the authority to transfer funds from the Drinking Water Security – Drinking Water Loan Program Subaccount to the WIF. The Water Quality Board will require the authority to transfer funds from the Water Quality Security – Utah Wastewater Loan Program Subaccount to the WIF.

4. Statute modifications to relevant agencies

The commissioner (or designee) of the Department of Agriculture and Food is an important member of the WDCC and should remain a member. However, the ARDL fund itself supports a variety of agriculturally focused projects that are not related to water infrastructure, and the Agricultural Water Optimization Grant Program does not currently have any ongoing funding source. Additionally, projecting long-term need for the on-farm

agricultural projects funded by both sources poses a challenge. It is recommended that the Department of Agriculture and Food be removed as a funding agency.

The director (or designee) of the Housing and Community Development Division is an important member of the council and should remain a member. However, the CIB Board funds a broad spectrum of projects. During FY24, project disbursements included health and public safety, sewer, water, transportation, buildings, plans and studies, recreation and communications. Water and sewer projects comprised only approximately 20% of the FY24 distributions. The other division funds mentioned above are similar: funding water infrastructure is not their primary purpose. The CDBG requires community input that has both federal regulations and state rules that would be difficult to reconcile with consolidation. The NRF and UBRF are both required to have independent boards for case-by-case evaluation. It is recommended that the Housing and Community Development Division also be removed as a funding agency.

5. Alignment of implementation time

To ensure a smooth transition, it is recommended that this process framework be aligned with the prioritization process beginning in fiscal year 2027. This will allow the WDCC and five relevant agencies to complete the necessary studies and implement changes to existing processes.

Conclusion

The state has effective mechanisms in place to assist water providers with funding necessary water infrastructure projects, but future needs far outweigh available funds. Increased coordination and improved processes directed by the WDCC will help ensure that state money is used for projects in alignment with state and local plans and priorities. Therefore, the WDCC makes the following recommendations:

- Make no changes to the council makeup
- Additional state investment to fund water infrastructure projects
- Grants for technical assistance for small water suppliers and wastewater utilities
- Modify specified statutes to allow either consolidation or transfers to and from the WIF from existing state board funds and subaccounts
- Remove the “relevant agency” designation for the Department of Agriculture and Food and Housing and Community Development Division
- Align process framework with prioritization process to begin in fiscal year 2027

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Aqueduct construction work in Weber Basin

CONFERENCES

2025 CONFERENCES

CONFERENCE:	DATES	LOCATION
RURAL WATER ASSOCIATION OF UTAH	February 24 – 28	Dixie Center St. George, UT
UTAH WATER USERS ASSOCIATION	March 17 - 19	Dixie Center St. George, UT
WEAU	April 22 – 25	Dixie Center St. George, UT
UGFOA	April 1 – 3	Dixie Center St. George, UT
GFOA	June 29 – July 2	Walter E Washington Convention Center, Washington, DC
NATIONAL AWWA	June 8 – 11	Colorado Convention Center, Denver, CO
WEFTEC	September 27 – Oct 1	McCormick Place, Chicago, IL
INTERMOUNTAIN SECTION AWWA	September 29 – Oct 2	Uintah Conference Center, Vernal, UT
CASELLE	August 26 – 27	Salt Lake Palace Convention Center, Salt Lake City UT
APWA CONFERENCE	Late September	Mountain America Expo Center, Sandy, UT
UASD	November 5 – 7	Davis Conference Center, Layton, UT

