



BOARD OF DIRECTORS REGULAR MEETING STUDY SESSION AGENDA

Thursday, April 11, 2024 at 3:00 PM

66575 Second St, Desert Hot Springs, CA AND/OR Via Teleconference

NOTICE IS HEREBY GIVEN THAT THE BOARD OF DIRECTORS OF MISSION SPRINGS WATER DISTRICT WILL HOLD ITS REGULAR MEETING(S) ON THE DATE LISTED ABOVE. THE BOARD WILL MEET IN PERSON AT
66575 SECOND STREET, DESERT HOT SPRINGS.

THE PUBLIC IS PERMITTED TO ATTEND THIS MEETING IN PERSON OR VIRTUALLY USING THE ZOOM LINK BELOW.

JOIN ZOOM MEETING:

<https://us02web.zoom.us/j/8220655340?from=addon>

DIAL BY PHONE:

+1 (408) 638-0968

Meeting ID: 822 065 5340

ACTION MAY BE TAKEN ON ANY ITEM LISTED ON THIS AGENDA

1. CALL TO ORDER
2. ROLL CALL
3. ANNOUNCEMENT AND VERIFICATION OF REMOTE MEETING PARTICIPATION PURSUANT TO AB 2449 OR GC 54953(b)

CLOSED SESSION

4. CONFERENCE WITH LEGAL COUNSEL REGARDING PENDING LITIGATION
pursuant to Government Code Section 54956.9(d)(1)
One Case: Mission Springs Water District vs. Desert Water Agency et al. D081984
Riverside County Super. Ct. No. PSC1600676
5. CONFERENCE WITH LEGAL COUNSEL REGARDING POTENTIAL INITIATION OF LITIGATION -
Pursuant to Government Code Section 54956.9(d)(4) One potential case.

REGULAR SESSION

6. REPORT ON ACTION TAKEN DURING CLOSED SESSION

7. RULES OF PROCEDURE**8. PUBLIC INPUT**

*This is the opportunity for members of the public to address the Board on matters within the Board's jurisdiction. **Please limit comments to three (3) minutes or less.** State law prohibits the Board from discussing or taking action on any item not listed on the agenda.*

EMPLOYEE RECOGNITION**9. HUMAN RESOURCES REPORT****ACTION ITEMS****10. PUBLIC HEARING (MONDAY, 4/15/2024) ~ RESOLUTION 2024-06 ~ TO COLLECT SEWER FEES ON TAX ROLL**

It is recommended that Resolution 2024-06 be adopted, electing to collect sewer user fees on the tax roll under California Health and Safety Code §5470 et. seq.

11. RECEIVE AND FILE THE MISSION CREEK SUBBASIN ANNUAL REPORT FOR WATER YEAR 2022-2023

It is recommended to receive and file the Mission Creek Subbasin Annual Report for Water Year 2022-2023 prepared for the Coachella Valley Water District, Desert Water Agency, and Mission Springs Water District by WSP USA Environmental & Infrastructure Inc.

12. AUTHORIZATION FOR PURCHASE OF EQUIPMENT FOR THE NANCY WRIGHT REGIONAL WATER RECLAMATION FACILITY AND AUGMENTATION OF THE CAPITAL BUDGET

It is recommended to authorize the General Manager to approve the purchase of equipment for the Nancy Wright Regional Water Reclamation Facility for a not to exceed amount of \$331,966.22 and augment the capital budget to accommodate this expenditure.

13. ADOPT RESOLUTION 2024-07 AND RECLASSIFY THE GOVERNMENT AND PUBLIC AFFAIRS MANAGER POSITION

It is recommended to adopt Resolution 2024-07 amending the Employee Classification Plan for FY 2023-24 with the reclassification of the Public Affairs Manager position.

14. AWARD OF CONTRACT TO AECOM FOR ASSESSMENT DISTRICT NO. 18, AREA D-3 SANITARY SEWER DESIGN SERVICES

It is recommended to authorize the General Manager to negotiate and execute a contract with AECOM Technical Services, Inc. (AECOM) for repackaging of the plans and specifications for the AD-18 Area D-3 Sewer Construction Project for a total amount not to exceed \$51,834.

15. AWARD OF ON-CALL GENERAL ENGINEERING SERVICES CONTRACT AMENDMENT NO. 1 FOR THE PREPARATION OF A WATER SUPPLY ASSESSMENT AND WATER SUPPLY VERIFICATION FOR PROJECT VIENTO DEVELOPMENT

It is recommended to authorize the General Manager to execute a contract amendment with TKE Engineering, Inc. for the preparation of a Water Supply Assessment and Water Supply Verification for the Viento Development Project in the amount of \$21,040.00.

16. AWARD OF CONTRACT TO CANYON SPRINGS ENTERPRISES FOR THE WELL 22 REHABILITATION AND CAPITAL BUDGET AUGMENTATION

It is recommended to authorize the General Manager to award a contract for the Well 22 Rehabilitation Project to Canyon Springs Enterprises, the lowest responsible bidder, in the amount of \$1,333,916.00, plus a 10% contingency (total \$1,467,307.60), augment the capital improvement budget amount to \$2,240,000 for Job No. 11611, and to do all things necessary to complete the project.

17. AWARD OF CONTRACT TO MWH CONSTRUCTORS, INC. FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR WELL 22 REHABILITATION

It is recommended to authorize the General Manager to execute a contract agreement with MWH Constructors for an amount not to exceed \$189,573 for construction management and inspection services for the Well 22 Rehabilitation.

18. AWARD CONTRACT AMENDMENT #3 TO WEST YOST FOR HORTON PHASE I NITROGEN CONTROL STRATEGY IMPLEMENTATION

It is recommended that West Yost be awarded contract amendment #3 to implement Phase I of the work plan described in the Horton WWTP Nitrogen Control Strategy Technical Report approved by the Colorado River Regional Water Quality Control Board in September 2023. This will increase the contract amount to \$84,700.00, from \$181,306.00 to a new total of \$266,006.00.

19. AWARD OF PROFESSIONAL SERVICES AGREEMENT FOR GEOVIEWER SOFTWARE SUBSCRIPTION AND SUPPORT SERVICES FOR THE MISSION SPRINGS WATER DISTRICT TO NOBEL SYSTEMS

It is recommended to authorize the General Manager to execute a three-year contract for GeoViewer Software Subscription and Support Services for the Mission Springs Water District in the amount of \$63,129.00 to Nobel Systems and authorize the General Manager to do all things necessary to complete the project.

20. DISCUSS RIVERSIDE LOCAL AGENCY FORMATION COMMISSION (LAFCO) ELECTION OF TWO POSITIONS

It is recommended to consider the nominees for two Riverside Local Agency Formation Commission (LAFCO) positions up for election and have the Board President cast a vote for a Regular Special District Member from the Eastern Region of the County and an Alternate Special District Member Countywide.

DISCUSSION ITEMS

21. NANCY WRIGHT REGIONAL WATER RECLAMATION FACILITY UPDATE

22. CRITICAL SERVICES CENTER AND ADMINISTRATIVE BUILDING UPDATE

CONSENT AGENDA

Consent agenda items are expected to be routine and non-controversial, to be acted upon by the Board at one time, without discussion. If a member would like an item to be handled separately, it will be removed from the Consent Agenda for separate action.

23. APPROVAL OF MINUTES

It is recommended to approve the minutes as follows:

March 6, 2024 - Special Meeting Workshop

March 14, 2024 - Study Session

March 18, 2024 - Board Meeting

24. REGISTER OF DEMANDS

The register of demands totaling \$4,337,139.49

REPORTS**25. DIRECTOR'S REPORTS****26. GENERAL MANAGER'S REPORT**

Included in this report are the following oral reports:

A. Finance Report

B. Public Affairs Report

COMMENTS**27. DISTRICT COUNSEL COMMENTS****28. DIRECTOR COMMENTS AND REQUESTS FOR FUTURE AGENDA ITEMS**

A. Director General Comments

B. Director Requests for Future Agenda Items

29. ADJOURN

If you need special assistance to participate in this meeting, please contact the Executive Assistant at (760) 660-4403 at least 48 working hours prior to the meeting.

ANY DISCLOSABLE PUBLIC RECORDS RELATED TO AN OPEN SESSION ITEM ON A REGULAR MEETING AGENDA AND DISTRIBUTED BY MISSION SPRINGS WATER DISTRICT TO ALL OR A MAJORITY OF THE BOARD OF DIRECTORS LESS THAN 72 HOURS PRIOR TO THAT MEETING ARE AVAILABLE FOR PUBLIC INSPECTION AT THE DISTRICT OFFICE, 66575 SECOND STREET, DESERT HOT SPRINGS, CALIFORNIA DURING NORMAL BUSINESS HOURS AND MAY ALSO BE AVAILABLE ON THE DISTRICT'S WEBSITE AT WWW.MSWD.ORG/MEETINGS. NOTE: THE PROCEEDINGS MAY BE AUDIO AND VIDEO RECORDED.

CERTIFICATION OF POSTING

I certify that on or before April 8, 2024, a copy of the foregoing notice was posted near the regular meeting place of the Mission Springs Water District Board of Directors at least 72 hours before the meeting (Government Code Section 54954.2).



Dori Petee
Executive Assistant

AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETINGS

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ORIANA HOFFERT-HUMAN
RESOURCES MANAGER



HUMAN RESOURCES REPORT

PERSONNEL ACTIVITY FOR THE PERIOD MARCH 1-31, 2024

NEW HIRES

ANNIVERSARIES

Julio Martinez	Field Operations Technician II	1 Year
Adam Wagner	Water Production Operator I	2 Years
Lisa Pelton	Customer Service Rep II	21 Years

PROMOTIONS

Amanda Lucas	Administrative Assistant II to Contract Analyst
Marion Champion	Government & Public Affairs Manager to Assistant General Manager

CERTIFICATIONS/EDUCATIONAL ACCOMPLISHMENTS

None

AGENDA STAFF REPORT



MEETING NAME: REGULAR BOARD MEETING(S)

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ARTURO CEJA – DIRECTOR OF FINANCE

FOR: ACTION X DIRECTION _____ INFORMATION _____

PUBLIC HEARING RESOLUTION 2024-06 – TO COLLECT SEWER FEES ON TAX ROLL

STAFF RECOMMENDATION

Adopt Resolution 2024-06, electing to collect sewer user fees on the tax rolls under California Health and Safety Code Section 5470 et. seq.

SUMMARY

The Board, staff and the 2015 Citizens Advisory Committee discussed collecting sewer fees on the tax rolls as a way to most effectively collect these charges. **THIS DOES NOT CHANGE ANY SEWER RATES, MERELY THE WAY THE DISTRICT COLLECTS THEM.**

ANALYSIS

The sewer charges for approximately 9,200 accounts (residential only) are proposed to be added to the annual property tax rolls and collected from the County of Riverside along with the property taxes. These charges will be received by the District from the County annually in January and May.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

As much as \$80,000 of labor that is currently used to deal with and collect delinquent accounts will be more effectively allocated to other priorities of the District. This action is consistent with Strategic Plan Smart Goal 3.2-Control costs and manage debt responsibly.

FINANCIAL DATA		
Cost Associated with this action:	Savings \$80,000	
Current FY cost:	\$0	
Future FY cost:	\$0	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	NA	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	Operating	
BID/Job#	N/A	
Current BID/Job balance	N/A	
Balance remaining if approved:	N/A	

ATTACHMENTS

- Resolution 2024-06
- Exhibit A
- Public Hearing Notice

RESOLUTION NO. 2024-06

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
MISSION SPRINGS WATER DISTRICT ADOPTING THE REPORT
OF THE ANNUAL SEWER USER FEES AND DIRECTING THE
SECRETARY OF THE DISTRICT TO FILE SAID REPORT WITH
THE RIVERSIDE COUNTY AUDITOR AND REQUEST THE
AUDITOR PLACE THE FISCAL YEAR 2024-2025
SEWER USER FEES ON THE TAX ROLL**

THE BOARD OF DIRECTORS of the Mission Springs Water District hereby finds and declares as follows:

WHEREAS, a report (the "Report"), a copy of which is available in the District office has been filed with the Secretary of the District describing each parcel of real property subject to the Sewer User Fees and amount of the Sewer User Fees to be imposed thereon for Fiscal Year 2024-2025; and

WHEREAS, the Secretary of the District has caused notice of the filing of the Report proposing to have such charges for the forthcoming fiscal year collected on the tax roll and of the time and the date of hearing to consider such Report to be published in the newspaper in accordance with California Health and Safety Code section 5473.1; and

WHEREAS, the Secretary of the District has caused notice of the filing of the Report proposing to have such charges for the forthcoming fiscal year collected on the tax roll and of the time and the date of hearing to consider such Report to be mailed in accordance with California Health and Safety Code section 5473.1; and

WHEREAS, the Board of Directors has heard and considered all objections and protests to the Report and has determined and hereby finds that protests have not been made by the owners of a majority of the separate parcels or property described in the Report; and

WHEREAS, the District has determined to adopt the Report and collect the User Fees, any delinquent User Fees and any penalties on the tax roll, which User Fees shall constitute a lien against the parcel or parcels of land described in the Report, all in accordance with California Health and Safety Code Sections 5470 *et seq.*;

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF
THE MISSION SPRINGS WATER DISTRICT AS FOLLOWS:**

Section 1. The Board of Directors hereby finds and determines that the Recitals are true and correct and are incorporated herein.

Section 2. The Board of Directors of the District hereby adopts the Report. On or before the 30th day of June 2024, the Secretary is hereby directed to file a copy of the Report with the Riverside County Auditor, together with a statement endorsed thereon over his/her signature that the Report has been adopted by the Board of Directors and shall request that the User Fees be collected on the tax bills for the taxable parcels in the District identified in the Report. Such User Fees shall be collected at the same time and in the same manner and by the same persons as, together with and not separately from, the general taxes for the District, and shall be delinquent at the same time and thereafter be subject to the same delinquency penalties which shall be levied on and collected from the owners of said parcels as permitted by Health and Safety Code Section 5473.7.

ADOPTED this ___ day of April 2024, by the following vote:

- Ayes:
- Noes:
- Abstain:
- Absent

Ivan Sewell
 President of Mission Springs Water District
 and its Board of Directors

ATTEST:

Brian Macy
 Secretary of Mission Springs Water District
 and its Board of Directors

TAX YEAR	APN	CUSTNO	AS	USER	SEWER RATE	EDU	SEWER	TAX	PROP_TAX
2024	6672900682	26-000212-18	A	101	H	1.00	601.92	42.13	644.05
2024	6672900693	26-100021-18	A	101	H	1.00	601.92	42.13	644.05
2024	6672900703	26-100028-10	A	101	H	1.00	601.92	42.13	644.05
2024	6672900714	26-100016-12	A	101	H	1.00	601.92	42.13	644.05
2024	6672900725	26-000213-11	A	101	H	1.00	601.92	42.13	644.05
2024	6672900736	26-100014-10	A	101	H	1.00	601.92	42.13	644.05
2024	6672900747	26-100048-12	A	101	H	1.00	601.92	42.13	644.05
2024	6672900758	26-000214-13	A	101	H	1.00	601.92	42.13	644.05
2024	6672900769	26-000758-11	A	101	H	1.00	601.92	42.13	644.05
TOTAL							6,380,371.68	378,182.54	6,758,554.22
9166 records listed									

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Template:Legal 2 Column Full
March 29, 2024
Palm Springs Desert Sun:
April 5, 2024
Palm Springs Desert Sun:

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Order Number:LYRK0077175
External Number:9986485
Order Status:Approved
Creation Date:3/20/24 4:32 PM
Last Modified:3/20/24 4:34 PM
By:1252892

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AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETING

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: BRIAN MACY – GENERAL MANAGER

FOR: ACTION ____ DIRECTION ____ INFORMATION X



RECEIVE AND FILE THE MISSION CREEK SUBBASIN ANNUAL REPORT FOR WATER YEAR 2022-2023

STAFF RECOMMENDATION

Receive and file the Mission Creek Subbasin Annual Report for Water Year 2022-2023 prepared for the Coachella Valley Water District, Desert Water Agency, and Mission Springs Water District by WSP USA Environmental & Infrastructure Inc.

SUMMARY

Under the direction and guidance of Coachella Valley Water District, Desert Water Agency, and Mission Springs Water District, WSP USA Environment & Infrastructure Inc. has prepared this Mission Creek Subbasin Annual Report for Water Year (WY) 2022-2023 (Annual Report) in accordance with the annual reporting requirements of the Sustainable Groundwater Management Act. This Annual Report summarizes groundwater conditions and the implementation status of projects and management actions in the Mission Creek Subbasin for WY 2022-2023 (October 1, 2022 to September 30, 2023).

ANALYSIS

A comparison of the Mission Creek Subbasin inflows and outflows for WY 2022-2023 indicates an annual decrease in groundwater storage of 341 acre-feet (AF). Mission Creek Subbasin inflows included 6,850 AF of natural inflows, 4,495 AF of return flow from use, and 5,276 AF from artificial recharge of State Water Project Exchange Water at the Mission Creek Groundwater Replenishment Facility. The total inflow to the Mission Creek Subbasin in WY 2022-2023 was 16,621 AF. The Mission Creek Subbasin outflows included 13,489 AF of groundwater pumping and 3,473 AF of natural outflows. The total outflow from the Mission Creek Subbasin in WY 2022-2023 was 16,962 AF.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

WSP USA Environmental & Infrastructure Inc. is contracted with CVWD. MSWD and DWA are invoiced by CVWD for WSP USA Environmental & Infrastructure Inc. costs. This action is consistent with Strategic Plan Smart Goal 2.1-Ensure excellence in regulatory compliance.

ATTACHMENT

Mission Creek Subbasin Annual Report for the Water Year 2022 - 2023

FINANCIAL DATA		
Cost Associated with this action:	\$0.00	
Current FY cost:	\$28,145	
Future FY cost:	\$0.00	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	NA	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	201-Water	
BID/Job#	823-Contr. Ser.	
Current BID/Job balance	\$61,885	
Balance remaining if approved:	\$61,885	

Mission Creek Subbasin Annual Report for the Water Year 2022 - 2023

Prepared for Coachella Valley Water District, Desert Water Agency, and Mission Springs Water District

February 2024



Mission Creek Subbasin Annual Report for Water Year 2022-2023

February 29, 2024

For Submittal to:

**California Department of Water Resources
in Accordance with
the Sustainable Groundwater Management Act**

Prepared for:

**Coachella Valley Water District
Desert Water Agency
Mission Springs Water District**

Prepared by:

**WSP USA Environment & Infrastructure Inc.
3560 Hyland Ave, Suite 100
Costa Mesa, California 92626**

SIGNATURES

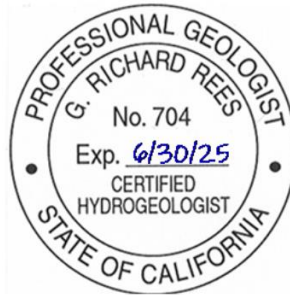
PREPARED BY



Jeremy Zeveh
Technical Professional - Geology



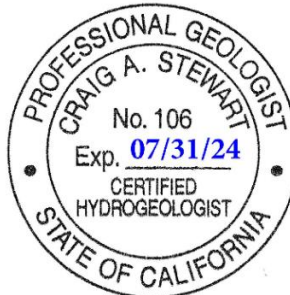
G. Richard Rees, PG #6612, CHG #704
Principal Hydrogeologist



APPROVED¹ BY:



Craig Stewart, PG #4087, CHG #106, CEG #1277
Principal Hydrogeologist



This report was prepared by the staff of WSP USA Environment & Infrastructure Inc. under the supervision of the Engineer(s) and/or Geologist(s) whose seal(s) and signature(s) appear hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.

¹ Approval of this document is an administrative function indicating readiness for release and does not impart legal liability on to the Approver for any technical content contained herein. Technical accuracy and fit-for-purpose of this content is obtained through the review process. The Approver shall ensure the applicable review process has occurred prior to signing the document.

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Acronyms, Abbreviations, and Glossary

Acronym	Definition
AB	Assembly Bill
AD	Assessment District
AF	Acre-Feet
AFY	Acre-Feet per Year
AOB	Area of Benefit
BCM	Basin Characterization Model
Bgs	Below ground surface
CASGEM	California Statewide Groundwater Elevation Monitoring Program
CDFM	Cumulative Deviation from the Mean
CDWR	California Department of Water Resources
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
COC	Constituent of Concern
CRA	Colorado River Aqueduct
CVCC	Coachella Valley Conservation Commission
CVMC	Coachella Valley Mountains Conservancy
CVRWVG	Coachella Valley Regional Water Management Group
CVWD	Coachella Valley Water District
CV-SNMP	Coachella Valley – Salt and Nutrient Management Program
CV-RUWMP	Coachella Valley Regional Urban Water Management Plan
CWA	Coachella Water Authority
DCA	Delta Conveyance Design and Construction Authority
DCP	Delta Conveyance Project
DEH	Department of Environmental Health
DHSB	Desert Hot Springs Subbasin
DHS	Desert Hot Springs
DMM	Demand Management Measures
DWA	Desert Water Agency
EIR	Environmental Impact Report
ET	Evapotranspiration
Ft	Feet
GAMA	Groundwater Ambient Monitoring and Assessment
GPS	Global Positioning System
GRF	Groundwater Replenishment Facility
GRP	Groundwater Replenishment Program
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GQPP	Groundwater Quality Protection Program
I-Bank	California Infrastructure and Economic Development Bank
InSAR	Interferometric Synthetic Aperture Radar



Acronym	Definition
IWA	Indio Water Authority
MC-GH WMP	Mission Creek-Garnet Hill Water Management Plan
MCL	Maximum Contaminant Level
Mgd	million gallons per day
mg/L	milligrams per liter
MNM	Monitoring Network Module
MOU	Memorandum of Understanding
Msl	mean sea level
MSWD	Mission Springs Water District
MWD	Metropolitan Water District of Southern California
MWH	MWH Americas, Inc. now Stantec
NAVD88	North American Vertical Datum of 1988
NGVD29	National Geodetic Vertical Datum of 1929
NOAA	National Oceanic and Atmospheric Administration
pCi/L	picocuries per liter
PFAS	Per- and Polyfluoroalkyl Substances
PRISM	Parameter-elevation Relationships on Independent Slopes Model
PMA's	Project and Management Actions
QSA	Quantification Settlement Agreement
RAC	Replenishment Assessment Charge
RCDEH	Riverside County Department of Environmental Health
RCDWR	Riverside County Department of Waste Resources
RCFCWCD	Riverside County Flood Control and Water Conservation District
RWRF	Regional Water Reclamation Facility
RWQCB	California Regional Water Quality Control Board, Colorado River Region
ROA	Result Oriented Activities
SB	Senate Bill
SGMA	Sustainable Groundwater Management Act
SMCL	Secondary Maximum Contaminant Level
SNMP	Salt and Nutrient Management Plan
SWP	State Water Project
SWR	Storm Water Resources
SWRCB	State Water Resources Control Board
SWRCB-DDW	State Water Resources Control Board – Division of Drinking Water
TDS	Total Dissolved Solids
TDS/N	Total Dissolved Solids/ Nitrogen (nitrogen occurring primarily as nitrate in groundwater)
TSS	Technical Support Services
USBR	United States Bureau of Reclamation



Acronym	Definition
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UWMP	Urban Water Management Plan
VOC	volatile organic compound
WIFIA	Water Infrastructure Finance and Innovation Act
WIIN	Water Infrastructure Improvements for the Nation
WMP	Water Management Plan
Wood	Wood Environment & Infrastructure Solutions, Inc.
WSCP	Water Shortage Contingency Plans
WSP	WSP Environment & Infrastructure Inc.
WVWRF	West Valley Water Reclamation Facility
WY	Water Year



Executive Summary

On behalf of the Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) (collectively the Agencies), WSP USA Environment & Infrastructure Inc. (WSP) has prepared this Mission Creek Subbasin Annual Report for Water Year (WY) 2022-2023 (Annual Report) in accordance with the annual reporting requirements of the Sustainable Groundwater Management Act (SGMA). The California Department of Water Resources (CDWR) designated the Mission Creek Subbasin as Basin No. 7-21.02 (CDWR, 2003). This Annual Report summarizes groundwater conditions and the implementation status of projects and management actions in the Mission Creek Subbasin (also referred to as the Subbasin) for WY 2022-2023 (October 1, 2022 to September 30, 2023). This executive summary is organized by headings that parallel those in the body of the report.

ES.1 Background

The Coachella Valley Groundwater Basin has been divided into four separate subbasins by the CDWR; these include the Indio, Mission Creek, San Geronio Pass, and Desert Hot Springs Subbasins. The Indio,¹ Mission Creek, and San Geronio Pass Subbasins have been designated medium-priority subbasins under the SGMA and the Desert Hot Springs Subbasin has been designated a very-low-priority subbasin.

On December 29, 2016, the Agencies collaboratively submitted the 2013 Mission Creek-Garnet Hill Water Management Plan (2013 MC-GH WMP [MWH, 2013]) and a bridge document (Stantec, 2016; 2016 Bridge Document) to the CDWR. Together, those documents described how the 2013 MC-GH WMP and supporting documents met the requirements of the SGMA and thus could be considered an Alternative to a Groundwater Sustainability Plan (Alternative Plan) under the SGMA. The 2013 MC-GH WMP, 2016 Bridge Document, and supporting documents were provided to the CDWR for review and evaluation as the Mission Creek Subbasin Alternative Plan. On July 17, 2019, the CDWR approved the Alternative Plan, finding it functionally equivalent to a Groundwater Sustainability Plan (GSP).

The Agencies initiated the five-year update, also known as a periodic evaluation, to the Mission Creek Subbasin Alternative Plan in 2019 and completed the five-year update entitled, "Mission Creek Subbasin Alternative Plan Update" (2022 Alternative Plan Update; [Wood² and Kennedy Jenks, 2021]) in November 2021. The 2022 Alternative Plan Update was submitted to the CDWR in December 2021.

In accordance with the SGMA GSP Emergency Regulations (CDWR, 2016), annual reports are to be submitted to the CDWR by April 1 of each year following adoption of a GSP, or in this case, following submission of an Alternative Plan to the CDWR. This Annual Report contains a discussion of the Coachella Valley Groundwater Basin in general followed by sections describing each of the Annual Report elements for the Mission Creek Subbasin required by the SGMA.

ES.2 Coachella Valley Groundwater Basin and Subbasins

The Coachella Valley Groundwater Basin extends approximately 45 miles southeast from the San Bernardino Mountains to the northern shore of the Salton Sea. Cities within the Coachella Valley include

¹ The Indio Subbasin is also identified as the Whitewater River Subbasin by the United States Geological Survey, 1980. However, the subbasin is identified as the Indio Subbasin in CDWR Bulletin 108 (1964) and Bulletin 118 (2003). For continuity, this Annual Report will identify the subbasin as the Indio Subbasin.

² WSP Global Inc. acquired Wood Environment & Infrastructure Solutions, Inc. (Wood) in September 2022.

Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, Rancho Mirage, and the unincorporated communities of Thousand Palms, Thermal, Bermuda Dunes, Oasis, and Mecca. The Coachella Valley is bordered by the San Jacinto and Santa Rosa Mountains on the southwest, the San Bernardino Mountains on the northwest, the Little San Bernardino Mountains and the Mecca Hills on the northeast, and the Salton Sea on the southeast. The Coachella Valley lies within the northwesterly portion of California's Colorado Desert, an extension of the Sonoran Desert. The San Bernardino, San Jacinto, and Santa Rosa Mountains impede the eastward movement of storms and create a rain shadow, which results in an arid climate and greatly reduces the contribution of direct precipitation as a source of recharge to groundwater in the Coachella Valley.

Although there is interflow of groundwater throughout the Coachella Valley Groundwater Basin, fault barriers, constrictions in the groundwater basin profile, and areas of low permeability limit and control movement of groundwater. Based on these factors, the groundwater basin has been divided into subbasins including the Indio, Mission Creek, Desert Hot Springs, and San Geronio Pass Subbasins. The subbasins are defined without regard to water quantity or quality. They delineate areas underlain by formations which readily yield stored groundwater through water wells and offer natural reservoirs for the regulation of water supplies. The Mission Creek Subbasin has a groundwater storage capacity of 2.6 million acre-feet (AF) (CDWR, 1964).



View northwest near intersection of Banning Fault and Mountain View Avenue. Mesquite hummocks in left foreground and San Bernardino Mountains in background.

The Mission Creek Subbasin extends from the active river channels of the upper reaches of the Whitewater River in the Coachella Valley southeast through the western portion of the Indio Hills and terminates approximately three miles north of the community of Bermuda Dunes. Much of the Mission Creek Subbasin is undeveloped and supports sparse desert vegetation. The City of Desert Hot Springs and the community of North Palm Springs (an unincorporated area not associated with the City of Palm Springs) are located in the central part of the Mission Creek Subbasin. The City of Palm Springs also extends into the Mission Creek Subbasin. Individual homes and smaller communities are scattered across the northwestern region and other portions of the Mission Creek Subbasin. The portions of the Indio Hills within the Mission Creek Subbasin are undeveloped.

Average high temperatures exceed 100 degrees Fahrenheit (°F) in the months of June, July, August, and September. Based on National Oceanic and Atmospheric Administration (NOAA) records from 1991 to 2020, average high temperatures in May and October are in the low to mid 90s°F and average high temperatures in the months of November through April range from 69°F to 87°F. Average low temperatures range from 46°F in December to 80°F in August.



Figure ES-1 provides a summary of precipitation at the Desert Hot Springs precipitation station located approximately 1 mile north of the northern boundary of the Mission Creek Subbasin. The figure shows the variability in precipitation over time with wet and dry cycles of precipitation indicated by the upward and downward slope of the plot. The plot shows a relatively flat cumulative deviation from the mean since WY 2016-2017, indicating generally average precipitation for the period of WY 2016-2017 to WY 2021-2022. Less than average precipitation in WY 2020-2021 (2.1 inches) and WY 2021-2022 (3.33 inches) resulted in a slight downward trend. The annual precipitation total for WY 2022-2023 was 8.05 inches, which is greater than the mean annual precipitation of 5.1 inches.



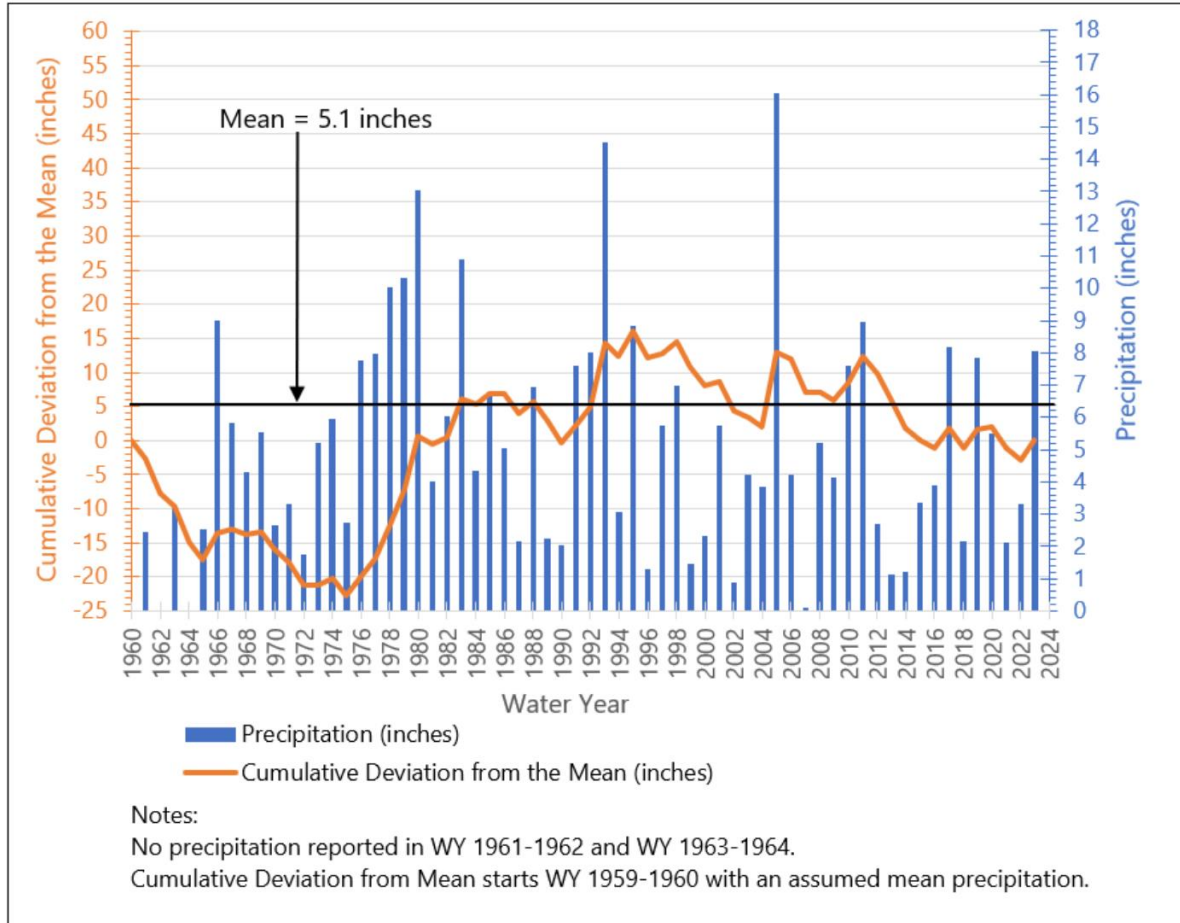
View west with flow in Mission Creek near northwest corner of the Mission Creek Groundwater Recharge Facility.

The Mission Creek Subbasin is bounded by relatively impermeable bedrock of the San Bernardino Mountains and Little San Bernardino Mountains to the west/northwest and north/northeast, respectively.

The Mission Creek fault separates the Mission Creek Subbasin from the Desert Hot Springs Subbasin to the northeast, while the Banning fault separates the Mission Creek Subbasin from the Garnet Hill Subarea of the Indio Subbasin to the south. Southeast of the Garnet Hill Subarea where the Garnet Hill fault appears to terminate into the Indio Hills, the Banning fault separates the southeastern portion of the Mission Creek Subbasin from the Indio Subbasin.

Groundwater within the Mission Creek Subbasin and adjacent subbasins is stored in unconsolidated alluvial sediments, which extend to a depth as great as 3,000 feet below ground surface (bgs) and are underlain by semi-consolidated and semi-permeable sediments (GCI, 1979). These alluvial sediments comprise the only aquifer identified in the Mission Creek Subbasin. Faults bounding the Mission Creek Subbasin are partial barriers to groundwater flow, resulting in groundwater elevation differences across the faults. Because these faults are only partial barriers to groundwater flow, steep hydraulic gradients across the faults result in subsurface outflow from the Mission Creek Subbasin to the Garnet Hill Subarea of the Indio Subbasin, and subsurface inflow from the Desert Hot Springs Subbasin into the Mission Creek Subbasin.

Figure ES-1
Annual Precipitation and Cumulative Deviation from the Mean, Desert Hot Springs



The primary inflows to the Mission Creek Subbasin include infiltration of natural runoff in the creeks and washes fed by highland precipitation, subsurface mountain front recharge, and subsurface inflow from the Desert Hot Springs Subbasin. Precipitation on the valley floor is a relatively minor source of infiltration due to the arid climate. Additional sources of recharge include wastewater percolation, septic tank percolation, and return flow infiltration from water applied for municipal, agricultural, recreational (such as golf course irrigation), and industrial uses.³ When available, a significant source of recharge to the Mission Creek Subbasin is artificial recharge of imported water that is infiltrated at the Mission Creek Groundwater Replenishment Facility (Mission Creek GRF), located in the northwestern part of the Mission Creek Subbasin.

The primary outflow of groundwater from the Mission Creek Subbasin is through groundwater production for urban, agricultural, and industrial uses. The Agencies produce groundwater in the Mission Creek

³ In this report, the category "urban use" includes municipal and recreational uses unless those uses are identified separately.

Subbasin for delivery to their customers in the Mission Creek Subbasin and in the adjacent Desert Hot Springs Subbasin. In WY 2022-2023, some production from the Mission Creek Subbasin was delivered to customers in the adjacent Garnet Hill Subarea of the Indio Subbasin. Private wells that supply water for golf course irrigation, agricultural, and industrial use are metered to assess replenishment assessment charges to cover the costs of importing water and replenishing the basin. Additionally, there are private wells located in the Mission Creek Subbasin that, due to low levels of use, are not required to report their well production to CVWD or DWA, and some of these wells may produce groundwater on a regular basis. Other outflows of groundwater from the Mission Creek Subbasin include evapotranspiration from plants with deep roots that draw water at or near the groundwater surface (phreatophytes) in shallow groundwater areas and previously mentioned subsurface outflow to the Indio Subbasin including the Garnet Hill Subarea.

ES.3 Groundwater Elevation and Monitoring Wells

The 2022 Alternative Plan Update established nine Key Wells for monitoring of groundwater levels in the Mission Creek Subbasin. **Table ES-1** identifies the Key Wells and the rationale for the selection of these wells. In addition to monitoring groundwater levels in the nine Key Wells for SGMA compliance, CVWD, DWA, and MSWD monitor groundwater levels in 15 additional wells in the Mission Creek Subbasin. Groundwater level data from nine of these wells were used to supplement the data from the Key Wells for contouring of groundwater elevations and changes in storage.

Table ES-1
Key Wells in the Mission Creek Subbasin - WY 2022-2023

State Well Number	Local Name	Map Name	Rationale for Selection as a Key Well
02S04E23N002S	Well No. 30	23N02	Long monitoring history. Northern portion of the northwestern Subbasin
02S04E28J001S	Well No. 35	28J01	Spatial coverage of the northwestern Subbasin
02S04E36D001S	Well No. 22	36D01	Long monitoring history. North central portion of the Subbasin
02S04E36K001S	Well No. 29	36K01	Long monitoring history. North central portion of the Subbasin
03S04E04P001S	PW2	4P01	Spatial coverage of the south portion of the northwestern Subbasin
03S04E11L004S	Well No. 31	11L04	South central part of the main Subbasin
03S04E12C001S	Well 3405	12C01	Long monitoring history. Near the center of the main Subbasin
03S05E15R001S	15R01	15R01	Southern end of the main Subbasin
03S05E17J001S	17J01	17J01	Long monitoring history. South central part of the main Subbasin



As of January 2022, the SGMA Portal Monitoring Network Module (MNM) replaced the California Statewide Groundwater Elevation Monitoring (CASGEM) program as the database for the SGMA groundwater well data and water level data. Data upload to CASGEM is no longer required for subbasins reporting to the SGMA Portal MNM. Key Well data were migrated or uploaded to the MNM. New water level data are uploaded to the MNM each year. For compliance with the SGMA, the well reference point elevations and ground surface elevations were converted from National Geodetic Vertical Datum of 1929 (NGVD29) to North American Vertical Datum of 1988 (NAVD88) using the software program VDatum, published by the National Oceanic and Atmospheric Administration (NOAA).⁴ The Agencies plan to resurvey all of the Key Wells relative to NAVD88 prior to the end of WY 2023-2024. The groundwater elevations presented in this Annual Report represent the single aquifer identified as the Mission Creek Subbasin. Average groundwater levels for the water year (rather than groundwater levels from seasonal measurements) are presented because groundwater levels in the Mission Creek Subbasin do not exhibit strong seasonal trends. Significant groundwater level fluctuations, however, are observed near the Mission Creek GRF as groundwater levels respond directly to replenishment water deliveries and have varied by more than 100 feet during periods of high replenishment. Groundwater levels also vary due to groundwater extraction near North Palm Springs. The remainder of the Mission Creek Subbasin typically experiences very little seasonal variation in groundwater levels.



View northwest from Skyline Drive in the Desert Hot Springs Subbasin across the northwestern portion of the Mission Creek Subbasin, with older alluvium incised by the Mission Creek in the mid-background.

Hydrographs of the Key Wells indicate that groundwater levels throughout the Mission Creek Subbasin have either increased, stabilized, or remained relatively constant since the commencement of the Groundwater Replenishment Program (GRP). The GRP, combined with other water management elements, including water conservation, is helping to control groundwater overdraft and maintain sustainable groundwater levels within the Mission Creek Subbasin.

ES.4 Groundwater Extraction

During WY 2022-2023, 13,489 AF of groundwater were extracted from 24 metered wells and minimal pumpers⁵ in the Mission Creek Subbasin. Because CVWD and DWA are authorized to collect replenishment assessment charges from groundwater producers, their respective legislations mandate the installation of water volume measuring devices on the wells of well owners that produce more than 25 acre-feet per year (AFY) in CVWD's service area and more than 10 AFY in DWA's service area. Approximately 90 percent of groundwater produced in the Mission Creek Subbasin is produced for urban

⁴ <https://vdatum.noaa.gov/about/currentevents.html>

⁵ Minimal pumpers are groundwater pumpers who are not required to report production to CVWD (<25 AFY) or DWA (<10 AFY). As reported in the 2022 Alternative Plan Update, the amount of unmetered private well pumping in the Mission Creek Subbasin was estimated at approximately 480 AFY. This estimate agrees with previous estimates of approximately 500 AFY. Given the uncertainty in estimating this pumping, it is rounded to 500 AFY for WY 2022-2023.



water use, and the remaining approximately 10 percent of groundwater is produced for agricultural or industrial purposes or is unmetered with unknown use.

ES.5 Surface Water Use

Precipitation in the Mission Creek Subbasin during WY 2022-2023 was estimated based on three precipitation stations within or near the Mission Creek Subbasin. Recorded precipitation included 6.05 inches (Edom Hill station), 8.05 inches (Desert Hot Springs station), and 30.86 inches (Whitewater North station). The 8.05 inches of recorded precipitation at the Desert Hot Springs station in WY 2022-2023 is greater than the 63-year (water year) mean of 5.1 inches at that station (data from the Desert Hot Springs station are used for long-term comparisons because it has a substantially longer period of record than other stations in the area).

Mission Creek is the only surface water body in the Mission Creek Subbasin that has been equipped with a stream gauge. There is no direct use of this stream flow or any other stream flow in the Mission Creek Subbasin. In WY 2022-2023, the stream gauge recorded 1,158 AF of stream flow through August 19, 2023. On August 20, 2023, the stream gauge was damaged by flooding resulting from Tropical Storm Hilary and no additional measurements of Mission Creek stream flow are available for the remainder of the water year. Because the period of measurement ended during a flood event, the actual Mission Creek stream flow for WY 2022 – 2023 was greater than the measured total by an unknown but likely significant amount.

In addition to natural replenishment from precipitation and stream flow, the Mission Creek Subbasin receives artificial replenishment from imported water. CVWD and DWA have contracts with the CDWR for State Water Project (SWP) water that is exchanged with the Metropolitan Water District of Southern California (MWD) for a like amount of Colorado River water from MWD's Colorado River Aqueduct (SWP Exchange Water). CVWD and DWA have a combined Table A amount of 194,100 AFY, which includes 100,000 AFY transfer from MWD under the Agreement for Exchange and Advance Delivery of Water. This imported water has been used to recharge the Mission Creek Subbasin at the Mission Creek GRF since 2002. For WY 2022-2023, 5,276 AF of SWP Exchange Water was delivered to the Mission Creek GRF and recharged to the Mission Creek Subbasin.

There is no recycled water use in the Mission Creek Subbasin. However, the municipal wastewater generated in the Mission Creek Subbasin is treated and disposed of within the Mission Creek Subbasin by percolation/evaporation. In WY 2022-2023, a total of 2,254 AF of wastewater was treated, all of which was disposed by percolation/evaporation.

ES.6 Total Water Use

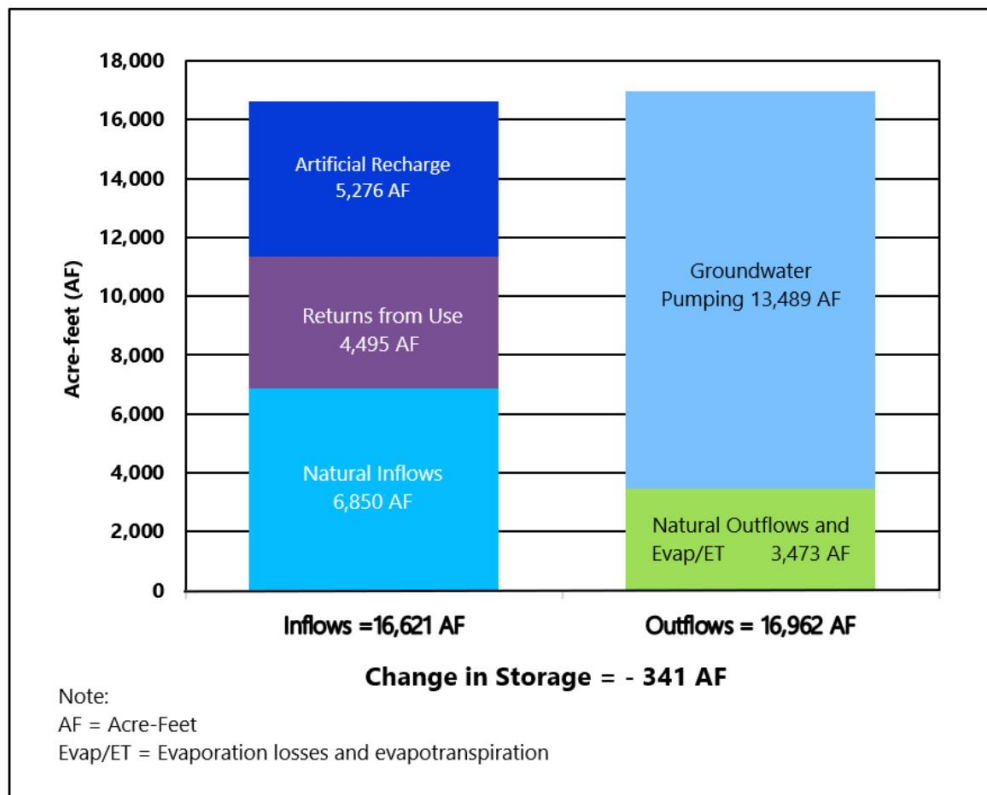
Total water use for this Annual Report is direct use of water in the Mission Creek Subbasin. Local surface water is not used in the Mission Creek Subbasin and SWP Exchange Water is only used to replenish the aquifer. Wastewater is not currently recycled for direct use, but a portion percolates as return flow. Groundwater production within the Mission Creek Subbasin amounted to 13,489 AF in WY 2022-2023. A combined 6,194 AF of groundwater was exported from the Mission Creek Subbasin. Exports included 6,146 AF of groundwater to the Desert Hot Springs Subbasin by CVWD and MSWD to meet demands. An additional 48 AF of groundwater was exported to the Garnet Hill Subarea of the Indio Subbasin by MSWD to partially meet demands in the Indio Subbasin. Accounting for these exports, the total direct use for WY 2022-2023 in the Mission Creek Subbasin was 7,295 AF.



ES.7 Groundwater Balance and Change in Groundwater Storage

A groundwater balance for the Mission Creek Subbasin is a budget comparing inflows of groundwater into the Mission Creek Subbasin against outflows of groundwater out of the Mission Creek Subbasin during a specified period (typically one year). The difference between inflows and outflows for a given period is defined as the change in storage for that period. The groundwater balance for WY 2022-2023 is summarized on **Figure ES-2**.

Figure ES-2
Annual Groundwater Balance in the Mission Creek Subbasin - WY 2022-2023



The procedure for estimating natural recharge resulting from runoff and subsurface recharge at the mountain front, referred to as mountain front recharge, was modified for the WY 2020-2021 Annual Report and subsequent annual reports. In previous Annual Reports, mountain front recharge was based on a long-term average of mountain front recharge calculated using results from a groundwater model (Psomas, 2013). For the WY 2020-2021, WY 2021-2022, and this Annual Report, mountain front recharge was estimated using the updated groundwater model for the Mission Creek Subbasin as documented in the 2022 Alternative Plan Update. The 25-year period from 1995 through 2019 was used to derive an average natural recharge for use in the groundwater balance. In addition, this Annual Report uses the updated groundwater model to estimate evapotranspiration and underflow into and out of the Mission Creek Subbasin from adjacent subbasins based on the most recent year modeled (2019). Data from 2019



were used as estimates for evapotranspiration and outflow water balance components for this Annual Report because they are considered more representative of current conditions than long-term averages.

As shown on **Figure ES-2**, Mission Creek Subbasin inflows included 6,850 AF of natural inflows (e.g., mountain front recharge, infiltration of surface water, and subsurface inflow from other basins), 4,495 AF of return flow from use (e.g., return from urban/ agriculture applications, percolation from septic tanks and wastewater treatment facilities), and 5,276 AF from artificial recharge of SWP Exchange Water at the Mission Creek GRF. The total inflow to the Mission Creek Subbasin in WY 2022-2023 was 16,621 AF.

The Mission Creek Subbasin outflows included 13,489 AF of groundwater pumping and 3,473 AF of natural outflows (i.e., subsurface outflow to adjacent subbasins, evapotranspiration, and evaporative losses). The total outflow from the Mission Creek Subbasin in WY 2022-2023 was 16,962 AF. A comparison of the Mission Creek Subbasin inflows and outflows for WY 2022-2023 indicates an annual decrease in groundwater storage of 341 AF.

Based on the nine Key Wells and nine supplemental agency monitoring wells with water level data from both WY 2021-2022 and WY 2022-2023, change in water levels ranged from 0.1 feet of increase in the southeastern part of the Subbasin to 10.1 feet of decrease immediately south of the Mission Creek GRF. Decline in groundwater levels near the Mission Creek GRF, ranging from 8.7 to 10.1 feet, appears to result from the decrease in recharge at the Mission Creek GRF since WY 2017-2018. The most recent groundwater levels near the Mission Creek GRF show a rebound of approximately 18 feet between July and October 2023, attributed to recharge to Mission Creek GRF beginning in April and continuing into August 2023. Excluding the area near the Mission Creek GRF and the area showing a slight increase in the southeastern part of the Mission Creek Subbasin, average annual groundwater levels decreased slightly. Generally, water levels indicated declines ranging from 0.1 to 2.6 feet from the previous water year. Overall, average annual groundwater levels in the Mission Creek Subbasin in WY 2022-2023 show a slight average decrease of approximately 2.2 feet compared to WY 2021-2022 levels.

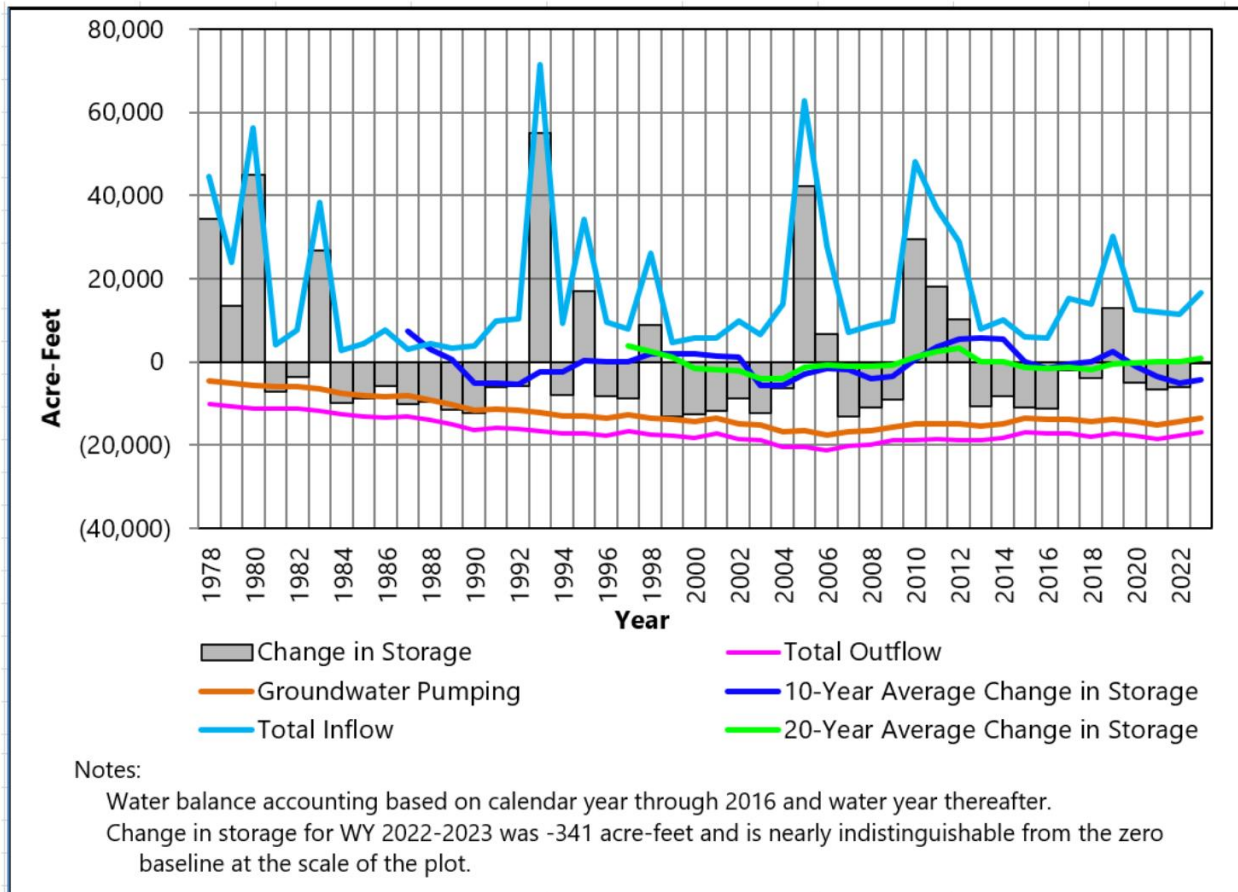
Beginning with the WY 2021-2022 Annual Report, a 10-year change in groundwater levels was replaced with a change in groundwater levels since WY 2008-2009. This comparison of current water levels to WY 2008-2009 is directly relevant to the SGMA sustainable management criteria described in Section 8. The change in groundwater levels observed in the 14 wells with groundwater level data in both WY 2008-2009 and WY 2022-2023 in the Mission Creek Subbasin ranged from approximately 19.4 feet of increase in the north-central part of the Subbasin, 36.8 feet of decrease in the Mission Creek GRF area of the Subbasin, and an overall average increase of 4.9 feet across the Mission Creek Subbasin. Eliminating the localized declines near the Mission Creek GRF that result from temporarily elevated water levels resulting from artificial recharge in 2005 and 2006, the average increase in groundwater levels since WY 2008-2009 in the remaining 12 wells across the Mission Creek Subbasin is approximately 10.7 feet. The increase in groundwater levels through much of the Mission Creek Subbasin has resulted from a reduction in groundwater pumping and from groundwater replenishment that began in 2002.

Figure ES-3 shows annual inflows, outflows, groundwater production, and 10-year and 20-year running average changes in groundwater storage in the Mission Creek Subbasin based on the updated Mission Creek Subbasin groundwater model water balance documented in the 2022 Alternative Plan Update and water balance information provided in the Mission Creek Subbasin annual reports starting in WY 2019-2020. The Mission Creek Subbasin inflows vary significantly from year to year due to the variability in



mountain front recharge and imported water replenishment deliveries. Replenishment activities vary annually in response to imported water availability. During the last five years (WY 2018-2019 through WY 2022-2023), replenishment ranged from approximately 0 AFY in WY 2021-2022 to 5,276 AFY in WY 2022-2023 and averaged approximately 2,433 AFY. Years of high inflows correspond to wet years and high mountain front recharge and/or when increased SWP deliveries occurred. Both the 10- and 20-year running average changes in groundwater storage have been relatively stable. In recent years, the trend in the 10-year average shows small declines in storage because this shorter-term view does not include years of higher-than-average inflow in the early 2010s. The longer-term 20-year running average shows that the Mission Creek Subbasin has been in balance (i.e., no appreciable net change in storage) since 2013 and in balance or slightly positive since 2006.

Figure ES-3
Historical Annual Change in Groundwater Storage in the Mission Creek Subbasin



ES.8 Sustainable Management Criteria

The SGMA defines sustainable groundwater management as the management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results. The Agencies recognize that establishing metrics to avoid undesirable results and



maintain sustainability is a valuable tool in groundwater management, and incorporated SGMA Sustainable Management Criteria into the 2022 Alternative Plan Update to guide water resources management in the Mission Creek Subbasin. The four Sustainability Indicators considered relevant to the Mission Creek Subbasin include: chronic lowering of groundwater levels, reduction of groundwater storage, degraded water quality, and land subsidence.

Chronic Lowering of Groundwater Levels

The Mission Creek Subbasin has met its sustainability objective for WY 2022-2023 groundwater levels. A review of WY 2022-2023 Key Well water levels and the sustainability criteria for chronic lowering of groundwater levels indicated that all the Key Wells were above the thresholds established for sustainability (i.e., the Minimum Threshold). All but one well was above the level established as the desired objective for maintaining groundwater levels (i.e., the Measurable Objective) at or above 2009 groundwater levels in the Mission Creek Subbasin. Well 03S04E04P001S (4P01) experienced the third year of decline in water levels below the Measurable Objective. This well fell below the Measurable Objective in WY 2020-2021 and WY 2021-2022 by 0.6 feet and 2.6 feet (based on the lowest water level measurement in this well during the water year). For WY 2022-2023, the lowest water level measurement was 5.4 feet below the Measurable Objective for Well 4P01. Water levels in this well remained above the Minimum Threshold. As described in the 2022 Alternative Plan Update, the Measurable Objective and Minimum Threshold for Well 4P01 are considered provisional because of limited historical groundwater level data for this well. Current and historical groundwater level data for this and other wells will be reviewed, and an adjustment for the provisional Measurable Objective and Minimum Threshold for this well will be considered in future 5-year Alternative Plan Updates or Annual Reports, if appropriate.

Reduction of Groundwater in Storage

The Mission Creek Subbasin has met its sustainability objective for groundwater storage for WY 2022-2023. Because the Mission Creek Subbasin consists of a single aquifer laterally and vertically, groundwater storage is directly related to groundwater levels for the Subbasin. The Measurable Objective (703.1 feet NAVD88)⁶ and Minimum Threshold (694.5 feet NAVD88) for groundwater storage are based on the average of the groundwater level Measurable Objectives and Minimum Thresholds for the nine Key Wells. The average water level in the Mission Creek Subbasin in WY 2022-2023 was 712.1 feet NGVD88, which is 9 feet above the Measurable Objective for groundwater storage and 17.6 feet above the Minimum Threshold for groundwater storage.

Land Subsidence

Neither land subsidence nor impacts to structures potentially caused by subsidence have been identified historically in the Mission Creek Subbasin. There are no indications that ground level subsidence occurred in the Mission Creek Subbasin in WY 2022-2023 and water levels remain above the level where subsidence may be considered a potential concern (i.e., groundwater level Minimum Thresholds). Geologic conditions of generally coarse-grained sediments and lack of thick, laterally extensive fine-grained sediments in the Mission Creek Subbasin aquifer reduce the likelihood of land subsidence. Although land subsidence has not been observed in the Mission Creek Subbasin, it can potentially result in significant and unreasonable conditions. Land subsidence is most likely to occur if groundwater levels

⁶ NAVD88 = North American Vertical Datum of 1988.



are lowered significantly below their historically low levels (i.e., under conditions of maximum reconsolidation stress). Consequently, Minimum Thresholds for groundwater levels in the Key Wells are used as a screening level for the potential of land subsidence. Groundwater levels are well above their Minimum Thresholds and, therefore, do not indicate a likely risk of land subsidence.

To further assess the potential presence of land subsidence in the Mission Creek Subbasin, ground-level displacement monitoring by the CDWR was reviewed for the full length of the approximately eight-year monitoring period available for this technology (June 2015 to October 2023) and the most recent annual record of vertical ground-level displacement (October 2022 to October 2023). With the exception of a localized area of ground level decline in the vicinity of the former Edom Hill Landfill from the settlement of the landfill, only a relatively small magnitude of downward vertical ground level change (up to a potential maximum of 0.1 feet) was observed. Based on this and a lack of a clear trend of increasing vertical downward displacement over the period of monitoring, permanent land subsidence attributed to groundwater withdrawal is not apparent in the Mission Creek Subbasin.

In addition to reviewing the CDWR information on subsidence in the Mission Creek Subbasin, the Agencies have engaged the United States Geological Survey (USGS) to study land subsidence in the Mission Creek Subbasin. The USGS initiated this study in 2021. In WY 2022-2023, three new benchmarks were constructed in the Mission Creek Subbasin and high-precision global positioning system (GPS) measurements were taken at the new benchmarks. The USGS continued to work on analyzing measurements and groundwater levels, with a final study report expected by June 30, 2025.

Degraded Water Quality

The Mission Creek Subbasin has met its sustainability objectives for water quality for WY 2022-2023. The 2022 Alternative Plan Update identified two constituents of concern (COCs) for water quality degradation based on historical water quality and the potential for future water quality degradation. These constituents include naturally occurring uranium and nitrate. The Minimum Thresholds for uranium and nitrate were set at the California drinking water maximum contaminant levels (MCLs) for drinking water supply wells established by the State Water Resources Control Board (SWRCB). A review of water quality data for water supply wells in the Mission Creek Subbasin did not identify any exceedances of the MCL for nitrate (ten wells were tested during the water year) or for uranium (four wells were tested during the water year). Uranium has not been detected above its MCL in active water supply wells in more than five years.

Total dissolved solids (TDS) were also identified as a potential COC. TDS is currently being evaluated through the update of the Coachella Valley Salt and Nutrient Management Plan (CV-SNMP). The CV-SNMP Agencies – which include CVWD, Coachella Water Authority (CWA)/Coachella Sanitary District, City of Palm Springs, DWA, Indio Water Authority (IWA), MSWD, Myoma Dunes Mutual Water Company, and Valley Sanitary District – prepared a workplan entitled "*Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan*" (Development Workplan, West Yost, 2021) that was submitted to the Colorado River Basin Regional Water Quality Control Board (RWQCB) in September 2021 and approved in October 2021. The Development Workplan outlines the steps and schedule to update the CV-SNMP, with scheduled completion by October 2026. The objective of the CV-SNMP is to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin in a manner that protects beneficial uses of groundwater. When completed, the update to the CV-SNMP will provide a basis for establishing Measurable Objectives and Minimum Thresholds for TDS within the Mission Creek Subbasin.



The Development Workplan was required to include a groundwater monitoring workplan with an enhanced monitoring network, identification of data gaps, and a plan to fill the gaps. The CV-SNMP Agencies submitted this workplan entitled “Groundwater Monitoring Program Workplan” (Groundwater Monitoring Workplan) to the RWQCB in December 2020 (West Yost, 2020), and the RWQCB approved this workplan in February 2021. The Groundwater Monitoring Workplan outlines an expanded groundwater monitoring program that will sufficiently determine whether concentrations of TDS and nitrogen (nitrogen occurring primarily as nitrate) (collectively TDS/N) in groundwater are consistent with water quality objectives. The CV-SNMP Agencies initiated work on the CV-SNMP Groundwater Monitoring Workplan in 2021. A general application for the California Department of Water Resources Technical Support Services (DWR TSS) program to construct wells to fill monitoring data gaps identified in the Groundwater Monitoring Workplan was approved. Well service request forms were submitted to the TSS program and approved for monitoring wells at several sites in the Mission Creek Subbasin. Agencies continue to coordinate with CDWR on finalizing program agreements and anticipate monitoring well construction to begin in 2024. The second progress report for the Groundwater Monitoring Workplan was submitted to the RWQCB in March 2023. In addition, the CV-SNMP Agencies’ consultant held the first Community Workshop on March 22, 2023, to kickoff the CV-SNMP update effort. The CV-SNMP Agencies’ consultant prepared the draft Technical Memorandum (TM), Task 1, Characterize TDS/N Mass Loading in the Coachella Valley Groundwater Basin (West Yost, 2023). The document was reviewed by the Technical Advisory Committee and issued for public comment in October 2023. The consultant has initiated work to characterize current groundwater quality and to prepare a TM summarizing this effort.

ES.9 Summary of Project and Management Actions and Description of Progress

Progress in achieving the sustainability goals described in the 2022 Alternative Plan Update for the Mission Creek Subbasin is summarized below for selected project and management actions (PMAs).

Water Conservation

- The Agencies continue to collaborate on regional conservation messaging through CV Water Counts (www.CVWaterCounts.com), originally funded with California Department of Water Resources (CDWR) Proposition 84 grant funding and currently sustained by local water agencies. The group has a web and social media presence in addition to an ongoing advertising campaign. The group also holds an annual Water Counts Academy to educate community members and leaders about key water issues. The Agencies continued education and outreach to encourage water use efficiency by urban water users, indoor and outdoor incentive programs, ordinances and conservation pricing, water loss management, and conservation staff support. In WY 2022-2023, Agencies invested drought penalty revenue into conservation, increased rebate incentives by creating turf conversion cost-share programs with three local cities, increased messaging regarding drought water efficiency, and awarded a contract to begin construction on a new demonstration garden.
- CVWD, DWA, and MSWD (along with Coachella Water Authority [CWA], Indio Water Authority [IWA], and Myoma Dunes Water Company) participated in preparing the 2020 Coachella Valley Regional Urban Water Management Plan (2020 CV-RUWMP) that was submitted to and approved by CDWR. The CV-RUWMP provides detailed descriptions of the Agencies’ water conservation programs and demonstrates that each agency achieved greater than 20 percent reduction in urban water use by 2020, in compliance with the Water Conservation Act of 2009 Senate Bill X7-7



(SB X7-7). The Agencies continue to implement demand management measures (DMMs) and will track the effectiveness of water conservation efforts during future updates of the 2020 CV-RUWMP.

- The 2020 CV-RUWMP that was recently completed and adopted includes standalone Water Shortage Contingency Plans (WSCPs) for each of the Agencies. The WSCPs contain Annual Water Supply and Demand Assessment procedures, define six standard shortage levels from less than 10 percent shortage up to greater than 50 percent shortage, and identify shortage response actions including demand reduction actions and mandatory use restrictions and supply augmentation as well as communication protocols for implementing the WSCPs. The Agencies rescinded implementing all Shortage Level 2 demand reduction actions and returned to Level 1. The Agencies continued monitoring water supplies and operational changes that could alleviate future water shortages.
- The Agencies have initiated planning and have a grant funding award to conduct a water conservation study specific to the unique climate, soil, and occupancy conditions of the Coachella Valley. The regional conservation study will take an econometric approach to estimating water savings for grass removal rebate programs and may be used to evaluate incentive amounts and seek grant funding. In 2022, the Agencies were awarded grant funding to complete the study through Proposition 1, Round 2. The study identified as the Regional Conservation Study is in progress with completion of the study anticipated in summer 2024.

Water Supply

- CVWD and DWA have the authority to operate imported water replenishment in the Coachella Valley. Imported water replenishment operations will deliver as much imported water to the Coachella Valley as possible, given the constraints of the SWP contracts and delivery and MWD Colorado River Aqueduct (CRA) operations. During WY 2022-2023, 5,276 AF of recharge occurred at the Mission Creek GRF.
- MSWD is working on planning, designing, and constructing tertiary treatment at MSWD's Regional Water Reclamation Facility (RWRF), where the recycled water can be used for groundwater recharge or for non-potable reuse for irrigation of parks, golf courses, schools, resorts, homeowners' associations, agricultural uses, etc. Using recycled water for non-potable uses would provide in-lieu groundwater replenishment by source substitution. MWSD continued construction of the RWRF with operations scheduled to begin in early 2024.
- CVWD and DWA continue to invest in long-term, statewide water projects. CVWD and DWA approved continuing participation in the Delta Conveyance Project (DCP). In 2022, CVWD's and DWA's Board of Directors authorized funding for planning and design costs for 2023 and 2024. The DCP will modernize SWP conveyance facilities in the Delta and increase future long-term supply reliability. The planning process for the proposed DCP is moving forward. In 2023, soil investigations, including data collection, soil samples and surveys, were underway in the Delta as part of the planning and design phase of the DCP. Also, the Delta Conveyance Design and Construction Authority (DCA) continued with community benefit programs and educational workshops. On December 8, 2023, the CDWR released the Final Environmental Impact Report (Final EIR) for the DCP to comply with the requirements of the California Environmental Quality Act (CEQA). CDWR approved the project and certified the Final EIR on December 21, 2023.



- CVWD and DWA are participating in the Lake Perris Seepage Recovery Project led by MWD. This project will collect and distribute SWP water seeping under the Lake Perris Dam for delivery to MWD in addition to its current allocated Table A water. The project consists of installing an integrated recovery well system that would include up to six new seepage recovery wells downgradient from the face of the Lake Perris Dam and a conveyance pipeline connecting the wells to MWD's Colorado River Aqueduct (CRA). CVWD and DWA were invited to partner in the project with MWD, and the parties signed an agreement with CDWR in 2021 to fund environmental analysis, planning, and preliminary design. The project is estimated to recover approximately 7,500 AFY, with approximately 2,750 AFY for delivery to CVWD and DWA, and a portion of this water will be allocated to the Mission Creek Subbasin. This project is estimated to deliver of 233 AFY of water to the Mission Creek GRF in 2025 increasing to approximately 268 AFY by 2045. The project is proceeding as planned, and the Draft Environmental Impact Report (EIR) was released in May 2021 for public comments. Currently, the CDWR is continuing to perform geotechnical modeling for the project.
- The Sites Project Authority is developing the Sites Reservoir Project to capture and store excess water from snowmelt and winter runoff from the Sacramento River for use during dry periods. The Sites Reservoir will be in the Sacramento Valley. The project is considered "off-stream," i.e., it will not dam or impede the Sacramento River or other streams. The Sites Reservoir will operate with other California reservoirs to increase water supply reliability and resiliency. In 2019, CVWD and DWA entered into an agreement with the Sites Project Authority for the next phase of planning for the Sites Reservoir (Sites Project Authority 2019; 2020). In 2022, CVWD's and DWA's Board of Directors authorized funding for Phase 2 Amendment 3 to the 2019 Sites Reservoir Project Agreement for 2022, 2023, and 2024. CVWD and DWA are participating members at 10,000 AFY (5.2%) and 6,500 AFY (3.4%) levels, respectively. Assuming a 30 percent conveyance loss, CVWD and DWA anticipate a total delivery of 11,550 AFY of Sites Reservoir water beginning in 2035. The portion of the Sites Reservoir Project estimated to be delivered to MCSB is 1,124 AFY beginning in 2035. In January 2023, the Sites Project Authority submitted an amended water rights application, and in May the State Water Board deemed the amended application sufficient to proceed with public notice. Also, in 2023, other permit applications and a Water Infrastructure Finance and Innovation Act (WIFIA) loan application were submitted. In November 2023, the Sites Project Authority, as the lead agency under the CEQA, certified the Final EIR and approved the project. The project was certified by Governor Newsom under Senate Bill 149.

Water Quality Protection

- MSWD's Groundwater Quality Protection Program (GQPP), a septic to sewer program, is ongoing and completion is subject to available funding. MSWD Assessment District (AD) 15 and AD-18 will support septic to sewer conversions by providing local funding to match with grant funding opportunities. MSWD has completed the conversion of septic to sewer in five previous ADs. MSWD plans to begin construction of the AD-15 project in 2024. Additionally, MSWD has begun design for the final two subareas in AD-18, Subareas A and G. Finally, MSWD was awarded grant funding to complete the construction of AD-18 Subarea D3 through Proposition 1, Round 2. MSWD plans to begin construction of the Subarea D3 project in 2024.

- In anticipation of meeting future treatment and recharge needs, MSWD began constructing the Regional Water Reclamation Facility (RWRF) in 2022. The RWRF will treat wastewater flows to secondary levels including nitrification and denitrification. Located in the Garnet Hill Subarea of the Indio Subbasin, the RWRF will divert some wastewater flows from existing wastewater treatment plants in the Mission Creek Subbasin, nearing their permitted capacity. The RWRF will start receiving flow in 2024 and is projected to reach 1.50 million gallons per day (mgd) treatment capacity by approximately 2030. Wastewater flows will be from existing sewer customers and from the septic to sewer conversions in the Desert Hot Springs Subbasin, the Mission Creek Subbasin, and the Garnet Hill Subarea of the Indio Subbasin.
- In WY 2022-2023, the Agencies commented on California's proposed hexavalent chromium regulation. Hexavalent chromium is naturally occurring at low levels in the Coachella Valley, but many wells will exceed the proposed California maximum contaminant level (MCL) for hexavalent chromium in drinking water of 10 micrograms per liter.
- The RWQCB approved the CV-SNMP Development Workplan in October 2021. The Development Workplan outlines the steps and schedule to update the CV-SNMP, with scheduled completion by October 2026. CVWD, DWA, and MSWD, along with the other CV-SNMP Agencies, began implementing the Development Workplan in 2022. The steps in the Development Workplan include conducting public outreach and creating a technical advisory committee, characterizing current groundwater quality and salt loading, developing TDS/N forecasting methodologies, completing forecasting for multiple scenarios, selecting a preferred scenario, establishing management zones, and recommending TDS objectives. During WY 2022-2023, the CV-SNMP Agencies initiated Development Workplan tasks to establish the CV-SNMP stakeholder group and Technical Advisory Committee (TAC). The Agencies established a project website (cvsnmp.com) and completed a Stakeholder Outreach and Engagement Plan. The TAC was established, and regular meetings were scheduled with RWQCB staff. Agencies completed work on Technical Memorandum (TM) #1 to characterize TDS/N loading to the groundwater basin. Work was initiated on TM#2 to characterize current groundwater quality. CVWD, on behalf of the CV-SNMP Agencies, contracted with USBR for a \$200,000 WaterSMART Applied Science grant to help develop the Mission Creek Subbasin fate and transport model. The Groundwater Monitoring Workplan was designed to gather data in support of the CV-SNMP and includes the installation of new monitoring wells in the Mission Creek Subbasin to address data gaps in the SNMP monitoring program. The new wells will be installed and sampled by December 31, 2026. The CV-SNMP Agencies submitted the second annual progress report and data to the RWQCB in March 2023 and continued monitoring of the network wells. The Agencies signed a data sharing memorandum of understanding (MOU) with the Agua Caliente Band of Cahuilla Indians to monitor three wells on Trust land. The final report of the first triennial monitoring cycle will be submitted by March 2024.
- MSWD plans to initiate a study in the near term to evaluate uranium's potential sources and migration risk. The study is also intended to evaluate whether the uranium source is associated with specific alluvial sediments so that future wells can be designed to avoid those sediments if necessary.

SGMA Implementation

- The Agencies have engaged the United States Geological Survey (USGS) to conduct a more detailed evaluation of the potential for subsidence in the Mission Creek Subbasin. The status of existing benchmarks in the Mission Creek Subbasin and the locations for three additional benchmarks were identified. In WY 2022-2023, three new benchmarks were constructed, and high precision global positioning system (GPS) measurements were taken at the new benchmarks. The USGS continued to work on analyzing measurements and groundwater levels with a final study report expected by June 30, 2025.
- The first 5-year Alternative Plan Update was completed in November 2021 and was submitted to the CDWR in December 2021. The next 5-year Alternative Plan Update is due to the CDWR on January 1, 2027. Future Alternative Plan Updates will evaluate groundwater conditions and the status of PMAs to determine whether the Sustainable Management Criteria and the project and management actions are meeting the sustainability goals of the Mission Creek Subbasin. In addition to meeting the SGMA requirements, the Agencies identified some other key areas requiring periodic review including evaluation of demand projections, imported water supply reliability, and update of the groundwater model and model forecasts.

Well Management

- The Agencies continue to work with Riverside County Department of Environmental Health (RCDEH) so that any new wells are constructed to current standards, artesian flow management policies are followed, and any existing wells that could be negatively impacting groundwater quality are retrofitted, properly capped, or destroyed. In WY 2022-2023, the Agencies continued to review permit applications for new wells and alteration of existing wells for compliance with the Governor's Executive Order N-3-23. This order requires verification from the Groundwater Sustainability Agency (GSA) that the proposed well location is generally consistent (not inconsistent) with the Alternative Plan Update and will not decrease the likelihood of achieving the sustainability goals that the GSAs have developed under the SGMA.
- The Agencies may develop a well inventory for the Mission Creek Subbasin that will identify and compile information about de minimis production wells located within the Subbasin. CVWD is evaluating this effort, with DWA participating at its discretion. The well inventory would involve the development of a well registry. The well inventory would support any expansion or refinement of the monitoring network, allow improvement of groundwater extraction estimates, and improve the understanding of how private wells may affect Mission Creek Subbasin conditions and how basin management may affect private wells in the future.
- CVWD and DWA may consider expansion of groundwater extraction reporting to include groundwater pumpers that produce less than the current assessment thresholds but more than the de minimis threshold of 2 AFY or less established by the SGMA. CVWD is evaluating this effort within its Groundwater Sustainability Agency (GSA) boundary; DWA may require reporting within their GSA boundary at their discretion.



Adaptive Management

- CVWD, DWA, and MSWD identified a management strategy in the 2022 Alternative Plan Update that continues the existing Mission Creek Subbasin Management Committee structure, consisting of quarterly meetings with the General Managers from each agency.
- The Agencies have developed an adaptive management approach that includes monitoring management progress towards maintaining sustainability and adjusting these management procedures as needed. The adaptive management process consists of the following steps: 1) Planning, 2) Implementation, 3) Monitoring, 4) Analysis, and 5) Modification.



Section 1 - Introduction

On behalf of the Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) (collectively the Agencies), WSP USA Environment & Infrastructure Inc. (WSP) has prepared this Mission Creek Subbasin Annual Report for Water Year (WY) 2022-2023 (Annual Report) in accordance with the annual reporting requirements of the Sustainable Groundwater Management Act (SGMA). This report summarizes groundwater conditions and the status of implementation of projects and management actions in the Mission Creek Subbasin (also referred to as the Subbasin) for WY 2022-2023 (October 1, 2022, to September 30, 2023).

1.1 Report Organization

Section 1 – Introduction, summarizes the report organization, background as related to the SGMA, and the approach the Agencies are taking to comply with the SGMA.

Section 2 – Coachella Valley Groundwater Basin Setting, provides an overview of the Coachella Valley Groundwater Basin, its component subbasins and subareas, and the regional geology of the Mission Creek Subbasin. In addition, this section provides information on the physiography, climate, geology, hydrogeologic conceptual model, and groundwater management of the Mission Creek Subbasin.

Section 3 – Groundwater Elevation Data, describes the sources of groundwater level data and provides a groundwater elevation contour map and hydrographs of groundwater levels over time.

Section 4 – Groundwater Extraction, summarizes groundwater extraction by volume, area, and water use sectors.

Section 5 – Surface Water, summarizes the various surface water and surface water-related components in the Mission Creek Subbasin, including precipitation, stream flow, imported water delivery for direct groundwater replenishment, and wastewater treatment and disposal during the water year. This section also includes a description of contracts with the California Department of Water Resources (CDWR) and Metropolitan Water District of Southern California (MWD) for access and availability of imported water for replenishment of the Mission Creek Subbasin.

Section 6 – Total Water Use, provides a summary of the total water use by water use sector and source.

Section 7 – Groundwater Balance and Change in Groundwater Storage, provides the estimated groundwater balance and change in storage for the Mission Creek Subbasin.

Section 8 – Sustainable Management Criteria, provides a summary of the Sustainable Management Criteria for groundwater levels, groundwater storage, subsidence, and groundwater quality identified in the Mission Creek Subbasin Alternative Plan Update (2022 Alternative Plan Update [Wood⁷ and Kennedy Jenks, 2021]), and compares the WY 2022-2023 conditions to these criteria.

Section 9 – Summary of Projects and Management Actions and Description of Progress, provides a summary of objectives met, and progress towards achieving the water management objectives outlined in the 2022 Alternative Plan Update.

Section 10 – References, provides references for this report.

⁷ WSP Global Inc. acquired Wood Environment & Infrastructure Solutions, Inc. (Wood) in September 2022.

1.2 Implementation of the Sustainable Groundwater Management Act

In 2014, faced with declining groundwater levels (most notably in California's Central Valley), the California Legislature enacted the SGMA, which was intended to provide a framework for the sustainable management of groundwater resources throughout California, primarily by local authorities. The SGMA consisted of three bills, Assembly Bill (AB) 1739 (Dickinson), Senate Bill (SB) 1168 (Pavley), and SB 1319 (Pavley), and was signed into law by Governor Brown on September 16, 2014.

The SGMA required local authorities to form local Groundwater Sustainability Agencies (GSAs) by June 30, 2017, to evaluate conditions in local groundwater basins and adopt locally-based Groundwater Sustainability Plans (GSPs) tailored to their regional economic and environmental needs. The SGMA allows a 20-year time frame for GSAs to implement their GSPs and achieve long-term groundwater sustainability. It protects existing water rights and does not affect current drought response measures. The SGMA provides local GSAs with tools and authority to:

- Monitor and manage groundwater levels and quality.
- Monitor and manage inelastic land subsidence and changes in surface water flow and surface water quality that directly affect groundwater levels or quality or are caused by groundwater extraction.
- Require registration of groundwater wells.
- Require reporting of annual groundwater extractions.
- Require reporting of surface water diversions to underground storage.
- Impose limits on extractions from individual wells.
- Assess fees to implement local GSPs or Alternative Plans.
- Request revisions of basin boundaries, including establishing new subbasins.

The CDWR developed the California Statewide Groundwater Elevation Monitoring (CASGEM) program to track seasonal and long-term trends in groundwater elevations in California's groundwater basins. Through its CASGEM program, the CDWR ranked the priority of all 515 groundwater basins and subbasins in California as very low, low, medium, or high.

In addition, the CDWR, as required by the SGMA, identified the basins and subbasins that are in conditions of critical overdraft. Twenty-one basins and subbasins in California were identified as critically overdrafted basins. None of the subbasins in the Coachella Valley Groundwater Basin (including the Mission Creek Subbasin) were listed as critically overdrafted.

The Coachella Valley Groundwater Basin has been divided into four (4) subbasins by the CDWR in California Bulletin 108 (1964) and Bulletin 118 (2003): they are the Indio, Mission Creek, San Gorgonio Pass, and Desert Hot Springs Subbasins. The Indio,⁸ Mission Creek, and San Gorgonio Pass Subbasins have been designated medium-priority subbasins under the SGMA, and the Desert Hot Springs Subbasin has been designated a very low-priority subbasin.

⁸ The Indio Subbasin is also identified as the Whitewater River Subbasin by the United States Geological Survey (USGS, 1980). However, the subbasin is identified as the Indio Subbasin in CDWR Bulletin 108 (1964) and Bulletin 118 (2003). For continuity, this Annual Report will identify the subbasin as the Indio Subbasin.

GSA's responsible for high-priority and medium-priority basins and subbasins were required to have adopted GSPs by January 31, 2020, for critically overdrafted basins, and by January 31, 2022, for those not currently in critical overdraft. GSA's may adopt a single GSP covering an entire basin or combine several GSPs created by multiple GSA's. Sustainability must be achieved within 20 years after the adoption of the GSP for all high-priority and medium-priority basins. GSA's that elect to submit an Alternative to a GSP (Alternative Plan), rather than prepare a GSP in accordance with Water Code §10727 et seq., were required to do so by January 1, 2017, with updates every five years thereafter. The State Water Resources Control Board (SWRCB) is empowered to intervene if local agencies fail to form GSA's or adopt their GSPs or Alternative Plans on schedule.

1.2.1 Formation of GSA's by Local Agencies

Three separate entities filed Notices of Election with the CDWR to become GSA's to manage the Mission Creek Subbasin of the Coachella Valley Groundwater Basin within their respective service areas:

- **CVWD** – submitted its notice of election for the portion of the Mission Creek Subbasin within its boundaries (CVWD, 2015) and was approved by the CDWR as an exclusive GSA to manage the Mission Creek Subbasin within that area of the Mission Creek Subbasin.
- **DWA** – submitted its notice of election for a large portion of the Mission Creek Subbasin, which includes a large area also located within the boundaries of MSWD. The CDWR designated DWA as an exclusive GSA for all portions of the Mission Creek Subbasin located within DWA's boundaries, including those portions also located within MSWD boundaries.
- **MSWD** – submitted a notice of election for the portion of the Mission Creek Subbasin located within its boundaries, and this notice of election was rejected by the CDWR because it included areas also located within DWA's boundaries. MSWD later filed an amended notice of election for a three-square mile area included by DWA in its notice of election but not within DWA's boundaries. MSWD's amended notice of election was filed without prejudice to its initial notice of election (MSWD, 2016). The CDWR designated the three-square mile area as "overlap" with DWA and MSWD. The overlap status of the three-square-mile area has not been resolved. MSWD's initial notice of election, and DWA's claim of "exclusive" status over MSWD's service area are the subject of pending litigation, known as *Mission Springs Water District v. Desert Water Agency, et al.*, Riverside County Superior Court, Case No. PSC 1600676. The trial court ruled in favor of DWA on the writ of mandate, and MSWD filed its Notice of Appeal on June 24, 2022. The case is pending in the Fourth District, Division 2 of the Court of Appeal, App. Case No. E079256.

Several small portions of the Mission Creek Subbasin lie outside the boundaries of the GSA's. These fringe areas are located in San Bernardino County and are not included within the boundaries of a local water district. Portions of this fringe area are located within designated U. S. Forest Service or U. S. Bureau of Land Management wilderness areas with less than one square mile being privately owned. With the exception of the relatively small privately-owned portion, the fringe areas fall within the recently designated Sand to Snow National Monument. Discussions with the County of San Bernardino indicate it has no interest in being a GSA for this area. It was excluded from GSA coverage because development in this fringe area is restricted by land ownership and wilderness/national monument designation. Additionally, these lands are owned by the federal government.



1.2.2 Alternative to a Groundwater Sustainability Plan

The SGMA recognizes the efforts many areas, such as the Coachella Valley, have made in developing and implementing groundwater management by allowing existing groundwater management plans to be submitted as an alternative to preparing a GSP.

On December 29, 2016, CVWD, DWA, and MSWD submitted the 2013 Mission Creek-Garnet Hill Water Management Plan (2013 MC-GH WMP [MWH, 2013]) and a bridge document (Stantec, 2016; 2016 Bridge Document) to the CDWR as an Alternative to a Groundwater Sustainability Plan (Alternative Plan). The Alternative Plan described how the 2013 MC-GH WMP and supporting documents met the requirements of the SGMA and thus could be considered an Alternative Plan under the SGMA.

On July 17, 2019, the CDWR issued a SGMA Alternative Assessment Staff Report (CDWR, 2019a) and a Statement of Findings Regarding the Approval of the Mission Creek Subbasin Alternative Plan (CDWR, 2019b). As summarized by the CDWR (2019c), the Alternative Plan:

- Satisfied the objectives of the SGMA by successfully demonstrating that implementation of the Agencies' existing water management plan is likely to lead to groundwater sustainability for the Mission Creek Subbasin within the statutory timelines identified in the SGMA.
- Demonstrated an acceptable understanding of the hydrogeology, groundwater conditions, and water budget for the basin.
- Established goals for the basin, including maintaining groundwater levels above 2009 conditions, meeting water demands, and managing and protecting groundwater quality.
- Stated that while utilizing supplies from the Colorado River has assisted in correcting historical overdraft, it is also contributing to salt loading in the basin. The Alternative Plan stated that the region has developed a salt and nutrient management plan and is working to have that plan approved by the California Regional Water Quality Control Board, Colorado River Region (RWQCB).

Based on these findings, the CDWR provided recommendations to address the first five-year update to the Alternative Plan, which was due by January 1, 2022. The recommendations clarified how progress toward achieving the sustainability goal will be measured, incorporating an approved salt and nutrient management plan, and enhancing descriptions of groundwater conditions.

The Agencies initiated the five-year update to the Alternative Plan in 2019. The 2022 Alternative Plan Update was completed in November 2021 and submitted to the CDWR in December 2021.

1.2.3 2022 Alternative Plan Update

The 2022 Alternative Plan Update was prepared to meet specific requirements of the SGMA as it applies to the Mission Creek Subbasin and to support water management planning for a Planning Area that includes the Mission Creek Subbasin, the Desert Hot Springs Subbasin, and the Garnet Hill Subarea of the Indio Subbasin. The SGMA requirements for the Garnet Hill Subarea of the Indio Subbasin are addressed in the 2022 Indio Subbasin Water Management Plan Update prepared by Todd Groundwater and Woodard & Curran (Todd and Woodard & Curran, 2021). The Desert Hot Springs Subbasin does not have SGMA reporting requirements because it is classified as a very low-priority basin.

The 2022 Alternative Plan Update was prepared to:

- Ensure that the region’s most current projections for population growth, land use, imported water supply, and other future conditions are incorporated into water management planning.
- Update the groundwater flow model for the Planning Area for use as a tool in evaluating potential groundwater management actions.
- Provide an analysis of future projected groundwater demand based on population growth and other factors and estimate future projected supplies available for groundwater replenishment.
- Develop scenarios for forecasting groundwater conditions based on future demands and supplies, assuming future hydrologic conditions are drier than the long-term historical average (climate change assumptions).
- Review historical information along with current and projected future environmental and demographic conditions to define undesirable results and develop objectives and thresholds to maintain groundwater sustainability.
- Address specific actions recommended in the CDWR’s 2019 SGMA Alternative Assessment Staff Report and Statement of Findings (CDWR, 2019a; CDWR, 2019b).

The 2022 Alternative Plan Update findings confirmed that the Mission Creek Subbasin is, and is projected to be, sustainably managed. Based on predicted future water demands, the 2022 Alternative Plan Update identified that additional groundwater production will be needed through the planning period of 2045. As identified in the 2022 Alternative Plan Update and summarized in Section 9 of this Annual Report, the Agencies have identified options for obtaining additional imported water supplies and increasing water supply reliability through 2045. The additional imported water supplies will address potential future conditions that are outside of the Agencies’ control, including climate change and regulatory changes.

To evaluate future conditions, the groundwater model for the Mission Creek Subbasin was updated and used to assess a range of water management and hydrologic scenarios. The results of these forecast scenarios were compared with the Sustainable Management Criteria developed in the 2022 Alternative Plan Update and described in Section 8 of this Annual Report. The water management forecast modeling showed that the Agencies could maintain sustainable groundwater levels in the Mission Creek Subbasin under assumed drier climate change conditions through the planning period by continuing Projects and Management Actions (PMAs) already in progress and implementing additional PMAs as currently planned.

Groundwater quality was evaluated in the 2022 Alternative Plan Update and is now reviewed in the Annual Reports (Section 8 of this Annual Report). The 2022 Alternative Plan Update included a review and reorganization of PMAs. Section 9 of this Annual Report includes a description of the PMAs and any updates since the 2022 Alternative Plan Update was completed in November 2021.

1.2.4 Annual Reporting

Annual reporting of groundwater conditions in the Mission Creek Subbasin has been performed by the CVWD and DWA since 2003. CVWD and DWA both publish annual Engineer’s Reports on Water Supply and Replenishment Assessment for the Mission Creek Subbasin for their respective Areas of Benefit (AOBs). The Engineer’s Reports have described the groundwater levels, annual water balance, artificial and natural recharge, and groundwater pumping for the previous calendar year, and established the



replenishment assessment charged for production in the following fiscal year. Many of these goals are now achieved through the Mission Creek Subbasin Annual Reports prepared by the Agencies since WY 2016-2017 in accordance with the SGMA. In addition, CVWD, DWA, and MSWD prepare annual Consumer Confidence Reports on the water quality of their urban water systems.

In accordance with the SGMA (Water Code Section 10728), on April 1, following the adoption of a GSP or submission of an Alternative Plan, and annually thereafter, a GSA shall submit an annual report to the CDWR containing the following information about the managed basin:

- Groundwater elevation data.
- Aggregated data identifying groundwater extraction.
- Surface water supply used for or available for groundwater replenishment or in-lieu use.
- Total water use.
- Change in groundwater storage.
- Progress toward implementing the GSP or Alternative Plan.

This Mission Creek Subbasin Annual Report for WY 2022-2023 (Annual Report) was prepared for the Mission Creek Subbasin in response to the SGMA requirements and follows the general format of the previous Mission Creek Subbasin Annual Report (WSP, 2023). This Annual Report contains a general discussion of the Coachella Valley Groundwater Basin setting followed by sections describing each of the annual report elements required for the Mission Creek Subbasin by the SGMA and a report section on Sustainable Management Criteria identified for the Mission Creek Subbasin in the 2022 Alternative Plan Update. The Mission Creek Subbasin has met its sustainable management objective yearly since the Alternative Plan was submitted to the CDWR in December 2016. Consequently, no interim milestones need to be reached for compliance with the SGMA. The Sustainable Management Criteria review is provided to document current conditions in the Subbasin relative to the established management criteria.



Section 2 – Coachella Valley Groundwater Basin Setting

The Coachella Valley Groundwater Basin extends approximately 45 miles southeast from the San Bernardino Mountains to the northern shore of the Salton Sea. **Figure 2-1** shows the location of the Coachella Valley Groundwater Basin and its subbasins, including the Mission Creek Subbasin.

The Coachella Valley lies within the northwesterly portion of California's Colorado Desert, an extension of the Sonoran Desert. Cities within the Coachella Valley include Cathedral City, Coachella, Desert Hot Springs, Indian Wells, Indio, La Quinta, Palm Desert, Palm Springs, and Rancho Mirage, and the unincorporated communities of North Palm Springs, Thousand Palms, Thermal, Bermuda Dunes, Oasis, and Mecca. The Coachella Valley is bordered by the San Jacinto and Santa Rosa Mountains on the southwest, the San Bernardino Mountains on the northwest, the Little San Bernardino Mountains and the Mecca Hills on the northeast, and the Salton Sea on the southeast. The San Bernardino, San Jacinto, and Santa Rosa Mountains impede the eastward movement of storms and create a rain shadow, which results in an arid climate and greatly reduces the contribution of direct precipitation as a source of recharge to the Coachella Valley Groundwater Basin.

The bulk of natural groundwater replenishment comes in the form of runoff from the adjacent mountains. Climate in the Coachella Valley is characterized by low humidity, high summer temperatures, and mild dry winters.

2.1 Coachella Valley Groundwater Basin

The geographic boundaries of the Coachella Valley Groundwater Basin correspond roughly with the Coachella Valley boundaries described above. At the west end of the San Gorgonio Pass, between the Cities of Beaumont and Banning, the basin boundary is defined by a surface drainage divide separating the Coachella Valley Groundwater Basin from the Beaumont Groundwater Basin of the Upper Santa Ana Drainage Area.

The southern boundary is formed primarily by the watershed of the Mecca Hills and by the northwest shoreline of the Salton Sea, running between the Santa Rosa Mountains and Mortmar. Between the Salton Sea and Travertine Rock, at the base of the Santa Rosa Mountains, the southern boundary crosses the Riverside County line into Imperial and San Diego counties.

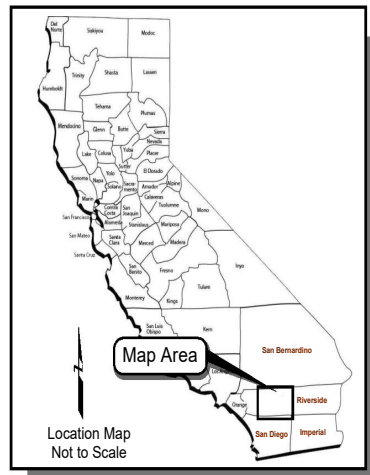
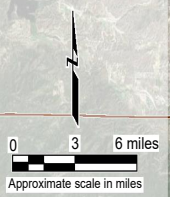
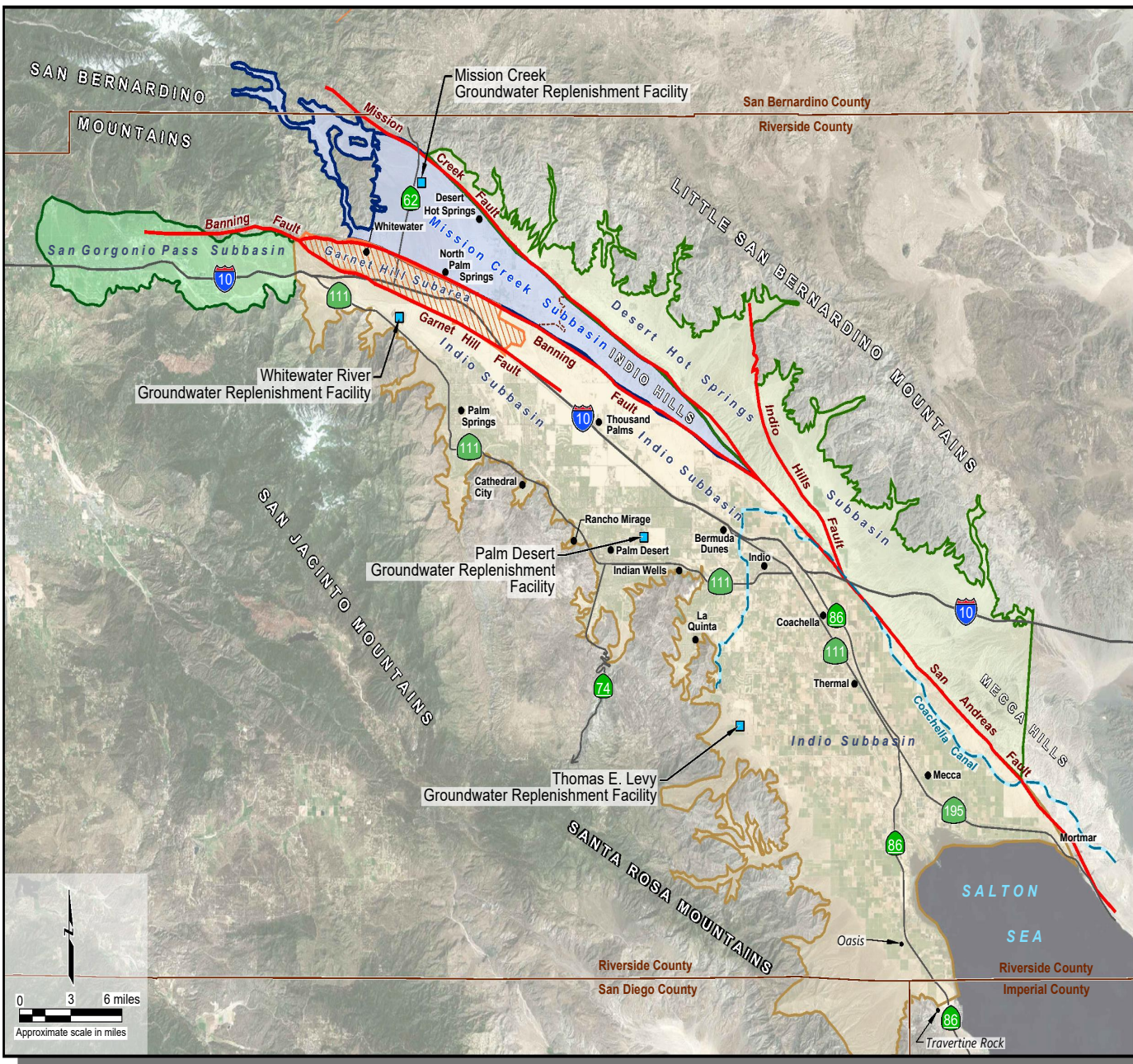
Although there is interflow of groundwater throughout the Coachella Valley Groundwater Basin, fault barriers, constrictions in the basin profile, and areas of low permeability materials limit and control groundwater movement. Based on these factors, the Coachella Valley Groundwater Basin has been divided into subbasins and subareas, described by the California Department of Water Resources (CDWR) in 1964 and 2003, and by the United States Geological Survey (USGS) in 1974, as described below.

2.1.1 Subbasins and Subareas

As shown on **Figure 2-1**, the subbasins of the Coachella Valley Groundwater Basin are the Mission Creek, Desert Hot Springs, San Gorgonio Pass, and Indio Subbasins. The Garnet Hill Subarea shown on **Figure 2-1**, is identified as a subbasin by the USGS and as a subarea of the Indio Subbasin by the CDWR.

Explanation

- Mission Creek Subbasin
- Desert Hot Springs Subbasin
- San Gorgonio Pass Subbasin
- Indio Subbasin
- Garnet Hill Subarea of Indio Subbasin
- Fault
- Indio Hills boundary
- Coachella Canal



Basemap modified from an undated drawing by Krieger & Stewart Engineering, subbasin boundaries from "Mission Creek and Garnet Hill Subbasins Water Management Plan Final Report", January 2013, and an aerial photo from Esri World Imagery- Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, dated 10-15-2017.

COACHELLA VALLEY GROUNDWATER BASIN
SUBBASIN and SUBAREA MAP
Mission Creek Subbasin Annual Report
Water Year 2022-2023
Coachella Valley, California

By: jrw	Date: 12/18/2023	Project No. C
Figure		49

Note:
All locations are approximate.

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 Drawing title: D:\1718\2023-24\17180504\17180504.mxd, Date: 2023-10-23 10:00:00 AM, User: m...

The subbasins are defined without regard to water quantity or quality. They delineate areas underlain by formations which readily yield stored groundwater through water wells and offer natural reservoirs for regulating water supplies.

The boundaries between subbasins within the Coachella Valley Groundwater Basin are generally defined by faults that impede the lateral movement of groundwater. Minor subareas have also been delineated, based on one or more of the following geologic or hydrologic characteristics: type(s) of water-bearing formations, water quality, areas of confined groundwater, forebay areas, groundwater divides, and surface drainage divides.

The following is a list of the subbasins and associated subareas in the Coachella Valley Groundwater Basin as designated by the CDWR in Bulletin 108 (1964) and Bulletin 118 (2003), with subbasin numbers as identified by CDWR (2003):

- Indio Subbasin (Subbasin 7-21.01)
 - Palm Springs Subarea
 - Thermal Subarea
 - Thousand Palms Subarea
 - Oasis Subarea
 - Garnet Hill Subarea⁹
- Mission Creek Subbasin (Subbasin 7-21.02)
- Desert Hot Springs Subbasin (Subbasin 7-21.03)
 - Miracle Hill Subarea
 - Sky Valley Subarea
 - Fargo Canyon Subarea
- San Gorgonio Pass Subbasin (Subbasin 7-21.04)

The location of each subbasin is shown on **Figure 2-1**.

2.1.2 Coachella Valley Groundwater Basin: Subbasin Storage Capacities

In 1964, the CDWR estimated that the subbasins in the Coachella Valley Groundwater Basin contained, in the first 1,000 feet below the ground surface, approximately 39,200,000 acre-feet (AF) of water. The capacities of the subbasins are shown in **Table 2-1**.

⁹ The Garnet Hill Subarea of the Indio Subbasin is identified as a separate subbasin, Garnet Hill Subbasin, by the USGS (1980). However, it is identified as the Garnet Hill Subarea of the Indio Subbasin in CDWR Bulletin 108 (1964) and CDWR Bulletin 118 (2003).



**Table 2-1
 Coachella Valley Groundwater Basin
 Groundwater Storage Capacity**

Subbasin/Subarea	Groundwater Storage Capacity (AF) ¹
Indio Subbasin	
Palm Springs Subarea	4,600,000
Thousand Palms Subarea	1,800,000
Oasis Subarea	3,000,000
Thermal Subarea	19,400,000
Garnet Hill Subarea	1,000,000
Subtotal Indio Subbasin	29,800,000
San Gorgonio Pass Subbasin	2,700,000
Mission Creek Subbasin	2,600,000
Desert Hot Springs Subbasin	4,100,000
Total All Subbasins	39,200,000

Notes:

1. First 1,000 feet below ground surface. Capacities estimated by the CDWR (CDWR, 1964).

2.1.3 Regional Geology

The Coachella Valley Groundwater Basin encompasses much of the Coachella Valley floor area. The Coachella Valley itself trends northwest to southeast; its surface slopes generally to the southeast and it is bounded on its northern, northwestern, northeastern, southwestern, and southern margins by uplifted mountains of granitic and metamorphic rocks and indurated sedimentary rocks that form the bedrock surrounding and underlying the valley floor. The basin is bounded on the southeast by the Salton Sea. As shown on **Figure 2-2**, the floor of Coachella Valley in the Mission Creek Subbasin area (and in other areas) is underlain by Quaternary alluvium (Q) and dune sand (Qs). Coachella Valley sedimentary fill consists of thick sand and gravel sedimentary sequences eroded from the surrounding mountains (USGS, 2007). These sediments thicken from north to south and, depending on location within the basin, are at least several thousand and as much as 12,000 feet in thickness in the southern Indio Subbasin. Older semi-consolidated sediments units (Qpc) are also exposed on the valley floor and occur at the surface, partly due to movement on several major fault zones in the area (**Figure 2-2**).

Figure 2-2 shows the major fault system crossing the Coachella Valley, the seismically active San Andreas fault system. This fault system includes the Banning, Garnet Hill, Mission Creek, and Indio Hills faults. Numerous other faults are located within the tectonically active basin. The Banning and Mission Creek faults form the southwestern and northeastern boundaries of the Mission Creek Subbasin.



Slight discrepancies between the fault locations and the basin boundaries, as shown on the figures in this report, are due to the integration of different sources of information, each reported in different presentation styles, map scales, and time periods (e.g., USGS, 2007 for fault locations and CDWR, 2003 for basin boundary locations). More detailed information on the geology of the Mission Creek Subbasin is presented in Section 2.2.2 of this report.

2.2 Mission Creek Subbasin Description

The Mission Creek Subbasin boundary is shown on **Figure 2-3**. The physiography and climate, geology, hydrogeology, hydrogeologic conceptual model, and the management areas overlying the Mission Creek Subbasin are described below.

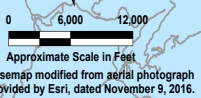
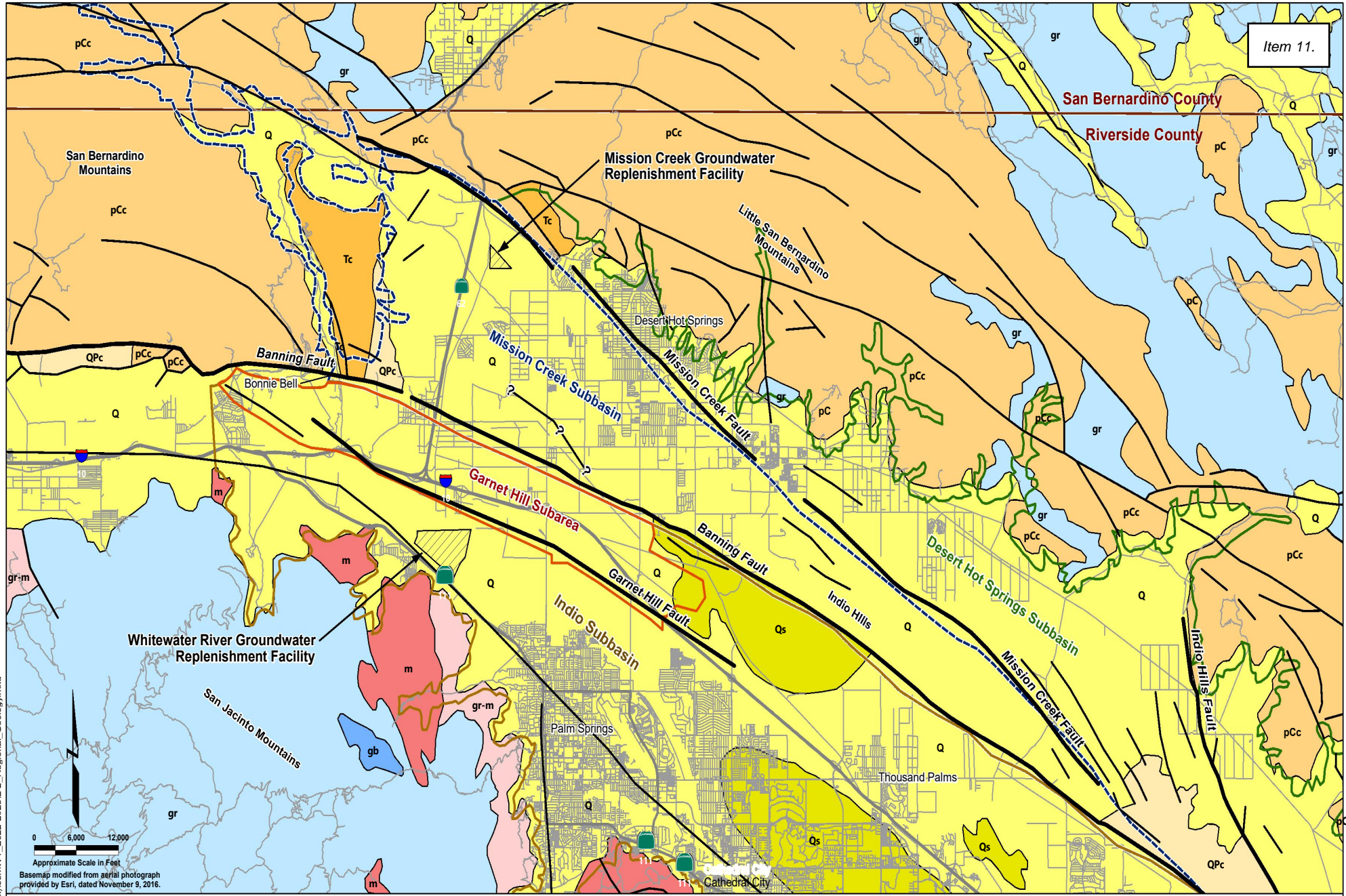
2.2.1 Physiography and Climate

The northwestern end of the Mission Creek Subbasin includes the active and paleo stream channel of the Whitewater River, which has cut a broad canyon with steep sides along the foothills of the eastern flank of the San Bernardino Mountains. The northwestern extent of the Mission Creek Subbasin lies within the active Whitewater River channel at an elevation of approximately 5,000 feet above mean sea level (msl). The Whitewater River channel and northern paleo channel area are largely uninhabited, with the exception of the small community of Bonnie Bell.

The main Mission Creek Subbasin (outside of the Whitewater River channel and northern paleo channel) extends from the base of the San Bernardino Mountain foothills and into the western portion of the Indio Hills. Much of the Mission Creek Subbasin is undeveloped and supports sparse desert vegetation. The City of Desert Hot Springs and the community of North Palm Springs are located in the central part of the Mission Creek Subbasin. Palm Springs city limits also extend into the Mission Creek Subbasin and the city limit ends just south of the community of North Palm Springs (**Figure 2-3**). Individual homes and smaller communities are scattered across the northwestern and other parts of the Mission Creek Subbasin. The Indio Hills are not inhabited within the Mission Creek Subbasin. Numerous wind turbines for generating electricity have been constructed in the western part of the Mission Creek Subbasin and near the Indio Hills.

Ground surface elevation is approximately 2,000 feet above msl in the northwest part of the Mission Creek Subbasin, and the ground surface slopes gently toward the south-southeast and south to an elevation of approximately 700 feet above msl near the western boundary of the Indio Hills, northwest of Seven Palms Ridge (**Figure 2-3**). Ground surface elevation then increases to the southeast toward the uninhabited Indio Hills. The Indio Hills are incised and eroded highlands that rise to more than 1,600 feet above msl. The western Indio Hills are located within the Mission Creek Subbasin but, as described in report Section 2.2.2, comprise semi-consolidated sediments of low permeability in the groundwater-saturated zone and are not considered part of the main Mission Creek Subbasin area for groundwater resources. Ground surface slopes downward toward the southeast from the Edom Hill area to an elevation of approximately 200 feet above msl at the southeastern end of the Mission Creek Subbasin.

San Bernardino County
Riverside County



Explanation

<ul style="list-style-type: none"> Fault, ? where uncertain Facility Highway/road 	<ul style="list-style-type: none"> Desert Hot Springs Subbasin Indio Subbasin Mission Creek Subbasin Garnet Hill Subarea of Indio Subbasin 	<ul style="list-style-type: none"> Qs: dune sand (Quaternary) Q: alluvium (Quaternary) QPc: sandstone (Tertiary-Quaternary) Tc: sandstone conglomerate (Tertiary) gb: gabbro (Triassic) 	<ul style="list-style-type: none"> gr: diorite (Permian) pC/pCc: gneiss (Paleozoic) gr-m: plutonic rock (Early Proterozoic to Late Cretaceous) m: schist (Early Proterozoic to Cretaceous)
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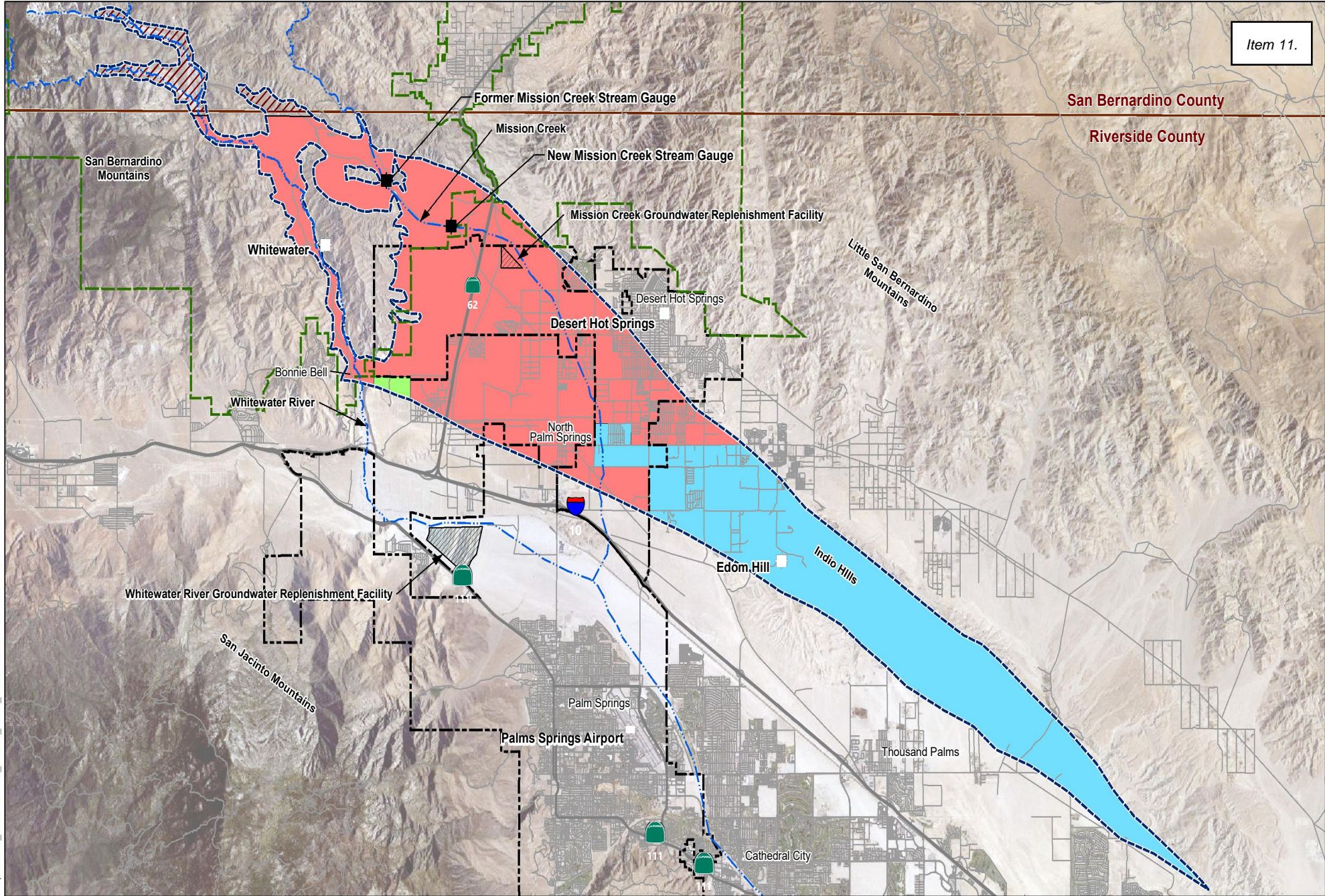
Sources:
1. USGS Open File Report 2005-1305, 2007.
2. Geotechnical Consultants, 1979.

Note:
Fault and groundwater basin boundary alignments differ due to different sources.
Board of Directors, Page 753 - March 26, 2024

REGIONAL GEOLOGY IN THE
MISSION CREEK SUBBASIN AREA
Mission Creek Subbasin Annual Report
Water Year 2022-2023
Coachella Valley, California

By: MWW | Date: 2/28/2024 | Project No.: CM231

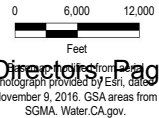




Explanation

-  Rain gauge location
-  Stream gauge location
-  Sand to Snow National Monument (Bureau of Land Management)
-  Mission Creek Subbasin
-  Mission Creek Subbasin fringe area
-  Highway/road
-  Stream
-  Groundwater Sustainability Agency (GSA) Areas
-  Coachella Valley Water District (GSA Exclusive Area)
-  Desert Water Agency (GSA Exclusive Area)
-  Overlap area

Note:
Overlap area of GSA Notices by
Desert Water Agency and Mission
Springs Water District.



MISSION CREEK SUBBASIN
Mission Creek Subbasin Annual Report
Water Year 2022-2023
Coachella Valley, California

Date: 2/28/2024 Printed by: USMWW719917 Path: Y:\CM23168050_Mission-Creek\hesr\WY_2022-2023\2-3_Mission_Creek_Subbasin.mxd

photograph provided by Esri, dated November 9, 2016. GSA areas from SGMA, Water, CA.gov.



Figure

The Whitewater River is the major drainage in the Mission Creek Subbasin. It flows between the eastern foothills of the San Bernardino Mountains and the elevated impermeable bedrock and low permeability sediments on the western side of the Mission Creek Subbasin before flowing south into the Garnet Hill Subarea of the Indio Subbasin. The Whitewater River is perennial in its upper reaches but flows intermittently in its lower reaches. Mission Creek, Morongo Wash, Little Morongo Wash, and other washes have intermittent flows in the Mission Creek Subbasin that occur only during or following heavy precipitation events. These washes flow out of the canyons located northwest and north of the Mission Creek Subbasin and flow south and southeast across the Mission Creek Subbasin. The location of Mission Creek is shown on **Figure 2-3**.

Table 2-2 summarizes climate statistics based on 30 years of temperature and precipitation data at the Palm Springs Airport, approximately 2 miles south of the Mission Creek Subbasin’s southern boundary (**Figure 2-3**). Average high temperatures exceed 100 degrees Fahrenheit (°F) in the months of June, July, August, and September. Average high temperatures in May and October are in the low to mid 90s°F and average high temperatures in the months of November through April range from about 69°F to 87°F. Average low temperatures range from 46°F in December to 80°F in August. Most of the precipitation occurs during December through February, with an average precipitation of 0.68 inches in December, 1.14 inches in January, and 1.11 inches in February. Brief, but heavy rains occur in the summer (desert monsoons), resulting in an average monthly precipitation of 0.25 inches in July, 0.14 inches in August, and 0.24 inches in September.

Annual precipitation from Water Year (WY) 1960-1961 to WY 2022-2023 for the Riverside County Flood Control and Water Conservation District station at Desert Hot Springs is shown on **Figure 2-4**. The station is located approximately one-mile northeast of the northeast boundary of the Mission Creek Subbasin in the adjoining Desert Hot Springs Subbasin (**Figure 2-3**). This station is used for the plot of annual precipitation because it has the longest record (63 years) of the three stations located within or near the Mission Creek Subbasin. The other two stations, Whitewater and Edom Hill, have shorter periods of record (extending back to WY 1975-1976 and WY 2008-2009, respectively).

The mean annual precipitation for the water year over the period of record was 5.1 inches, with a standard deviation of 3.5 inches. The maximum precipitation was just over 16 inches in WY 2004-2005. No precipitation was recorded at the station in WY 1961-1962 and WY 1963-1964.



**Table 2-2
 Climate Summary 1991 to 2020, Palm Springs Airport**

	January	February	March	April	May	June
Average Maximum Temperature (°F)	70.5	73.7	80.6	86.7	94.7	103.6
Average Minimum Temperature (°F)	47.6	49.7	54.4	59.1	65.9	72.7
Average Temperature (°F)	59.0	61.7	67.5	72.9	80.3	88.2
Average Precipitation (inches)	1.14	1.11	0.51	0.09	0.02	0.00
	July	August	September	October	November	December
Average Maximum Temperature (°F)	108.6	108.1	101.8	91.1	78.7	69.2
Average Minimum Temperature (°F)	79.4	79.8	74.4	64.5	53.4	46.2
Average Temperature (°F)	94.0	94.0	88.1	77.6	66.0	57.7
Average Precipitation (inches)	0.25	0.14	0.24	0.20	0.23	0.68
	Average Temperature (°F)					75.6
	Average Annual Precipitation (inches)					4.61

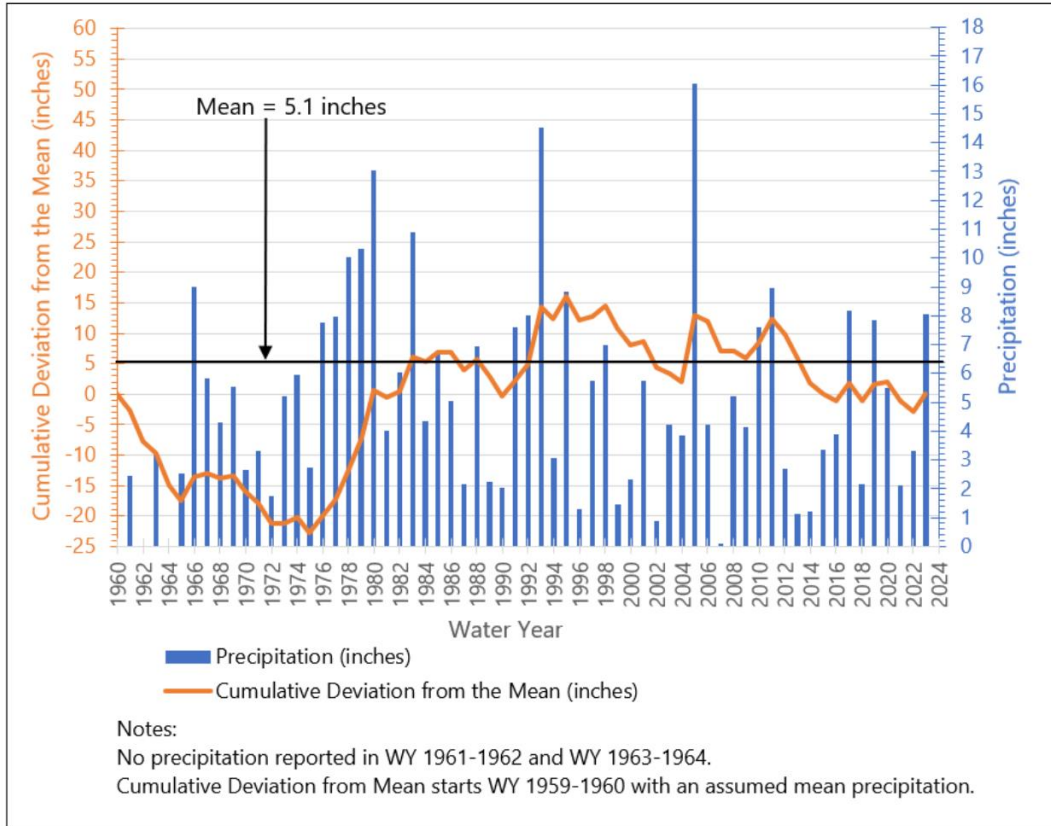
Notes:

Temperature and precipitation based on data collected from the Palm Springs Airport from 1991 through 2020, <https://www.nccl.noaa.gov/access/us-climate-normals>.

Figure 2-4 includes a plot of the cumulative deviation from the mean (CDFM) that shows general wet and dry periods over time based on increasing or decreasing trends of the CDFM plot line. For example, a generally dry period is observed from WY 1960-1961 through WY 1974-1975, when precipitation exceeded the average or mean precipitation in only two of fourteen years, and only one of those years (WY 1965-1966) included substantial precipitation above the mean. The CDFM plot line shows a downward trend over this period. Conversely, this dry period is followed by a wet period extending from WY 1975-1976 to WY 1982-1983. During this wet period, below average precipitation was observed in only one year (WY 1980-1981) and three of the eight years received precipitation that approached or exceeded twice the average annual precipitation. The CDFM plot line for this period shows a steep upward trend. WY 2016-2017 ended five consecutive years of below average precipitation in the Mission Creek Subbasin area. From WY 2016-2017 to WY 2019-2020, cumulative deviation from the mean was relatively flat, indicating a generally average precipitation for this period. Less than average precipitation in WY 2020-2021 (2.1 inches) and WY 2021-2022 (3.33 inches) resulted in a slight downward trend. The precipitation total of 8.05 inches for WY 2022-2023 was above the mean annual precipitation of 5.1 inches.



Figure 2-4
Annual Precipitation and Cumulative Deviation from the Mean, Desert Hot Springs



2.2.2 Subbasin Geology

Figure 2-5 shows the geology of the Mission Creek Subbasin within the confines of the bounding, relatively impermeable bedrock of the San Bernardino Mountains and Little San Bernardino Mountains, and the relatively low permeability resulting from faulting along the Mission Creek fault and the Banning fault. The bedrock and faults define the Mission Creek Subbasin on the Regional Geologic Map (**Figure 2-2**). Geologic materials/units within the Mission Creek Subbasin (not all differentiated on the Regional Geologic Map, **Figure 2-2**) include relatively impermeable Precambrian metamorphic and Tertiary volcanic rocks; relatively impermeable massive, consolidated conglomerate of the Coachella fanglomerate (Tc); relatively impermeable shale, sandstone, and siltstone of the Imperial Formation (Ti); semi-consolidated Quaternary/Tertiary sediments of the Painted Hill (TQph) and Palm Springs (TQps) formations; unconsolidated and relatively unconsolidated sediments of the Quaternary Ocotillo conglomerate (Qa); Cabezon fanglomerate (Qc); recent and older alluvial fan deposits (Qf); and active channel and stream wash deposits (Qr) (CDWR, 1964). The consolidated Coachella fanglomerate, metamorphic rocks, and semi-consolidated rocks are located in the northwestern portion of the Mission Creek Subbasin between the Whitewater River channel deposits and the main Mission Creek Subbasin

(east of the Whitewater River channel). Although the relatively permeable Quaternary sediments are mapped as the surface geology through much of the Indio Hills, limited surface exposures of the Palm Springs Formation and Imperial Formation in the Indio Hills suggests that semi-consolidated sediments and consolidated sediments occur at relatively shallow depths in this area.

2.2.3 Subbasin Hydrogeology

The Mission Creek Subbasin is designated Number 7-21.02 in the CDWR's Bulletin 118 (2003). The wedge-shaped Mission Creek Subbasin is bounded by relatively impermeable rocks of the San Bernardino Mountains and Little San Bernardino Mountains to the west/northwest and north/northeast, respectively, and by faults that represent partial barriers to groundwater flow including the Banning fault to the southwest and the Mission Creek fault to the northeast. These two faults trend subparallel to each other along a northwest to southeast transect and intersect to form the southeastern end of the Mission Creek Subbasin. Groundwater level differences across the Banning fault, between the Mission Creek Subbasin and the Garnet Hill Subarea of the Indio Subbasin, are on the order of 200 feet to 250 feet. Similar groundwater level differences exist across the Mission Creek fault between the Mission Creek Subbasin and Desert Hot Springs Subbasin (MWH, 2013). The groundwater level differences indicate that the faults form partial barriers to groundwater flow in and out of the Mission Creek Subbasin.

Measured depths to groundwater in the Mission Creek Subbasin in WY 2022-2023 ranged from more than 595 feet below ground surface (bgs) in the northwest part of the Mission Creek Subbasin where ground surface elevations are more than 1,300 feet above msl to less than 5 feet bgs within the southern portion of the Mission Creek Subbasin west of the Indio Hills where ground surface elevations are approximately 700 feet above msl.

The Whitewater River and Mission Creek are the only perennial surface water features in the Mission Creek Subbasin (perennial only at the higher elevation reaches). Under low-flow conditions along the Whitewater River, surface water infiltrates into the channel after crossing south of the Banning fault (i.e., outside of the Mission Creek Subbasin).

As described in Section 2.2.2 and shown on **Figure 2-5**, relatively impermeable bedrock, a fault, and semi-permeable sediments are found east of the Whitewater River, and most of the Whitewater River area is hydraulically isolated from the main portion of the Mission Creek Subbasin. However, the very northern portion of the Whitewater River's recent channel deposits may be hydraulically connected with alluvial sediments of the main Mission Creek Subbasin through older paleo channels of the Whitewater River as indicated by Pleistocene-age deformed gravels (CDWR, 1964). These Pleistocene-age deformed gravels are found in the older alluvium in the northwest corner of the Mission Creek Subbasin, indicating that an ancestral Whitewater River flowed through the gap north of the non-marine Tertiary sediments. Subsurface mountain front recharge may flow through permeable sediments in this gap into the main part of the Mission Creek Subbasin.

In the southeastern part of the Mission Creek Subbasin, consolidated and semi-consolidated low-permeability sediments are exposed in the Indio Hills. In the area of the Indio Hills, these low-permeability sediments occur at much shallower depths than in other portions of the Mission Creek Subbasin. The structure of the semi-consolidated sediments is depicted by Geotechnical Consultants Inc., (GCI, 1979) as rising steeply toward the surface approaching the Indio Hills. Geologic maps that include the Indio Hills area show exposures of these Tertiary, semi-consolidated sediments (CDWR, 1964 and

USGS, 2007). Although alluvial sediments considered to be permeable are mapped as surficial deposits through much of the Indio Hills, these sediments are likely thin and much of the Indio Hills is composed of semi-consolidated sediments at the depths of regional groundwater occurrence; thus, the Indio Hills are described by the USGS (1974) as “semi-consolidated deposits that yield little water” and by the CDWR (1964) as “essentially semi-water-bearing rocks.” Low permeability sediments and non-water bearing rocks within the Mission Creek Subbasin are identified on **Figure 2-5** and are included on the Mission Creek Subbasin maps to supplement the CDWR Mission Creek Subbasin boundary geometry.

The area of the Mission Creek Subbasin between the bedrock exposures to the northwest and the Indio Hills to the southeast reflects the estimated geographic limit of effective groundwater storage within the Mission Creek Subbasin (CDWR 1964).

2.2.4 Hydrogeologic Conceptual Model

A hydrogeologic conceptual model is a working interpretation of the characteristics and dynamics of the physical hydrogeologic system. Hydrogeologic conceptual models for the Mission Creek Subbasin are described in the 2016 Bridge Document, in the 2013 Mission Creek-Garnet Hill Water Management Plan (2013 MC-GH WMP), by Psomas (2010), and in the Mission Creek Subbasin Alternative Plan Update (2022 Alternative Plan Update [Wood and Kennedy Jenks, 2021]). **Figure 2-6** is a graphical presentation of the hydrogeologic conceptual model for the Mission Creek Subbasin.

The following paragraphs summarize the main components of the hydrogeologic conceptual model for the Mission Creek Subbasin.

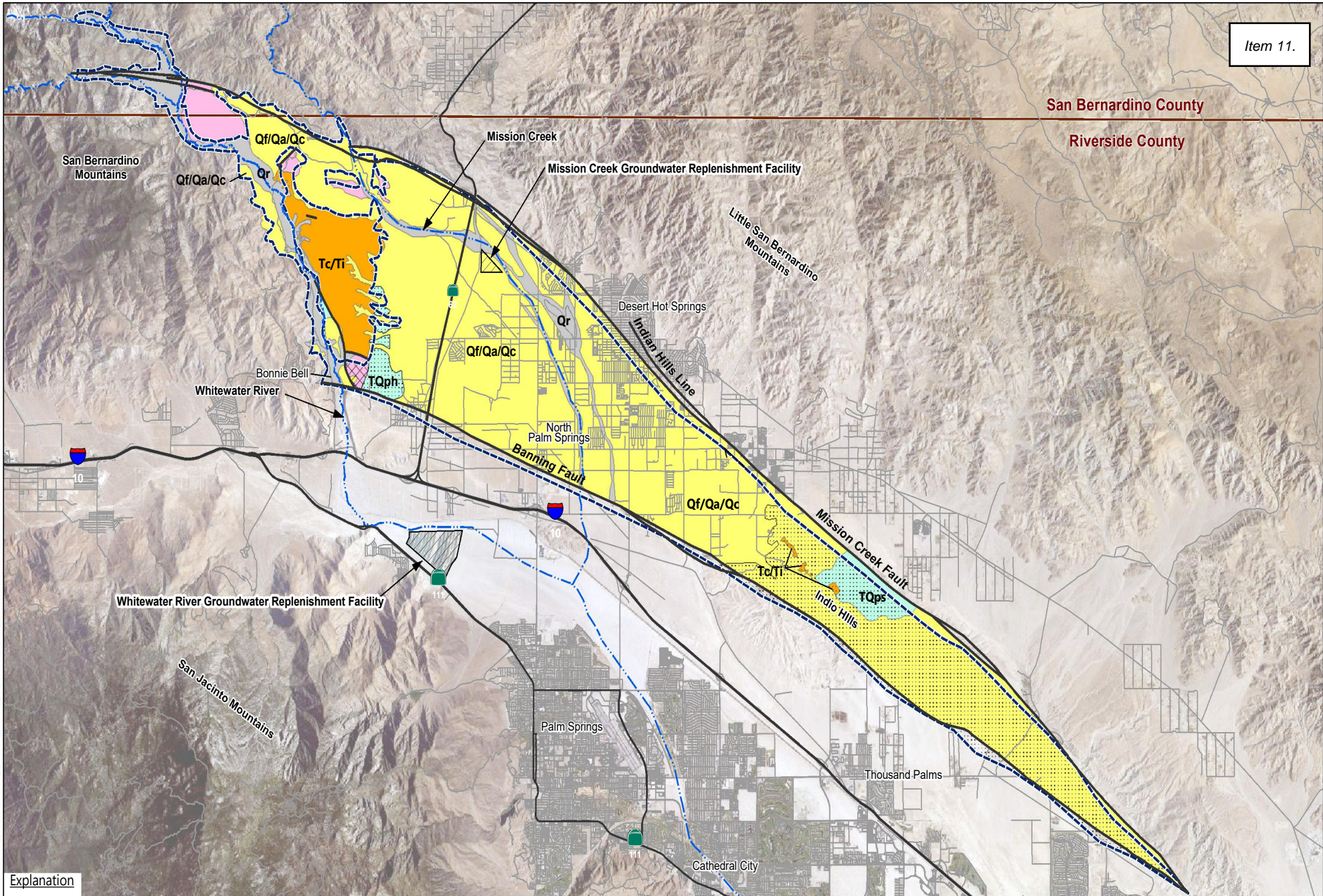
Groundwater is stored in the alluvial sediments, which extend to a depth as great as 3,000 feet bgs and are underlain by semi-consolidated, semi-permeable sediments (GCI, 1979).

Faults bounding the Mission Creek Subbasin are partial barriers to groundwater flow resulting in a steep drop in groundwater levels from the Mission Creek Subbasin into the Garnet Hill Subarea of the Indio Subbasin across the Banning fault, and a steep drop in groundwater levels from the Desert Hot Springs Subbasin into the Mission Creek Subbasin across the Mission Creek fault. Because these faults are only partial barriers to groundwater flow, the steep hydraulic gradients across the faults result in subsurface outflow from the Mission Creek Subbasin to the Garnet Hill Subarea of the Indio Subbasin and subsurface inflow from the Desert Hot Springs Subbasin into the Mission Creek Subbasin. Bedrock, semipermeable sediments, and a fault at the north end of the main Mission Creek Subbasin restrict inflow from the Whitewater River channel portion of the Mission Creek Subbasin to the main Mission Creek Subbasin. Alluvial sediments in a gap between bedrock and low permeability sediments provide a potential source of subsurface inflow from the northern part of the Whitewater River channel area and mountain front recharge that occurs along the west side of the Mission Creek Subbasin.

The primary natural inflows to the Mission Creek Subbasin include infiltration of runoff in the creeks and washes fed by highland precipitation, subsurface mountain front recharge, and subsurface inflow from the Desert Hot Springs Subbasin. A significant source of recharge to the Mission Creek Subbasin is the artificial recharge of imported water at the Mission Creek Groundwater Replenishment Facility (GRF). Additional sources of recharge include wastewater percolation, septic tank percolation, and return flow infiltration from water applied for municipal, recreational (such as golf course irrigation), agricultural, and industrial uses. In this document, municipal and recreational uses are combined into the category of urban water use unless identified separately.

San Bernardino County

Riverside County



Explanation

- Fault
- - - Stream
- ▭ Mission Creek Subbasin
- Highway/road

Hydrostratigraphic Characteristic Unit/Materials

- ▭ Low permeability
- ▭ Non-water bearing

Geologic Unit/Materials

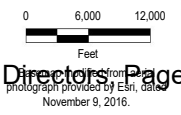
- ▭ **Qr**: active channel and stream wash deposits (Recent)
- ▭ **Qf/Qa/Qc**: unconsolidated sediments (Quaternary)
- ▭ **TQps/TQph**: semi-consolidated sediments (Tertiary-Quaternary, low permeability)
- ▭ **Tc/Ti**: consolidated sediments (Tertiary, non-waterbearing)
- ▭ Metamorphic and volcanic rocks, non-waterbearing

Source:

California Department of Water Resources
Bulletin No. 108, 1964.

Note:

Fault and groundwater basin boundary alignments differ due to different sources. Geologic unit/material names differ from Figure 2-2 due to different sources.



GEOLOGY OF MISSION CREEK SUBBASIN
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Figure

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The primary outflow of groundwater from the Mission Creek Subbasin is through groundwater production for urban, agricultural, and industrial use. The Agencies produce most of the groundwater for delivery to their customers in the Mission Creek Subbasin or for customers in the adjacent Desert Hot Springs Subbasin. Typically, a portion of the groundwater produced from the adjacent Garnet Hill Subarea of the Indio Subbasin is used in the Mission Creek Subbasin because production in the Garnet Hill Subarea exceeds demand in the Subarea. However, when production is reduced in the Garnet Hill Subarea (e.g., for well maintenance), some of the groundwater produced in the Mission Creek Subbasin is used in the Garnet Hill Subarea. Private wells that supply water for golf course irrigation, agricultural, and industrial use are metered to assess replenishment assessment charges to cover the costs of importing water and replenishing the basin. Additionally, there are private wells located in the Mission Creek Subbasin that, due to low levels of use, are not required to report their well production to the Coachella Valley Water District (CVWD) or Desert Water Agency (DWA), and some of these wells may produce groundwater on a regular basis.¹⁰ Other outflows of groundwater from the Mission Creek Subbasin include evapotranspiration from plants with deep roots that draw water at or near the groundwater surface (phreatophytes) in shallow groundwater areas and previously mentioned subsurface outflow to the Indio Subbasin including the Garnet Hill Subarea of the Indio Subbasin.

The updated groundwater model for the Mission Creek Subbasin developed as part of the 2022 Alternative Plan Update enhanced and expanded the understanding of groundwater recharge, groundwater flow, and groundwater storage in the Mission Creek Subbasin. The updated groundwater model included more of the northwestern part of the Mission Creek Subbasin where the Whitewater River paleochannel and Mission Creek stream channel are located. This area is remote and topographically and hydraulically upgradient of the main Mission Creek Subbasin, where groundwater production wells are located. Conceptually, groundwater in this area will continue to drain into the main Mission Creek Subbasin during periods of drought and will be replenished during wet periods. This natural condition occurs with or without groundwater production in the main Mission Creek Subbasin. However, the updated groundwater model storage calculations incorporate this area and, therefore, will have greater fluctuation in groundwater storage over drought and wet periods than calculations based on previous groundwater models or presented in annual reports prior to WY 2020-2021.

2.3 Mission Creek Subbasin Groundwater Management

In December 2004, CVWD, DWA, and Mission Springs Water District (MSWD) signed the Mission Creek Settlement Agreement (2004 Settlement Agreement). The parties to the 2004 Settlement Agreement created a Mission Creek Subbasin Management Committee (Management Committee) made up of the General Managers from CVWD, DWA, and MSWD that meets quarterly to discuss on-going topics regarding management of the Mission Creek Subbasin and the Garnet Hill Subarea of the Indio Subbasin.

CVWD and DWA executed the Mission Creek Groundwater Management Agreement in 2014 to replace the previous 2003 Management Agreement. The 2014 Management Agreement provides for replenishing the Mission Creek Subbasin and sharing the costs of replenishment between CVWD and DWA. The 2004 Settlement Agreement and the 2014 Management Agreement specify that the available State Water

¹⁰ Minimal pumpers are groundwater pumpers who are not required to report production to CVWD (<25 AFY) or DWA (<10 AFY). As reported in the 2022 Alternative Plan Update, the amount of unmetered private well pumping in the Mission Creek Subbasin was estimated at approximately 480 AFY. This estimate agrees with previous estimates of approximately 500 AFY. Given the uncertainty in estimating this pumping, it is rounded to 500 AFY for WY 2022-2023.



Project water will be allocated between the Mission Creek Subbasin and the western portion of the Indio Subbasin in proportion to the amount of water produced or diverted from each subbasin.

Cumulative replenishment water deliveries between the Mission Creek and Indio Subbasins will be balanced as determined by the Management Committee but no later than 20 years from December 7, 2004.

Under the authority of their enabling legislation, the CVWD and DWA have each designated an "Area of Benefit" for the purpose of assessing groundwater replenishment charges on groundwater production from their respective management areas of the Mission Creek Subbasin. The funds derived from these charges recover costs of recharging State Water Project (SWP) water that is exchanged with the Metropolitan Water District of Southern California (MWD) for Colorado River water from MWD's Colorado River Aqueduct (SWP Exchange Water) at the Mission Creek GRF.



Section 3 – Groundwater Elevation Data

Section 356.2(b) of the Sustainable Groundwater Management Act (SGMA) Emergency Regulations requires:

A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:

(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.

(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

3.1 Monitoring Wells

The 2022 Mission Creek Subbasin Alternative Plan Update, (2022 Alternative Plan Update [Wood and Kennedy Jenks, 2021]), established nine Key Wells for monitoring groundwater levels in the Mission Creek Subbasin (also referred to as the Subbasin). Additional agency monitoring well data are also used to assist in groundwater contouring and in preparing change in groundwater storage maps. **Table 3-1** identifies the Key Wells and the rationale for selecting these wells. The location of and construction information for the Key Wells are provided on **Figure 3-1**.

As of the beginning of 2022, the SGMA Portal Monitoring Network Module (MNM) replaced the California Statewide Groundwater Elevation Monitoring (CASGEM) program as the database for the SGMA groundwater well data and water level data. Data upload to CASGEM is no longer required for subbasins reporting to the SGMA Portal MNM. Data from Key Wells in the Mission Creek Subbasin were either migrated from CASGEM or uploaded to the MNM by January 2022. For compliance with the SGMA, the well reference point elevations and ground surface elevations were converted from National Geodetic Vertical Datum of 1929 (NGVD29) to North American Vertical Datum of 1988 (NAVD88) using the software program VDatum, published by the National Oceanic and Atmospheric Administration (NOAA).¹¹ The Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) (collectively the Agencies), plan to resurvey all of the Key Wells relative to NAVD88 in the current year.

In addition to monitoring groundwater levels in the nine Key Wells for SGMA compliance, the Agencies monitor groundwater levels in 15 additional wells in the Mission Creek Subbasin. Nine of these wells were used to supplement the Key Well data for groundwater contouring and change in storage maps. These supplemental wells are shown as “other agency wells” on **Figure 3-1**.

MSWD monitors groundwater levels in its wells monthly, while CVWD monitors groundwater levels three times per year. DWA monitors groundwater levels monthly in its monitoring well located near the Mission Creek Groundwater Replenishment Facility (GRF) and in two private production wells. Groundwater level

¹¹ <https://vdatum.noaa.gov/about/currentevents.html>

data utilized for this Mission Creek Subbasin Annual Report for Water Year (WY) 2022-2023 (Annual Report) are provided in **Appendix A**.

Table 3-1
Key Wells in the Mission Creek Subbasin - WY 2022-2023

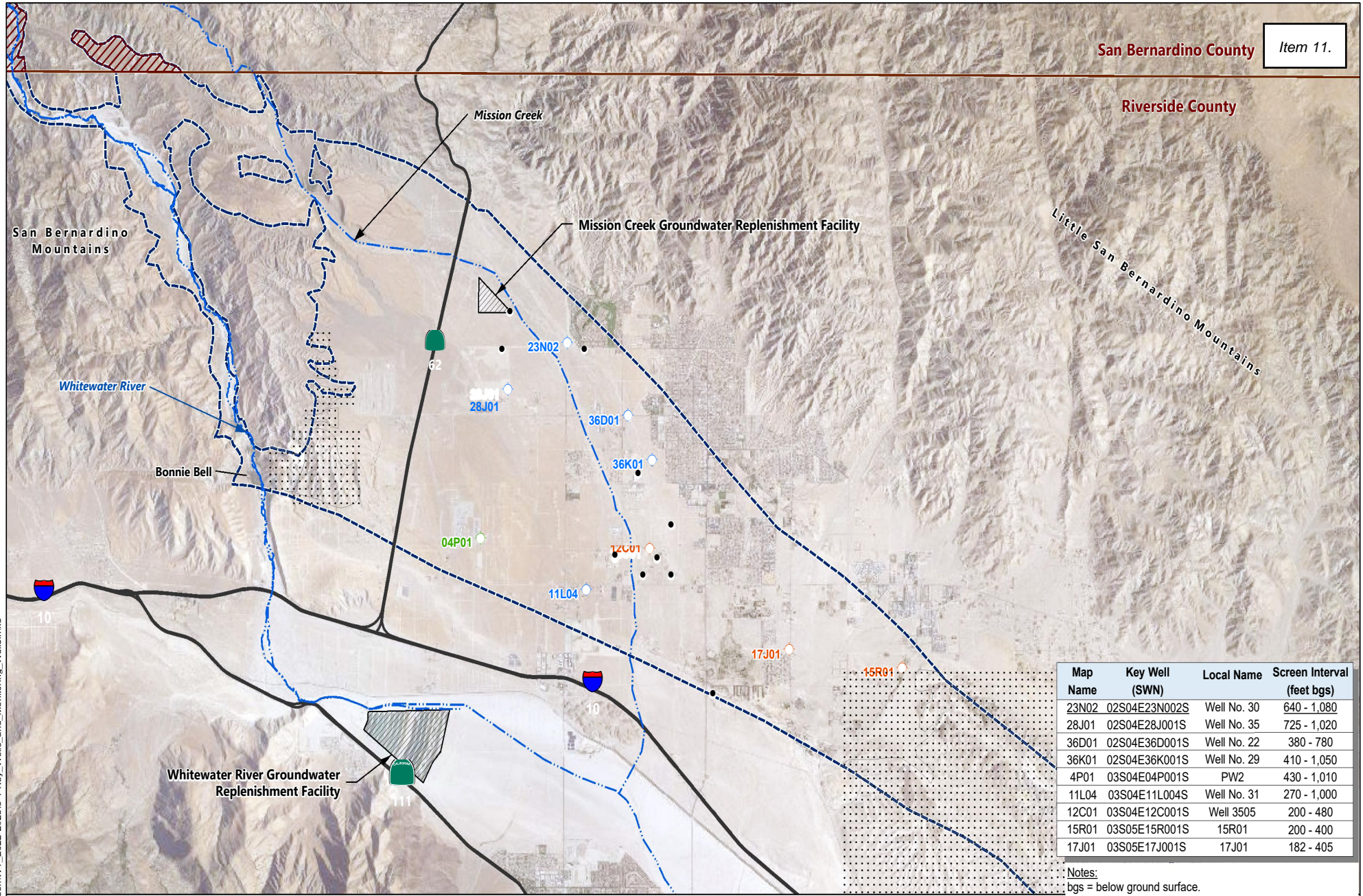
State Well Number	Local Name	Map Name	Rationale for Selection as a Key Well
02S04E23N002S	Well No. 30	23N02	Long monitoring history. Northern portion of the northwestern Subbasin
02S04E28J001S	Well No. 35	28J01	Spatial coverage of the northwestern Subbasin
02S04E36D001S	Well No. 22	36D01	Long monitoring history. North central portion of the Subbasin
02S04E36K001S	Well No. 29	36K01	Long monitoring history. North central portion of the Subbasin
03S04E04P001S	PW2	4P01	Spatial coverage of the south portion of the northwestern Subbasin
03S04E11L004S	Well No. 31	11L04	South central part of the main Subbasin
03S04E12C001S	Well 3405	12C01	Long monitoring history. Near the center of the main Subbasin
03S05E15R001S	15R01	15R01	Southern end of the main Subbasin
03S05E17J001S	17J01	17J01	Long monitoring history. South central part of the main Subbasin

3.2 Groundwater Levels

Figure 3-2 presents the average groundwater elevations in the Mission Creek Subbasin based on WY 2022-2023 monitoring data. The extreme northwestern part of the Mission Creek Subbasin and the southeastern part of the Mission Creek Subbasin (Indio Hills) lack sufficient data to contour groundwater levels and these areas are delineated by a "Water level data boundary" on the figure. The Indio Hills area is underlain by low permeability sediments, and the northwestern part of the Mission Creek Subbasin is sparsely populated and wells in this area are scarce and privately owned.

Note that non-uniform groundwater contour intervals are used on **Figure 3-2**; a 100-foot contour interval is used to show the relatively steep hydraulic gradient in the northwest around the Mission Creek GRF, 20-foot contour intervals are used to show the hydraulic gradient west, east, and south of the Mission Creek GRF, and 10-foot contour intervals are used for contours in the remainder of the Mission Creek Subbasin.



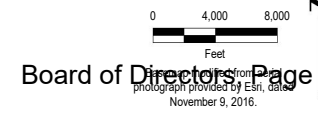


Map Name	Key Well (SWN)	Local Name	Screen Interval (feet bgs)
23N02	02S04E23N002S	Well No. 30	640 - 1,080
28J01	02S04E28J001S	Well No. 35	725 - 1,020
36D01	02S04E36D001S	Well No. 22	380 - 780
36K01	02S04E36K001S	Well No. 29	410 - 1,050
4P01	03S04E04P001S	PW2	430 - 1,010
11L04	03S04E11L004S	Well No. 31	270 - 1,000
12C01	03S04E12C001S	Well 3505	200 - 480
15R01	03S05E15R001S	15R01	200 - 400
17J01	03S05E17J001S	17J01	182 - 405

Notes:
 bgs = below ground surface.
 SWN=State Well Number

Explanation

- Other Agency Well
- ◆ Coachella Valley Water District - Key Well
- ◆ Mission Springs Water District - Key Well
- ◆ Desert Water Agency - Key Well
- Stream
- Highway/road
- ▨ Facility
- ▤ Low permeability/non-water bearing sediments/bedrock
- ▧ Mission Creek Subbasin fringe area
- ▩ Mission Creek Subbasin



KEY WELLS AND OTHER AGENCY WELLS WITH WATER LEVEL DATA
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 Figure 66

Date: 2/28/2024 Printed by: USMWW719917
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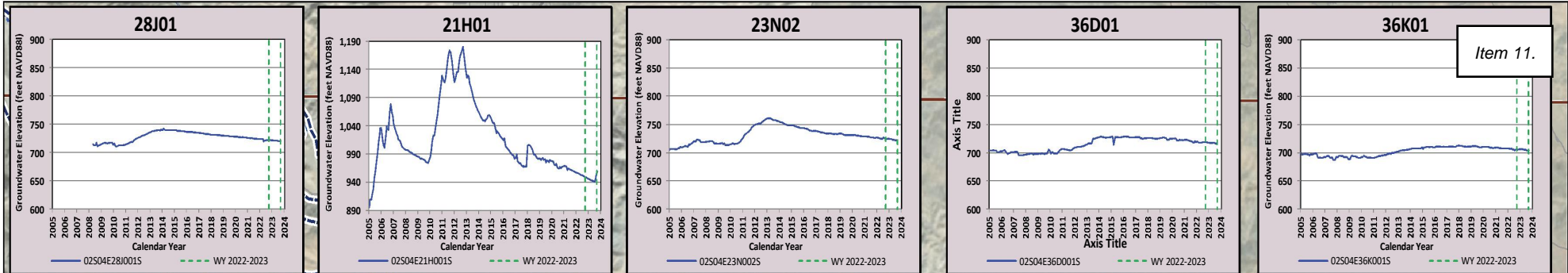
Average groundwater levels for the water year are presented because the Mission Creek Subbasin does not exhibit strong seasonal trends. Significant groundwater level fluctuations, however, are observed near the groundwater replenishment facility as groundwater levels respond directly to replenishment water deliveries and have varied by more than 100 feet during periods of high replenishment. Greater variability is also observed in areas of greater groundwater pumping. Throughout the remainder of the Mission Creek Subbasin, groundwater level variations in wells monitored during WY 2022-2023 were about 3.7 feet or less during the year. In addition to averaging groundwater elevations, the groundwater level data used for contouring are subject to other factors such as well construction, dates of measurement, spatial distribution, proximity to pumping wells, etc. Therefore, the contours shown on **Figure 3-2** reflect generalized conditions for the water year rather than a precise snapshot of groundwater elevations at a specific time.

Groundwater level trend plots for the nine Key Wells and well 02S04E21H001S (21H01) are shown as insets on **Figure 3-2** to provide historical context of groundwater elevation fluctuations over time. Although 21H01 is not a Key Well, it is shown to illustrate that historically high groundwater levels occurred near the Mission Creek GRF because of groundwater replenishment. Groundwater elevation contours were developed using professional hydrogeological judgment. For example, groundwater contours are terminated roughly perpendicular to faults that impede groundwater flow, and high groundwater elevations in the northwestern portion of the Mission Creek Subbasin are contoured to represent a recharge mound at the Mission Creek GRF superimposed on a natural steepening of the groundwater gradient toward the northwestern part of the Mission Creek Subbasin (MWH, 2013).

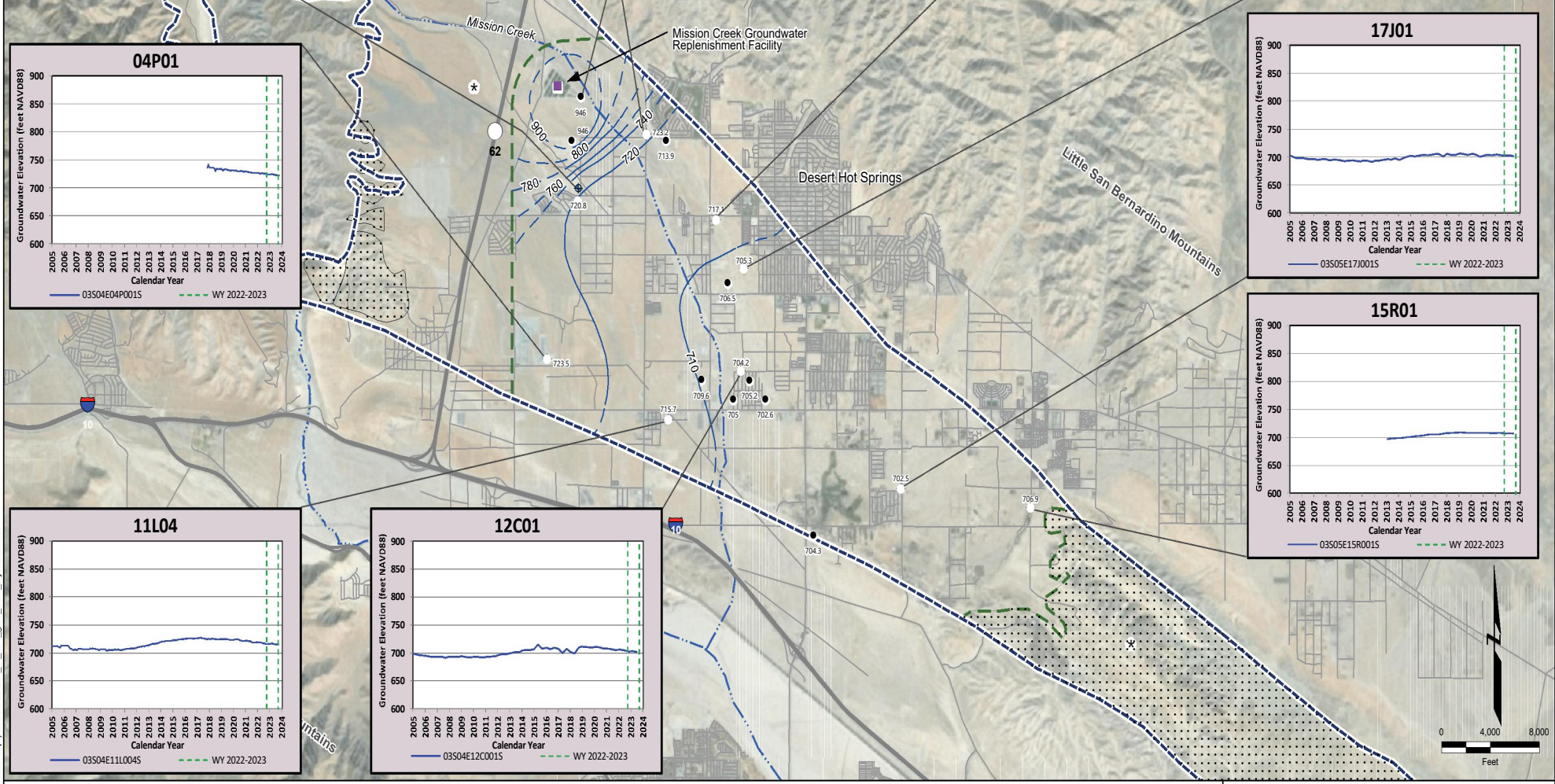
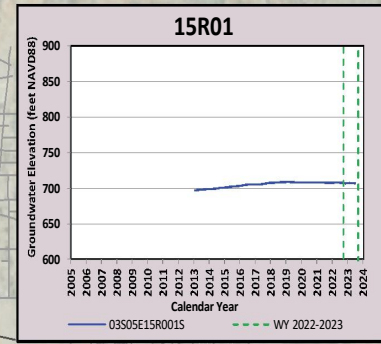
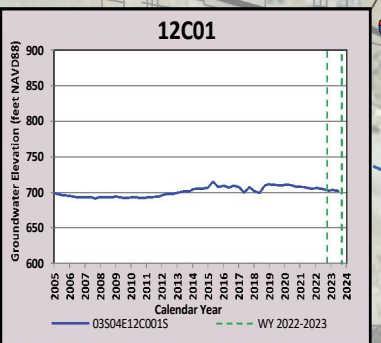
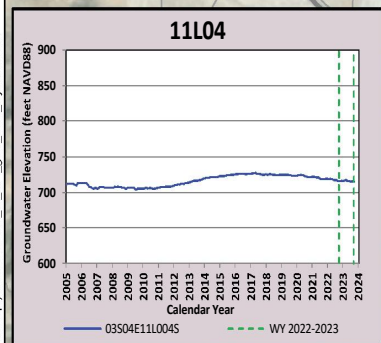
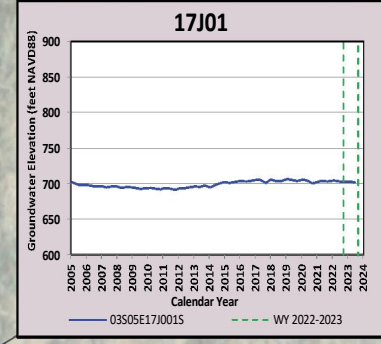
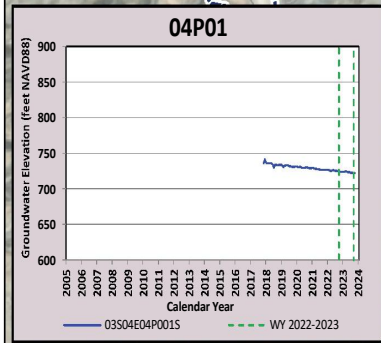
Groundwater elevation contours interpreted for WY 2022-2023 are similar to the contours interpreted previously for WY 2021-2022 (WSP, 2023). Similarities were expected based on comparable water management activities in the Subbasin, including moderate recharge at the Mission Creek GRF that occurred only during the latter half of the water year and similar groundwater pumping as the previous water year.

3.3 Hydrographs

Figure 3-3 presents a hydrograph of groundwater levels at well 21H01 near the Mission Creek GRF, alongside the annual recharge at the Mission Creek GRF. This figure shows long-term changes in the groundwater level near the facility. Hydrographs for the Key Wells are provided in **Appendix B**. Each hydrograph in **Appendix B** is marked with a vertical blue dashed line indicating the commencement of replenishment activities in the Mission Creek Subbasin at the Mission Creek GRF in 2002. The hydrographs indicate that groundwater levels throughout the Mission Creek Subbasin have either increased, stabilized, or remained relatively constant since the commencement of groundwater replenishment activities and conservation efforts (described in Section 9).



Item 11.



Explanation		
	Groundwater Replenishment Facility	
	Coachella Valley Water District - Key Well	
	Mission Springs Water District - Key Well	
	Desert Water Agency - Key Well	
	Other - Non Key Well	
	Mission Creek Subbasin	
	Water level data boundary line	
	Low permeability/non-water bearing sediments/bedrock	
	Water level data not available	
	Groundwater elevation contour (feet NAVD88)	
	Stream	
	Highway/road	
	Water level hydrograph for well indicated	

Notes

- Groundwater elevation in feet above North American Vertical Datum (NAVD88). Multiple contour intervals are used to accommodate groundwater gradient variation across the Subbasin. 100-foot contour interval for elevations greater than 800 feet NAVD88, 20-foot contour interval between 720 and 800 feet NAVD88, and 10-foot contour below 740 feet NAVD88. Contours dashed where projected.
- Water level boundary lines based on a lack of water level data. The eastern water level boundary line also corresponds to the boundary of low permeability sediments of the Indio Hills.

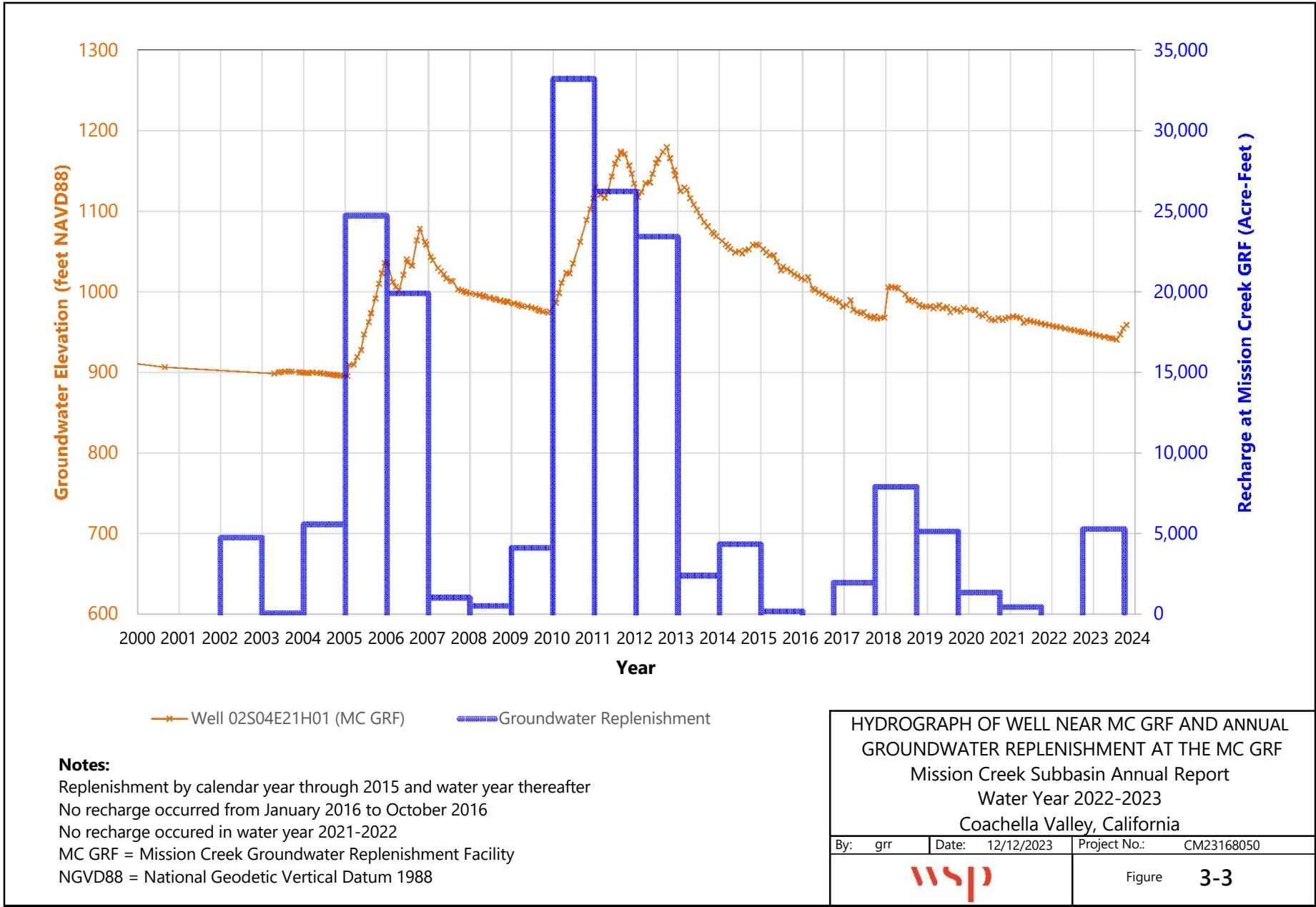
AVERAGE GROUNDWATER ELEVATION CONTOURS - WY 2022-2023
 Mission Creek Subbasin Annual Report
 Water Year 2022-2023
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By: MWW Date: 2/5/2024 Project No.: CM231

Figure **68**

Date: 2/28/2024. Printed by: USBMW19917 Path: Y:\IR18167\100 (Mission Creek Subbasin Rpt)\Esm\WY2023\lb_001_gws_cont_wy2023.mxd

Basemap modified from aerial photograph provided by Esri, dated November 9, 2016.



Section 4 – Groundwater Extraction

Section 356.2(b) of the Sustainable Groundwater Management Act (SGMA) Emergency Regulations requires:

A detailed description and graphical representation of the following conditions of the basin managed in the Plan: ...

(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

This section presents the groundwater extraction monitoring program results for the Mission Creek Subbasin (also referred to as the Subbasin) for Water Year (WY) 2022-2023.

During WY 2022-2023, 12,989 acre-feet (AF) of groundwater was extracted from 24 metered wells, and an estimated 500 AF from minimal pumpers,¹² for a total of 13,489 AF of groundwater production in the Mission Creek Subbasin. WY 2022-2023 total production was less than WY 2021-2022 production (14,234 AF) and the five-year average of total groundwater production (14,174 AF). Because the Coachella Valley Water District (CVWD) and Desert Water Agency (DWA) are authorized to collect replenishment assessments from groundwater producers, their respective legislations mandate the installation of water meters on all wells when the collective production for a producer's wells exceeds 25 acre-feet per year (AFY) in CVWD's service area, and 10 AFY in DWA's service area. **Table 4-1** summarizes groundwater pumping by water use sector. Approximately 90 percent of the metered groundwater produced in the Mission Creek Subbasin is produced for urban water use (as noted previously, municipal and recreational use are combined into the category of urban water use). The remaining approximately 10 percent of groundwater is produced for agricultural (metered), industrial (metered), or undetermined (estimated) purposes.

As indicated in **Table 4-1**, all production wells participating in the replenishment assessment programs are metered. As described above, an estimated 500 AFY of unreported groundwater pumping by minimal pumpers (less than 25 AFY in CVWD and 10 AFY in DWA) occurs in the Subbasin from unmetered wells.

Figure 4-1 presents a map showing the general locations of groundwater production in the Mission Creek Subbasin. This map summarizes the total WY 2022-2023 production within the Public Land Survey System sections (i.e., township, range, and sections). Sections are arranged in a grid and each section overlies an area of approximately one square mile. Where township sections extend beyond the Mission Creek Subbasin boundary, the sections have been trimmed to show only that part of the township section that overlies the Mission Creek Subbasin. Total groundwater production for each section is indicated by a color representing a range of production.

¹² As reported in the 2022 Alternative Plan Update, the amount of unmetered private well pumping in the Mission Creek Subbasin was estimated at approximately 480 AFY. This estimate agrees with previous estimates of approximately 500 AFY. Given the uncertainty in estimating this pumping, it is rounded to 500 AFY for WY 2022-2023.

**Table 4-1
 Groundwater Extractions by
 Water Use Sector in the Mission Creek Subbasin - WY 2022-2023**

Water Use Sector	Groundwater Extractions (AF)	Method of Measurement	Accuracy of Measurement⁴
Agriculture ¹	596	100% metered	±2%
Industrial	316	100% metered	±2%
Urban ²	12,077	100% metered	±2%
Environmental	0	Not applicable	Not applicable
Undetermined ³	500	100% estimated	±25%
Total Production	13,489		

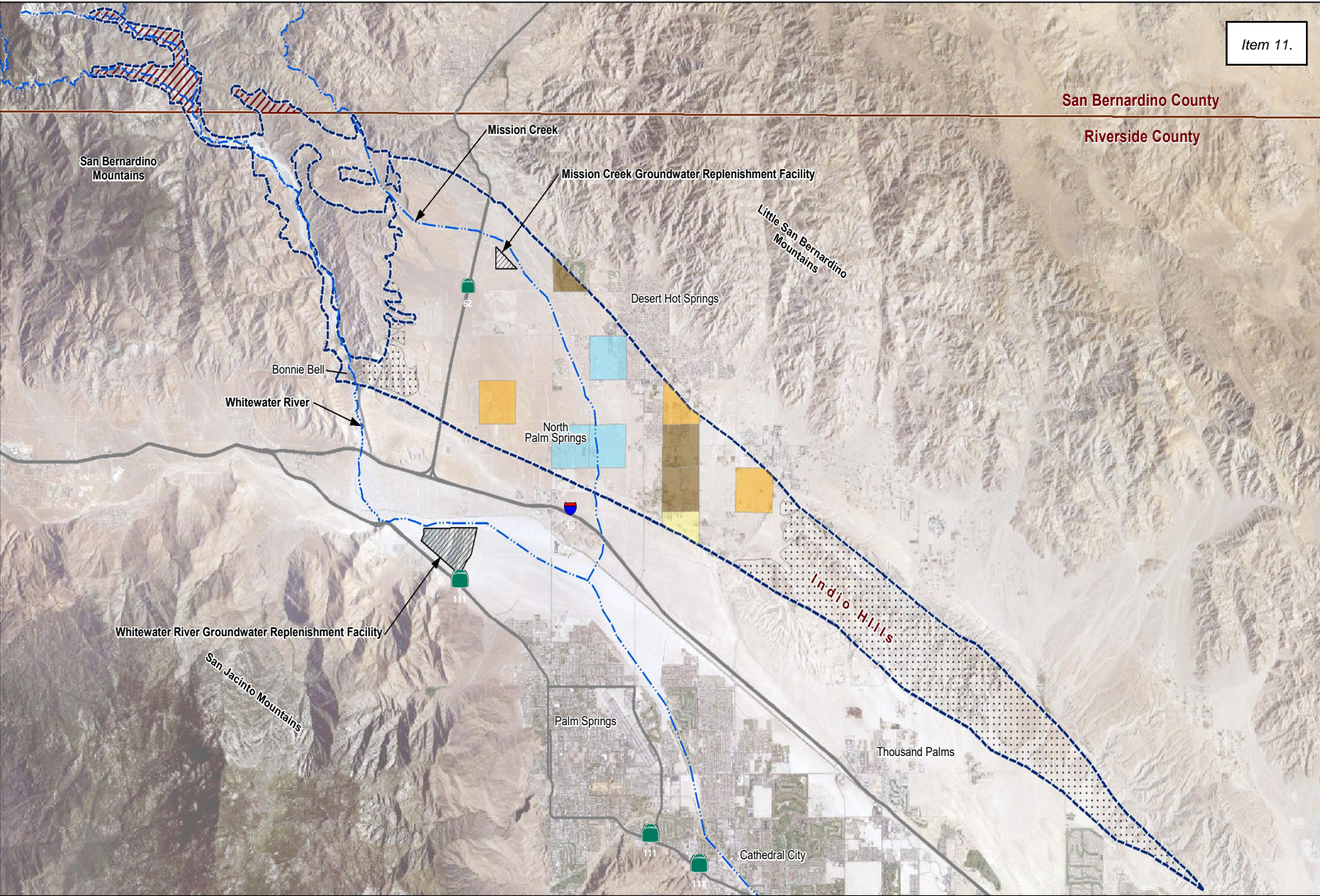
Notes:

1. Includes fish farms.
2. Includes municipal and recreational uses.
3. Estimated production by minimal pumpers who are not required to report production to CVWD (<25 AFY) or DWA (<10 AFY).
4. Percent values are approximate.



San Bernardino County

Riverside County



Explanation

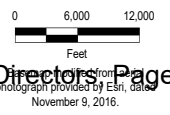
- Stream
- Facility
- Mission Creek Subbasin
- Low permeability/non-water bearing sediments/bedrock
- Mission Creek Subbasin fringe area

Highway/road

Groundwater Production by Area (Acre-Feet per Year)	
	10 - 100
	101 - 500
	501 - 1,000
	1,001 - 2,500
	2,501 - 4,000

Note:

Grid squares are based on township section and are approximately one square mile except where truncated by subbasin boundary. Total pumping is shown in sections where recent historical pumping exceeded minimal producer thresholds.



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photograph provided by Esri, dated November 9, 2016.

GROUNDWATER PRODUCTION
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By: MWW | Date: 2/28/2024 | Project No.: CM231

WSP

Figure

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Section 5 – Surface Water

Section 356.2(b)(3) of the Sustainable Groundwater Management Act (SGMA) Emergency Regulations requires:

A detailed description and graphical representation of the following conditions of the basin managed in the Plan: ...

(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

This section presents the surface water availability and use for the Mission Creek Subbasin for Water Year (WY) 2022-2023. For purposes of this report, surface water supplies consist of local surface water, imported water consisting of State Water Project (SWP) water exchanged for Colorado River water (SWP Exchange Water), and treated wastewater produced by publicly owned wastewater treatment plants.

5.1 Precipitation

Table 5-1 presents the monthly and annual precipitation data for areas in or near the Mission Creek Subbasin with rain gauge stations monitored by the Riverside County Flood Control and Water Conservation District (RCFCWCD) for WY 2022-2023. Precipitation on the local mountain watersheds generates runoff that infiltrates and contributes to groundwater recharge. The arid climate greatly reduces the contribution of direct precipitation as a source of recharge in general. Precipitation that occurred in the Mission Creek Subbasin during WY 2022-2023 based on three precipitation stations within or near the Mission Creek Subbasin included 6.05 inches (Edom Hill station), 8.05 inches (Desert Hot Springs station), and 30.86 inches (Whitewater North station). Among these precipitation stations, the Desert Hot Springs station is the only one with a sufficient record for comparison of annual values with its long-term average. The 8.05 inches of recorded precipitation at the Desert Hot Springs station in WY 2022-2023 is greater than the 63-year (water year) mean of 5.1 inches for this station.

5.2 Streamflow

The United States Geological Survey (USGS) measures streamflow at one gauging station in the Mission Creek Subbasin. This gauging station is located on Mission Creek, as shown on **Figure 2-3**. On February 14, 2019, runoff generated by a storm event altered the channel of Mission Creek at the gauging station to a degree that the USGS was no longer able to gauge streamflow at the former stream gauge location and relocated the stream gauge to its current location approximately 1.4 miles downstream to the southeast of the old location (see Figure 2-3) in December 2019 (Wood, 2021). **Figure 5-1** shows stream gauge flow by water year from WY 1967-1968 to WY 2021-2022 and the average stream flow for this period was 1,776 acre-feet per year (AFY). Figure 5-1 also shows the stream gauge flow of approximately 1,158 AF for a portion of the WY 2022-2023 through August 19, 2023. On August 20, 2023, the stream gauge was damaged by flooding resulting from Tropical Storm Hilary and no additional measurements of Mission Creek stream flow are available for the remainder of the water year. Because the period of measurement ended during a flood event, the actual Mission Creek stream flow for WY 2022 – 2023 was greater than the measured total by an unknown but likely significant amount. Alternative methods for estimating stream flow for WY 2022-2023 are being considered. The Agencies are aware that RCFCWCD is in discussions with the USGS to restore the stream gauge.

Table 5-1
Mission Creek Subbasin Area, Monthly and Annual
Precipitation (Inches) - WY 2022-2023

Station Name: Location:	Whitewater North Mission Creek Subbasin (inches)	Desert Hot Springs Desert Hot Springs Subbasin (inches)	Edom Hill Mission Creek Subbasin (inches)
October	0.3	0.17	0.42
November	1.67	0.19	0.10
December	2.60	0.77	0.47
January	7.59	1.11	0.53
February	5.75	1.01	0.76
March	5.15	0.93	0.76
April	0.01	0.00	0.00
May	0.18	0.00	0.00
June	0.00	0.00	0.00
July	0.20	0.03	0.00
August	6.77	3.42	2.96
September	0.64	0.42	0.05
Total	30.86	8.05	6.05
Average		14.99	

Note:

Data provided by RCFCWCD.

Table 5-2 presents the total estimated runoff through August 19, 2023, of 1,158 acre-feet (AF) for WY 2022-2023. In WY 2022-2023, CVWD began collecting flow readings at the previous USGS gauging station for comparison with the USGS reported flow at the current downstream gauging station. A comparison of flow data from the two locations suggests they are not directly comparable. Flows ranging from 0.9 cubic feet per second (cfs) on October 11, 2022, to 10.3 cfs on April 5, 2023, were measured by CVWD staff near the former gauging station with no or very low flow (0.01 cfs on April 5, 2023)¹³ reported by the USGS at the current gauging station approximately 1.4 miles downstream (Figure 2-3). Although lower flow farther downstream is expected due to infiltration of the streamflow into the alluvial sediments along the stream path, the Agencies want to understand how the historical record may be compared to data collected at the new gauging location. The Agencies plan to discuss monitoring the surface flow in Mission Creek with the USGS in WY 2023-2024.

Stream flow in the Mission Creek stream channel naturally replenishes the Mission Creek Subbasin. Although Mission Creek streamflow runoff is quantified in this Annual Report, it is not used in the water balance (Section 7). It is included as part of the natural recharge component simulated in the updated groundwater model for the Mission Creek Subbasin, which includes mountain front recharge (surface and

¹³ USGS data from https://waterdata.usgs.gov/ca/nwis/inventory/?site_no=10257600.



subsurface inflow) from all watersheds with inflow to the Mission Creek Subbasin. There is no direct use of local surface water in the Mission Creek Subbasin.

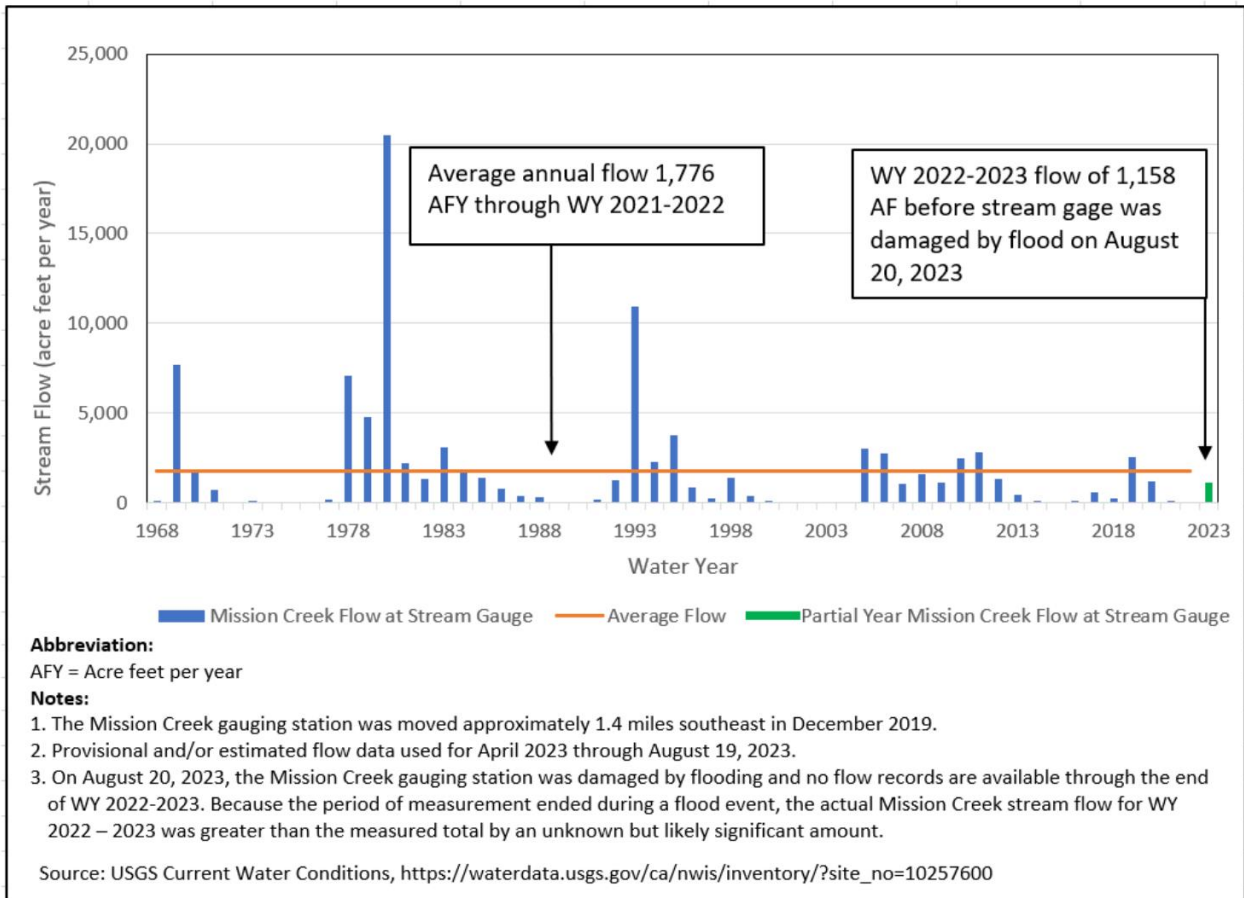
**Table 5-2
 Local Streamflow Data in the Mission Creek Subbasin – WY 2022-2023**

Gauge Number	Gauge Name	Stream Flow (AF)
10257600	Mission C Nr Desert Hot Springs CA	1,158 ¹

Notes:

1. Gauged stream flow through August 19, 2023. Gauging station was damaged on August 20, 2023 by flooding and no additional data are available for stream gauge flow through the remainder of the water year. Because the period of measurement ended during a flood event, the actual Mission Creek stream flow for WY 2022 – 2023 was greater than the measured total by an unknown but likely significant amount.

**Figure 5-1
 Measured Stream Flow at the Mission Creek Gauge Station**



5.3 Imported Water Deliveries

In addition to natural replenishment from precipitation and stream flow, the Mission Creek Subbasin receives artificial replenishment from the importation of State Water Project (SWP) Exchange Water. The Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) provide artificial replenishment of the Mission Creek Subbasin through their Groundwater Replenishment Programs (GRPs). Groundwater replenishment is accomplished through direct replenishment, in which imported surface water is infiltrated directly into the aquifer.

The CVWD and DWA each have a Water Supply Contract with the California Department of Water Resources (CDWR) for SWP water with a combined Table A Amount¹⁴ of 194,100 acre-feet per year (AFY) as shown in **Table 5-3**, which includes 100,000 AFY transfer from MWD under the Agreement for Exchange and Advance Delivery of Water. There are no physical facilities to deliver SWP water to the Coachella Valley. Rather than construct physical connections to the SWP, CVWD, and DWA entered into separate agreements in 1967 with the Metropolitan Water District of Southern California (MWD), under which CVWD and DWA deliver their SWP water to MWD, and in exchange, MWD delivers an equal amount of Colorado River water to CVWD and DWA. The original 1967 Exchange Agreements have been updated over the years, most recently in 2019. CVWD’s and DWA’s SWP Exchange Water is delivered at the Whitewater River and Mission Creek turnouts from MWD’s Colorado River Aqueduct (CRA), which extends from Lake Havasu through the Coachella Valley to MWD’s Lake Mathews.

SWP Exchange Water has been used to recharge the Mission Creek Subbasin at the Mission Creek Groundwater Replenishment Facility (GRF) since 2002. The MWD, DWA, and CVWD executed an Advance Delivery Agreement in 1984 that allows the MWD to pre-deliver up to 600,000 acre-feet (AF) of SWP water into the Coachella Valley. The MWD then has the option to deliver CVWD’s and DWA’s SWP allocation either from the CRA or from previously stored groundwater in the basin (i.e., credit from advance deliveries). This agreement was subsequently amended to increase the pre-delivery amount to a maximum of 800,000 AF.

**Table 5-3
 State Water Project Table A Amounts**

Agency	Acre Feet Per Year					Total
	Original SWP Table A	Tulare Lake Basin Transfer #1	Tulare Lake Basin Transfer #2	Metropolitan Transfer	Berrenda Mesa Transfer	
CVWD	23,100	9,900	5,250	88,100	12,000	138,350
DWA	38,100	--	1,750	11,900	4,000	55,750
Total	61,200	9,900	7,000	100,000	16,000	194,100

¹⁴ Each SWP contract contains a “Table A” exhibit which defines the maximum annual amount of water each contractor can receive excluding certain interruptible deliveries. Table A amounts are used by the CDWR to allocate available SWP supplies and some of the SWP project costs among the contractors.



Each year, the CDWR determines the amount of water available for delivery to SWP contractors based on hydrology, reservoir storage, the requirements of water rights licenses and permits, water quality, and environmental requirements for protected species in the Sacramento-San Joaquin Delta. The available supply is then allocated according to each SWP contractor's Table A Amount. For 2023, the CDWR initially allocated 5 percent of Table A amounts to contractors. The allocation increased to 30 percent in January 2023, 35 percent in February 2023, 75 percent in March 2023, and then to 100 percent in April 2023 (CDWR, 2024).

During WY 2022-2023, as shown in **Table 5-4**, the MWD received, on behalf of CVWD and DWA, 35,625 AF of SWP water. On behalf of CVWD, the MWD received 2,500 AF of Rosedale-Rio Bravo water. MWD also received, on behalf of CVWD, 104,994 AF of MWD Table A water transferred to CVWD under the Quantification Settlement Agreement (QSA) provided as SWP Exchange Water. The total deliveries of SWP Exchange Water to the MWD for WY 2022-2023 were 156,718 AF. The 2019 Second Amendment to the Delivery and Exchange Agreement (CVWD, 2019) states CVWD will receive 15,000 AFY of the 20,000 AFY from the 1988 MWD/IID Approval Agreement at the Whitewater River GRF from calendar year 2020 through calendar year 2026; MWD retains 5,000 AFY. Additional water may be delivered at the discretion of MWD, which was the case in WY 2022-2023, with MWD's delivery of 36,371 AF from the 1988 MWD/IID Approval Agreement. Including this transfer, the total exchanged with MWD in WY 2022-2023 was 193,089 AF.

The provisions of the Advance Delivery agreement allow CVWD and DWA to receive direct deliveries of SWP Exchange Water or water delivered from the Advance Delivery Account. As shown in **Table 5-4**, the Advance Delivery Account was deducted 19,219 AF that had been pre-delivered to CVWD and DWA. Of the 173,870 AF of exchanged water remaining after deduction from the Advance Delivery Account, 168,594 AF were delivered to the Whitewater River GRF, and 5,276 AF were delivered to the Mission Creek GRF.



**Table 5-4
 Deliveries of CVWD and DWA State Water Project Water
 to Metropolitan Water District - WY 2022-2023**

Description	CVWD (AF)	DWA (AF)	Total (AF)
Table A	25,389	10,236	35,625
Article 21 "Interruptible"	9,693	3,906	13,599
Turnback Pool A and B	0	0	0
Multi-Year Pool	0	0	0
Dry Year (Yuba)	0	0	0
Flex Storage Payback	0	0	0
Article 56 (c) "Carryover" from 2019 delivered in 2020	0	0	0
Rosedale-Rio Bravo	2,500	0	2,500
CVWD QSA Transfer	104,994	0	104,994
Total Delivered to MWD	142,576	14,142	156,718
1988 MWD/IID Approval Agreement Exchange	36,371	--	36,371
Total Exchanged			193,089
Water Delivered to CVWD and DWA at Whitewater River GRE	--	--	168,594
Water Delivered to CVWD and DWA at Mission Creek GRE	--	--	5,276
Total Water Delivered to Coachella Valley			173,870
Credit to/from Advance Delivery Account¹			-19,219

Notes:

1. Credit to/from Advance Delivery Account is the difference between Total Water Delivered to Coachella Valley and Total Exchanged.

Table 5-5 summarizes the imported water deliveries to the Mission Creek Subbasin for replenishment in WY 2022-2023. Total imported water deliveries were 5,276 AF, all for aquifer recharge. Historically, the Mission Creek GRF has recharged an average of about 7,830 AFY with as much as 33,200 AFY as a part of advance deliveries.



**Table 5-5
 Imported Water Use in the Mission Creek Subbasin - WY 2022-2023**

Water Use Sector	Water Source	Imported Water Use (AF)	Method of Measurement	Accuracy of Measurement ¹
Aquifer Recharge	SWP Exchange Water	5,276	100% metered	±2%
Total Imported Water		5,276		

Notes:

1. Percent values are approximate.

5.4 Recycled Water

There is no recycled water use in the Mission Creek Subbasin. However, the municipal wastewater treated in the Mission Creek Subbasin is disposed of through percolation/evaporation ponds at the treatment plants. The disposal volumes in WY 2022-2023 are listed in **Table 5-6**. In WY 2022-2023, a total of 2,254 AF of wastewater was treated, all of which was disposed through percolation/evaporation.¹⁵

**Table 5-6
 Wastewater Treatment and Disposal in the
 Mission Creek Subbasin - WY 2022-2023**

Water Treatment Plant	Wastewater Treatment and Disposal (AF)
MSWD – Horton WWTP	2,204
MSWD – Desert Crest WWTP	50
Total	2,254

¹⁵ The evaporation component is calculated based on volume of total percolated effluent as described in Section 7.



Section 6 – Total Water Use

Section 356.2(b)(4) of the Sustainable Groundwater Management Act (SGMA) Emergency Regulations requires:

A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

This section presents the total water use for the Mission Creek Subbasin (also referred to as the Subbasin) for Water Year (WY) 2022-2023. For purposes of this report, water use is only direct water use (i.e., consumptive use). There is no direct use of surface water in the Mission Creek Subbasin.

Table 6-1 lists the net water use by sector, the source type of the water, the method of measurement, and the estimated accuracy of the measurements. The information presented in this table is derived from the tables in Sections 4 and 5. No groundwater was imported to the Mission Creek Subbasin in WY 2022-2023. Water was exported from the Mission Creek Subbasin for use in the adjacent Garnet Hill Subarea of the Indio Subbasin and in communities of the Desert Hot Springs Subbasin. The Garnet Hill Subarea and the communities of the Desert Hot Springs Subbasin are in the planning area defined in the Mission Creek Alternative Plan Update (2022 Alternative Plan Update [Wood and Kennedy Jenks, 2021]). The quantity exported is shown in a separate column as a negative value in **Table 6-1** indicating that it is deducted out of the total water use in the Mission Creek Subbasin. Note that aquifer recharge is not included in this table because it is not a direct use of water in the Mission Creek Subbasin. In the Mission Creek Subbasin, imported water consists of State Water Project (SWP) water that is exchanged with the Metropolitan Water District of Southern California (MWD) for Colorado River water from MWD’s Colorado River Aqueduct (SWP Exchange Water). SWP Exchange Water is only used for aquifer recharge and treated wastewater is not recycled for direct use; however, the disposal of wastewater in the Mission Creek Subbasin results in return flow through percolation.

Table 6-1 shows that groundwater production amounted to 13,489 acre-feet (AF) for direct use in WY 2022-2023. **Table 6-1** also shows 6,194 AF of groundwater were exported from the Mission Creek Subbasin by the Coachella Valley Water District (CVWD) and Mission Springs Water District (MSWD). Exports included 6,146 AF to the Desert Hot Springs Subbasin by CVWD and MSWD to meet water demands and 48 AF to the Garnet Hill Subarea of the Indio Subbasin by MSWD to partially meet demands. Total direct use for WY 2022-2023 in the Mission Creek Subbasin was 7,295 AF.



**Table 6-1
 Total Direct Water Use by Sector and Source in the Mission Creek Subbasin - WY 2022-2023**

Water Use Sector	Water Source		Exported for Use Outside Subbasin ² (AF)	Total Water Use Within Subbasin ³ (AF)	Method of Measurement	Accuracy of Measurement ⁴
	Groundwater Production (AF)	Groundwater from Adjacent Subbasins ¹ (AF)				
Agriculture⁵	596	0	0	596	100% metered	±2%
Industrial	316	0	0	316	100% metered	±2%
Urban⁶	12,077	0	-6,194	5,883	See note 6	See note 6
Environmental	0	0	0	0	Not applicable	Not applicable
Undetermined⁷	500	0	0	500	100% estimated	±25%
Total	13,489	0	-6,194	7,295		

Notes:

1. No groundwater was imported from adjacent Subbasins to the Mission Creek Subbasin in WY 2022-2023.
2. Exported water is delivered to customers overlying the adjacent Desert Hot Springs Subbasin, which is part of the 2022 Alternative Plan Update planning area and is estimated based on customer billing records and non-revenue water values from annual water distribution system audits. Groundwater was also exported to the Garnet Hill Subarea of the Indio Subbasin based on customer billing records.
3. Total Water Use within the Mission Creek Subbasin is the sum of Groundwater Production in the Mission Creek Subbasin and Imported from Adjacent Subbasins (zero in WY 2022-2023) less Water Exported for Use Outside the Mission Creek Subbasin.
4. Percent values are approximate.
5. Includes fish farms.
6. Includes municipal and recreational uses. Measurement is based on urban pumping that is 100% metered and on metered consumption in communities outside the Subbasin corrected for system water loss. The accuracy of metered groundwater production is ±2%. See note 2 regarding the measurement of exported water.
7. Estimated production by minimal pumpers who are not required to report production to CVWD (<25 AFY) or DWA (<10 AFY).



Section 7 – Groundwater Balance and Change in Groundwater Storage

Section 356.2(b)(4) of the Sustainable Groundwater Management Act (SGMA) Emergency Regulations requires:

A detailed description and graphical representation of the following conditions of the basin managed in the Plan: ...

(5) Change in groundwater in storage shall include the following:

(A) Change in groundwater in storage maps for each principal aquifer in the basin.

(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

This section presents the groundwater balance and change in storage for the Mission Creek Subbasin (also referred to as the Subbasin) for Water Year (WY) 2022-2023. A groundwater balance is a budget comparing inflows of groundwater into a basin/subbasin against outflows of groundwater from the basin/subbasin. The difference between inflows and outflows for a given period (typically one year) is defined as the change in storage for that period.

7.1 Groundwater Inflows

Mission Creek Subbasin groundwater inflows consist of:

- Mountain front inflow and infiltration.
- Inflows from adjacent subbasins.
- Infiltration of return flows from use (e.g., urban and agricultural use).
- Artificial recharge.

Groundwater inflows are described by category in the following subsections.

7.1.1 Mountain Front Recharge

Precipitation in the bordering San Bernardino Mountains produces surface runoff and subsurface inflow, which are the principal natural sources of recharge to the Mission Creek Subbasin. The volume of this natural recharge referred to as mountain front recharge varies dramatically annually due to wide variations in precipitation. Outside of the Whitewater River channel area, where there is a potentially limited hydrogeologic connection with the main part of the Mission Creek Subbasin, the only perennial flow is limited to Mission Creek, and this perennial flow only occurs at the upper reaches of the creek outside of the Mission Creek Subbasin.

In Annual Reports prior to the Annual Report for WY 2020-2021, the annual natural recharge estimates were 7,500 acre-feet per year (AFY).¹⁶ An update to the Mission Creek Subbasin groundwater model in the Mission Creek Subbasin Alternative Plan Update (2022 Alternative Plan Update; [Wood and Kennedy

¹⁶ Based on groundwater modeling and analyses performed for the Mission Creek-Garnet Hill Water Management Plan (MWH, 2013; Psomas, 2013).

Jenks, 2021)) included a new methodology for calculating mountain front recharge using the United States Geological Survey (USGS) Basin Characterization Model (BCM). The BCM is a grid-based model that utilizes the Parameter-elevation Relationships on Independent Slopes Model (PRISM) monthly 800 x 800-meter grid precipitation data set compiled by the PRISM Climate Group, Oregon State University. BCM calculates the monthly water balance for California watersheds using climate inputs including local stream gauge data and PRISM precipitation, minimum and maximum air temperature, evapotranspiration, and topography (USGS, 2021). Natural recharge estimates beginning in the Annual Report for WY 2020-2021 are based on the BCM-calculated average mountain front recharge of 5,700 AFY for the 25-year period 1995 through 2019 as documented in the updated groundwater model for the Mission Creek Subbasin. The decrease in the average natural recharge results from using a shorter, more recent period that has been dominated by hydrologic conditions that are drier than the long-term average of years since 1978.

Although direct precipitation occurs across the surface of the Mission Creek Subbasin, the arid conditions and the significant depth to groundwater across most of the Subbasin preclude substantial deep direct percolation of precipitation to groundwater under typical conditions. The limited precipitation that falls on the Subbasin floor is readily absorbed into the dry near-surface soils and is subject to evaporation. Under rare wet precipitation years, sustained precipitation events and multiple precipitation events result in the ponding of water on the valley floor and provide more substantial recharge contributions.

7.1.2 Inflows from Adjacent Subbasins

Inflow from outside the Mission Creek Subbasin consists of natural underflow from the adjacent Desert Hot Springs Subbasin across the Mission Creek fault. This inflow was estimated using the updated groundwater model documented in the 2022 Alternative Plan Update. The value was estimated using model results for simulated underflow from 2019 and rounded to the nearest 50 AFY. The period 2019 is the most recent simulation in the updated groundwater model and the most representative of current conditions. Underflow from the Desert Hot Springs Subbasin into the Mission Creek Subbasin for WY 2022-2023 is estimated to have been about 1,150 AFY (Table 7-1). This is a relatively small component of the water balance (less than 3 percent) and is relatively stable. From 2009 to 2019, the underflow ranged from 1,128 AFY to 1,291 AFY and averaged 1,178 AFY.

Table 7-1
Estimated Subsurface Inflow from Adjacent Subbasins into the
Mission Creek Subbasin - WY 2022-2023

Mission Creek Subbasin Boundary	Estimated Subsurface Inflow (AF)
Desert Hot Springs Subbasin to Mission Creek Subbasin	1,150 ¹

Notes:

1. Based on the simulated subsurface underflow in 2019 (Wood and Kennedy Jenks, 2021) and rounded to the nearest 50 AF.



7.1.3 Return Flows from Use

Return flow for water use in the Mission Creek Subbasin is the difference between the amount of water applied for irrigation (agricultural, golf course, or urban) and the amount consumed by plants to satisfy their evapotranspiration requirement. Water is also returned to the Mission Creek Subbasin through percolation of treated wastewater and septic tank return flows. For this report, a relatively rigorous calculation of return flows¹⁷ for the infiltration of applied irrigation water was used that considers types of water use, irrigation efficiency, and water conservation impacts. For WY 2022-2023, the irrigation component of the return flow for overlying use with the Mission Creek Subbasin (i.e., excluding water exported to the Desert Hot Springs Subbasin) was 1,341 AF.

Other components of return flows are wastewater disposal and septic return flow. Portions of the Mission Creek Subbasin and Desert Hot Springs Subbasin are served by municipal sewer systems that convey wastewater to municipal treatment plants operated by the Mission Springs Water District (MSWD). All treated wastewater is disposed of in percolation/evaporation ponds located within the Mission Creek Subbasin, as described in Section 5. Wastewater disposal to percolation/evaporation ponds was 2,254 AF in WY 2022-2023 (evaporation is accounted for based on an evaporation factor applied to the total amount of wastewater disposal by percolation; see Section 7.2.2). Portions of the Mission Creek Subbasin that do not currently have access to the sewer systems use septic tank/leachfield systems to treat and dispose of wastewater. It is estimated that about 900 AF of septic effluent was discharged to the Mission Creek Subbasin in WY 2022-2023 based on the estimated number of water users with septic tanks, including unmetered minimal pumpers. For WY 2022-2023, the total return flows to the Mission Creek Subbasin, including infiltration of applied irrigation water (1,341 AF), wastewater percolation (2,254 AF), and septic tank percolation (900 AF), was 4,495 AF, or approximately 40 percent of the total inflow budget for WY 2022-2023 (not including inflow from groundwater replenishment).

Both return flows and wastewater disposal are affected by water use efficiency and overall demands. As conservation efforts increase, groundwater production and the amount of return flow will decrease, reducing groundwater outflows from pumping and return inflows to the Mission Creek Subbasin.

7.1.4 Artificial Recharge

Artificial recharge is performed at the Mission Creek Groundwater Replenishment Facility (Mission Creek GRF) using State Water Project (SWP) Exchange Water as described in Section 5. Recharge at the Mission Creek GRF is variable based on the availability of SWP Exchange Water and deliveries by the Metropolitan Water District of Southern California (MWD). During WY 2022-2023, a total of 5,276 AF of imported water was recharged at the Mission Creek GRF.

7.1.5 Summary of Groundwater Inflows

Mountain front recharge in the amount of 5,700 AF is based on a 25-year average of mountain front recharge for the period 1995 through 2019 using the BCM documented in the updated Mission Creek Subbasin groundwater model. Subsurface inflows from adjacent subbasins (1,150 AF) are based on 2019 inflow as derived from the updated Mission Creek Subbasin groundwater model presented in the 2022

¹⁷ Return flow calculations are documented in Appendix B, Computation of Non-Consumptive Return, in: Engineer's Report on Water Supply and Replenishment Assessment 2018-2019, prepared by Krieger & Stewart Engineering Consultants (K&SEC) and Stantec (K&SEC and Stantec, 2018) and in K&SCE and Stantec, 2017.



Alternative Plan Update. Combined, these inflows are considered natural inflows, totaling 6,850 AF for WY 2022-2023. Return flows from use are based on WY 2022-2023 data and include an irrigation return component of 1,341 AF, a wastewater treatment management component of 2,254 AF, and a septic system component of 900 AF. The combined inflow for return flows from these uses for the water year is 4,495 AF. Artificial recharge for WY 2022-2023 totaled 5,276 AF. The estimated total WY 2022-2023 groundwater inflow to the Mission Creek Subbasin based on natural recharge, returns from use, and artificial recharge is 16,621 AF.

7.2 Groundwater Outflows

Mission Creek Subbasin groundwater outflows consist of:

- Groundwater pumping to meet customer demands.
- Evaporative losses from recharge and percolation facilities.¹⁸
- Evapotranspiration from vegetation in shallow groundwater areas.
- Natural subsurface outflow from the Mission Creek Subbasin into the adjacent subbasins.

Groundwater outflows are described by category in the following subsections.

7.2.1 Groundwater Pumping

Groundwater pumping refers to the amount of groundwater pumped for agricultural, industrial, urban, and other uses. Groundwater pumping is the largest component of outflow from the Mission Creek Subbasin. During WY 2022-2023, a total of 13,489 AF of groundwater was pumped for beneficial uses within the Mission Creek Subbasin or for beneficial use in the adjacent Desert Hot Springs Subbasin and Garnet Hill Subarea of the Indio Subbasin.

7.2.2 Evapotranspiration and Evaporation

Native vegetation on undeveloped land receives its water supply from precipitation and shallow groundwater. Prior to the WY 2020-2021 Annual Report, evapotranspiration from vegetation was estimated at 900 AFY using a long-term average modeled evapotranspiration (Psomas, 2013). Beginning for WY 2020-2021 and for WY 2022-2023, the evapotranspiration was estimated at 950 AF using the evapotranspiration derived from the updated Mission Creek Subbasin model for 2019 (presented in the 2022 Alternative Plan Update) and rounded to the nearest 50 AF. The year 2019 was selected because it is the most recent year simulated by the updated groundwater model and is most representative of current conditions.

In addition to evapotranspiration, a portion of the imported water used for recharge (2 percent) is estimated to be lost to evaporation. Similarly, a portion of the wastewater disposal (3 percent) is estimated to be lost to evaporation. The basin outflows from evaporation of these two operations are estimated at approximately 173 AF for WY 2022-2023.

¹⁸ Evaporative losses from recharge and percolation facilities are shown as groundwater outflows for the purpose of these calculations. They are outflows from the subbasin.

7.2.3 Subsurface Outflow from the Mission Creek Subbasin

Subsurface outflows from the Mission Creek Subbasin occur primarily across the Banning fault and through semi-permeable sediments of the Indio Hills. Combined, these outflows were estimated to have been 5,100 AFY during previous years based on the long-term average modeled outflow (Psomas, 2013). For WY 2022-2023, the total outflow was estimated based on the outflows for 2019 in the updated Mission Creek groundwater model described in the 2022 Alternative Plan Update rounded to the nearest 50 AF. The combined subsurface outflow across the Banning fault and Indio Hills for WY 2022-2023 is estimated to be 2,350 AF. A breakdown of this outflow is provided by area in the following paragraph.

The Banning fault, separating the Mission Creek Subbasin from the Indio Subbasin (and Garnet Hill Subarea of the Indio Subbasin), is not impermeable to groundwater flow. Groundwater elevation differences ranging from 100 to 300 feet across the Banning fault result in subsurface outflow from the Mission Creek Subbasin to the Indio Subbasin. The updated groundwater model in the 2022 Alternative Plan Update indicates that the estimated subsurface outflow across the fault in 2019 was about 2,000 AF. For this same period, the updated model estimates an outflow into the semi-permeable sediments of the Indio Hills of about 350 AF.

**Table 7-2
 Estimated Subsurface Outflows from the
 Mission Creek Subbasin – WY 2022-2023**

Mission Creek Subbasin Boundary	Estimated Subsurface Outflow (AF)
Mission Creek Subbasin to Indio Subbasin/Garnet Hill Subarea	2,000 ¹
Mission Creek Subbasin to Indio Hills	350 ¹
Total Boundary Outflow	2,350

Notes:

1. Based on the subsurface underflow from 2019, derived from the updated Mission Creek Subbasin groundwater model in the 2022 Alternative Plan Update rounded to the nearest 50 AF.

7.2.4 Summary of Groundwater Outflows

Pumping records for the water year and estimates of unreported groundwater pumping indicate groundwater outflow from pumping was 13,489 AF. Outflows from evaporation associated with facilities for wastewater treatment and artificial recharge are 173 AF based on WY 2022-2023 operation data. Evapotranspiration was estimated at 950 AF. Outflows resulting from subsurface flow out of the Mission Creek Subbasin into adjacent subbasins and into the semi-permeable sediments in the Indio Hills portion of the Mission Creek Subbasin were estimated at 2,350 AF. Both evapotranspiration and subsurface flow are based on estimates for 2019 using the updated groundwater model documented in the 2022 Alternative Plan Update. The total outflow from subsurface outflow, evapotranspiration, and evaporation from wastewater treatment and imported water recharge is 3,473 AF. With groundwater pumping added, the total WY 2022-2023 groundwater outflow from the Mission Creek Subbasin is 16,962 AF.



7.3 Annual Change in Groundwater Storage

The annual change in groundwater storage represents the difference between inflows and outflows in the Mission Creek Subbasin. During wet years or periods of high artificial recharge, the change in storage is positive (water in storage increases). In dry years or periods of lower artificial recharge, the change in storage is often negative (storage decreases). The calculated change in groundwater storage in the Mission Creek Subbasin for WY 2022-2023 is a decrease of 341 AF. As described in Section 7.1.1, the long-term average of mountain front recharge is used for the water balance and change in storage calculations in the annual reports. Therefore, the natural recharge that occurred as a result of very heavy precipitation and runoff late in WY 2022 -2023 is not reflected in this calculated change in storage. A breakdown of the water balance components for WY 2022-2023 is provided in **Table 7-3**. A generalized graphical representation of the water balance components is provided on **Figure 7-1**.

**Table 7-3
 Groundwater Balance in the Mission Creek Subbasin - WY 2022-2023**

Component	WY 2021-2022 (AF)
Inflows	
Natural inflows - mountain front recharge	5,700
Subsurface inflows from adjacent subbasins	1,150
Infiltration of applied irrigation water	1,341
Wastewater percolation	2,254
Septic tank percolation	900
Artificial recharge	5,276
Total Inflow	+16,621
Outflows	
Groundwater pumping	13,489
Evaporative losses	173
Evapotranspiration from the shallow aquifer	950
Subsurface outflow to adjacent subbasins	2,350
Total Outflow	-16,962
Change in Groundwater Storage	-341



Figure 7-1
Annual Groundwater Balance in the Mission Creek Subbasin - WY 2022-2023

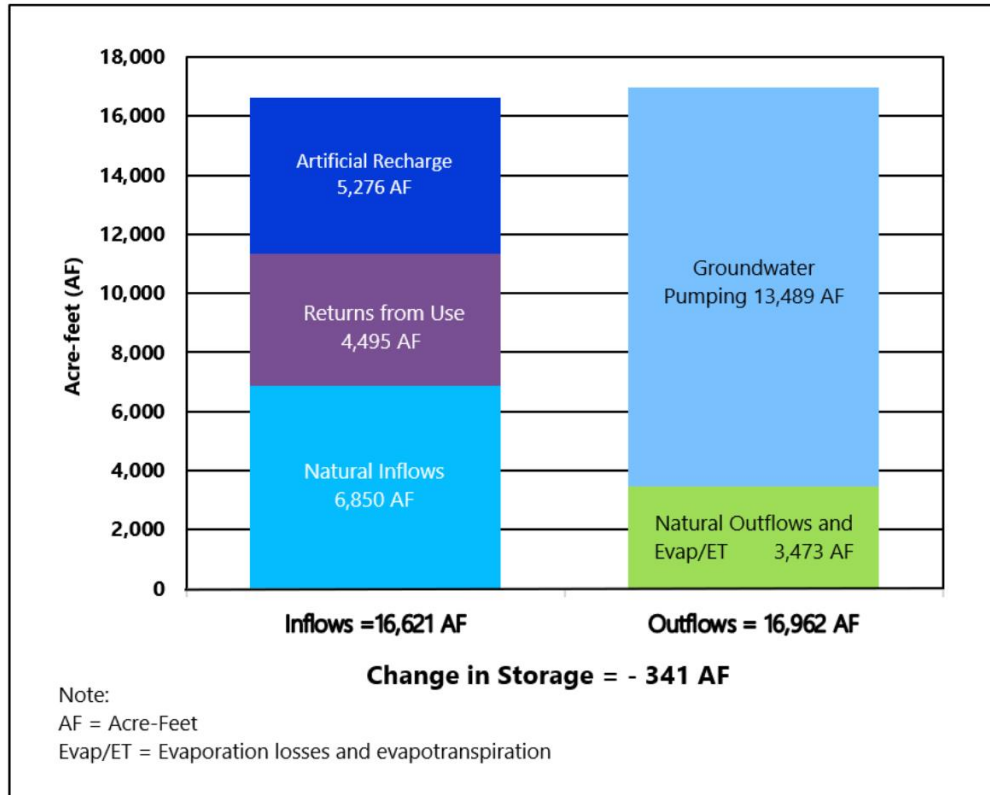
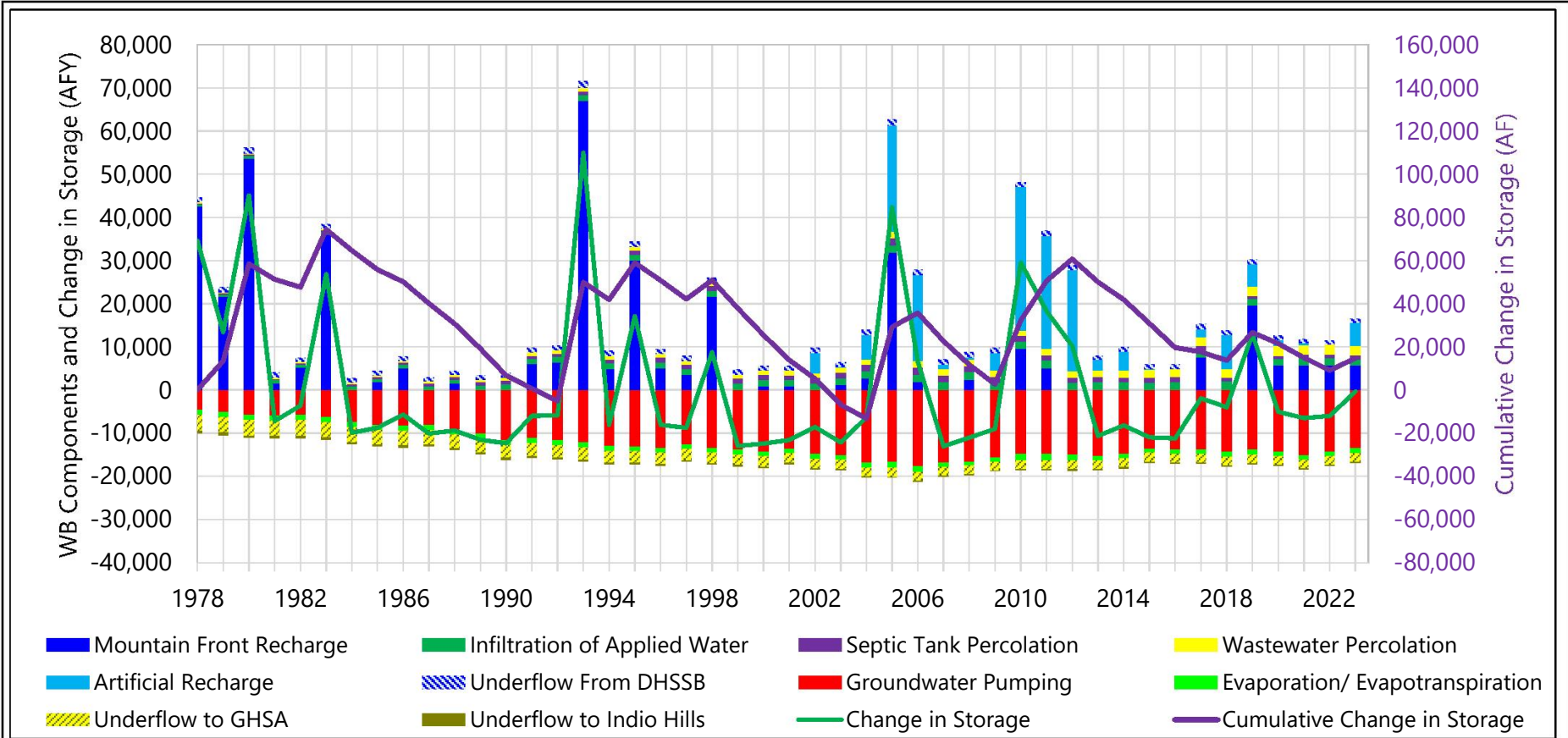


Figure 7-2 shows the water balance components, change in groundwater storage, and cumulative change in storage in the Mission Creek Subbasin from 1978 to the present. The chart begins in 1978 because relatively complete and reliable groundwater production records were available for the Mission Creek Subbasin from that point forward. Mountain front recharge into the Mission Creek Subbasin was estimated for each year through and including 2019 using USGS BCM, and the BCM data, were in turn, used in the updated Mission Creek Subbasin groundwater model, documented in the 2022 Alternative Plan Update, to derive subsurface flow each year into and out of the Mission Creek Subbasin. This approach to displaying the groundwater balance components, change in groundwater storage and cumulative change in groundwater storage using annual estimates derived from the updated groundwater model for 1978 through 2019 is based on estimated values rather than long-term averages and, therefore, shows greater fluctuations for mountain front recharge, change in storage, and cumulative change in storage. Water balance data after 2019 were estimated using the information provided in the Mission Creek Subbasin annual reports starting with the Annual Report for WY 2019-2020 (Wood, 2021).



Abbreviations:

AF= Acre feet; AFY = Acre feet per year

DHSSB = Desert Hot Springs Subbasin

GHSA = Garnet Hill Subarea

WB = Water Balance

Notes:

- Water balance inflows and outflows for 1978 to 2019 are as described in the Alternative Plan Update (Wood and Kennedy Jenks, 2021).
- Starting in 2020, mountain front recharge is based on a 25-year average (1995 to 2019), and the subsurface inflows and outflows are based on the most recent modeled inflows and outflows (see text).
- Water balance accounting based on calendar year through 2016 and water year thereafter.

HISTORICAL WATER BALANCE AND CUMULATIVE CHANGE IN GROUNDWATER STORAGE
Mission Creek Subbasin Annual Report
Water Year 2022-2023
Coachella Valley, California

By: grr

Date: 02/06/2024

Project No.: CM23168050



Figure 7-2

Figure 7-2 shows groundwater pumping peaked in 2006 during the development boom and has decreased since 2006 due to conservation. In WY 2022-2023, groundwater pumping was lower than the 2006 peak pumping by approximately 22 percent. **Figure 7-2** shows that the groundwater storage in the Mission Creek Subbasin is currently more than 6,000 AF above groundwater storage levels in 2009 due to groundwater replenishment efforts.

Figure 7-3 shows annual inflows, outflows, groundwater production, and 10-year and 20-year running average changes in groundwater storage in the Mission Creek Subbasin. The Mission Creek Subbasin inflows vary significantly from year to year due to the variability in mountain front recharge and imported water replenishment deliveries. Replenishment activities vary annually in response to imported water availability. In the last five water years, replenishment ranged from 0 AF in WY 2021-2022 to 5,276 AF in WY 2022-2023 and averaging approximately 2,433 AFY (WY 2018-2019 through WY 2022-2023). Years of high inflows correspond to wet years and high mountain front recharge and/or when increased SWP deliveries occurred. The 10- and 20-year running average change in groundwater storage have been relatively stable. In recent years, the trend in the 10-year average shows small declines in storage because this shorter-term view does not include years of higher-than-average inflow in the early 2010s and includes recent years of lower-than-average SWP water availability. The 20-year running average shows that the Mission Creek Subbasin has been in balance (i.e., no appreciable net change in storage) since 2013 and in balance or positive since 2006.

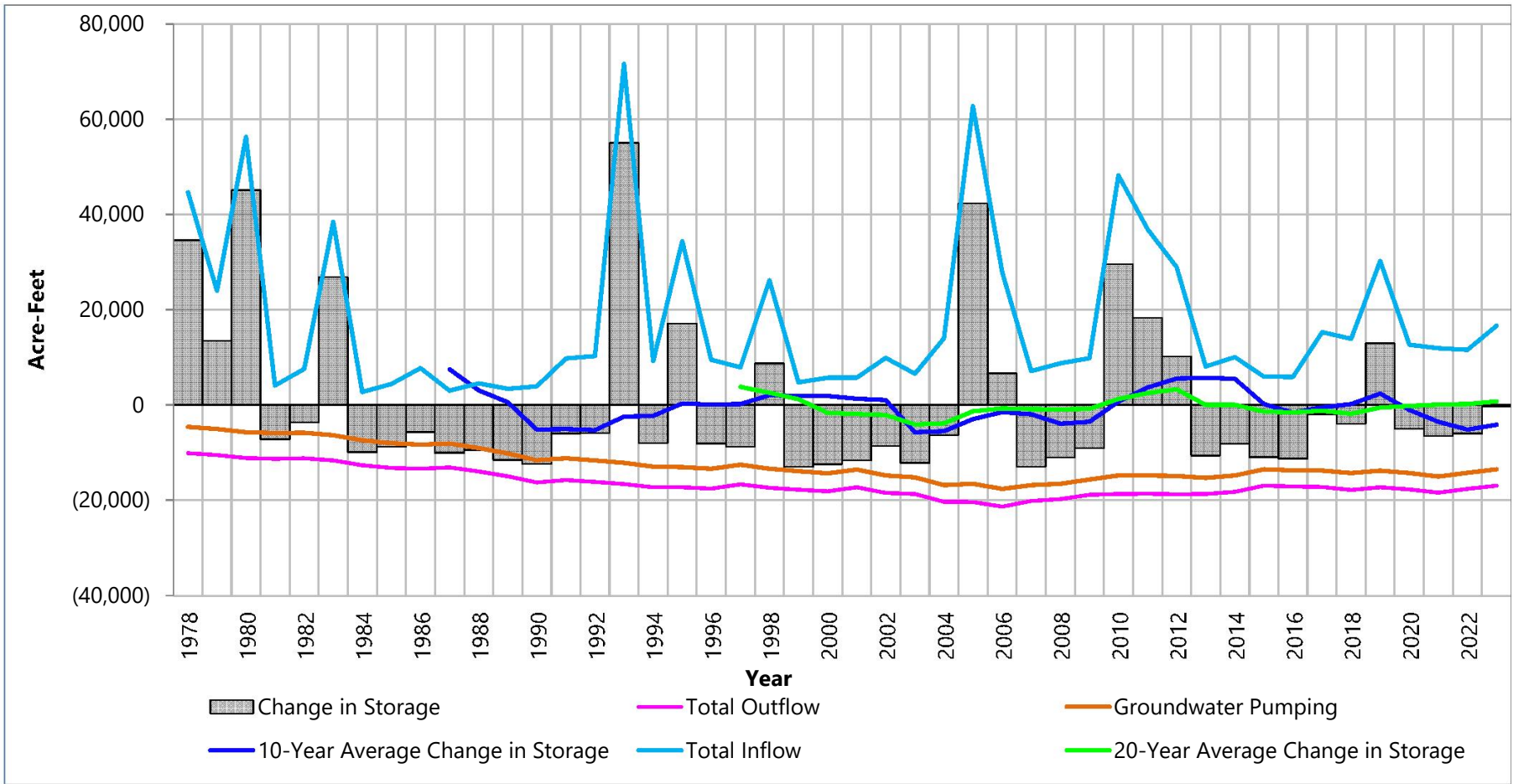
Figure 7-4 shows the one-year change in groundwater storage and **Figure 7-5** shows the change in groundwater storage since WY 2008-2009. Both changes in storage are represented by changes in groundwater levels in the Mission Creek Subbasin. The maps show the differences in average groundwater elevations for wells in the Mission Creek Subbasin monitored by The Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) (collectively the Agencies). Hydrographs for Key Wells and well 02S04E21H001S (21H01), located adjacent to the Mission Creek GRF, are provided on the maps for the context of water level trends over time. Cool colors (green and blue) depict increases in groundwater storage, while warm colors (yellow, orange, pink, purple, and brown) depict decreases in groundwater storage.

Figure 7-4 depicts the change in average groundwater storage from WY 2021-2022 to WY 2022-2023 in the Mission Creek Subbasin. Based on the Key Wells and supplemental monitoring data from nine additional agency wells, the change in groundwater levels observed in 18 wells monitored with data in both WY 2021-2022 and WY 2022-2023 ranged from 0.1 feet of increase in the southeastern part of the Mission Creek Subbasin to 10.1 feet of decrease south of the Mission Creek GRF. The declines in water levels near the Mission Creek GRF ranging from 8.7 to 10.1 feet of decline appear to result from the decrease in recharge at the Mission Creek GRF since WY 2017-2018 (see **Figure 3-3** for recharge and hydrograph of well 21H01). Note that the average water levels for the water year described above do not reflect the most recent increasing trend in water levels in well 21H01 nearest the MC Creek GRF. The increasing trend is observed in the embedded hydrograph for well 21H01 in **Figure 7-4** and in the hydrograph for this well in Appendix B. Groundwater levels in this well increased sharply beginning in August 2023, with a total increase of approximately 18 feet between July 21, 2023 and October 18, 2023. This increase in water levels is attributed to groundwater replenishment at the Mission Creek GRF, where no recharge has occurred since October 2022. Recharge began at the facility in April 2023 and continued each month into August 2023. Excluding the area near the Mission Creek GRF and the area showing a

slight increase in the southeast part of the Mission Creek Subbasin, average annual groundwater levels decreased slightly. Generally, water levels indicated declines ranging from 0.1 to 2.6 feet from the previous water year. Overall, groundwater levels in the Mission Creek Subbasin in WY 2022-2023 show a slight average decrease of approximately 2.2 feet compared to WY 2021-2022 based on the 18 monitored wells representing the contouring shown on **Figure 7-4**.

Figure 7-5 depicts the change in average groundwater storage from WY 2008-2009 to WY 2022-2023 in the Mission Creek Subbasin. Beginning with the WY 2021-2022 Annual Report, a 10-year change in groundwater levels was replaced with a change in groundwater levels since WY 2008-2009. This comparison of current water levels to WY 2008-2009 is directly relevant to the SGMA sustainable management criteria described in Section 8. The change in groundwater levels observed in the 14 wells with groundwater level data in both WY 2008-2009 and WY 2022-2023 in the Mission Creek Subbasin ranged from approximately 19.4 feet of increase in the north-central part of the Subbasin, 36.8 feet of decrease in the Mission Creek GRF area of the Subbasin, and an overall average increase of 4.9 feet across the Mission Creek Subbasin. Eliminating the localized declines near the Mission Creek GRF that result from temporary elevated water levels associated with artificial recharge in 2005 and 2006, the average change in groundwater levels since WY 2008-2009 in the remaining 12 wells across the Mission Creek Subbasin is an increase of approximately 10.7 feet. The rise in groundwater levels through much of the Mission Creek Subbasin results from a reduction in groundwater pumping and the initiation of groundwater replenishment in 2002. Two wells with substantial water level decreases near the Mission Creek GRF (36.8 feet and 23.9 feet) represent a localized condition explained in the hydrograph for well 21H01 shown on **Figure 7-5**. Groundwater levels at these wells in WY 2008-2009 appear to have been influenced by the initial round of intense recharge at the Mission Creek GRF that began in the calendar year 2005 (see **Figure 3-3** for groundwater levels and annual recharge volumes near the recharge facility). Groundwater replenishment volumes approaching 20,000 AF or more occurred in calendar years 2005 and 2006, followed by recharge of approximately 33,000 AF in 2010 and more than 20,000 AF in 2011 and 2012. These recharge efforts resulted in significant groundwater mounding near the Mission Creek GRF as shown in hydrograph 21H01 on **Figure 7-5**. This localized mounding has dissipated over time. The long-term effect of this recharge and reductions in groundwater pumping has resulted in rising groundwater levels throughout the remainder of the Mission Creek Subbasin since WY 2008-2009.




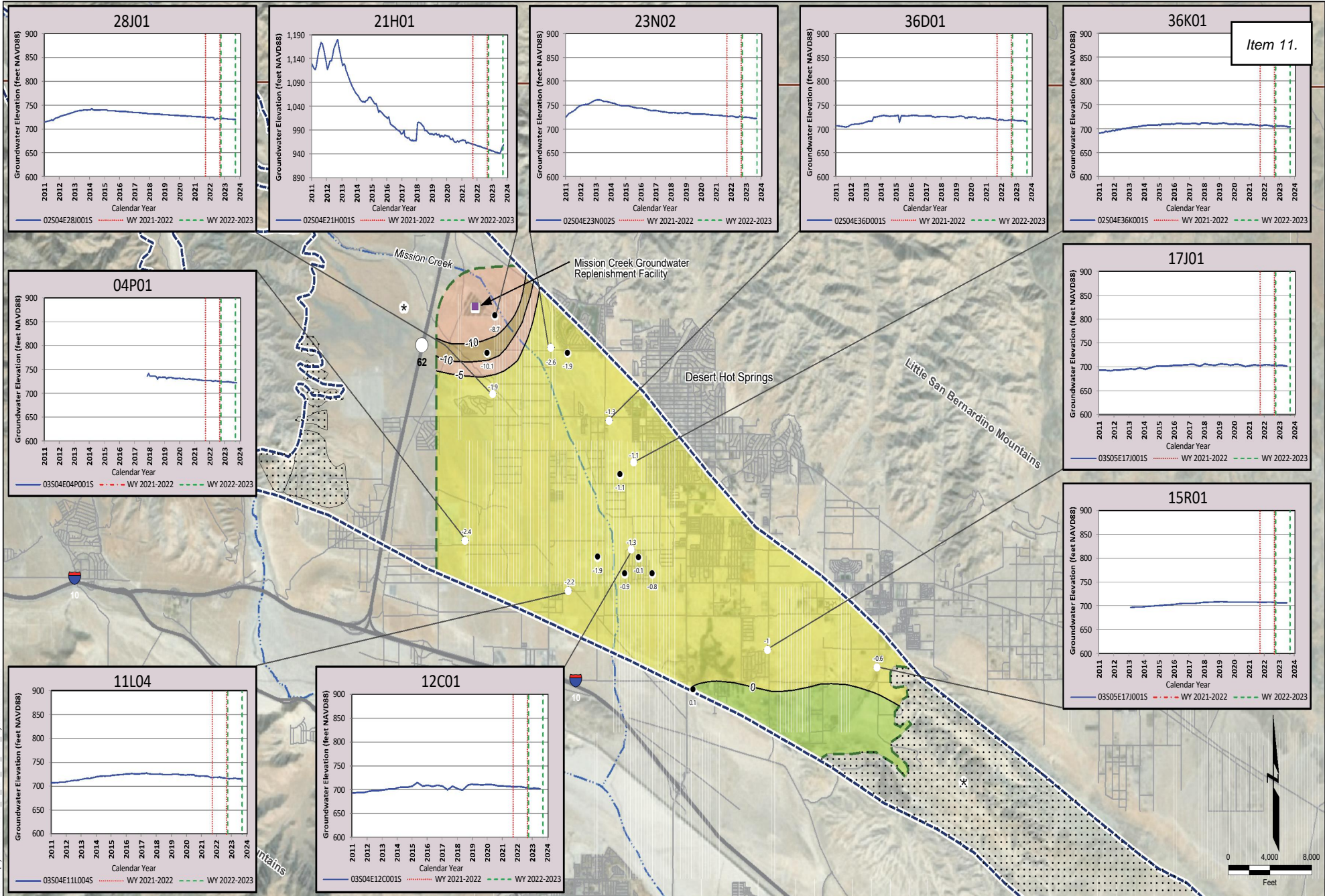


Notes:

Water balance accounting based on calendar year through 2016 and water year thereafter.
 Change in storage for WY 2022-2023 was -341 acre-feet and is nearly indistinguishable from the zero baseline at the scale of the plot.

**HISTORICAL ANNUAL CHANGE IN
 GROUNDWATER STORAGE**
 Mission Creek Subbasin Annual Report
 Water Year 2022-2023
 Coachella Valley, California

By: grr	Date: 2/29/2024	Project No.: CM23168050
		Figure 7-3



Item 11.

Date: 2/28/2024. Printed by: USMWW\19917 Path: Y:\R18167\60 (Mission Creek Subbasin Rpt)\Esm\WY2023\1b_001_cis_cont_wy2023-2022.mxd

Explanation

- Groundwater Replenishment Facility
- Mission Creek Subbasin
- Monitored Well
- Water level data boundary line
- Coachella Valley Water District - Key Well
- Low permeability/non-water bearing sediments/bedrock
- Mission Springs Water District - Key Well
- Change in average water level (feet)
- Desert Water Agency - Key Well
- Stream
- Other - Non Key Well
- Highway/road
- 0 to 5 foot increase
- 0 to 5 foot decrease
- >5 to 10 foot decrease
- >10 to 15 foot decrease
- * Water level data not available
- Water level hydrograph for well indicated
- Water year (WY) 2022-2023
- Water year (WY) 2021-2022

Notes

1. Groundwater storage based on change in average water levels between the respective Water Years.
2. Groundwater elevation in feet above North American Vertical Datum (NAVD88).

Basemap modified from aerial photograph provided by Esri, dated November 9, 2016.

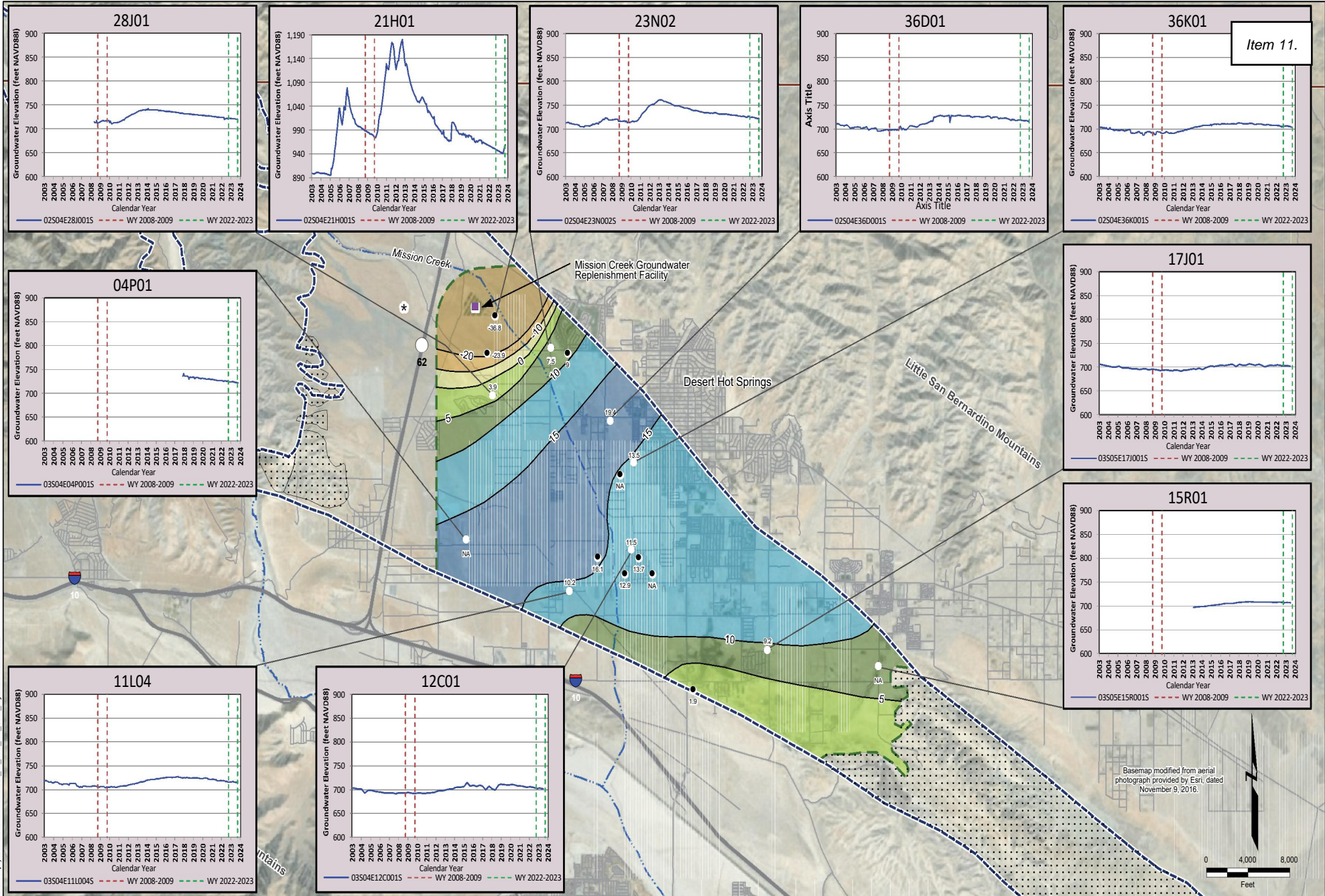
ONE YEAR CHANGE IN GROUNDWATER STORAGE WY 2021-2022 TO WY 2022-2023
 Mission Creek Subbasin Annual Report
 Water Year 2022-2023
 Coachella Valley, California

By: MWW Date: 2/28/2024 Project No.: CM231

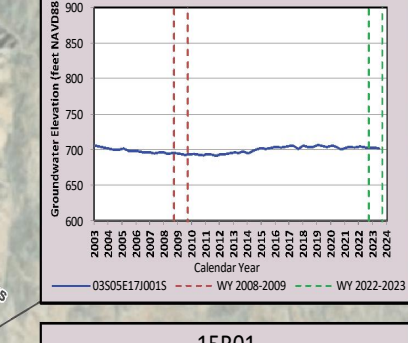
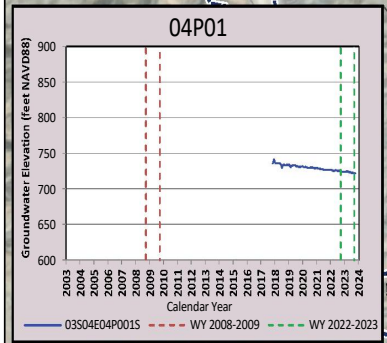
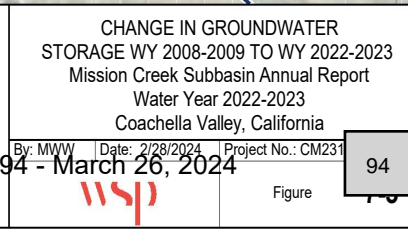
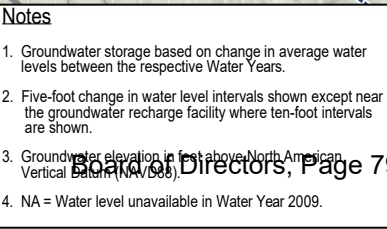
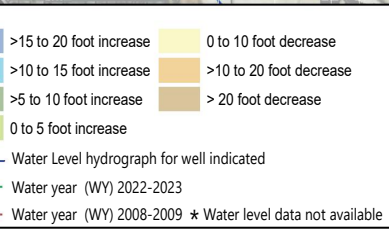
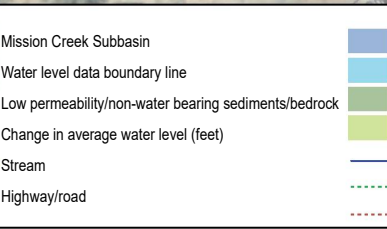
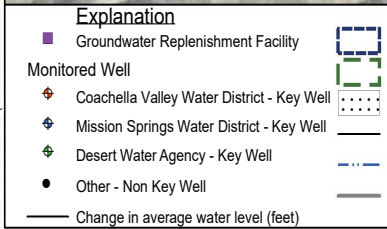
Board of Directors, Page 793 - March 26, 2024



Figure



Item 11.



Date: 2/28/2024. Printed by: USMW\19917 Path: Y:\IR\16167-100 (Mission Creek Subbasin Rpt)\E:\m\WY2023\lawfiles\lb_001_cis_com_wy2023-2009.mxd

- Explanation**
- Groundwater Replenishment Facility
 - ◊ Monitored Well
 - ◊ Coachella Valley Water District - Key Well
 - ◊ Mission Springs Water District - Key Well
 - ◊ Desert Water Agency - Key Well
 - Other - Non Key Well
 - Change in average water level (feet)
 - ▭ Mission Creek Subbasin
 - ▭ Water level data boundary line
 - ▭ Low permeability/non-water bearing sediments/bedrock
 - Change in average water level (feet)
 - Stream
 - Highway/road

- >15 to 20 foot increase
- >10 to 15 foot increase
- >5 to 10 foot increase
- 0 to 5 foot increase
- 0 to 10 foot decrease
- >10 to 20 foot decrease
- >20 foot decrease
- Water Level hydrograph for well indicated
- Water year (WY) 2022-2023
- Water year (WY) 2008-2009
- ★ Water level data not available

- NOTES**
- Groundwater storage based on change in average water levels between the respective Water Years.
 - Five-foot change in water level intervals shown except near the groundwater recharge facility where ten-foot intervals are shown.
 - Groundwater elevation in feet above North American Vertical Datum (NAVD88).
 - NA = Water level unavailable in Water Year 2009.

Basemap modified from aerial photograph provided by Esri, dated November 9, 2016.

0 4,000 8,000 Feet

CHANGE IN GROUNDWATER STORAGE WY 2008-2009 TO WY 2022-2023
 Mission Creek Subbasin Annual Report
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By: MWW Date: 2/28/2024 Project No.: CM231

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Section 8 – Sustainable Management Criteria

The Sustainable Groundwater Management Act (SGMA) defines sustainable groundwater management as the management and use of groundwater in a manner that can be maintained during the planning and implementation horizon without causing undesirable results. The Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) (collectively the Agencies) recognize that establishing metrics to avoid undesirable results and to maintain sustainability is a valuable tool in groundwater management, and incorporated SGMA Sustainable Management Criteria into the Mission Creek Subbasin Alternative Update (2022 Alternative Plan Update [Wood and Kennedy Jenks, 2021]) to guide water resources management in the Mission Creek Subbasin (also referred to as the Subbasin).

8.1 Sustainable Management Criteria Overview

Sustainability Indicators are the effects caused by groundwater conditions occurring throughout the Subbasin that, when significant and unreasonable, cause undesirable results, as described in Water Code Section 107211(x). The 2022 Alternative Plan Update identified four Sustainability Indicators relevant to the Mission Creek Subbasin based on historical or current conditions as described below:

- **Chronic lowering of groundwater levels** – Historically, groundwater levels declined by up to approximately 60 feet in the Mission Creek Subbasin between 1970 and 2009 but have since rebounded as a result of management actions.
- **Reduction of groundwater storage** – Declining groundwater levels between 1970 and 2009 resulted in a reduction in groundwater storage in the Mission Creek Subbasin, but groundwater storage has since increased due to the recharge of imported water and reduced groundwater pumping.
- **Land subsidence** – No evidence of land subsidence in the Mission Creek Subbasin has been documented. The Subbasin is an alluvial basin with some fine-grained sediments at depth. Therefore, the potential for subsidence cannot be eliminated without gathering additional information.
- **Degraded water quality** – No water quality issues have been identified in active groundwater supply wells in the Mission Creek Subbasin. However, sustainability criteria for degraded water quality have been identified based on the potential for future degraded water quality. Naturally occurring uranium historically exceeded drinking water regulatory thresholds in two municipal water supply wells that were removed from use. Nitrate concentrations are below the maximum contaminant level (MCL) at all municipal wells but have the potential to increase over time due to fertilizer use and wastewater percolation in the Mission Creek Subbasin. Total dissolved solids (TDS) have increased in the Subbasin over time due to groundwater use and return flow, fertilizer use, wastewater percolation, and recharge of higher TDS imported water.

The SGMA allows for a Sustainability Indicator to not apply in a subbasin if there is evidence that the indicator does not exist and could not occur. In the Mission Creek Subbasin, there is sufficient evidence to eliminate two of the Sustainability Indicators from further consideration:

- **Depletion of interconnected surface waters** – The SGMA defines interconnected surface waters as water that is hydraulically connected at any point by a continuous saturated zone to the underlying aquifer and the overlying surface water is not entirely depleted. Although surface

water flows occur in the upper reaches of the Whitewater River in the Mission Creek Subbasin, the surface waters and groundwaters in this area are hydraulically isolated from the main Mission Creek Subbasin. Because there are no interconnected surface waters in the Mission Creek Subbasin that groundwater management activities could impact, this Sustainability Indicator is not considered relevant for the Mission Creek Subbasin.

- **Seawater intrusion** – There are no saltwater bodies in the vicinity of the Mission Creek Subbasin. This Sustainability Indicator is not considered further.

Table 8-1 summarizes the Sustainable Management Criteria for each of the four relevant Sustainability Indicators identified in the 2022 Alternative Plan Update. The following subsections describe the current water year monitoring under these criteria.

**Table 8-1
 Sustainable Management Criteria Summary**

Sustainability Indicator	Minimum Thresholds	Measurement	Measurable Objectives	Undesirable Result
Chronic lowering of groundwater levels	Set to one standard deviation of water levels in the well between 2002 and 2019 below the known or estimated 2009 water level of the well	Measured through nine Key Wells (see Table 3-1) spatially distributed throughout the main Mission Creek Subbasin	Set to 2009 low groundwater elevations in Key Wells	Four Key Wells (~45%) each exceed their Minimum Threshold for three consecutive years
Reduction in groundwater storage	Set at the storage volume represented by the Average Minimum Threshold for groundwater levels in the nine Key Wells. (i.e., the average of the Minimum Thresholds in all nine Key Wells is 694.5 feet NAVD88).	Comparison of average annual groundwater levels in Key Wells with the average of Key Well water level Minimum Thresholds (694.5 feet NAVD88)	Set to 2009 subbasin groundwater storage as indicated by the average Measurable Objective of levels in Key Wells	The average groundwater level in the Key Wells falls below the average Minimum Threshold for three consecutive years
Subsidence	To be evaluated based on results of a USGS study currently in progress (see Section 8.3.2)	To be evaluated based on results of a USGS study. In the interim, review CDWR ground level vertical displacement data and use the groundwater minimum thresholds as a proxy for subsidence potential	To be evaluated based on USGS study (see Section 8.3.2)	To be evaluated based on USGS Study (see Section 8.3.2)
Degraded groundwater quality	For constituents of concern (COCs; currently only nitrate and naturally occurring uranium), the Minimum Threshold will be no exceedances of California MCLs for drinking water. Exceedances only apply to drinking water supply wells that regularly test for the parameters. A Minimum Threshold for TDS will be determined based on the findings of the CV-SNMP Update (in progress, see Section 8.4.2).	Groundwater quality data provided by the Agencies and downloaded annually from state and local sources	Same as the Minimum Threshold	For the COCs identified, the concentration/activity of the constituent shall not exceed the MCL. If there is an exceedance, the exceedance will be investigated. Undesirable results for TDS will be determined based on the findings of the CV-SNMP Update (in progress, see Section 8.4.2).



8.2 Groundwater Levels

In the 1990s, the Agencies recognized that the continued lowering of groundwater levels in the Mission Creek Subbasin was not sustainable and, if continued, could have undesirable results ranging from increased energy costs for groundwater pumping to the need to deepen existing private and public wells. As a result, CVWD and DWA developed and implemented plans to recharge imported water into the Mission Creek Subbasin. Groundwater levels in the Mission Creek Subbasin began to increase after an imported water recharge program began in 2002 at the Mission Creek Groundwater Replenishment Facility (GRF).

The Agencies further understand that although groundwater level declines may not be avoidable during recurring below normal precipitation periods when imported water deliveries and mountain front recharge are reduced, they intend to manage the Subbasin to maintain long-term average groundwater levels at or above 2009 conditions, which are generally considered to be the historically low groundwater levels throughout much of the Mission Creek Subbasin. During the 2009 period of historically low groundwater levels, no incidents of groundwater production wells going dry or losing production capacity due to low groundwater levels were observed by or reported to the Agencies. In addition, no dry wells are identified in the Mission Creek Subbasin in the California Department of Water Resources (CDWR) "Reported Dry Water Sources" database that was initiated in 2014.¹⁹

In 2013, the Agencies identified the need to maintain average groundwater levels in the Mission Creek Subbasin above 2009 levels and made this one of the objectives of the 2013 Mission Creek-Garnet Hill Water Management Plan (2013 MC-GH WMP). The 2013 MC-GH WMP became the basis for the Mission Creek Subbasin Alternative Plan for groundwater sustainability submitted to the CDWR in 2016, as described in Section 1.2.2.

The 2022 Alternative Plan Update identified groundwater level criteria for specific monitoring wells that will be used to demonstrate compliance with the 2009 groundwater level threshold. These levels were established as the SGMA Measurable Objectives. Minimum Thresholds, set slightly below the Measurable Objectives (from 2.5 to 16.3 feet below the Measurable Objective, with greater values near the groundwater replenishment facility), were established based on groundwater level variability. Measurable Objectives and Minimum Thresholds for the Key Wells are summarized in **Table 8-2**. Elevation data for this Annual Report were reported in or converted to the North American Vertical Datum of 1988 (NAVD88) as discussed in Section 3.1. **Table 8-2** shows Measurable Objectives and Minimum Thresholds relative to NAVD88 and National Geodetic Vertical Datum of 1929 (NGVD29).

Table 8-3 shows a comparison of the Measurable Objectives and Minimum Thresholds with the low water levels for the Key Wells in Water Year (WY) 2022-2023. All of the Key Wells are above the Measurable Objectives with the exception of well 03S04E04P01S (4P01) located in the southwesterly part of the Mission Creek Subbasin. Water levels in this well remained above the Minimum Threshold. Historical data from this well are limited and the Measurable Objective was estimated based on 2009 groundwater levels extracted from the updated groundwater model presented in the 2022 Alternative Plan Update. Consequently, the Measurable Objective for this well was identified as provisional and subject to revision based on groundwater level trends and comparison with other wells.

¹⁹ <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer#gwlevels>, site visited December 12, 2023

Table 8-2
Key Wells Measurable Objective and Minimum Threshold

State Well Number	Map Name	Measurable Objective ¹ (feet NGVD29)	Minimum Threshold ² (feet NGVD29)	Measurable Objective ¹ (feet NAVD88)	Minimum Threshold ² (feet NAVD88)	Comments
02S04E23N002S	23N02	711.3	695.0	713.9	697.5	
02S04E28J001S	28J01	709.5	700.3	712.1	702.9	
02S04E36D001S	36D01	694.6	683.1	697.1	685.6	
02S04E36K001S	36K01	686.1	678.8	688.6	681.3	
03S04E04P001S	4P01	NA	NA	727.4	719.5	Original survey was in NAVD88. Model estimated provisional 2009 water levels ³
03S04E11L004S	11L04	701.3	693.8	703.8	696.3	
03S04E12C001S	12C01	689.6	682.9	692.1	685.4	
03S05E15R001S	15R01	698.0	691.3	700.5	693.8	Model estimated provisional 2009 water levels ³
03S05E17J001S	17J01	689.8	686.1	692.2	688.5	

Notes:

1. Measurable Objectives are based on the minimum groundwater level at the well in 2009 or the estimated groundwater level in 2009 (see note 3).
2. Minimum Thresholds are based on the Measurable Objective less one standard deviation of water levels for the well between 2002 and 2019 except for well 4P01. Well 4P01 has limited data to estimate variability and the average standard deviation for all Key Wells (7.9 feet) was used to set the Minimum Threshold.
3. Wells 4P01 and 15R01 have limited groundwater monitoring histories that do not extend back to 2009 water level conditions. The Measurable Objective for these wells was derived using groundwater model simulation fit to the available data and extracting the minimum simulated groundwater level in 2009. These Measurable Objectives are considered provisional and may be adjusted based on groundwater level response in these wells relative to other wells in the basin.

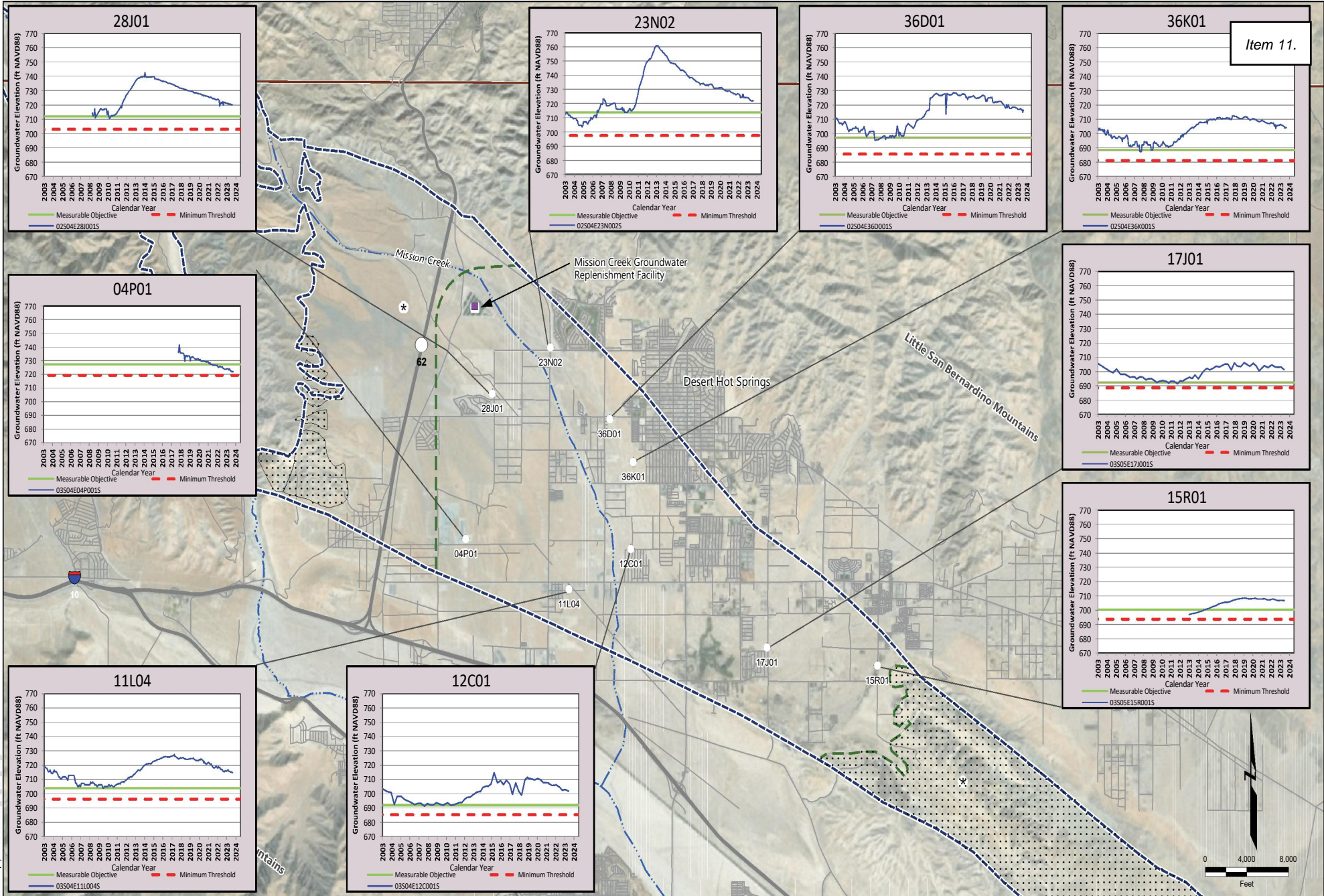


**Table 8-3
 Average Groundwater Levels in Key Wells Compared to
 Measurable Objectives and Minimum Thresholds**

State Well Number	Map Name	Measurable Objective (feet NAVD88)	Minimum Threshold (feet NAVD88)	WY 2022-2023 Low Water Level (feet NAVD88)	Difference Between WY 2022-2023 and Measurable Objective (feet)	Difference Between WY 2022-2023 and Minimum Threshold (feet)
02S04E23N002S	23N02	713.9	697.5	721.7	7.8	24.2
02S04E28J001S	28J01	712.1	702.9	719.8	7.7	16.9
02S04E36D001S	36D01	697.1	685.6	714.8	17.7	29.2
02S04E36K001S	36K01	688.6	681.3	703.9	15.3	22.6
03S04E04P001S	4P01	727.4	719.5	722.0	-5.4	2.5
03S04E11L004S	11L04	703.8	696.3	714.8	11.0	18.5
03S04E12C001S	12C01	692.1	685.4	703.7	11.6	18.3
03S05E15R001S	15R01	700.5	693.8	706.8	6.3	13.0
03S05E17J001S	17J01	692.2	688.5	701.3	9.1	12.8
Average		703.1	694.5	712.1	9.0	17.6

Figure 8-1 shows the hydrographs for each of the nine Key Wells along with their Measurable Objectives and Minimum Thresholds. The figure shows that water levels at each of the Key Wells are above Measurable Objectives except for 04P01. Water levels dropped below the Measurable Objective for this well beginning in July of WY 2020-2021 when water levels were measured below the Measurable Objective by 0.6 feet (Wood, 2022). In WY 2021-2022, water levels dropped to 2.6 feet below the Measurable Objective (WSP, 2023). In WY 2022-2023, water levels dropped to 5.4 feet below the Measurable Objective. As described above, 2009 groundwater levels for this well were estimated to determine its provisional Measurable Objective and Minimum Threshold. Historical groundwater level trends in the Mission Creek Subbasin in general, and water level in the Key Well to the north (02S04E28J001S) and to the east (03S04E11L004S) in particular, suggest that the provisional Measurable Objective for well 04P01 may have been set approximately 10 to 15 feet too high. An adjustment to the provisional Measurable Objective and Minimum Threshold for this well will be considered in future 5-year Alternative Plan Updates.





Item 11.

Date: 2/28/2024. Printed by: USMW719917 Path: Y:\IR\18167150 (Mission Creek Subbasin Rpt)\Esm\WY2023_ib_001_m0_mt.mxd

- Explanation**
- Groundwater Replenishment Facility
 - ⬢ Monitored Well
 - ⬢ Coachella Valley Water District - Key Well
 - ⬢ Mission Springs Water District - Key Well
 - ⬢ Desert Water Agency - Key Well
 - ▭ Mission Creek Subbasin
 - ▭ Water level data boundary line
 - ▭ Low permeability/non-water bearing sediments/bedrock
 - ▭ Stream
 - ▭ Highway/road
 - Water level hydrograph for well indicated
 - Measurable objective
 - Minimum threshold
 - * Water level data not available

Notes

1. Groundwater elevation in feet above North American Vertical Datum (NAVD88).
2. Water level boundary lines based on a lack of water level data. The eastern water level boundary line also corresponds to the boundary of low permeability sediments of the Indio Hills.

Board of Directors, Page 801 - March 26, 2024
Basemap modified from aerial photograph provided by Esri, dated November 9, 2016.

KEY WELL HYDROGRAPHS WITH MEASURABLE OBJECTIVES AND MINIMUM THRESHOLDS
 Mission Creek Subbasin Annual Report
 Water Year 2022-2023
 Coachella Valley, California

By: MWW Date: 2/28/2024 Project No.: CM2

Figure 101

8.3 Groundwater Storage

The storage capacity of the Mission Creek Subbasin has been estimated at 2,600,000 acre-feet (AF) (CDWR, 1964). The storage capacity is based on the thickness and lateral extent of alluvial sediments that extend to depths as great as 3,000 feet below ground surface in the Mission Creek Subbasin (GCI, 1979). Available groundwater in storage, however, is limited by the level to which groundwater levels may be lowered without causing undesirable results. The Mission Creek Subbasin consists of a single aquifer laterally and vertically. Groundwater storage is directly related to groundwater levels for the Subbasin. Groundwater storage Measurable Objectives and Minimum Thresholds were based on the average of the groundwater levels Measurable Objectives and Minimum Thresholds for the nine Key Wells shown in **Table 8-3**. **Table 8-4** summarizes groundwater storage for WY 2022-2023 based on Key Well minimum water levels, Measurable Objective and Minimum Threshold for groundwater storage, and the differences between WY 2022-2023 groundwater storage and the Measurable Objective and Minimum Threshold. The average water level in the Mission Creek Subbasin in WY 2022-2023 was 712.1 feet NGVD88, which is 9.0 feet above the Measurable Objective for groundwater storage and 17.6 feet above the Minimum Threshold for groundwater storage.

Table 8-4
Groundwater Storage Compared to the
Measurable Objective and Minimum Threshold

Key Well Average Minimum Water Levels WY 2022-2023 (feet NAVD88)	Measurable Objective (feet NAVD88)	Minimum Threshold (feet NAVD88)	Difference Between WY 2022-2023 Storage and Measurable Objective (feet)	Difference Between WY 2022-2023 Storage and Minimum Threshold (feet)
712.1	703.1	694.5	9.0	17.6

Figure 7-5 shows change in water levels between WY 2008-2009 and WY 2022-2023. Change in water levels is a proxy for storage in the Mission Creek Subbasin because the Subbasin comprises a single aquifer system. As described in Section 7-3, **Figure 7-5** shows a decrease in water levels in the immediate vicinity of the Mission Creek GRF with the remainder of the main Subbasin showing groundwater level increases ranging from 19.4 feet in the north-central part of the main Subbasin to 1.9 feet in the south part of the main Subbasin. Lower water levels near the Mission Creek GRF are due to the dissipation of groundwater mounding that resulted from historical recharge at the Mission Creek GRF. Overall, the Mission Creek Subbasin shows higher WY 2022-2023 groundwater levels compared to WY 2008-2009 groundwater levels and thus greater groundwater storage.

8.4 Land Subsidence

Neither subsidence nor impacts to structures potentially caused by subsidence have been identified historically in the Mission Creek Subbasin. Geologic conditions of generally coarse-grained sediments and lack of thick, laterally extensive fine-grained sediments in the Mission Creek Subbasin aquifer reduce the likelihood of subsidence. In addition, ground-level displacement monitoring using Interferometric Synthetic Aperture Radar (InSAR) data available from CDWR has not shown evidence of subsidence during the period this technology has been available for monitoring in the Mission Creek Subbasin (beginning in



June 2015). Although subsidence has not been observed, it is considered to have a potential to result in significant and unreasonable conditions. Subsidence is most likely to occur if groundwater levels are lowered significantly below their historically low levels (i.e., under conditions of maximum reconsolidation stress). Consequently, Minimum Thresholds for groundwater levels in the Key Wells are used as a screening level for the potential of subsidence. Currently, groundwater levels in the Key Wells are above the water level Minimum Thresholds.

In addition to using Minimum Thresholds for water levels in the Key Wells as a screening level for potential subsidence, available ground-level displacement monitoring data available through the CDWR were reviewed and the United States Geological Survey (USGS) is conducting an evaluation of potential subsidence in the Mission Creek Subbasin. These are described in the following subsections.

8.4.1 Ground-Level Displacement Monitoring

Figure 8-2 shows the estimated vertical displacement of ground level as derived from InSAR data collected by the European Space Agency Sentinel-1A satellite and processed by TRE ALTAMIRA Inc., under contract with the CDWR. The vertical displacement data were obtained from CDWR (CDWR, 2023) for the approximately eight-year monitoring period available for this technology (June 2015 to October 2023) and also for the most recent annual record of vertical ground-level displacement (October 2022 to October 2023). The raster images were modified for vertical ground-level displacement ranges displayed on the CDWR SGMA Data Viewer website. The SGMA Data Viewer is set up for viewing data on a regional scale. **Figure 8-2** shows that, with the exception of the former Edom Hill Landfill area in the northwestern part of the Indio Hills for the period from October 2015 to October 2023, ground level change in the Mission Creek Subbasin has exhibited less than an absolute vertical displacement of 0.1 feet. Vertical ground-level displacement at the former Edom Hill Landfill area over the eight-year period October 2015 to October 2023 was up to 0.4 feet downward (-0.4 feet). This is likely due to settlement at the former landfill. Vertical displacement in the former landfill area over the one-year period from October 2022 to October 2023 was no more than 0.1 feet. These findings are consistent with the previous annual report and the general finding of no systematic downward permanent vertical displacement of ground levels caused by groundwater withdrawal.

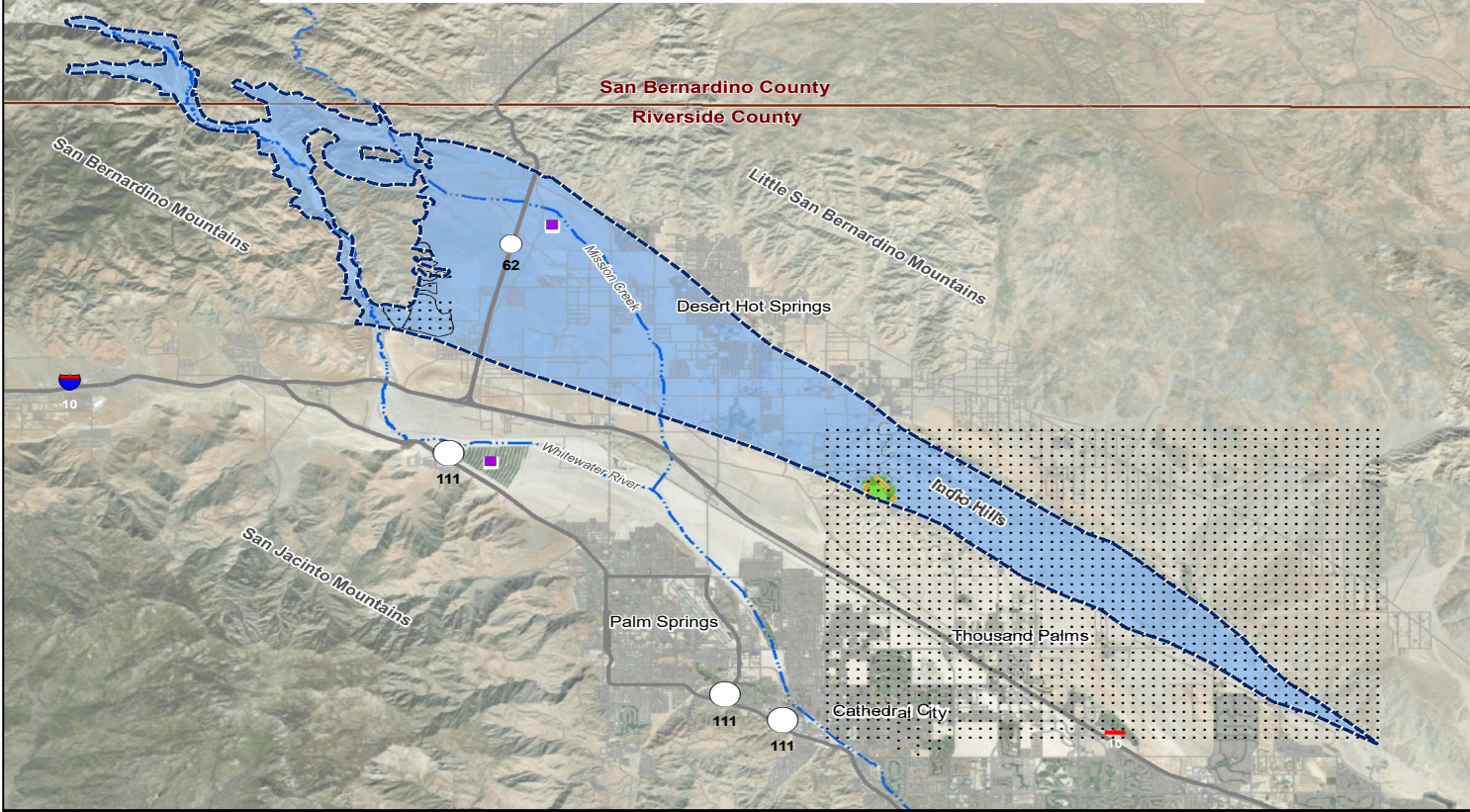
8.4.2 Additional Land Subsidence Study

CVWD, in collaboration with the other Agencies, has engaged the USGS to study land subsidence in the Mission Creek Subbasin. The USGS initiated this study in 2021, and has evaluated groundwater level data, evaluated the status of existing benchmarks, and identified locations for three additional benchmarks. In WY 2022-2023, three new benchmarks were completed in the Mission Creek Subbasin and high precision global positioning system (GPS) measurements were taken at the new benchmarks. The USGS continued to work on analysis of measurements and groundwater levels with a final study report expected by June 30, 2025.

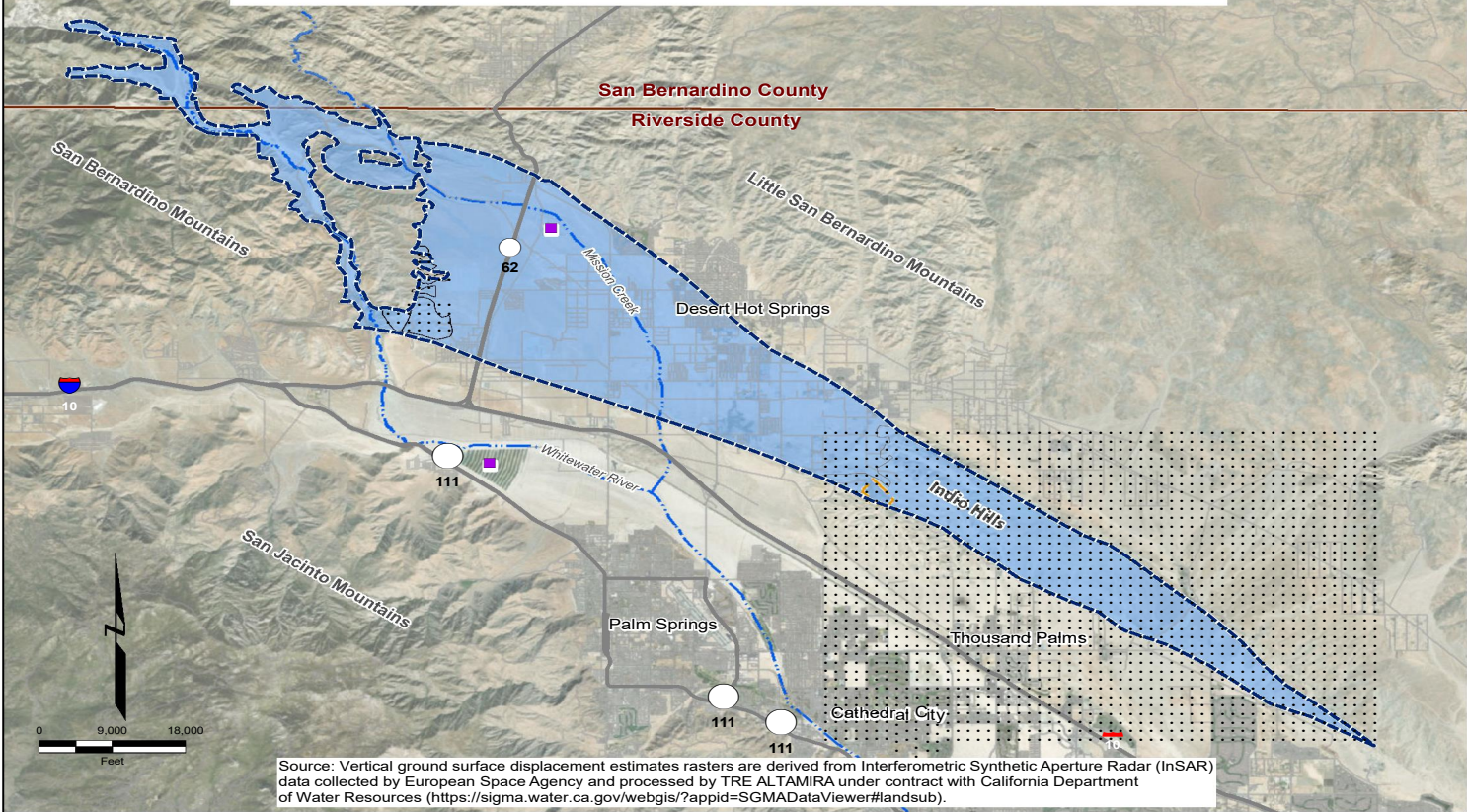
8.5 Groundwater Quality

The 2022 Alternative Plan Update identified two categories of water quality criteria to be used for establishing Minimum Thresholds. These include: (1) water quality based on California drinking water maximum contaminant levels (MCLs), and (2) total dissolved solids (TDS), which will be evaluated through the update to the Coachella Valley Salt and Nutrient Management Plan (CV-SNMP). These two categories are described in the following subsections.

Change in Ground Level - June 2015 to October 2023



Change in Ground Level - October 2022 to October 2023



Source: Vertical ground surface displacement estimates rasters are derived from Interferometric Synthetic Aperture Radar (InSAR) data collected by European Space Agency and processed by TRE ALTAMIRA under contract with California Department of Water Resources (<https://sigma.water.ca.gov/webgis/?appid=SGMADataViewer#landsub>).

Explanation

- Groundwater Replenishment Facility
 - Mission Creek Subbasin
 - Low permeability/non-water bearing sediments/bedrock
 - Stream
 - Highway/road
 - Former Edom Hill Sanitary Landfill
- | | |
|---|--|
| <ul style="list-style-type: none"> -0.1 to 0.1 -0.2 to -0.1 -0.4 to -0.2 | <p>Vertical displacement raster (feet)</p> |
|---|--|

CHANGE IN GROUND LEVEL
 2015 TO 2023
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Basemap modified from aerial photograph provided by Esri, dated November 9, 2016.

wsp

Figure 8-2

8.5.1 Water Quality for Constituents with Primary MCLs

The 2022 Alternative Plan Update identified uranium and nitrate as constituents of concern (COCs). Naturally occurring uranium was identified because it historically exceeded its MCL in two municipal water supply wells in the Mission Creek Subbasin that were removed from use. Nitrate was identified as a COC based on ongoing sources for this constituent, including wastewater infiltration to the groundwater system (through septic systems and disposal of treated wastewater effluent), and fertilizer application for agriculture and at golf courses. Nitrate has not exceeded its MCL in any municipal supply well.

The Minimum Threshold for groundwater quality was established as no drinking water supply wells exceeding the primary MCLs for drinking water. Water quality data provided by the Agencies and obtained from the State Water Resources Control Board (SWRCB) database for water supply (SWRCB, 2022) were reviewed to determine if any COC exceeded its primary MCL in any municipal water supply well. **Table 8-5** summarizes the results of this review. A total of ten wells were sampled for the COC nitrate during the water year and no wells reported nitrate as nitrogen above the MCL of 10 milligrams per liter (mg/L) for this COC. Uranium was sampled in four water supply wells in the Mission Creek Subbasin in WY 2022-2023 and none of these wells exceeded the MCL of 20 picocuries per liter (pCi/L). **Figure 8-3** shows the locations of wells with water quality analyses including the analyses for nitrate (all wells) and uranium in wells 02S04E36D02S (36D02), 02S04E36K01S (3K01), 02S04E1136P01 (36P01) and 03S04E11L04S (11L04).

Table 8-5
Minimum Thresholds for Groundwater Quality – COCs with MCLs

Constituent of Concern (COC)	Maximum Contaminant Level (MCL)/ Minimum Threshold	Standard Units	Number of Wells Sampled for COC in WY 2021-2022	Number of Wells Exceeding MCL in WY 2021-2022
Uranium	20	pCi/L	4	0
Nitrate (N)	10	mg/L	10	0

Water quality data were also reviewed for constituents other than uranium or nitrate exceeding their primary MCL in municipal water supply wells to identify potential new COCs. None were identified. **Figure 8-3** identifies the locations of wells that were reviewed for water quality data.

In addition, the GeoTracker and EnviroStor website databases were reviewed for potential environmental sites that may impact groundwater and specifically municipal water supply wells. Within the Mission Creek Subbasin, the only open regulatory site identified with environmental impacts to groundwater was the former Edom Hill Class III landfill (GeoTracker Global ID L10009373801), located in the Indio Hills within the Mission Creek Subbasin (see Figure 8-4). The Indio Hills consist of consolidated sediments that are not directly connected to the alluvial aquifer in the main Mission Creek Subbasin. Groundwater sampling at this site for volatile organic compounds (VOCs) and nitrate, by the Riverside County Department of Waste Resources (RCDWR) in 2022 indicated that none of these parameters exceeded primary MCLs (RCDWR, 2023). The semi volatile organic compound bis (2-ethylhexyl) phthalate was detected at a concentration above its MCL in groundwater in one monitoring well. Fluoride, total chromium, and total lead exceeded their respective primary MCLs but at concentrations similar to historical results. In addition to being located outside the main alluvial aquifer of the Mission Creek



Subbasin, the site is also located hydraulically downgradient from any drinking water production wells in the main alluvial aquifer of the Mission Creek Subbasin.

8.5.2 Total Dissolved Solids

Sources of TDS in the Mission Creek Subbasin include groundwater used for irrigation (with evaporative concentration of dissolved constituents), wastewater infiltration to the groundwater system (through septic systems and disposal of treated wastewater effluent), fertilizer application for agriculture and at golf courses, and recharge of Colorado River Aqueduct (CRA) water at the Mission Creek GRF.

TDS is currently being evaluated through the update of the CV-SNMP. The CV-SNMP Agencies – which include CVWD, Coachella Water Authority (CWA)/Coachella Sanitary District, City of Palm Springs, DWA, Indio Water Authority (IWA), MSWD, Myoma Dunes Mutual Water Company, and Valley Sanitary District – prepared a workplan entitled “*Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan*” (Development Workplan, West Yost, 2021) that was submitted to the Colorado River Basin Regional Water Quality Control Board (RWQCB) in September 2021 and accepted in October 2021. The Development Workplan outlines the steps and schedule to update the CV-SNMP, targeting scheduled completion by October 2026. The objective of the CV-SNMP is to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin in a manner that protects beneficial uses. When completed, the update to the CV-SNMP will provide a basis for establishing Measurable Objectives and Minimum Thresholds for TDS within the Mission Creek Subbasin. During WY 2022-2023, the CV-SNMP Agencies initiated Development Workplan tasks to establish the CV-SNMP stakeholder group and Technical Advisory Committee (TAC). The Agencies established a project website (cvsnmp.com) and completed a Stakeholder Outreach and Engagement Plan. The TAC was established, and regular meetings were scheduled with RWQCB staff. Agencies completed work on Technical Memorandum (TM) #1 to characterize TDS/N loading to the groundwater basin. Work was initiated on TM #2 to characterize current groundwater quality. CVWD, on behalf of the CV-SNMP Agencies, contracted with USBR for a \$200,000 WaterSMART Applied Science grant to help develop the Mission Creek Subbasin fate and transport model.

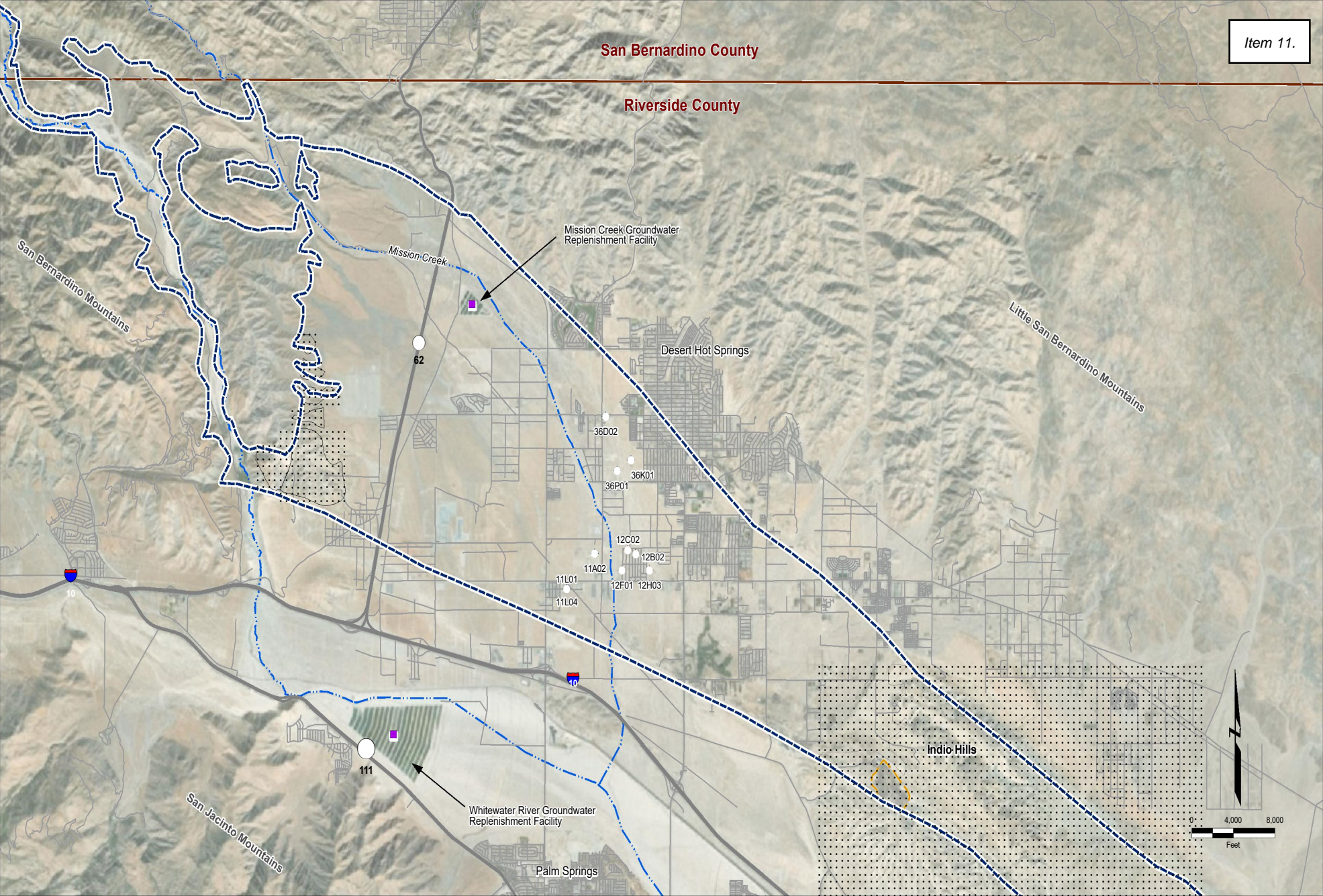
The Development Workplan was required to include a groundwater monitoring workplan with an enhanced monitoring network, identification of data gaps, and a plan to fill the gaps. The CV-SNMP Agencies submitted this workplan entitled “*Groundwater Monitoring Program Workplan*” (Groundwater Monitoring Workplan) to the RWQCB in December 2020 (West Yost, 2020), and the RWQCB accepted this workplan in February 2021. The Groundwater Monitoring Workplan outlines an expanded groundwater monitoring program that will sufficiently determine whether concentrations of TDS and nitrogen (nitrogen occurring primarily as nitrate) (collectively TDS/N) in groundwater are consistent with water quality objectives. The CV-SNMP Agencies initiated work on the CV-SNMP Groundwater Monitoring Workplan in 2021. The CV-SNMP Agencies completed and received approval for a general application for the California Department of Water Resources Technical Support Services (CDWR TSS) program to construct wells to fill monitoring data gaps identified in the Groundwater Monitoring Workplan. Well service request forms were submitted to the TSS program and approved for monitoring wells at several sites in the Mission Creek Subbasin. Agencies continue coordinating with CDWR to finalize program agreements and anticipate monitoring well construction to begin in 2024. The CV-SNMP Agencies submitted the second annual progress report and data to the RWQCB in March 2023 and continued monitoring of the network wells. Subsequent progress reports will be due in March of each year through the anticipated completion of the workplan in 2026 and the completion of the final progress report in 2027. The

Agencies signed a data sharing memorandum of understanding (MOU) with the Agua Caliente Band of Cahuilla Indians to monitor three wells on Trust lands. The final report of the first triennial monitoring cycle will be submitted by March 2024.



San Bernardino County

Riverside County



Explanation

- Groundwater Replenishment Facility
- Stream
- Highway/road
- ▭ Former Edom Hill Sanitary Landfill
- ⬢ Coachella Valley Water District
- ⬢ Mission Springs Water District
- Mission Creek Subbasin
- Low permeability/non-water bearing sediments/bedrock

Note

Only wells with water quality for Water Year 2022-2023 are shown.

WATER SUPPLY WELLS WITH
GROUNDWATER QUALITY DATA - WY 2022-2023
Mission Creek Subbasin Annual Report
Water Year 2022-2023
Coachella Valley, California

By: MWW | Date: 2/28/2024 | Project No.: CM2

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photograph provided by Esri, dated November 9, 2016.



Figure

Section 9 – Summary of Projects and Management Actions and Description of Progress

This report section provides an update on Projects and Management Actions (PMAs) that are identified in the Mission Creek Subbasin Alternative Plan Update (2022 Alternative Plan Update [Wood and Kennedy Jenks, 2021]) and are currently being implemented or that will be implemented in the future, collectively referred to as Active Projects.

The 2022 Alternative Plan Update modified the designations for PMA categories to incorporate a more descriptive letter combination, listed below, followed by a sequential number (e.g., WC indicates a water conservation PMA and WC-1 is the first water conservation project listed).

- WC: Water Conservation
- WS: Water Supply
- WQ: Water Quality Protection, including Coachella Valley Salt and Nutrient Management Plan (CV-SNMP) activities
- SGMA: The Sustainable Groundwater Management Act (SGMA) Implementation
- WELL: Well Management

The following sections summarize PMAs in each category and provide an update or description of progress, where relevant.

9.1 Water Conservation

Active water conservation activities have supported the water management achievements in the Mission Creek Subbasin and are important to continue. The ongoing and future water conservation projects include:

- Project WC-1: Continue to implement urban water conservation and education programs,
- Project WC-2: Track water conservation effectiveness through the Coachella Valley Regional Urban Water Management Plan (CV-RUWMP),
- Project WC-3: Regional conservation study, and
- Project WC-4: Implement water shortage contingency plans.

9.1.1 Project WC-1: Continue to Implement Urban Water Conservation and Education Programs

The Agencies continue to collaborate on regional conservation messaging through CV Water Counts (www.CVWaterCounts.com), originally funded with California Department of Water Resources (CDWR) Proposition 84 grant funding and currently sustained by local water agencies and additional grants including Proposition 1 funding. The group has a web and social media presence in addition to an ongoing advertising campaign. The group also holds an annual Water Counts Academy to educate community members and leaders about key water issues.

The Agencies continued education and outreach to encourage water use efficiency by urban water users, indoor and outdoor incentive programs, ordinances and conservation pricing, water loss management, and conservation staff support. In WY 2022-2023, Agencies invested drought penalty revenue into conservation, increased rebate incentives, created turf conversion cost-share programs with three local cities, increased messaging regarding drought water efficiency, and awarded a contract to begin construction on a new demonstration garden.

9.1.2 Project WC-2: Track Water Conservation Effectiveness Through the RUWMP

Coachella Valley Water District (CVWD), Desert Water Agency (DWA), and Mission Springs Water District (MSWD) were participants (along with Coachella Water Authority [CWA], Indio Water Authority [IWA], and Myoma Dunes Water Company) in the 2020 Coachella Valley RUWMP that provides detailed descriptions of each of the Agencies' water conservation programs (2020 CV-RUWMP [WSC, 2021]). The effectiveness of the water conservation efforts is documented in the Water Conservation Act of 2009 Senate Bill X7-7 (SB X7-7) compliance for each agency.

As described in the 2020 CV-RUWMP, the Agencies continue to implement demand management measures (DMMs) to maintain these savings and to encourage additional conservation; these DMMs include:

- Water waste and landscape ordinances;
- Metering;
- Conservation pricing including water budget-based tiered billing;
- Public education and outreach including conservation kits, workshops/seminars on water use efficiency, water audits, and water waste patrols;
- Programs to assess and manage distribution system losses;
- Landscape conservation and incentive programs including irrigation system upgrades, grass replacement, drought tolerant landscape installations, and conservation demonstration gardens;
- Rebate programs for high efficiency appliances including toilets, washers, and dishwashers; and
- Staff support for water conservation activities.

The Agencies will continue to implement DMMs and track the effectiveness of water conservation efforts during future updates of the 2020 CV-RUWMP. Project WC-2 also includes tracking new conservation standards that are currently under development and will include updates to conservation programs, if needed, to implement those standards.

9.1.3 Project WC-3: Regional Conservation Study

As a supplement to existing Project WC-1, the Agencies have initiated planning to conduct a study specific to the unique climate, soil, and occupancy conditions of the Coachella Valley. Project WC-3: Regional conservation study, will take an econometric approach to estimating water savings for grass removal rebate programs and may be used to evaluate incentive amounts for residents and businesses.

The study will likely focus on outdoor irrigation to refine estimates of water savings per square foot if grass were replaced by alternative landscapes such as artificial turf or desertscape. The water savings study will analyze information from ongoing programs and may include:

- Analysis of historical grass replacement rebate data from the Agencies from 2014-present including consideration of square foot grass replaced and water usage before and after the replacement;
- Validation of low-water use landscape maintenance by surveying customers and spot-checking grass replacement sites;
- Consideration of customers that removed grass without receiving a rebate and/or replaced grass with private patios, side yards, and/or backyards;
- Potential for additional grass replacement among existing customers (i.e., percent saturation achieved by existing conservation programs); and
- Preparation of a report to document the analyses.

In 2022, the Agencies submitted a request and were awarded grant funding to complete the study. The study, identified as The Regional Conservation Study, is in progress with completion anticipated in summer 2024.

9.1.4 Project WC-4: Implement Water Shortage Contingency Plans

The 2020 CV-RUWMP adopted in 2021 includes standalone Water Shortage Contingency Plans (WSCPs) for each Agency. The WSCPs contain Annual Water Supply and Demand Assessment procedures, define six standard shortage levels from less than 10 percent shortage up to greater than 50 percent shortage, and identify shortage response actions including demand reduction actions and mandatory use restrictions and supply augmentation as well as communication protocols for implementing the WSCP. The WSCPs are another tool to be implemented by the Agencies.

The Agencies rescinded the implementation of all Shortage Level 2 demand reduction actions and returned to Level 1 in WY 2022-2023. The Agencies continued monitoring water supplies and operational changes that could alleviate any future water shortages.

9.2 Water Supply

Imported water is critical to groundwater sustainability in the Mission Creek Subbasin. CVWD and DWA continue to invest in long-term, statewide water projects and are working with the Metropolitan Water District of Southern California (MWD) and the CDWR to improve the reliability of State Water Project (SWP) water and acquire additional supplies. Ongoing and future water supply projects are listed below and described in the sections that follow.

- Project WS-1: Continue existing imported water replenishment programs,
- Project WS-2: Recycled water for reuse in the Mission Creek Subbasin,
- Project WS-3: SWP-Delta Conveyance Project (DCP),

- Project WS-4: SWP Lake Perris Seepage Recovery Project, and
- Project WS-5: SWP- Sites Reservoir Project.

SWP supplies to the region are expected to increase by approximately 14,300 acre-feet (AF), along with increased SWP reliability of 26,500 acre-feet per year (AFY) following construction of the DCP. A portion of these supplies and increased SWP reliability will be provided to the Mission Creek Subbasin for groundwater replenishment.

9.2.1 Project WS-1: Continue Existing Imported Water Replenishment Program

CVWD and DWA have the authority to operate imported water replenishment in the Coachella Valley. Imported water replenishment operations will deliver as much imported water to the Coachella Valley as possible given the constraints of the SWP contract and delivery and MWD Colorado River Aqueduct (CRA) operations.

CVWD and DWA continued recharge activities at the Mission Creek Groundwater Replenishment Facility (GRF) to maintain sustainable groundwater levels. A total of 5,276 AF of recharge occurred at the Mission Creek GRF in WY 2022-2023.

CVWD, DWA, and MSWD periodically and as part of the 5-year Alternative Plan Updates review local and imported water supply availability and needs as part of the routine Mission Creek Subbasin Management Committee (Management Committee) activities per the 2004 Settlement Agreement.

9.2.2 Project WS-2: Recycled Water for Reuse in Mission Creek Subbasin

Project WS-2 will be to plan, design and construct tertiary treatment at MSWD's Regional Water Reclamation Facility (RWRF), where the recycled water can be used for groundwater recharge or for non-potable reuse for irrigation of parks, golf courses, schools, resorts, homeowner's associations, agricultural uses, etc. Project WS-2 is directly related to Project WQ-1: Convert from septic to sewer in MSWD area and Project WQ-2: Construct RWRF with nitrogen removal. MSWD continued construction of the RWRF, with plant operations beginning in early 2024. Implementation of Projects WQ-1 and WQ-2 will result in wastewater treatment and evaporation/percolation ponds in the Garnet Hill Subarea of the Indio Subbasin.

As identified in the 2022 Alternative Plan Update, recharge of treated effluent in the Mission Creek Subbasin could be important to groundwater sustainability by returning treated wastewater that would otherwise be evaporated/percolated in the Garnet Hill Subarea. Project WS-2 may be implemented in phases with the need for initiation of additional planning in the near future. Project WS-2 also has the advantage of being a water supply project that could be implemented locally.

9.2.3 Project WS-3: SWP – Delta Conveyance Project

The DCP project is led by the CDWR to improve SWP reliability. CVWD and DWA agreed to continue to participate in the DCP and advance funds for planning costs during 2021 and 2022. In 2022, CVWD's and DWA's Board of Directors authorized funding for planning and design costs for 2023 and 2024. The DCP will modernize SWP conveyance facilities in the Delta and increase future long-term reliability. Existing natural channels currently used for SWP conveyance are vulnerable to earthquakes, rising sea level, and pumping restrictions. The DCP will construct and operate a new tunnel to bypass these vulnerable natural

channels. The new facilities will convey water from the north Delta to the south Delta operating in coordination with the existing south Delta pumping facilities. The planning process for the proposed DCP is moving forward. In 2023, soil investigations, including data collection, soil samples and surveys, were underway in the Delta as part of the planning and design phase of the DCP. Also, the Delta Conveyance Design and Construction Authority (DCA) continued with community benefit programs and educational workshops. On December 8, 2023, the CDWR released the Final Environmental Impact Report (Final EIR) for the DCP to comply with the requirements of the California Environmental Quality Act (CEQA). CDWR approved the project and certified the Final EIR on December 21, 2023.

9.2.4 Project WS-4: SWP – Lake Perris Seepage Recovery Project

CVWD and DWA are participating in the Lake Perris Seepage Recovery Project, which is being led by the CDWR and MWD. This project will collect and distribute SWP water seeping under the Lake Perris Dam for delivery to MWD in addition to its current allocated Table A water. The project consists of installing an integrated recovery well system that would include up to six new seepage recovery wells downgradient from the face of the Lake Perris Dam and a conveyance pipeline connecting the wells to MWD’s Colorado River Aqueduct (CRA). CVWD and DWA were invited to partner in the project with MWD, and the parties signed an agreement with CDWR in 2021 to fund environmental analysis, planning, and preliminary design. The project is estimated to recover approximately 7,500 AFY, with approximately 2,750 AFY for delivery to CVWD and DWA, and will allocate a portion of this water to the Mission Creek Subbasin. This project is estimated to result in the delivery of 233 AFY of water to the Mission Creek GRF in 2025 increasing to approximately 268 AFY by 2045. The project is proceeding as planned. Currently, the CDWR is continuing to perform geotechnical modeling for the project.

9.2.5 Project WS-5: SWP – Sites Reservoir Project

The Sites Project Authority is developing the Sites Reservoir Project. The project is considered “off-stream,” i.e., it will not dam or impede the Sacramento River or other streams. The Sites Reservoir will operate in conjunction with other California reservoirs to increase water supply reliability and resiliency. Project implementation will increase water storage capacity in Northern California by up to 15 percent. Water supply and storage capacity will be available to water purveyors throughout California who want to purchase water supply from the Sites Reservoir Project. The project is in the early planning and permitting stages. The Sites Project Authority is currently negotiating agreements to secure funding and financing for the design, construction, and operation of the project.

In 2019, CVWD and DWA entered into an agreement with the Sites Project Authority for the next phase of planning for the Sites Reservoir (Sites Project Authority 2019; 2020). In 2022, CVWD’s and DWA’s Board of Directors authorized funding for Phase 2 Amendment 3 to the 2019 Sites Reservoir Project Agreement for 2022, 2023, and 2024. CVWD and DWA are participating members at 10,000 AFY (5.2%) and 6,500 AFY (3.4%) levels, respectively. Assuming a 30 percent conveyance loss, CVWD and DWA anticipate an average delivery of 11,550 AFY of Sites Reservoir water beginning in 2035. The portion of the Sites Reservoir Project estimated to be delivered to MCSB is 1,124 AFY beginning in 2035.

In January 2023, the Sites Project Authority submitted an amended water rights application, and in May, the State Water Board deemed the amended application sufficient to proceed with public notice. Also, in 2023, other permit applications, and a Water Infrastructure Finance and Innovation Act (WIFIA) loan



application were submitted. In November 2023, the Sites Project Authority, as the lead agency under the CEQA, certified the Final EIR and approved the project. The project was certified by Governor Newsom under Senate Bill 149.

9.3 Water Quality Protection

There is a broad suite of active water quality protection programs that are implemented by local agencies, and collaboratively in the Planning Area. Several of these projects are related to updating the CV-SNMP, including the implementation of the CV-SNMP groundwater monitoring program, new wells for monitoring, and the development of the CV-SNMP. Water Quality Protection projects include:

- Project WQ-1: Convert from septic to sewer in MSWD area,
- Project WQ-2: Construct RWRf with nitrogen removal,
- Project WQ-3: Track water quality regulatory actions,
- Project WQ-4: Well source assessment and protection coordination,
- Project WQ-5: Engage in planning processes to protect water quality,
- Project WQ-6: Educate the public on groundwater quality issues,
- Project WQ-7: Implement CV-SNMP Development Workplan,
- Project WQ-8: Implement CV-SNMP Groundwater Monitoring Program Workplan,
- Project WQ-9: Install water quality monitoring wells, and
- Project WQ-10: Evaluate the occurrence and risk of uranium migration.

The water quality protection projects are described below.

9.3.1 Project WQ-1: Convert from Septic to Sewer in MSWD Area

Project WQ-1 is MSWD's ongoing Groundwater Quality Protection Program (GQPP) to convert residences from septic to community sewers and wastewater treatment facilities. MSWD Assessment District (AD) 15 and AD-18 will support septic to sewer conversions by providing local funding to match with grant funding opportunities. MSWD has completed the conversion of septic to sewer in five previous ADs to date. MSWD plans to begin construction of the AD-15 project in 2024. Additionally, MSWD continued the design for the final two subareas in AD-18. Finally, MSWD was awarded grant funding to complete the construction of AD-18 Subarea D3 through Proposition 1, Round 2. MSWD plans to begin construction on the project in 2024.

9.3.2 Project WQ-2: Construct RWRf With Nitrogen Removal

In anticipation of meeting future treatment and recharge needs, MSWD began construction of the RWRf (Project WQ-2), which will treat wastewater flows to secondary levels including nitrification and denitrification. Located in the Garnet Hill Subarea of the Indio Subbasin, the RWRf will divert some wastewater flows from existing wastewater treatment plants in the Mission Creek Subbasin that are nearing capacity. The RWRf will have an initial capacity of 1.5 million gallons per day (mgd). The RWRf project construction continued through 2023, with operations scheduled to begin in early 2024. The

project is expected to reach 1.5 mgd treatment capacity by approximately 2030. The RWRf is designed to be readily expanded to 3.0 mgd capacity by converting from a sequence batch reactor treatment process to a membrane bioreactor treatment process within the same footprint. Wastewater flows will be from existing sewer customers and from the septic to sewer conversions in the Desert Hot Springs Subbasin, Mission Creek Subbasin, and Garnet Hill Subarea of the Indio Subbasin.

Treated wastewater will be discharged to evaporation/percolation ponds in the Garnet Hill Subarea and will show a measurable reduction in nitrogen in the effluent water quality samples compared to the existing septic system dischargers. The benefits of a treated RWRf effluent rather than septic discharges are reduced contributions of nitrates and ammonia to the aquifer, which results in improved groundwater quality. Upon completion of the RWRf construction, treated effluent from Project WQ-2 can be conveyed and reused in Project WS-2 with the construction of additional treatment, recycled water distribution systems, and groundwater recharge facilities.

9.3.3 Project WQ-3: Track Water Quality Regulatory Actions

State Water Resources Control Board – Division of Drinking Water (SWRCB-DDW) and the United States Environmental Protection Agency (USEPA) periodically update drinking water constituent lists for potential regulation. These updated lists need to be tracked and shared as they could affect the ability of CVWD, DWA, and MSWD to comply with drinking water regulations. This PMA continues the ongoing effort to track potential regulatory actions of SWRCB-DDW and USEPA and to share information during Management Committee meetings, including information on hexavalent chromium and per- and polyfluoroalkyl substances (PFAS). As water quality can vary across the Planning Area, each agency will evaluate its data to assess the impact of regulations within its boundaries. In WY 2022-2023, the Agencies provided comments on California’s proposed hexavalent chromium regulation. Hexavalent chromium is naturally occurring at low levels in the Coachella Valley, but many wells will exceed the proposed California maximum contaminant level (MCL) for hexavalent chromium in drinking water of 10 micrograms per liter, requiring treatment or other actions to meet the proposed MCL.

9.3.4 Project WQ-4: Well Source Assessment and Protection Coordination

Project WQ-4 provides information for source water assessment and wellhead protection to protect sources of drinking water. Information includes the potential for contaminating activities that may impact both individual wells and managed and natural recharge areas. Potential contaminating activities can include spills, landfills, and underground tank leaks which are regulated by the Riverside County Department of Environmental Health (RCDEH), the Colorado River Basin Regional Water Quality Control Board (RWQCB), and/or California Department of Toxic Substance Control. The Agencies will continue to coordinate as necessary with the appropriate regulatory agencies responsible for monitoring and regulating potentially contaminating activities, especially if the activity occurs within well capture zones and/or principal recharge zones. Information gathered can be shared during Management Committee meetings and appropriate follow-up actions can be discussed and pursued. This is an ongoing activity with no specific updates in WY 2022-2023.

9.3.5 Project WQ-5: Engage in Planning Processes to Protect Water Quality

Project WQ-5 involves assessing development proposals during the entitlement process for potential water quality and other impacts. This activity is the responsibility of each agency. Agencies are notified of



new projects in the incorporated cities of Desert Hot Springs and Palm Springs and unincorporated Riverside County through receipt of the notice of preparation of environmental documents, requests for water supply assessments for larger developments, and other means. Agencies can review and comment on the documents and identify water quality and other potential impacts to the Mission Creek Subbasin. This is an ongoing activity with no specific updates in WY 2022-2023.

9.3.6 Project WQ-6: Educate the Public on Groundwater Quality Issues

Project WQ-6 provides public education on groundwater quality. This project is ongoing through participation in the Groundwater Guardian program, a community educational program developed by the non-profit Groundwater Foundation. MSWD activities under the program included class field trips to the Mission Creek Preserve and the Alan L. Horton Wastewater Treatment Plant, and Water 101 educational workshops held at the local library. Other ongoing planning activities such as the CV-SNMP, Coachella Valley Integrated Regional Water Management Plan, and CV Water Counts provide opportunities for additional public education regarding groundwater quality.

9.3.7 Project WQ-7: Implement CV-SNMP Development Workplan

In 2015, the CV-SNMP was developed for the Coachella Valley Groundwater Basin in accordance with the Recycled Water Policy. The CV-SNMP was prepared to manage salts and nutrients on a Subbasin-wide basis, while encouraging recycled water use. However, the RWQCB made recommendations for improvements to the CV-SNMP in 2020. In 2021 and 2022, the CV-SNMP Agencies – which include CVWD, CWA/Coachella Sanitary District, City of Palm Springs, DWA, IWA, MSWD, Myoma Dunes Mutual Water Company, and Valley Sanitary District – prepared a CV-SNMP Development Workplan (Development Workplan), which is the focus of this project, and a CV-SNMP Groundwater Monitoring Program Workplan (Groundwater Monitoring Workplan), which is Project WQ-8, to guide revisions to the plan.

The CV-SNMP Agencies submitted the Development Workplan to the RWQCB in September 2021 and it was accepted by the RWQCB in October 2021. The goal of the Development Workplan was to outline the steps necessary to revise the 2015 CV-SNMP considering RWQCB review comments and in accordance with the 2018 Recycled Water Policy.

CVWD, DWA, and MSWD, along with the other CV-SNMP Agencies, are implementing the Development Workplan, which includes conducting public outreach and creating a technical advisory committee, characterizing current groundwater quality and salt loading, developing total dissolved solids/nitrogen (TDS/N) forecasting methodologies, completing forecasting for multiple scenarios, selecting a preferred scenario, establishing management zones, and recommending TDS objectives. The implementation schedule for the Development Workplan concludes with a final CV-SNMP submitted to the RWQCB in October 2026. The CV-SNMP Agencies initiated Development Workplan tasks to establish the CV-SNMP stakeholder group and Technical Advisory Committee (TAC). The Agencies established a project website (cvsnmp.com) and completed a Stakeholder Outreach and Engagement Plan. The TAC was established as well as regular meetings with RWQCB staff. Agencies completed work on Technical Memorandum (TM) #1 to characterize TDS/N loading to the groundwater basin including coordination and review of assumptions from the agriculture and golf sector. Work was initiated on TM #2 to characterize current groundwater quality. CVWD, on behalf of the CV-SNMP Agencies, contracted with USBR for a \$200,000



WaterSMART Applied Science grant to help develop the Mission Creek Subbasin fate and transport model.

9.3.8 Project WQ-8: Implement CV-SNMP Groundwater Monitoring Program Workplan

With the other CV-SNMP Agencies, CVWD, DWA, and MSWD are implementing the Groundwater Monitoring Workplan approved by the RWQCB in February 2021. The Groundwater Monitoring Workplan outlines an expanded groundwater monitoring program to sufficiently characterize nitrogen and TDS concentrations in groundwater. The Groundwater Monitoring Workplan covers all subbasins within the Coachella Valley Groundwater Basin, including Mission Creek Subbasin; includes sampling from the deep, shallow, and perched zones of the aquifer; focuses on critical areas near large water reclamation plants, Groundwater Replenishment Facilities (GRFs), and other potential sources of salt and nutrient loading; and emphasizes areas near production wells. The Groundwater Monitoring Workplan establishes the monitoring network, sampling frequency, and reporting of monitoring results, and identifies data gaps to be filled in the monitoring network. Efforts to install water quality monitoring wells under this workplan are described in Project WQ-9. The CV-SNMP Agencies submitted the second annual progress report and data to the RWQCB in March 2023 and continued monitoring of the network wells. The Agencies signed a data sharing memorandum of understanding (MOU) with the Agua Caliente Band of Cahuilla Indians to monitor three wells on Trust land. The final report of the first triennial monitoring cycle will be submitted by March 2024.

9.3.9 Project WQ-9: Install Water Quality Monitoring Wells

The CV-SNMP Groundwater Monitoring Workplan identified locations in the Coachella Valley Groundwater Basin, including Mission Creek Subbasin, at which monitoring wells will be constructed and sampled to address data gaps. Wells will be constructed in accordance with the schedule provided in the Groundwater Monitoring Workplan to support water quality data collection. The schedule requires that wells be installed to collect at least one sample from each well by December 31, 2026. CVWD, on behalf of the Agencies, submitted and received approval for an individual application to the CDWR Technical Support Services (TSS) to construct proposed water quality monitoring wells in the Mission Creek Subbasin. Well service request forms were submitted to the TSS program and approved for monitoring wells at several sites in the Mission Creek Subbasin. Agencies continue to coordinate with CDWR on finalizing program agreements and anticipate monitoring well construction to begin in 2024.

9.3.10 Project WQ-10: Evaluate Occurrence and Risk of Uranium Migration

MSWD plans to initiate a study in the near term to evaluate the potential sources and migration risk of uranium. The study is also intended to evaluate whether the uranium source is associated with specific alluvial sediments so that future wells can be designed to avoid those sediments if necessary. There are no specific updates for this project in WY 2022-2023.

9.4 SGMA Implementation

SGMA implementation will require continuing a range of monitoring, data management and reporting activities that have been an integral part of water management since the preparation of the 2013 Mission Creek-Garnet Hill Water Management Plan (2013 MC-GH WMP). The SGMA Implementation projects are:

- Project SGMA-1: Continue existing subbasin Management Committee structure,
- Project SGMA-2: Conduct subsidence evaluation,
- Project SGMA-3: Maintain and manage water related data,
- Project SGMA-4: SGMA Annual Reports,
- Project SGMA-5: Five-Year Alternative Plan Updates, and
- Project SGMA-6: Pursue funding opportunities.

The projects below are either required by the SGMA or otherwise support meeting the SGMA requirements.

9.4.1 Project SGMA-1: Continue Existing Subbasin Management Committee Structure

This project was initiated during the preparation of the 2013 MC-GH WMP and satisfies CDWR's guidelines for a groundwater management planning committee. The Management Committee is a requirement of the 2004 Settlement Agreement and meetings between General Managers and staff occur quarterly. In addition, staff have periodic coordination meetings for items like Alternative Plan Updates, Annual Reports, or other relevant topics that may arise and will meet at least once per year to specifically discuss the Annual Report. In WY 2022-2023, the Management Committee met quarterly, and staff held regular coordination meetings to discuss the Alternative Plan Update and Annual Report.

9.4.2 Project SGMA-2: Conduct Subsidence Evaluation

The Agencies have engaged the United States Geological Survey (USGS) to conduct a more detailed evaluation of the potential for subsidence in the Mission Creek Subbasin. As part of this evaluation, the Agencies provided USGS groundwater level data in December 2021 and based on their initial review, the USGS decided to move forward with the evaluation. In WY 2022-2023, three new benchmarks were constructed and high precision global positioning system (GPS) measurements were taken at the new benchmarks. The USGS continued to work on analysis of measurements and groundwater levels with a final study report expected by June 30, 2025.

9.4.3 Project SGMA-3: Maintain and Manage Water Related Data

Each agency maintains a broad range of groundwater information such as groundwater pumping, water levels, and water quality. Project SGMA-3 continues the Agencies' current practice of compiling and validating this information. The data will be used to evaluate groundwater management needs such as trends relative to Sustainable Management Criteria including water levels, basin storage, subsidence, and water quality to be reported in Project SGMA-4: SGMA Annual Reports and Project SGMA-5: Five-Year Alternative Plan Updates. This is an ongoing activity with no specific updates in WY 2022-2023.

9.4.4 Project SGMA-4: SGMA Annual Reports

The Management Committee will prepare and submit an Annual Report to the CDWR by the April 1 deadline each year. The Annual Report is a comprehensive evaluation of water data that have been

collected by each agency, per Project SGMA-3: Maintain and manage water related data. Annual reports are required to include the following components for the preceding water year:

- General information, including an executive summary and a location map depicting the basin covered by the report.
- A detailed description and graphical representation of the following conditions of the basin: groundwater elevation contour maps for each aquifer showing seasonal highs and low water levels; hydrographs of groundwater elevations; groundwater extraction by water use sector that identifies the method of measurement, the accuracy of measurement and a map that illustrates the general location and volume of groundwater extractions; surface water supply used or available for use for groundwater recharge or in-lieu use; total water use reported by water use sector and water source type; change in groundwater storage map for each principal aquifer; and a graph depicting water year type groundwater use, annual change in groundwater storage, and the cumulative change in groundwater storage for the basin based on historical data.
- A description of progress towards implementing the Alternative Plan, including achieving interim milestones, and implementing of PMAs since the previous annual report.

9.4.5 Project SGMA-5: Five-Year Alternative Plan Updates

The 2013 MC-GH WMP identified the need for periodic review and update of the water management plan. As required by the SGMA, the Alternative Plan Update (in this section also referred to as the "Plan") will be reviewed every five years to assess changing conditions in the Mission Creek Subbasin that may warrant modification of the Plan or management objectives.

The Alternative Plan Updates will evaluate groundwater conditions and the status of PMAs to determine whether the Sustainable Management Criteria and management objectives are meeting the sustainability goals of the Mission Creek Subbasin. In addition to meeting the SGMA requirements, the Agencies identified some other key areas requiring periodic review including evaluation of demand projections, imported water supply reliability, and update of the groundwater model and model forecasts. The first 5-year Alternative Plan Update was completed in November 2021 and was submitted to the CDWR in December 2021. The next 5-year Alternative Plan Update is due to the CDWR on January 1, 2027.

9.4.6 Project SGMA-6: Pursue Funding Opportunities

Development of the 2022 Alternative Plan Update was partially funded through a Proposition 68 Sustainable Groundwater Management Grant. Additional outside grants will be sought to reduce the cost of implementing the project and management actions for the participating agencies and the communities that rely on the Mission Creek Subbasin. Financing options under consideration include loans and grants for projects and management actions, as well as monitoring network improvements and other planning/feasibility analyses needed to support Plan implementation. Funding through grants or loans has varying levels of certainty and may be available for some implementation activities (including capital projects). The Agencies will continue to identify and pursue funding opportunities for PMAs as funding opportunities become available.

9.5 Well Management

Well management activities will facilitate maintaining water quality in the Mission Creek Subbasin in addition to improving data collection regarding well locations and pumping. The well management projects are:

- Project WELL-1: Well construction, abandonment, and destruction management;
- Project WELL-2: Subbasin well inventory; and
- Project WELL-3: Expand groundwater production reporting.

These projects are described below.

9.5.1 Project WELL-1: Well Construction, Abandonment, and Destruction Management

This project is an important management tool as RCDEH has regulatory authority over well construction and destruction. RCDEH has a permitting process for new or replacement wells in the Mission Creek Subbasin, encompassed in Riverside County Ordinance 682.4. In addition, the Riverside County General Plan and the City of Desert Hot Springs General Plan include policies related to wellhead protection and sustainable groundwater pumping. The Agencies will continue to work with RCDEH so that any new wells are constructed to current standards, artesian flow management policies are followed, and any existing wells that could negatively impact groundwater quality are retrofitted, properly capped, or destroyed. In WY 2022-2023, the Agencies continued to review permit applications for new wells and alteration of existing wells for compliance with the Governor's Executive Order N-3-23. This order requires verification from the Groundwater Sustainability Agency (GSA) that the proposed well location is generally consistent (not inconsistent) with the Alternative Plan Update and will not decrease the likelihood of achieving the sustainability goals that the GSAs have developed under the SGMA. No permit applications for new wells or alteration of existing wells in the Mission Creek Subbasin were received by CVWD or DWA in WY 2022-2023.

9.5.2 Project WELL-2: Subbasin Well Inventory

The Mission Creek Subbasin has a well inventory compiled by CVWD and DWA to implement the Replenishment Assessment Charge (RAC) Programs for assessable groundwater production. CVWD levies and collects the RAC from groundwater producers that benefit from the Groundwater Replenishment Programs (GRPs) and extract more than 25 AFY within the CVWD Mission Creek Subbasin Area of Benefit (AOB). DWA levies and collects the RAC from groundwater producers that benefit from the GRPs and extract more than 10 AFY within DWA's Mission Creek Subbasin AOB. However, data on minimal pumpers who do not meet these criteria are incomplete. It is unclear how many wells producing less than the RAC criteria exist, and approximations of unreported production are best estimates.

The Agencies may develop a well inventory for the Mission Creek Subbasin that will identify and compile information about all production wells located in the Mission Creek Subbasin. CVWD is evaluating this effort, with DWA participating at its discretion. The well inventory would involve development of a well registry. The well inventory would support any expansion or refinement of the monitoring network, allow improvement of groundwater extraction estimates, and improve the understanding of how private

wells may affect Mission Creek Subbasin conditions and how Mission Creek Subbasin management may affect private wells. Compilation of the well inventory may include the following:

- Review and organize data management systems to incorporate well inventory component;
- Gather water well drillers' reports with well construction information;
- Coordinate with well owners to identify wells and obtain relevant information on location, construction, use, status, and monitoring, if any;
- Conduct as-needed field visits to verify well location, use, and status; and
- Input well inventory information into the data management system.

The Agencies will collaborate with the CDWR, local agencies, water users, landowners, and leaseholders to identify and locate wells and compile information on construction, status, and use. This is an ongoing activity with no specific updates in WY 2022-2023.

9.5.3 Project WELL-3: Expand Groundwater Production Reporting

SGMA (Section 10725.8) authorizes GSAs to require that the use of every groundwater extraction facility (production well) be measured with a water-measuring device (meter) except for de minimis extractors (domestic users extracting 2 AFY or less). CVWD and DWA already require metering and extraction reporting by groundwater producers pumping more than 25 and 10 AFY, respectively, based on their respective water management authorities. CVWD and DWA separately author an Engineer's Report on Water Supply and Replenishment Assessment annually to assess the groundwater supply conditions and the need for continued replenishment within their AOBs, to provide a description of the current GRF operations, and to recommend adjustments to the RACs that are levied on groundwater production (see CVWD's website: <https://cvwd.org/Archive.aspx?AMID=43> and DWA's website: <https://dwa.org/about-us/documents/library/>).

CVWD and DWA may consider expansion of groundwater extraction reporting to include groundwater pumpers that produce less than the current assessment thresholds but more than the de minimis threshold established by the SGMA. CVWD would evaluate this effort with a Cost-of-Service Study for a SGMA fee within its AOB; DWA may require reporting within their service areas at their discretion. This project remains under consideration as of WY 2022-2023.

9.6 Adaptive Management

The Agencies have developed an adaptive management process to monitor management progress and adjust management plans and procedures as needed. The adaptive management process consists of the following steps: 1) Planning, 2) Implementation, 3) Monitoring, 4) Analysis, and 5) Modification. The key to the adaptive management process is continual evaluation and program adjustment to meet the overall Mission Creek Subbasin management objectives.

9.7 Summary of Active Projects

The sections above describe PMAs identified in the 2022 Alternative Plan Update that are currently being implemented (ongoing) or PMAs that will be implemented in the future (collectively Active PMAs).

Table 9-1 provides a summary of the Active PMAs and any updates that occurred in WY 2022-2023.

**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
Water Conservation (WC)			
WC-1	Continue to implement urban water conservation and education programs	The Agencies continued education and outreach to encourage water use efficiency by urban water users, indoor and outdoor incentive programs, ordinances and conservation pricing, water loss management, and conservation staff support. In WY 2022-2023, Agencies invested drought penalty revenue into conservation, increased rebate incentives, creating turf conversion cost-share programs with three local cities, increased messaging regarding drought water efficiency, and awarded a contract to begin construction on a new demonstration garden.	Ongoing
WC-2	Track water conservation effectiveness through the Urban Water Management Plans (UWMPs)	CVWD, DWA and MSWD continued to track the effectiveness of their urban water conservation programs and the progress towards achieving their water conservation goals in the UWMPs prepared at 5-year intervals.	Ongoing
WC-3	Regional water savings study	Agencies continued progress toward a regional conservation study specific to the conditions of Coachella Valley. In 2023, the Agencies submitted a request and received grant funding. The study, identified as The Regional Conservation Study, is in progress. Completion of the study is anticipated in summer 2024.	Planned
WC-4	Implement Water Shortage Contingency Plan	CVWD, DWA, and MSWD rescinded the implementation of all Shortage Level 2 demand reduction actions and returned to Level 1 during WY 2022-2023. Agencies continued to monitor water supplies and operational changes that could alleviate any future water shortages.	Ongoing
Water Supply (WS) Including Reliability and New Supply Development			



**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
WS-1	Continue existing imported water replenishment program	CVWD and DWA to continue recharge activities at the Mission Creek GRF based on SWP Exchange water availability. In WY 2022-2023, 5,275 AF of recharge occurred at the Mission Creek GRF.	Ongoing
WS-2	Recycled water for reuse in Mission Creek Subbasin	MSWD continued construction of the RWRF, with plant operations beginning in early 2024.	Planned
WS-3	State Water Project (SWP) – Delta Conveyance Project	CVWD and DWA are participants in the DCP which will develop new facilities to modernize the SWP. In 2023, soil investigations, including data collection, soil samples and surveys, were underway in the Delta as part of the planning and design phase of the DCP. Also, the DWR and DCA continued with the community benefit programs and educational workshops. On December 8 th , the DWR released the Final EIR for the DCP to comply with the requirements of CEQA. CDWR approved the project and certified the Final EIR on December 21, 2023.	Planned
WS-4	SWP – Lake Perris Seepage Recovery Project	CVWD and DWA are participants in the Lake Perris Seepage Recovery Project, which consists of installing an integrated recovery well system to collect SWP water that is currently seeping beneath Perris Dam. Currently, the CDWR is continuing to perform geotechnical modeling for the project.	Planned
WS-5	SWP – Sites Reservoir Project	CVWD and DWA are participants in the Sites Reservoir Project, an off-stream reservoir designed to capture winter runoff from uncontrolled streams below the existing reservoirs in the Sacramento Valley. In January 2023, the Sites Project Authority (Authority) submitted an amended water rights application, and in May the State Water Board deemed the amended application sufficient to proceed with public	Planned



**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
		notice. Also, in 2023, other permit applications as well as a WIFIA loan application were submitted. In November 2023, the Authority, as the lead agency under the CEQA, certified the Final EIR and approved the Project. The Project was certified by Governor Newsom under Senate Bill 149.	
Water Quality Protection (WQ)			
WQ-1	Convert from septic to sewer in MSWD's service area	Continued septic to sewer conversions within MSWD service area as a part of wastewater and groundwater management.	Ongoing
WQ-2	Construct Regional Water Reclamation Facility (RWRF) with nitrogen removal	Construction continued through 2023 with operations scheduled to begin in early 2024.	Ongoing: construction completion in 2024
WQ-3	Track water quality regulatory actions	Agencies continued to track potential regulatory actions of SWRCB-DDW and USEPA that could affect ability to comply with drinking water regulations including hexavalent chromium and PFAS. The Agencies provided comments on California's proposed hexavalent chromium regulation. Hexavalent chromium is naturally occurring at low levels in the Coachella Valley, but many wells will exceed the proposed California maximum contaminant level (MCL) for hexavalent chromium in drinking water of 10 micrograms per liter.	Ongoing
WQ-4	Well source assessment and protection coordination	Agencies continued to coordinate with the appropriate local, state, and federal regulatory agencies regarding potentially contaminating activities within well capture zones and principal recharge zones.	Ongoing



**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
WQ-5	Engage in planning processes to protect water quality	Agencies continued to review and comment on proposed land developments, environmental documents and land use plans developed by local planning agencies.	Ongoing
WQ-6	Educate public on groundwater quality issues	Continued to support the Groundwater Guardian program, a community educational program developed by the non-profit Groundwater Foundation.	Ongoing
WQ: Salt and Nutrient Management Planning			
WQ-7	Participate in Implementation of CV-SNMP Development Workplan	CV-SNMP Agencies continued to implement the Development Workplan tasks including establishing the CV-SNMP stakeholder group and Technical Advisory Committee (TAC). The Agencies established a project website (cvsnmp.com) and completed a Stakeholder Outreach and Engagement Plan. The TAC was established, and regular meetings were scheduled with RWQCB staff. Agencies completed work on TM #1 to characterize TDS/N loading to the groundwater basin including coordination and review of assumptions from the Agriculture and Golf sector. Work was initiated on TM #2 to characterize current groundwater quality. CVWD on behalf of the CV-SNMP Agencies, contracted with USBR for a \$200,000 WaterSMART Applied Science grant to help develop the Mission Creek Subbasin fate and transport model.	Ongoing: completion in October 2026
WQ-8	Implement CV-SNMP Groundwater Monitoring Program Workplan	CV-SNMP Agencies submitted the second annual progress report and data to the RWQCB in March 2023 and continued monitoring of the network wells. The Agencies signed a data sharing MOU with the Agua Caliente Band of Cahuilla Indians for monitoring of three wells on Trust	Ongoing



**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
		land. The final report of the first triennial monitoring cycle will be submitted by March 2024.	
WQ-9	Install water quality monitoring wells	CVWD, on behalf of the Agencies, submitted and received approval for an individual application to the CDWR Technical Support Services (TSS) to construct proposed water quality monitoring wells in the Mission Creek Subbasin. Well service request forms were submitted to the TSS program and approved for monitoring wells at several sites in the Mission Creek Subbasin. Agencies continue to coordinate with CDWR on finalizing program agreements and anticipate monitoring well construction to begin in 2024.	Ongoing
WQ-10	Evaluate Occurrence and Risk of Uranium Migration	MSWD plans to initiate a study in the near term to evaluate the potential sources and migration risk of uranium.	Ongoing
SGMA Implementation (SGMA)			
SGMA-1	Continue existing subbasin management committee structure	The Agencies continued to maintain the existing Mission Creek Subbasin Management Committee structure.	Ongoing
SGMA-2	Conduct subsidence evaluation	Three new benchmarks were constructed in the Mission Creek Subbasin and high precision GPS measurements were taken at the new benchmarks. USGS continued to work on analysis of measurements and groundwater levels with a final study report expected by June 30, 2025.	Ongoing
SGMA-3	Maintain and manage water related data	The Agencies continued to maintain existing agency-specific data management systems to be combined annually to prepare SGMA Annual Reports.	Ongoing



**Table 9-1
 Summary of Active Projects and Management Actions**

Project No.	Project/Program	Project/Program Description and Update for WY 2022-2023	Ongoing/Planned
SGMA-4	SGMA Annual Reports	The Agencies assembled, processed, and evaluated water data for the Mission Creek Subbasin Annual Report for SGMA compliance for WY 2022-2023.	Ongoing
SGMA-5	Five-Year Alternative Plan Updates	The Agencies prepared and submitted the first five-year Alternative Plan Update to the CDWR in December 2021. The next Alternative Plan Update is due to the CDWR on January 1, 2027.	Ongoing: due January 1, 2027
SGMA-6	Pursue funding opportunities	The Agencies continued to identify and will pursue funding opportunities for PMAs as funding opportunities become available. The Agencies applied for the CDWR Sustainable Groundwater Management SGMA Implementation Round 2 funding but were not awarded the funding.	Ongoing
Well Management (WELL)			
WELL-1	Well construction, abandonment, and destruction management	Agencies continued cooperative efforts with RCDEH regarding well management programs.	Ongoing
WELL-2	Subbasin Well Inventory	The Agencies continued to develop a well inventory system.	Ongoing
WELL-3	Expand Groundwater Production Reporting	The Agencies continued to consider expansion of requirements for reporting of groundwater extraction to any pumpers that extracts more than the de minimis user threshold of 2 AFY or less established by the SGMA.	Ongoing



9.8 Summary of Progress

The Agencies continue to implement the goals and programs of the 2022 Alternative Plan Update and have made significant progress in maintaining the sustainability of groundwater supplies in the Mission Creek Subbasin. For WY 2022-2023, groundwater production was approximately 23 percent less than the historical highs in the mid-2000s. The ongoing basin monitoring program result demonstrates that long-term overdraft (i.e., the average overdraft over a generally 20-year period or more) in the Mission Creek Subbasin has been eliminated.

Groundwater level monitoring demonstrates increased groundwater levels since 2009 in most of the Mission Creek Subbasin. The rise in groundwater levels and the resulting increase in groundwater storage is due to the continued implementation of the water management elements described above, including the delivery of imported water for groundwater replenishment. All but one of the Key Wells showed groundwater levels higher than the Measurable Objective (i.e., maintaining water levels at or above 2009 levels) for the water level sustainability criteria identified in the 2022 Alternative Plan Update, and consequently, substantially above the Minimum Thresholds. The well with a water level below the Measurable Objective was 5.4 feet below the objective, but above the Minimum Threshold. The Measurable Objective for this well had been identified as provisional and may be adjusted based on overall water level trends in the Mission Creek Subbasin. Maintaining water levels above the sustainability criteria also resulted in maintaining groundwater storage above its Measurable Objective and Minimum Threshold. Monitoring ground levels using Interferometric Synthetic Aperture Radar (InSAR) data from CDWR continued to confirm that subsidence is not occurring in the Mission Creek Subbasin. A review of water quality data for the water year did not indicate any water quality exceedances above the Minimum Thresholds.

Continued implementation of the 2022 Alternative Plan Update is critical to meeting the goals of the Plan. The Agencies will also continue to evaluate the effectiveness of their groundwater monitoring program, and additional wells will be added to the program as the need and opportunity arise. The Agencies will continue to gather information on the potential for subsidence in the Mission Creek Subbasin and update the sustainability criteria for this Sustainability Indicator, if needed. In addition, the CV-SNMP development will include information gathering and analyses that will enhance the regional understanding of water quality in the Mission Creek Subbasin.

Section 10 – References

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APPENDIX

A

GROUNDWATER ELEVATION DATA WY 2021-2022 AND WY 2022-2023

Table A-1

Groundwater Elevation Data WY 2021-2022 and WY 2022-2023

Mission Creek Subbasin Annual Report

Water Year 2022-2023

Coachella Valley, California

State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
02S04E21H001S	Other	DWA	11/3/2021	1449.84	490.4	959.44	2022
02S04E21H001S	Other	DWA	12/6/2021	1449.84	491.3	958.54	2022
02S04E21H001S	Other	DWA	1/11/2022	1449.84	492.6	957.24	2022
02S04E21H001S	Other	DWA	2/10/2022	1449.84	493.3	956.54	2022
02S04E21H001S	Other	DWA	3/15/2022	1449.84	494.3	955.54	2022
02S04E21H001S	Other	DWA	4/26/2022	1449.84	495.5	954.34	2022
02S04E21H001S	Other	DWA	6/15/2022	1449.84	497.2	952.64	2022
02S04E21H001S	Other	DWA	7/13/2022	1449.84	497.8	952.04	2022
02S04E21H001S	Other	DWA	8/23/2022	1449.84	498.95	950.89	2022
02S04E21H001S	Other	DWA	9/15/2022	1449.84	499.75	950.09	2022
02S04E21H001S	Other	DWA	10/11/2022	1449.84	500.45	949.39	2023
02S04E21H001S	Other	DWA	11/21/2022	1449.84	501.8	948.04	2023
02S04E21H001S	Other	DWA	12/21/2022	1449.84	502.7	947.14	2023
02S04E21H001S	Other	DWA	1/23/2023	1449.84	503.55	946.29	2023
02S04E21H001S	Other	DWA	2/23/2023	1449.84	504.65	945.19	2023
02S04E21H001S	Other	DWA	4/5/2023	1449.84	506	943.84	2023
02S04E21H001S	Other	DWA	5/26/2023	1449.84	507.3	942.54	2023
02S04E21H001S	Other	DWA	6/14/2023	1449.84	507.83	942.01	2023
02S04E21H001S	Other	DWA	7/21/2023	1449.84	509.33	940.51	2023
02S04E21H001S	Other	DWA	8/23/2023	1449.84	503.16	946.68	2023
02S04E21H001S	Other	DWA	9/19/2023	1449.84	495.42	954.42	2023
02S04E23N002S	Key	MSWD	10/6/2021	1286.05	555.6	730.45	2022
02S04E23N002S	Key	MSWD	11/2/2021	1286.05	555.6	730.45	2022
02S04E23N002S	Key	MSWD	12/1/2021	1286.05	555.6	730.45	2022
02S04E23N002S	Key	MSWD	1/5/2022	1286.05	555.1	730.95	2022
02S04E23N002S	Key	MSWD	2/1/2022	1286.05	555.2	730.85	2022
02S04E23N002S	Key	MSWD	3/23/2022	1286.05	556.4	729.65	2022
02S04E23N002S	Key	MSWD	4/20/2022	1286.05	556.9	729.15	2022
02S04E23N002S	Key	MSWD	5/4/2022	1286.05	565	721.05	2022
02S04E23N002S	Key	MSWD	6/1/2022	1286.05	565	721.05	2022
02S04E23N002S	Key	MSWD	7/12/2022	1286.05	558	728.05	2022
02S04E23N002S	Key	MSWD	8/9/2022	1286.05	558	728.05	2022
02S04E23N002S	Key	MSWD	9/20/2022	1286.05	558	728.05	2022
02S04E23N002S	Key	MSWD	10/4/2022	1286.05	559	727.05	2023
02S04E23N002S	Key	MSWD	11/1/2022	1286.05	559	727.05	2023
02S04E23N002S	Key	MSWD	12/21/2022	1286.05	557.6	728.45	2023
02S04E23N002S	Key	MSWD	1/20/2023	1286.05	557.7	728.35	2023
02S04E23N002S	Key	MSWD	2/7/2023	1286.05	557.9	728.15	2023
02S04E23N002S	Key	MSWD	3/7/2023	1286.05	557.9	728.15	2023
02S04E23N002S	Key	MSWD	4/6/2023	1286.05	558.1	727.95	2023
02S04E23N002S	Key	MSWD	5/10/2023	1286.05	559	727.05	2023
02S04E23N002S	Key	MSWD	6/23/2023	1286.05	559.8	726.25	2023
02S04E23N002S	Key	MSWD	8/1/2023	1286.05	560.2	725.85	2023
02S04E23N002S	Key	MSWD	9/12/2023	1286.05	560	726.05	2023
02S04E23N002S	Key	MSWD	10/2/2023	1286.05	560	726.05	2023

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Groundwater Elevation Data WY 2021-2022 and WY 2022-2023

Mission Creek Subbasin Annual Report

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State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
02S04E26C001S	Other	MSWD	10/6/2021	1243.55	526.33	717.22	2022
02S04E26C001S	Other	MSWD	11/2/2021	1243.55	527.76	715.79	2022
02S04E26C001S	Other	MSWD	12/1/2021	1243.55	526.84	716.71	2022
02S04E26C001S	Other	MSWD	1/10/2022	1243.55	526.44	717.11	2022
02S04E26C001S	Other	MSWD	2/1/2022	1243.55	526.28	717.27	2022
02S04E26C001S	Other	MSWD	3/16/2022	1243.55	526.86	716.69	2022
02S04E26C001S	Other	MSWD	4/13/2022	1243.55	527.6	715.95	2022
02S04E26C001S	Other	MSWD	5/4/2022	1243.55	528.99	714.56	2022
02S04E26C001S	Other	MSWD	6/1/2022	1243.55	528.13	715.42	2022
02S04E26C001S	Other	MSWD	7/14/2022	1243.55	528.89	714.66	2022
02S04E26C001S	Other	MSWD	8/9/2022	1243.55	530.42	713.13	2022
02S04E26C001S	Other	MSWD	9/20/2022	1243.55	528.8	714.75	2022
02S04E26C001S	Other	MSWD	10/3/2022	1243.55	528.45	715.1	2023
02S04E26C001S	Other	MSWD	11/1/2022	1243.55	529.01	714.54	2023
02S04E26C001S	Other	MSWD	12/22/2022	1243.55	528.69	714.86	2023
02S04E26C001S	Other	MSWD	1/24/2023	1243.55	528.71	714.84	2023
02S04E26C001S	Other	MSWD	2/21/2023	1243.55	528.48	715.07	2023
02S04E26C001S	Other	MSWD	3/22/2023	1243.55	528.96	714.59	2023
02S04E26C001S	Other	MSWD	4/6/2023	1243.55	528.96	714.59	2023
02S04E26C001S	Other	MSWD	5/10/2023	1243.55	529.93	713.62	2023
02S04E26C001S	Other	MSWD	6/23/2023	1243.55	531.27	712.28	2023
02S04E26C001S	Other	MSWD	7/17/2023	1243.55	530.86	712.69	2023
02S04E26C001S	Other	MSWD	8/1/2023	1243.55	531.02	712.53	2023
02S04E26C001S	Other	MSWD	9/12/2023	1243.55	530.76	712.79	2023
02S04E26C001S	Other	MSWD	10/2/2023	1243.55	530.67	712.88	2023
02S04E28A001S	Other	MSWD	10/5/2021	1393.84	433.3	960.54	2022
02S04E28A001S	Other	MSWD	11/2/2021	1393.84	434.3	959.54	2022
02S04E28A001S	Other	MSWD	12/1/2021	1393.84	435.3	958.54	2022
02S04E28A001S	Other	MSWD	1/3/2022	1393.84	436.2	957.64	2022
02S04E28A001S	Other	MSWD	2/1/2022	1393.84	436.8	957.04	2022
02S04E28A001S	Other	MSWD	3/16/2022	1393.84	438.2	955.64	2022
02S04E28A001S	Other	MSWD	4/19/2022	1393.84	438.8	955.04	2022
02S04E28A001S	Other	MSWD	5/4/2022	1393.84	439.3	954.54	2022
02S04E28A001S	Other	MSWD	6/7/2022	1393.84	438.1	955.74	2022
02S04E28A001S	Other	MSWD	7/14/2022	1393.84	437	956.84	2022
02S04E28A001S	Other	MSWD	8/16/2022	1393.84	442	951.84	2022
02S04E28A001S	Other	MSWD	9/20/2022	1393.84	444	949.84	2022
02S04E28A001S	Other	MSWD	10/3/2022	1393.84	444	949.84	2023
02S04E28A001S	Other	MSWD	11/17/2022	1393.84	445.3	948.54	2023
02S04E28A001S	Other	MSWD	12/21/2022	1393.84	446	947.84	2023
02S04E28A001S	Other	MSWD	1/24/2023	1393.84	447.5	946.34	2023
02S04E28A001S	Other	MSWD	2/14/2023	1393.84	447.7	946.14	2023
02S04E28A001S	Other	MSWD	3/8/2023	1393.84	448.1	945.74	2023
02S04E28A001S	Other	MSWD	4/6/2023	1393.84	449.1	944.74	2023
02S04E28A001S	Other	MSWD	5/10/2023	1393.84	450	943.84	2023
02S04E28A001S	Other	MSWD	6/23/2023	1393.84	451.3	942.54	2023

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Groundwater Elevation Data WY 2021-2022 and WY 2022-2023
 Mission Creek Subbasin Annual Report
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State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
02S04E28A001S	Other	MSWD	7/18/2023	1393.84	451.9	941.94	2023
02S04E28A001S	Other	MSWD	8/1/2023	1393.84	452	941.84	2023
02S04E28A001S	Other	MSWD	9/12/2023	1393.84	446.4	947.44	2023
02S04E28A001S	Other	MSWD	10/2/2023	1393.84	442.8	951.04	2023
02S04E28J001S	Key	MSWD	10/5/2021	1319.59	595.26	724.33	2022
02S04E28J001S	Key	MSWD	11/2/2021	1319.59	595.73	723.86	2022
02S04E28J001S	Key	MSWD	12/1/2021	1319.59	595.73	723.86	2022
02S04E28J001S	Key	MSWD	1/3/2022	1319.59	595.96	723.63	2022
02S04E28J001S	Key	MSWD	2/1/2022	1319.59	595.73	723.86	2022
02S04E28J001S	Key	MSWD	3/16/2022	1319.59	595.61	723.98	2022
02S04E28J001S	Key	MSWD	4/20/2022	1319.59	596.35	723.24	2022
02S04E28J001S	Key	MSWD	5/4/2022	1319.59	600.32	719.27	2022
02S04E28J001S	Key	MSWD	6/8/2022	1319.59	598.91	720.68	2022
02S04E28J001S	Key	MSWD	7/14/2022	1319.59	597.76	721.83	2022
02S04E28J001S	Key	MSWD	8/9/2022	1319.59	598.27	721.32	2022
02S04E28J001S	Key	MSWD	9/15/2022	1319.59	597.34	722.25	2022
02S04E28J001S	Key	MSWD	10/3/2022	1319.59	599.79	719.8	2023
02S04E28J001S	Key	MSWD	11/1/2022	1319.59	597.53	722.06	2023
02S04E28J001S	Key	MSWD	12/21/2022	1319.59	598.04	721.55	2023
02S04E28J001S	Key	MSWD	1/20/2023	1319.59	598.36	721.23	2023
02S04E28J001S	Key	MSWD	2/8/2023	1319.59	598.27	721.32	2023
02S04E28J001S	Key	MSWD	3/7/2023	1319.59	598.41	721.18	2023
02S04E28J001S	Key	MSWD	4/6/2023	1319.59	598.71	720.88	2023
02S04E28J001S	Key	MSWD	5/10/2023	1319.59	598.75	720.84	2023
02S04E28J001S	Key	MSWD	6/23/2023	1319.59	598.96	720.63	2023
02S04E28J001S	Key	MSWD	7/17/2023	1319.59	599.14	720.45	2023
02S04E28J001S	Key	MSWD	8/1/2023	1319.59	599.38	720.21	2023
02S04E28J001S	Key	MSWD	9/11/2023	1319.59	599.51	720.08	2023
02S04E28J001S	Key	MSWD	10/2/2023	1319.59	599.56	720.03	2023
02S04E36D001S	Key	MSWD	10/12/2021	1108.53	390.5	718.02	2022
02S04E36D001S	Key	MSWD	11/3/2021	1108.53	390.6	717.92	2022
02S04E36D001S	Key	MSWD	12/1/2021	1108.53	388.2	720.32	2022
02S04E36D001S	Key	MSWD	1/5/2022	1108.53	390.4	718.12	2022
02S04E36D001S	Key	MSWD	2/1/2022	1108.53	388.5	720.02	2022
02S04E36D001S	Key	MSWD	3/23/2022	1108.53	390.8	717.72	2022
02S04E36D001S	Key	MSWD	4/19/2022	1108.53	390.9	717.62	2022
02S04E36D001S	Key	MSWD	5/4/2022	1108.53	391	717.52	2022
02S04E36D001S	Key	MSWD	6/8/2022	1108.53	391	717.52	2022
02S04E36D001S	Key	MSWD	7/13/2022	1108.53	390	718.52	2022
02S04E36D001S	Key	MSWD	10/19/2022	1108.53	390	718.52	2023
02S04E36D001S	Key	MSWD	11/2/2022	1108.53	390	718.52	2023
02S04E36D001S	Key	MSWD	12/22/2022	1108.53	390.7	717.82	2023
02S04E36D001S	Key	MSWD	1/24/2023	1108.53	390.7	717.82	2023
02S04E36D001S	Key	MSWD	2/16/2023	1108.53	391.7	716.82	2023
02S04E36D001S	Key	MSWD	3/24/2023	1108.53	391.7	716.82	2023
02S04E36D001S	Key	MSWD	4/25/2023	1108.53	391.7	716.82	2023

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02S04E36D001S	Key	MSWD	6/21/2023	1108.53	390.85	717.68	2023
02S04E36D001S	Key	MSWD	7/26/2023	1108.53	392.2	716.32	2023
02S04E36D001S	Key	MSWD	8/29/2023	1108.53	392.2	716.32	2023
02S04E36D001S	Key	MSWD	9/14/2023	1108.53	393.7	714.82	2023
02S04E36D001S	Key	MSWD	10/2/2023	1108.53	392.1	716.42	2023
02S04E36K001S	Key	MSWD	10/6/2021	1016.5	309.54	706.96	2022
02S04E36K001S	Key	MSWD	11/2/2021	1016.5	309.35	707.15	2022
02S04E36K001S	Key	MSWD	12/2/2021	1016.5	309.59	706.91	2022
02S04E36K001S	Key	MSWD	2/2/2022	1016.5	308.96	707.54	2022
02S04E36K001S	Key	MSWD	3/28/2022	1016.5	[286.46] ³	[730.04] ³	2022
02S04E36K001S	Key	MSWD	4/27/2022	1016.5	309.68	706.82	2022
02S04E36K001S	Key	MSWD	5/6/2022	1016.5	309.1	707.4	2022
02S04E36K001S	Key	MSWD	6/17/2022	1016.5	311.18	705.32	2022
02S04E36K001S	Key	MSWD	7/14/2022	1016.5	310.32	706.18	2022
02S04E36K001S	Key	MSWD	8/9/2022	1016.5	312.8	703.7	2022
02S04E36K001S	Key	MSWD	9/20/2022	1016.5	310.76	705.74	2022
02S04E36K001S	Key	MSWD	10/5/2022	1016.5	310.83	705.67	2023
02S04E36K001S	Key	MSWD	11/2/2022	1016.5	311.13	705.37	2023
02S04E36K001S	Key	MSWD	12/20/2022	1016.5	310.51	705.99	2023
02S04E36K001S	Key	MSWD	1/24/2023	1016.5	310.67	705.83	2023
02S04E36K001S	Key	MSWD	2/16/2023	1016.5	310.46	706.04	2023
02S04E36K001S	Key	MSWD	3/24/2023	1016.5	310.56	705.94	2023
02S04E36K001S	Key	MSWD	4/25/2023	1016.5	310.74	705.76	2023
02S04E36K001S	Key	MSWD	5/3/2023	1016.5	310.83	705.67	2023
02S04E36K001S	Key	MSWD	6/26/2023	1016.5	311.46	705.04	2023
02S04E36K001S	Key	MSWD	7/17/2023	1016.5	311.64	704.86	2023
02S04E36K001S	Key	MSWD	8/1/2023	1016.5	312.56	703.94	2023
02S04E36K001S	Key	MSWD	9/11/2023	1016.5	312.26	704.24	2023
02S04E36K001S	Key	MSWD	10/6/2023	1016.5	312.36	704.14	2023
02S04E36P001S	Other	MSWD	10/6/2021	1012	304.01	707.99	2022
02S04E36P001S	Other	MSWD	11/9/2021	1012	303.96	708.04	2022
02S04E36P001S	Other	MSWD	12/1/2021	1012	304.08	707.92	2022
02S04E36P001S	Other	MSWD	1/12/2022	1012	303.69	708.31	2022
02S04E36P001S	Other	MSWD	2/2/2022	1012	303.62	708.38	2022
02S04E36P001S	Other	MSWD	3/28/2022	1012	303.85	708.15	2022
02S04E36P001S	Other	MSWD	4/19/2022	1012	303.99	708.01	2022
02S04E36P001S	Other	MSWD	5/11/2022	1012	304.66	707.34	2022
02S04E36P001S	Other	MSWD	6/17/2022	1012	305.49	706.51	2022
02S04E36P001S	Other	MSWD	7/14/2022	1012	304.98	707.02	2022
02S04E36P001S	Other	MSWD	8/16/2022	1012	305	707	2022
02S04E36P001S	Other	MSWD	9/20/2022	1012	305.12	706.88	2022
02S04E36P001S	Other	MSWD	10/6/2022	1012	303.09	708.91	2023
02S04E36P001S	Other	MSWD	11/4/2022	1012	305.7	706.3	2023
02S04E36P001S	Other	MSWD	12/20/2022	1012	305.21	706.79	2023
02S04E36P001S	Other	MSWD	1/12/2023	1012	305.26	706.74	2023
02S04E36P001S	Other	MSWD	2/16/2023	1012	305.03	706.97	2023

Table A-1

Groundwater Elevation Data WY 2021-2022 and WY 2022-2023
 Mission Creek Subbasin Annual Report
 Water Year 2022-2023
 Coachella Valley, California

State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
02S04E36P001S	Other	MSWD	3/24/2023	1012	304.75	707.25	2023
02S04E36P001S	Other	MSWD	4/25/2023	1012	304.89	707.11	2023
02S04E36P001S	Other	MSWD	5/4/2023	1012	305.44	706.56	2023
02S04E36P001S	Other	MSWD	6/26/2023	1012	306.02	705.98	2023
02S04E36P001S	Other	MSWD	7/17/2023	1012	306.14	705.86	2023
02S04E36P001S	Other	MSWD	8/1/2023	1012	306.39	705.61	2023
02S04E36P001S	Other	MSWD	9/11/2023	1012	306.57	705.43	2023
02S04E36P001S	Other	MSWD	10/6/2023	1012	306.5	705.5	2023
03S04E04P001S	Key	DWA	11/3/2021	1075	348.34	726.66	2022
03S04E04P001S	Key	DWA	12/6/2021	1075	348.42	726.58	2022
03S04E04P001S	Key	DWA	1/11/2022	1075	348.59	726.41	2022
03S04E04P001S	Key	DWA	2/10/2022	1075	348.25	726.75	2022
03S04E04P001S	Key	DWA	3/15/2022	1075	349.84	725.16	2022
03S04E04P001S	Key	DWA	4/26/2022	1075	349.5	725.5	2022
03S04E04P001S	Key	DWA	5/20/2022	1075	349.09	725.91	2022
03S04E04P001S	Key	DWA	6/15/2022	1075	349.25	725.75	2022
03S04E04P001S	Key	DWA	7/13/2022	1075	349.5	725.5	2022
03S04E04P001S	Key	DWA	8/23/2022	1075	349.59	725.41	2022
03S04E04P001S	Key	DWA	9/15/2022	1075	350.16	724.84	2022
03S04E04P001S	Key	DWA	10/10/2022	1075	350.58	724.42	2023
03S04E04P001S	Key	DWA	11/21/2022	1075	351.33	723.67	2023
03S04E04P001S	Key	DWA	12/21/2022	1075	351.25	723.75	2023
03S04E04P001S	Key	DWA	2/23/2023	1075	351	724	2023
03S04E04P001S	Key	DWA	4/3/2023	1075	350.75	724.25	2023
03S04E04P001S	Key	DWA	5/25/2023	1075	351.66	723.34	2023
03S04E04P001S	Key	DWA	6/14/2023	1075	351	724	2023
03S04E04P001S	Key	DWA	7/17/2023	1075	352.08	722.92	2023
03S04E04P001S	Key	DWA	8/23/2023	1075	352.66	722.34	2023
03S04E04P001S	Key	DWA	9/15/2023	1075	353	722	2023
03S04E11A002S	Other	MSWD	10/19/2021	905	193.35	711.65	2022
03S04E11A002S	Other	MSWD	11/10/2021	905	193.26	711.74	2022
03S04E11A002S	Other	MSWD	12/1/2021	905	193.42	711.58	2022
03S04E11A002S	Other	MSWD	1/31/2022	905	192.57	712.43	2022
03S04E11A002S	Other	MSWD	2/8/2022	905	192.54	712.46	2022
03S04E11A002S	Other	MSWD	3/29/2022	905	192.82	712.18	2022
03S04E11A002S	Other	MSWD	4/27/2022	905	192.91	712.09	2022
03S04E11A002S	Other	MSWD	5/10/2022	905	193.17	711.83	2022
03S04E11A002S	Other	MSWD	6/17/2022	905	193.49	711.51	2022
03S04E11A002S	Other	MSWD	7/12/2022	905	194.07	710.93	2022
03S04E11A002S	Other	MSWD	8/25/2022	905	194.44	710.56	2022
03S04E11A002S	Other	MSWD	9/22/2022	905	194.99	710.01	2022
03S04E11A002S	Other	MSWD	10/18/2022	905	195.41	709.59	2023
03S04E11A002S	Other	MSWD	11/15/2022	905	195.38	709.62	2023
03S04E11A002S	Other	MSWD	12/20/2022	905	195.13	709.87	2023
03S04E11A002S	Other	MSWD	1/12/2023	905	195.06	709.94	2023
03S04E11A002S	Other	MSWD	2/16/2023	905	194.78	710.22	2023

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Mission Creek Subbasin Annual Report

Water Year 2022-2023

Coachella Valley, California

State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
03S04E11A002S	Other	MSWD	3/24/2023	905	194.53	710.47	2023
03S04E11A002S	Other	MSWD	4/25/2023	905	194.58	710.42	2023
03S04E11A002S	Other	MSWD	5/3/2023	905	194.95	710.05	2023
03S04E11A002S	Other	MSWD	6/26/2023	905	195.62	709.38	2023
03S04E11A002S	Other	MSWD	7/26/2023	905	195.75	709.25	2023
03S04E11A002S	Other	MSWD	8/28/2023	905	195.85	709.15	2023
03S04E11A002S	Other	MSWD	9/12/2023	905	196.49	708.51	2023
03S04E11A002S	Other	MSWD	10/10/2023	905	196.05	708.95	2023
03S04E11L004S	Key	MSWD	10/6/2021	879.48	161.38	718.1	2022
03S04E11L004S	Key	MSWD	11/9/2021	879.48	161.1	718.38	2022
03S04E11L004S	Key	MSWD	12/1/2021	879.48	160.64	718.84	2022
03S04E11L004S	Key	MSWD	1/12/2022	879.48	160.62	718.86	2022
03S04E11L004S	Key	MSWD	2/8/2022	879.48	161.4	718.08	2022
03S04E11L004S	Key	MSWD	3/28/2022	879.48	160.41	719.07	2022
03S04E11L004S	Key	MSWD	4/14/2022	879.48	161.33	718.15	2022
03S04E11L004S	Key	MSWD	5/17/2022	879.48	161.15	718.33	2022
03S04E11L004S	Key	MSWD	6/17/2022	879.48	162.51	716.97	2022
03S04E11L004S	Key	MSWD	7/13/2022	879.48	162.35	717.13	2022
03S04E11L004S	Key	MSWD	8/22/2022	879.48	162.67	716.81	2022
03S04E11L004S	Key	MSWD	9/22/2022	879.48	163.83	715.65	2022
03S04E11L004S	Key	MSWD	10/18/2022	879.48	163.99	715.49	2023
03S04E11L004S	Key	MSWD	11/15/2022	879.48	164.1	715.38	2023
03S04E11L004S	Key	MSWD	12/21/2022	879.48	163.39	716.09	2023
03S04E11L004S	Key	MSWD	1/23/2023	879.48	163.69	715.79	2023
03S04E11L004S	Key	MSWD	2/16/2023	879.48	163.41	716.07	2023
03S04E11L004S	Key	MSWD	3/24/2023	879.48	162.76	716.72	2023
03S04E11L004S	Key	MSWD	4/25/2023	879.48	162.76	716.72	2023
03S04E11L004S	Key	MSWD	5/3/2023	879.48	163.66	715.82	2023
03S04E11L004S	Key	MSWD	6/26/2023	879.48	164.03	715.45	2023
03S04E11L004S	Key	MSWD	7/26/2023	879.48	164.5	714.98	2023
03S04E11L004S	Key	MSWD	8/29/2023	879.48	164.29	715.19	2023
03S04E11L004S	Key	MSWD	9/13/2023	879.48	164.43	715.05	2023
03S04E11L004S	Key	MSWD	10/10/2023	879.48	164.73	714.75	2023
03S04E12B002S	Other	CVWD	10/1/2021	884.57	179.2	705.37	2022
03S04E12B002S	Other	CVWD	2/1/2022	884.57	178.6	705.97	2022
03S04E12B002S	Other	CVWD	6/2/2022	884.57	179.2	705.37	2022
03S04E12B002S	Other	CVWD	10/5/2022	884.57	179.9	704.67	2022
03S04E12B002S	Other	CVWD	2/1/2023	884.57	180.3	704.27	2023
03S04E12B002S	Other	CVWD	6/8/2023	884.57	178.4	706.17	2023
03S04E12C001S	Key	CVWD	10/1/2021	890.27	184.6	705.67	2022
03S04E12C001S	Key	CVWD	3/2/2022	890.27	184	706.27	2022
03S04E12C001S	Key	CVWD	7/15/2022	890.27	185.6	704.67	2022
03S04E12C001S	Key	CVWD	11/10/2022	890.27	186	704.27	2023
03S04E12C001S	Key	CVWD	3/8/2023	890.27	185.6	704.67	2023
03S04E12F001S	Other	CVWD	10/1/2021	859.67	154.3	705.37	2022
03S04E12F001S	Other	CVWD	2/1/2022	859.67	150.8	708.87	2022

Table A-1

Groundwater Elevation Data WY 2021-2022 and WY 2022-2023

Mission Creek Subbasin Annual Report

Water Year 2022-2023

Coachella Valley, California

State Well Number	Monitoring Well Type	Monitoring Agency	Groundwater Level Measurement Date	Measuring Point Elevation (feet NAVD88) ¹	Depth to Groundwater (feet bmp)	Groundwater Elevation (feet NAVD88)	Water Year ²
03S04E12F001S	Other	CVWD	6/2/2022	859.67	154.3	705.37	2022
03S04E12F001S	Other	CVWD	10/5/2022	859.67	155.7	703.97	2022
03S04E12F001S	Other	CVWD	2/1/2023	859.67	155.9	703.77	2023
03S04E12F001S	Other	CVWD	6/8/2023	859.67	153.5	706.17	2023
03S04E12H003S	Other	CVWD	10/1/2021	847.66	144	703.66	2022
03S04E12H003S	Other	CVWD	2/1/2022	847.66	142.9	704.76	2022
03S04E12H003S	Other	CVWD	6/1/2022	847.66	145.3	702.36	2022
03S04E12H003S	Other	CVWD	10/5/2022	847.66	145	702.66	2022
03S04E12H003S	Other	CVWD	2/1/2023	847.66	145.1	702.56	2023
03S04E12H003S	Other	CVWD	6/8/2023	847.66	145	702.66	2023
03S05E15R001S	Key	CVWD	1/19/2022	927.46	219.9	707.56	2022
03S05E15R001S	Key	CVWD	5/3/2022	927.46	219.6	707.86	2022
03S05E15R001S	Key	CVWD	9/8/2022	927.46	220.4	707.06	2022
03S05E15R001S	Key	CVWD	11/30/2022	927.46	220.6	706.86	2023
03S05E15R001S	Key	CVWD	3/8/2023	927.46	220.5	706.96	2023
03S05E15R001S	Key	CVWD	7/20/2023	927.46	220.7	706.76	2023
03S05E17J001S	Key	CVWD	10/5/2021	790.23	87.5	702.73	2022
03S05E17J001S	Key	CVWD	3/2/2022	790.23	85.7	704.53	2022
03S05E17J001S	Key	CVWD	7/15/2022	790.23	86.9	703.33	2022
03S05E17J001S	Key	CVWD	11/10/2022	790.23	87.3	702.93	2023
03S05E17J001S	Key	CVWD	3/8/2023	790.23	87	703.23	2023
03S05E17J001S	Key	CVWD	7/13/2023	790.23	88.9	701.33	2023
03S05E19B001S	Other	CVWD	10/5/2021	709.02	4.9	704.12	2022
03S05E19B001S	Other	CVWD	2/2/2022	709.02	4.2	704.82	2022
03S05E19B001S	Other	CVWD	6/3/2022	709.02	4.8	704.22	2022
03S05E19B001S	Other	CVWD	10/5/2022	709.02	5.3	703.72	2022
03S05E19B001S	Other	CVWD	2/1/2023	709.02	4.5	704.52	2023
03S05E19B001S	Other	CVWD	6/8/2023	709.02	4.9	704.12	2023

Notes

1. Measuring point for CVWD wells converted to ground surface by CVWD.
2. Water Year from October 1 through September 30, identified by the ending year of the period.
3. Water level measurement for Well 02S04E36K001S on March 28, 2022 is considered erroneous based on the historical record, previous and subsequent water levels, and the pumping water level prior to measuring the static water level. This data point was not included in the analyses presented in this annual report (water level averages, graphics, etc.).

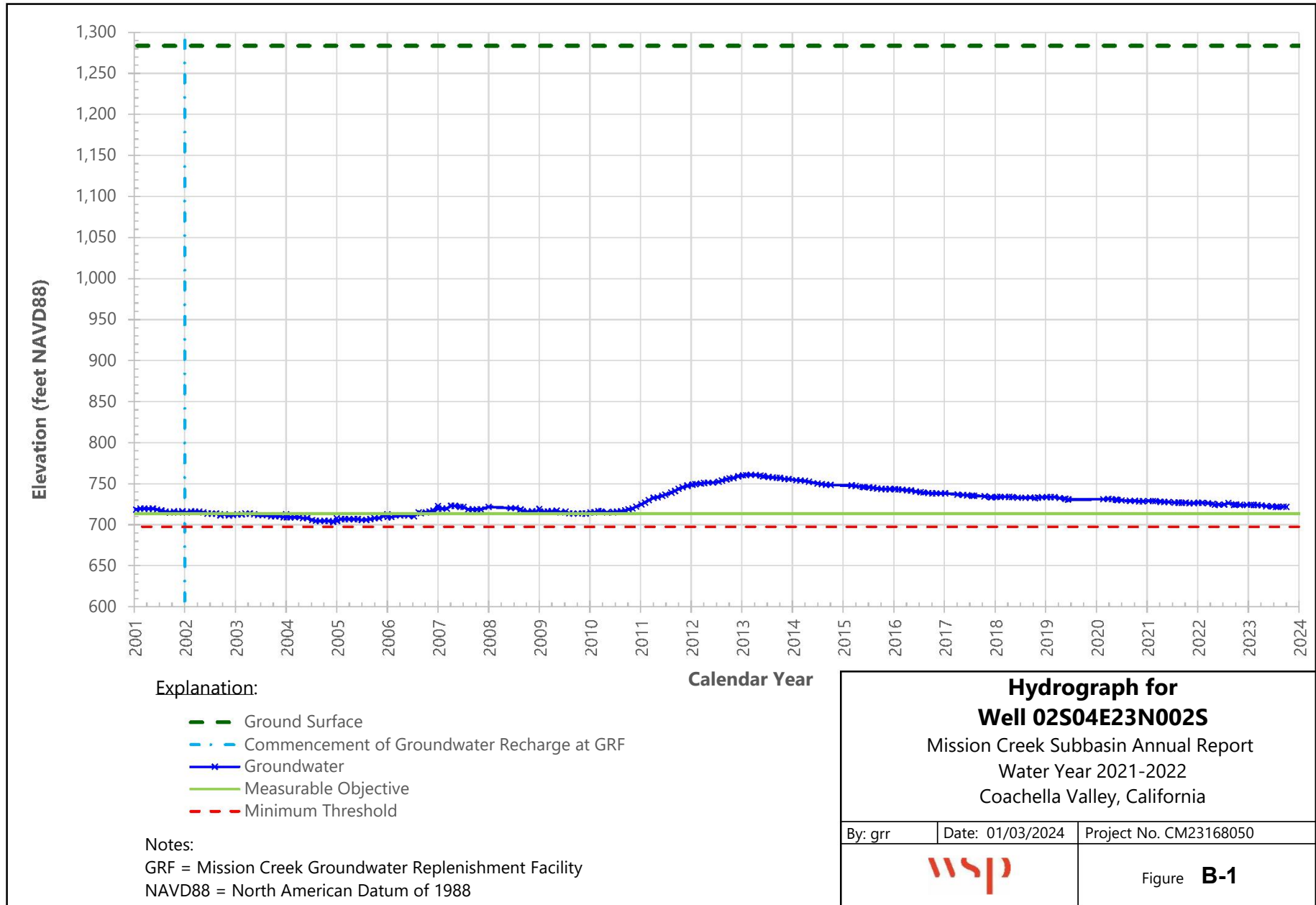
Abbreviations

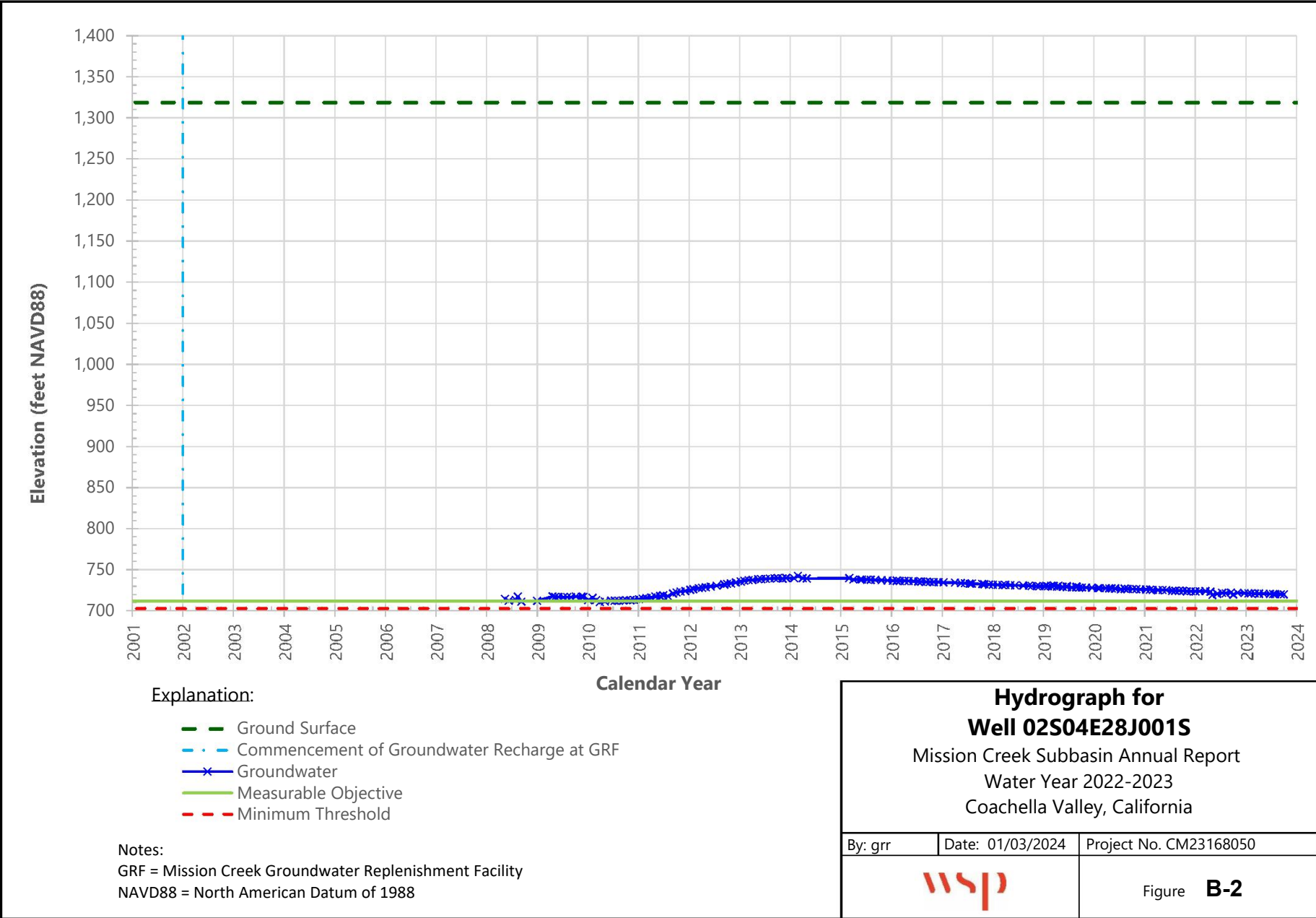
bmp = feet below measuring point
CVWD = Coachella Valley Water District
DWA = Desert Water Agency
MSWD = Mission Springs Water District
NAVD88 = North American Vertical Datum of 1988

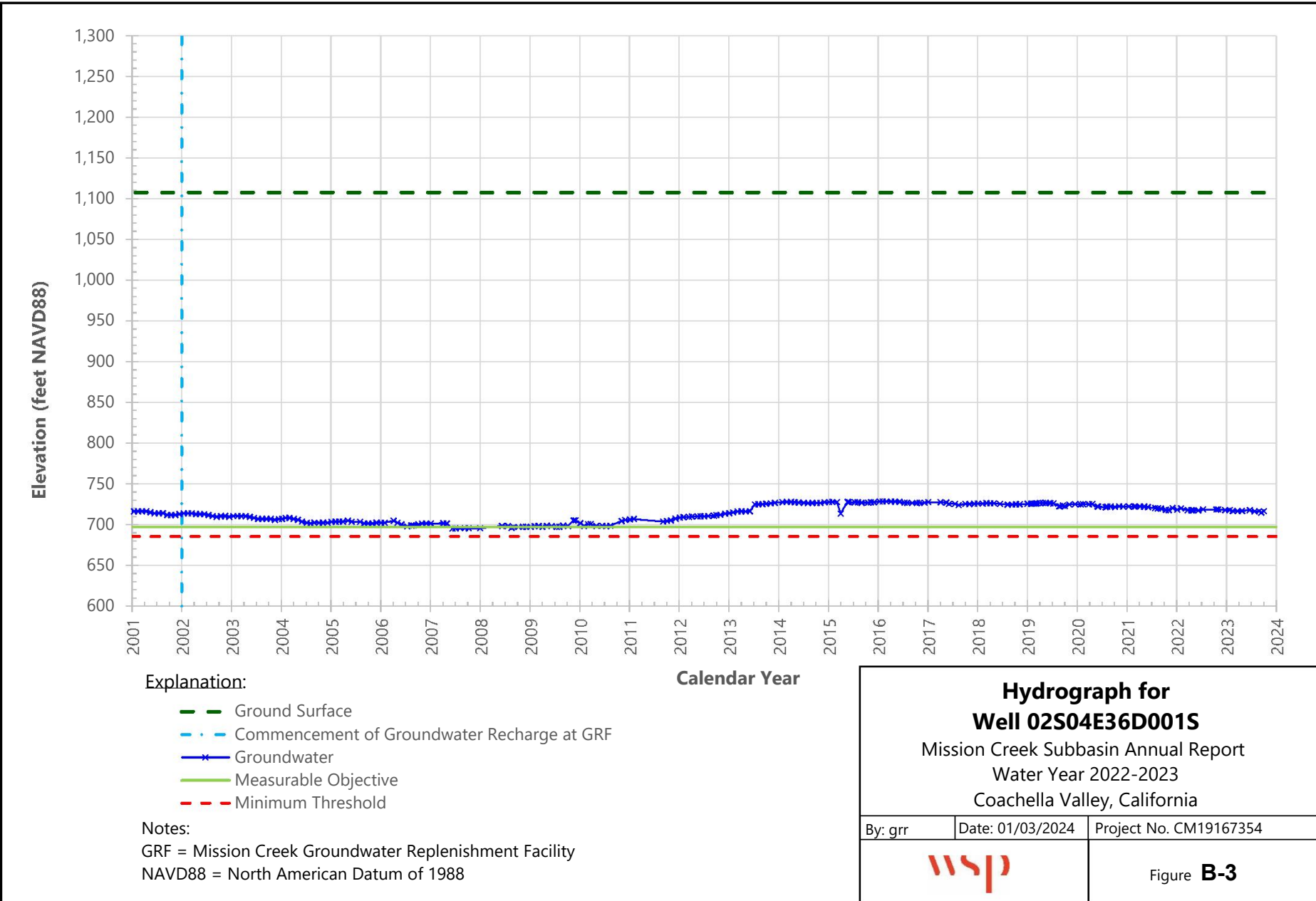
APPENDIX

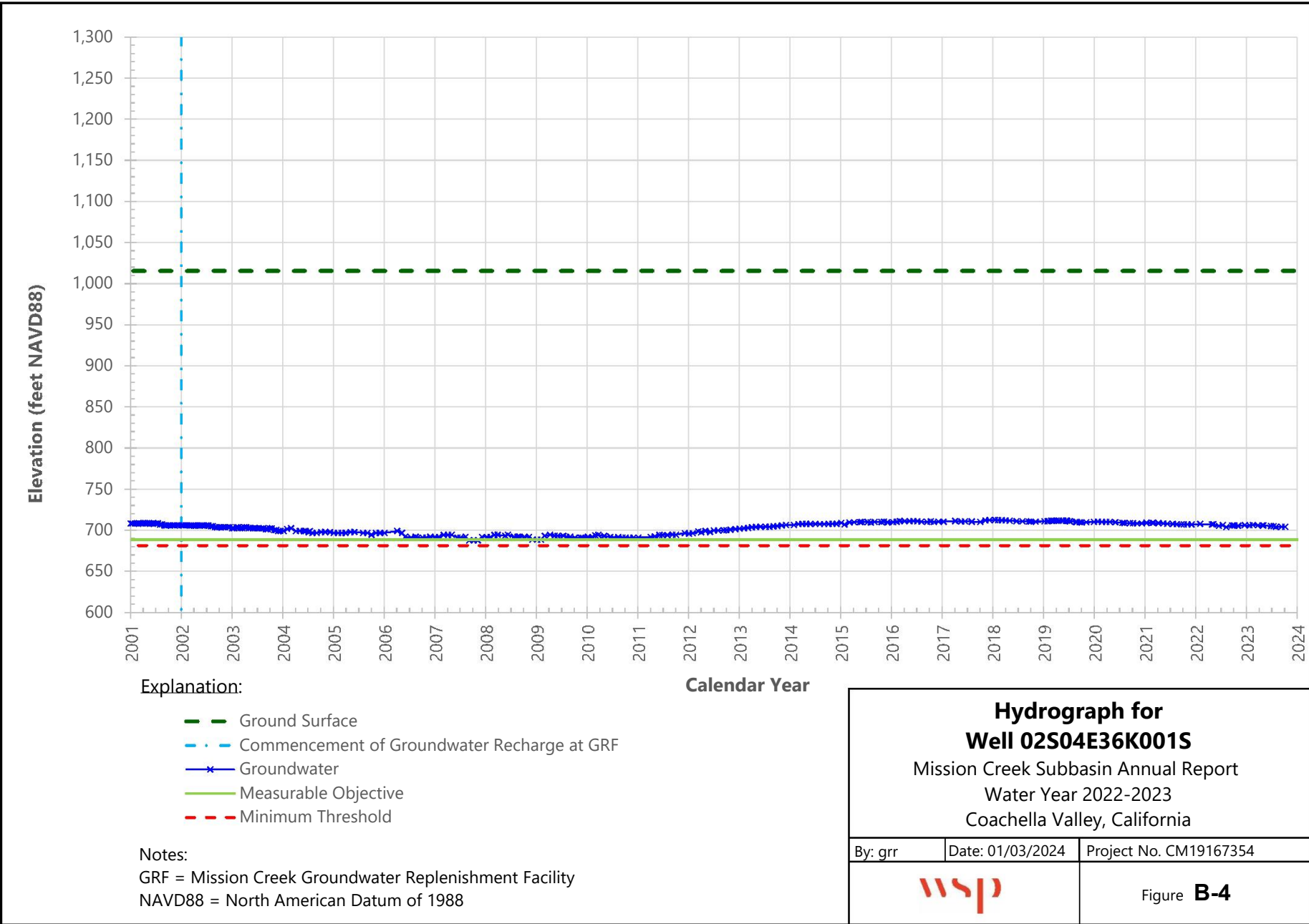
B

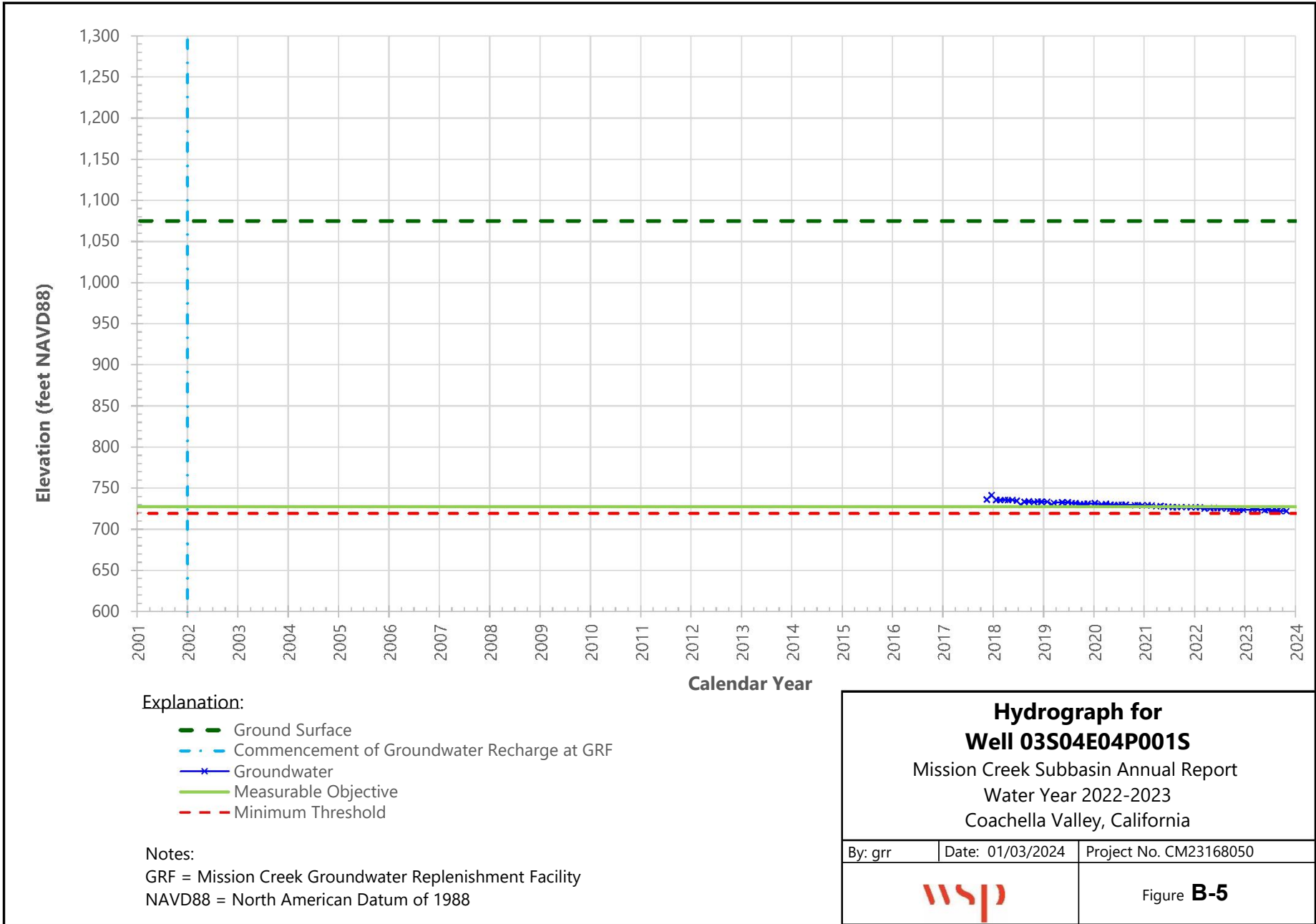
REPRESENTATIVE GROUNDWATER ELEVATION HYDROGRAPHS

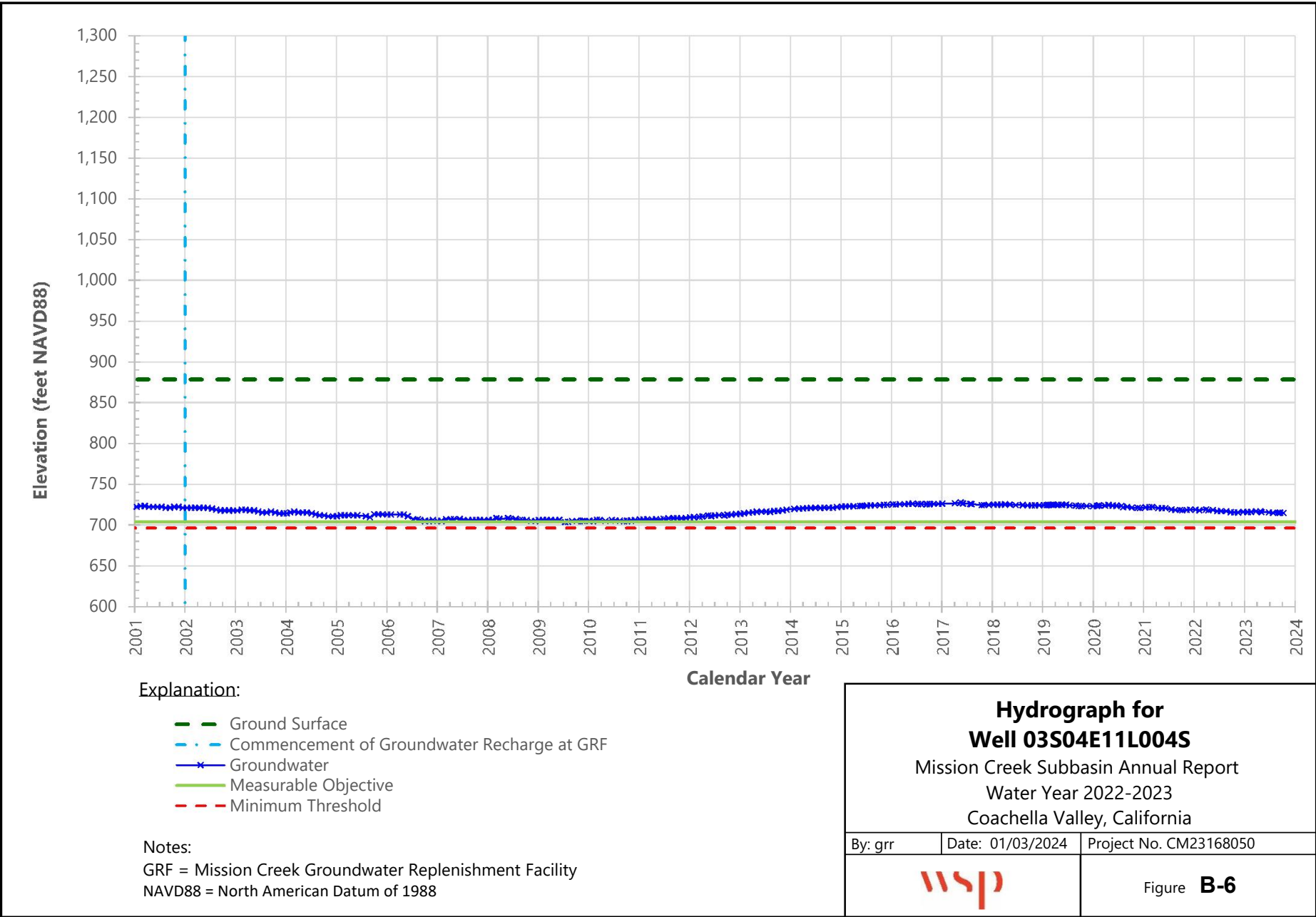


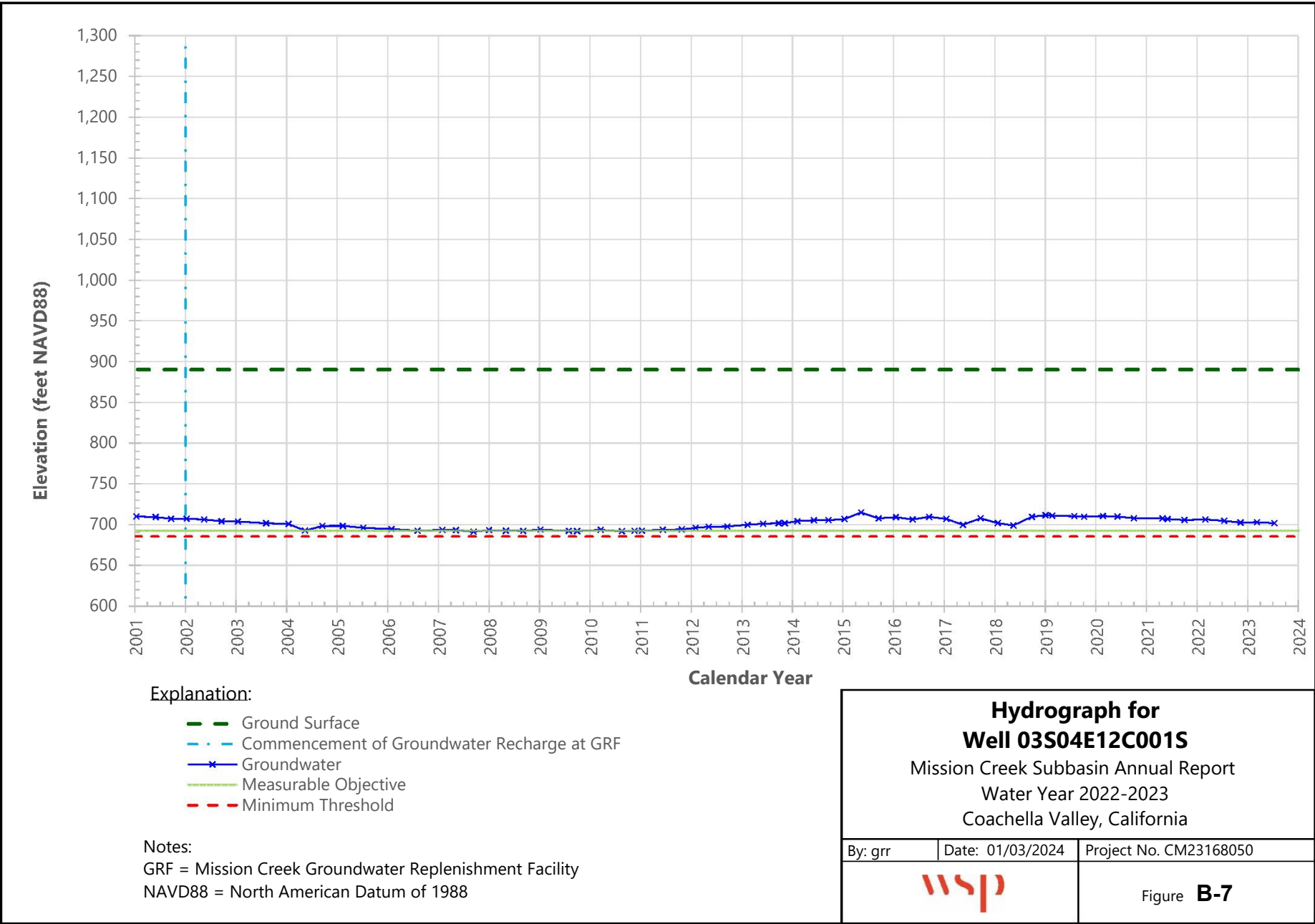


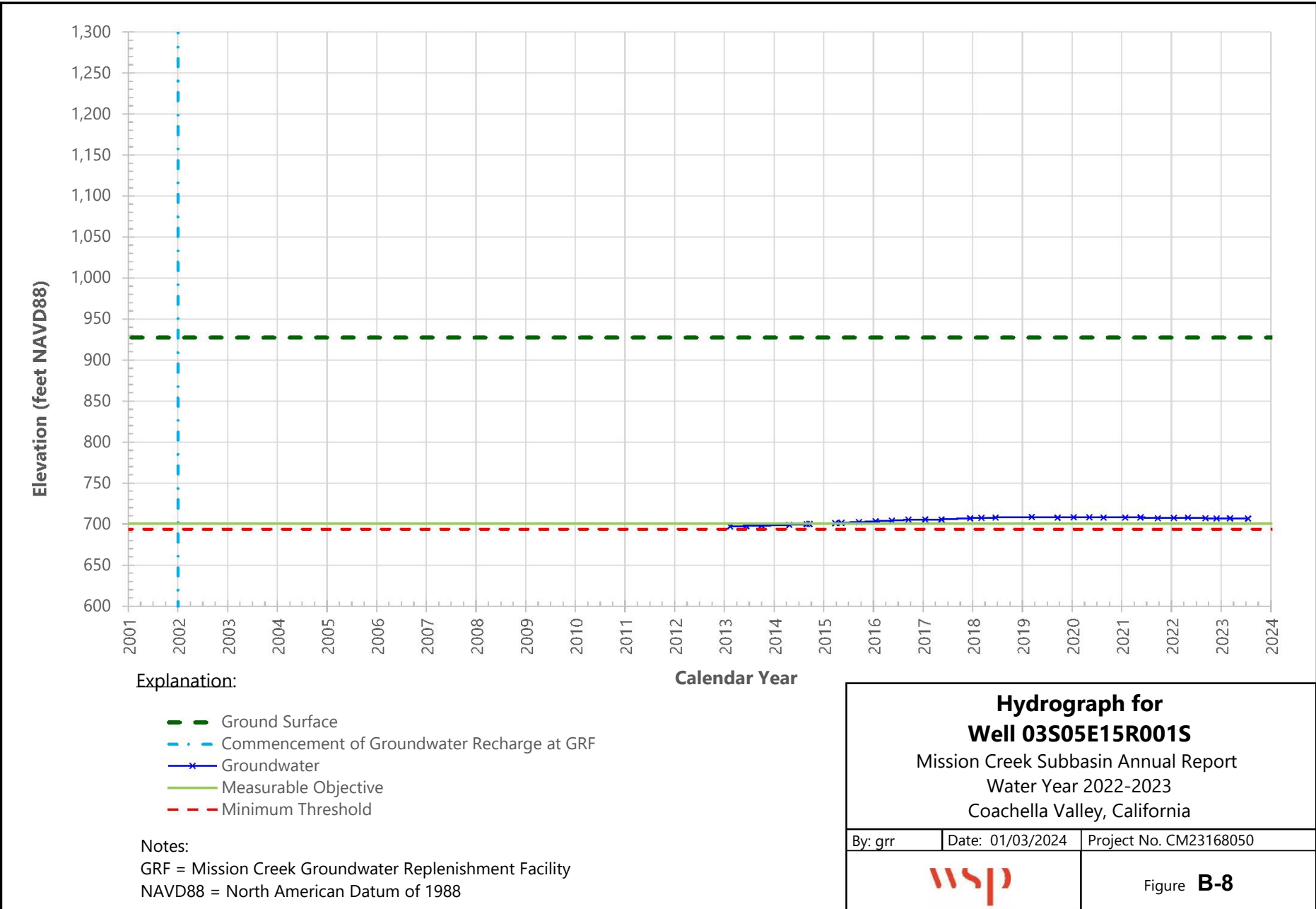


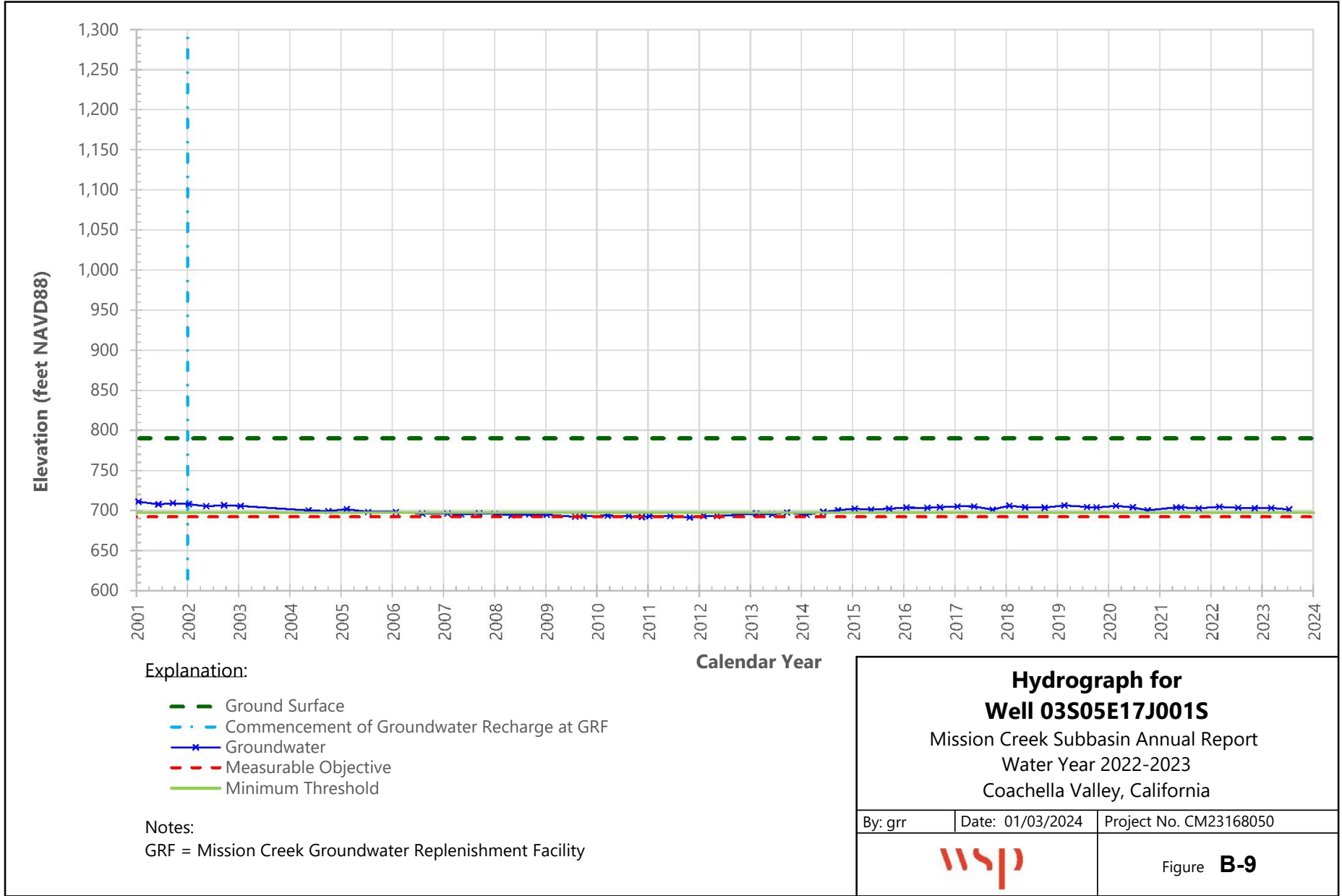


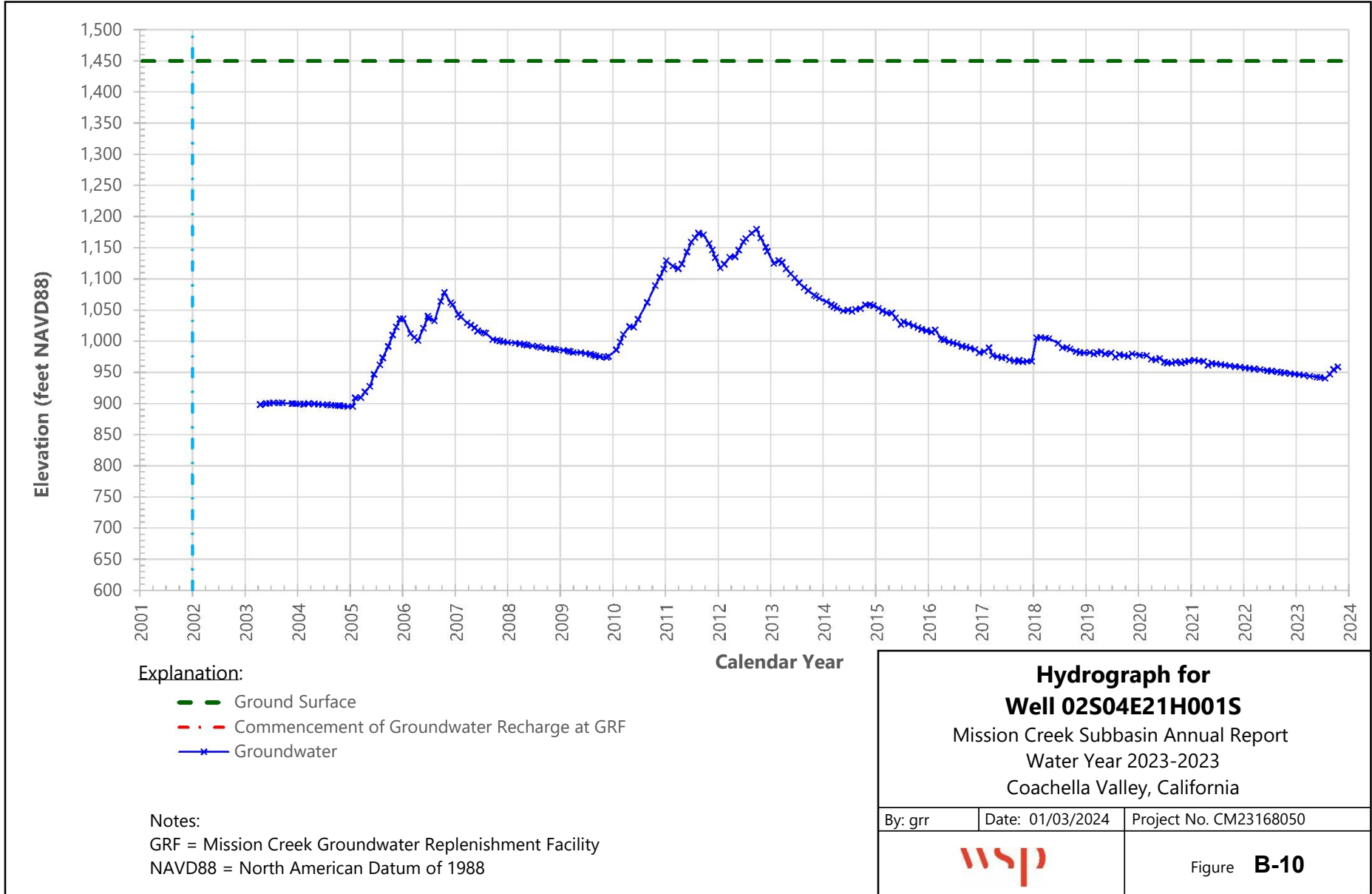














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AGENDA STAFF REPORT



MEETING NAME: REGULAR BOARD MEETING(S)
MEETING DATE(S): APRIL 11 & APRIL 15, 2024
FROM: DANNY FRIEND, DIRECTOR OF OPERATIONS
FOR: ACTION X DIRECTION _____ INFORMATION _____

AUTHORIZATION FOR PURCHASE OF EQUIPMENT FOR THE NANCY WRIGHT REGIONAL WATER RECLAMATION FACILITY AND AUGMENTATION OF THE CAPITAL BUDGET

STAFF RECOMMENDATION

Authorize the General Manager to approve the purchase of equipment for the Nancy Wright Regional Water Reclamation Facility, for a not to exceed amount of \$331,966.22, and augment the capital budget to accommodate this expenditure.

SUMMARY

With the construction of the Nancy Wright Regional Water Reclamation Facility (NWRWRF) nearing completion, it is necessary to equip our facility with the tools to facilitate operations effectively and enhance operational efficiency. Staff have identified the need for additional heavy equipment for the NWRWRF. Specifically, the following equipment is requested; One Case Skip Loader: Essential for material handling and pond maintenance, One John Deere Telehandler: Vital for lifting and transporting heavy loads, and Two John Deere Gators: Necessary for the transportation of personnel, tools, and equipment within the plant site for utility and maintenance work.

ANALYSIS

The new equipment will streamline operational efficiency, reduce manual labor, and improve productivity. The equipment ensures a safer work environment for our staff. The funds allocated for this purpose will ensure timely procurement of the equipment, enabling staff to commence operations at the NWRWRF without delay.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

The total cost for the purchase of the Case skip loader (\$123,903.46), John Deere Telehandler (\$177,317.22), and two John Deere Gators (\$30,745.54) is \$331,966.22. To accommodate this expenditure, augmenting the capital budget is required. Funding will be transferred from the existing capital budget (# 11424) for the NWRWRF. This action is consistent with Strategic Plan Smart Goal 2.1- Ensure excellence in regulatory compliance.

ATTACHMENTS

Equipment Price Quotes

FINANCIAL DATA		
Cost Associated with this action:	\$331,966.22	
Current FY cost:	\$331,966.22	
Future FY cost:	-0-	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
If yes, year needed:	FY23/24	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	301 - Sewer	
BID/Job#	11424	
Current BID/Job balance	\$2,691,663.29	
Balance remaining if approved:	\$2,359,697.07	

CASE SKIP LOADER QUOTE



10062 Live Oak Ave. • Fontana • CA • 92335 TEL: (909) 355-1075
www.SonsrayMachinery.com

Ship To: Mission Springs Water District
66575 Second St
DESERT HOT SPRINGS CA 92240
Invoice To: Mission Springs Water District
66575 Second St
DESERT HOT SPRINGS CA 92240

Fontana
March 3, 2024
BP0017182

anavarro-0075
7604047804
Purchase Order:

Sales Person: Albert Navarro

Attention: Jeff Nutter

EQUIPMENT QUOTE/SALES ORDER

CASE 570N EP Serial #: Factory Order Stock #: N.I.S. \$103,244.31

SOURCEWELL Contract Number: 011723 Member #155101 Mission Springs Water District - LIST PRICE \$130,689.00 LESS
SOURCEWELL DISCOUNT (\$27,444.69) = \$103,244.31 NET 30 TERMS APPROVED** CNH Contract Period: 04/04/2023 thru 04/14/2027
Pricing Revised: 12/15/2023 discount is 21% off base list price Specified discount off List Price/MSRP plus freight and setup and local delivery. Also surcharge but this must be placed on a separate line item.

***New 2024 - CASE Skip Loader - 570N EP 4x4 Final Tier 4 / DIESEL-3.4 LTR - 4 CYL/74 HP-TURBO CHARGED / Cab 2 Door with Heat and AC / Three Point Hitch / Front Wheels: 12x16.5 Lug Tread Tires / Rear Wheels 19.5LX24 STD /Ride Control & Comfort Steer / Drive Shaft Guard / Mechanical Suspension Cloth Seat w/ Armrests / 82" GP HD Long Lip Front Loader Bucket w/ Cutting Edge / Gannon Box Scraper / Cold Start Dual Battery / LED Light Package / Dual Tilt w/ Holding Valve / Rear Counterweight / 5 Year Customer Telematics Service.

**** ONE YEAR FULL MACHINE WARRANTY-UNLIMITED HOURS / 2 YRS/2000 HRS EXTENDED WARRANTY FOR POWER TRAIN COMPONENTS INCLUDED AT NO COST*** SONSRAY SIGNATURE SERVICE *** Additional Purchase Protection Plan Included for 60/3500hrs*** Machine Quoted is Subject To Availability *** Quote Expires 03/31/2024 ***Financing Available on Approved Credit (OAC) ***Unit Based on Availability from Sonsray Machinery. **** INTEREST RATE QUOTED IS BASED ON CURRENT RATES. INTEREST RATE IS SUBJECT TO CHANGE, BASED ON THE FINANCIAL INSTITUTION ***** QUOTED PRICE IS NOT GUARANTEED, AND SUBJECT TO MANUFACTURER'S PRICE INCREASES, INCLUDING ANY ADDITIONAL SURCHARGES *** SONSRAY SIGNATURE SERVICE – A commitment to providing excellent service and care when you purchase a new piece of equipment from Sonsray Machinery.

FACTORY FREIGHT	\$4,800.00
PPP-Premier 60/3500 EW240301-00079	\$4,000.00
Final Customer PDI FOR DELIVERY WITH FUEL	\$2,310.00
Delivery Freight TO CUSTOMER	\$ 600.00

NOTICE TO PURCHASER

Caution. Do not sign this contract before you thoroughly read both pages 1 and 2 of it or if it contains blank spaces, even if otherwise advised.

You are entitled to an exact and completely filled in copy of this Sales Order when you sign it. Keep it to protect your legal rights.

Store Manager signature required for final acceptance of Sales Order.

THIS AGREEMENT IS SUBJECT TO THE ADDITIONAL TERMS AND CONDITIONS ON THE REVERSE SIDE. CUSTOMER HAS HAD THE OPPORTUNITY TO READ THE TERMS OF THIS AGREEMENT PRIOR TO SIGNING.

Purchaser's Signature _____ Sales Consultant _____ Date _____

Print Name _____ Date _____ Accepted By _____ Date _____

LOAD FEE	\$ 325.00
Quoted Price	\$115,279.31
Sales Tax 7.75%	\$8,624.15
Cash Due or Finance Amount	\$123,903.46

1. This is a cash transaction. If the Purchaser so requests prior to acceptance, the Cash Due on Delivery may be financed as a time sale transaction, subject to credit approval. If this transaction becomes a time sale, Purchaser agrees (1) to make payments pursuant to the Sonsray Machinery Accounts Receivable System Agreement, which is incorporated into this Purchase Order by reference, and (2) that Seller retains a security interest in the goods described herein until all obligations of Purchaser are paid in full and discharged.
2. When trade-in equipment is not to be delivered to the Seller until delivery of the equipment purchased by this order, the trade-in equipment may be reappraised at that time and such reappraisal value shall determine the allowance made for such trade-in equipment. When the reappraised value is less than the original trade-in allowance shown on this form, the purchaser may terminate this order; however, this right of termination must be exercised prior to delivery of the equipment by Seller and surrender of the trade-in equipment to Seller.
3. The prices which Purchaser will pay for the new equipment set forth on the reverse side hereof shall be based upon the Case dealer price in effect on date of delivery of the new equipment. In the event Case dealer's price is changed prior to delivery, the purchase price shall be adjusted accordingly. If such price change results in an increase, purchaser has the option of canceling the order in writing immediately on being notified thereof.
4. The Seller shall be excused if delivery is delayed or rendered impossible by differences with workmen, strikes, work stoppages, car shortages, delays in transportation, inability to obtain labor or materials and also by any cause beyond the reasonable control of Seller, including but not restricted to acts of God, floods, fire, storms, acts of civil and military authorities, war and insurrections.
5. Purchaser shall keep the property free of all liens, taxes, encumbrances and seizure or levy, shall not use same illegally, shall not damage, abuse, misuse, abandon or lose said property, shall not part with possession thereof, whether voluntarily or involuntarily or transfer any interest therein or remove same out of the county or filing district in which Purchaser resides as indicated herein without the prior written consent of Seller, shall keep said property insured in such amounts and with such insurer as may be acceptable to Seller with any loss payable to Seller as his interest in the property may appear.
6. Time is of the essence of this contract and if purchaser fails to comply with any of the terms and conditions hereof or defaults in the payment of any installment hereunder or under any renewal or renewals hereof, or in the payment of interest or defaults in the payment of any installment due under any other indebtedness of contract held by the Seller or Assignee, or if proceedings are instituted against Purchaser under any bankruptcy or insolvency law or Purchaser makes an assignment for the benefit of creditors or if for any reason the Seller deems himself insecure and so declares all payments heretofore made by Purchaser shall be retained by the seller and all indebtedness hereunder shall become immediately due and payable, with or without notice, together with all expenses of collection by suit or otherwise, including reasonable attorney fees and Seller may, without notice or demand, take possession of the equipment set forth on the reverse hereof, or any additions to, replacements of, or any proceeds from said equipment or may render the property unusable or Seller may require Purchaser to assemble the property and make it available at a place designated by Seller. Seller may resell the retaken property at public or private Sale in accordance with the Uniform Commercial Code or applicable state or provincial law. After deducting reasonable expenses for retaking, repairing, holding, preparing for sale, other selling expenses including attorney fees and legal expenses, the remaining proceeds of Sale shall be credited upon the amount of indebtedness remaining unpaid hereunder, and Purchaser agrees to pay any deficiency upon demand by Seller, any surplus, however, shall be paid to Purchaser. Said retaking or repossession shall not be deemed rescission of the contract. Seller may exercise any other rights and remedies provided by applicable law.
7. No waivers or modifications hereof shall be valid unless written upon or attached to this contract. Waiver or conditions of any breach or default hereunder shall not constitute a waiver of any other or subsequent breach or default. Payments received by Seller are to be applied first to delinquent interest and then to principal.
8. The remedies provided for herein are not exclusive and any action to enforce payment shall not waive or affect any of the holder's rights to have recourse to the property. The transfer of this contract shall operate to pass a security interest in the property as security for the payment hereof.
9. Any provision of this contract prohibited by the laws of any state, the United States, any province of Canada, shall be ineffective to the extent of such prohibition without invalidating the remaining portions of the contract.
10. Each maker, endorser, guarantor and surety hereon severally waives presentment, demand protest, and notice of non-payment and all defenses of want of diligence in collection and bringing suit. This contract shall be binding upon and shall insure to the benefit of the parties hereto and their respective heirs, personal representative, successors, and signs.
11. Buyer authorizes Seller to insert the Serial and/or model numbers of the goods set forth on the reverse side hereof for the purposes of identifying said goods. The seller may correct patent errors herein.

JOHN DEERE TELEHANDLER QUOTE



Retail Purchase Order

RDO Equipment Co.
 83-300 Avenue 45
 Indio CA, 92201
 Phone: (760) 342-8900 - Fax: (760) 342-8909

	WARNIN	Item 12.
	Warning: Cancer and Reproductive Harm. <small>For more information go to: www.P65Warnings.ca.gov</small>	

Bill To:
 MISSION SPRINGS WATER DISTRICT
 66575 2ND ST
 DESERT HOT SPRINGS, CA, 922403715
 RIVERSIDE ()
 (760) 329-6448

Purchase Order Date: 2/26/2024
Purchase Order #: 1748045
Purchaser Account #: 6448003

Ship To:
 MISSION SPRINGS WATER DISTRICT
 14501 PARK LN
 DESERT HOT SPRINGS, , 92240
 (760) 329-6448

Customer Purchaser Type: Governmental - State/Province
Customer Market Use: Underground - Gas/Water/Electric
Location of First Working Use: DESERT HOT SPRINGS, , 92240
Dealer Account Number: 177645
Sales Professional: James Davis
Phone: (951) 778-3700
Fax:
Email: jmdavis@rdoequipment.com

Comments

GEHL Factory warranty

Equipment Information

Quantity	Serial Number Stock Number	Hours (approx.)	Status / Year / Make / Model Additional Items	Cash Price
1	TBD TBD	0	New 2024 GEHL TH842	\$182,273.00
			Freight in GEHL FACTORY Freight to Indio	\$6,500.00
			Freight Out Freight Out	\$575.00
			Prep / Reconditioning PDI/FUEL/EIN/DEF	\$2,550.00
			Customer Discount Gov Discount additional Discount(15%) from List Price	(\$27,340.95)
Equipment Subtotal:				\$164,557.05

Purchase Order Totals

Balance:	\$164,557.05
CA STATE TAX:	\$9,873.42
CA COUNTY TAX:	\$411.39
CA SPECIAL TAX:	\$2,468.36
Sales Tax Total:	\$12,753.17
CA Tire Fee:	\$7.00
Sub Total:	\$177,317.22
Cash with Order:	\$0.00
Balance Due:	\$177,317.22

Legal Information

Item 12.

For the Construction Product(s)

ACKNOWLEDGMENTS - Purchaser offers to sell, transfer, and convey the item(s) listed as "Trade In" to the Dealer at or prior to the time of delivery of the above Product(s), as a "trade-in" to be applied against the cash price. Purchaser represents that each "trade-in" item shall be free and clear of all security interests, liens, and encumbrances at the time of transfer to the Dealer except to the extent shown below. The price to be allowed for each "trade-in" item is listed on this document. The Purchaser promises to pay the balance due shown hereon in cash, or to execute a Time Sale Agreement (Retail Installment Contract), or a Loan Agreement for the purchase price of the Product(s), plus additional charges shown thereon, or to execute a Lease Agreement, on or before delivery of the Product(s) ordered herein. Despite delivery of the Product(s) to the Purchaser, title shall remain with the Seller until one of the foregoing is accomplished. Except as provided herein and as necessary to protect RDO Equipment from the claims of a bankruptcy trustee or a buyer in the ordinary course of business, the Purchaser and the Dealer agree that this Purchase Order is not a security agreement and that delivery of the Product(s) to the Purchaser pursuant to this Purchase Order will not constitute possession of the Product(s) by the Purchaser, as a debtor, for the purposes of the purchase money security provisions in any statutes relating to personal property security or its equivalent. Purchaser understands that its rights in connection with this purchase are limited as set forth in this Purchase Order. I (we) hereby grant a security interest to RDO Equipment in the Product.

DISCLOSURE OF REGULATION APPLICABILITY - When operated in California, any off-road diesel vehicle may be subject to the California Air Resources Board In-Use Off-Road Diesel Vehicle Regulation. It therefore could be subject to retrofit or accelerated turnover requirements to reduce emissions of air pollutants. More information is available on the California Air Resources Board website at <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm>.

IMPORTANT WARRANTY NOTICE - The Standard Warranty for new John Deere construction and forestry products is set forth in a separate document provided by the dealer. Please read the Standard Warranty carefully before signing. No express warranty is made unless specified in the Warranty Statement. PURCHASER'S RIGHTS AND REMEDIES PERTAINING TO THIS PURCHASE ARE LIMITED AS INDICATED IN THE STANDARD WARRANTY AND PURCHASE ORDER. WHERE PERMITTED BY LAW, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS IS MADE.

Telematics: Orders of telematic devices include only the hardware. Where available, telematics software, including JDLink™ connectivity service, may be enabled from your local John Deere Operations Center or JDLink website. Please see your authorized John Deere dealer for assistance.

The undersigned purchaser(s) (the "Purchaser") hereby orders the product (the "Product") described above from the Dealer. The Dealer shall not be liable for failure to provide the Product or for any delay in delivery if such failure or delay is due to the Dealer's inability to obtain such Product from the manufacturer or supplier or other cause beyond the Dealer's control. The cash price shown above is subject to the Dealer receiving the Product from the manufacturer or supplier prior to any change in price by the manufacturer or supplier and is also subject to any new or increased taxes being imposed upon the sale of the Product after the date of this Purchase Order.

Upon signature of delivery acknowledgment, customer is accepting the equipment, including attachments, in "AS IS" condition, agreeing to notify RDO Equipment Co. within 24 hours of any damages or discrepancies found upon receipt of equipment.

Signature Area

Purchase Order Accepted By:

(Customer's Signature)

(Date Accepted)

(Authorized Signature of Dealer)

(Date Accepted)

Delivery of Equipment Acknowledgement:

(Customer's Signature)

Date Accepted

Equipment Options

Qty	Serial Number	Year / Make / Model	Description
1	TBD	2024 GEHL TH842	50841708 BASE UNIT TH8-42 STANDARD BASE UNIT 50841858 CAB ENCLOSURE W/ HEAT & A/C 50841843 HIGH BACH BUCKET SEAT W/ADJUSTABLE SUSPENSION 50841845 AUXILIARY HYDRAULICS R807107 ATTACHMENT SYSTEM- DYNATTACH® - MANUAL 50841846 NO PWP SYSTEM 50841912 EASY LINK MODULE 50860063 13X24/12 FOAM FILLED TIRES 50842098 ARCTIC WEATHER PACKAGE 50841917 CAMERA - REAR 820325 MIRROR 5041882 LIGHTS - WORK 804616 66 ROTATING D-TACH CARRIAGE 804485 2 1/4 IN. X 6 IN. X 60 IN. / RATED 12,500 LBS. (FU

JOHN DEERE GATOR QUOTE

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

 RDO Agriculture Equipment Co
 83300 Avenue 45
 Indio, CA 92201
 US

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

 RDO Agriculture Equipment Co
 83300 Avenue 45
 Indio, CA 92201
 760-342-8900
 SLMiller@rdoequipment.com

Quote Summary

Prepared For:

 MISSION SPRINGS WATER
 66575 2ND ST
 DESERT HOT SPRINGS, CA 92240
 Business: 760-329-6448
 MCORREA@MSWD.ORG

Delivering Dealer:
RDO Agriculture Equipment Co
 Stefanie Miller
 83300 Avenue 45
 Indio, CA 92201
 Phone: 760-342-8900
 slmiller@rdoequipment.com

Sourcewell ID# 155101

* Current ETA 6 - 8 months from date RDO Equipment Co. confirms receipt of agency PO or LOI. ETA can be subject to change without notice

Quote ID:	30666146
Created On:	03 April 2024
Last Modified On:	03 April 2024
Expiration Date:	03 May 2024

Equipment Summary

JOHN DEERE GATOR™ TE (Model Year 2024)

Selling Price	Qty	Extended
\$ 14,214.17 X	2 =	\$ 28,428.34

Contract: Sourcewell Grounds Maint 031121-DAC (PG BT CG 76)

Price Effective Date: April 2, 2024

Equipment Total
\$ 28,428.34

* Includes Fees and Non-contract items

Quote Summary

Equipment Total	\$ 28,428.34
Trade In	
SubTotal	\$ 28,428.34
Sales Tax - (7.75%)	\$ 2,203.20
CA Tire Fee	\$ 14.00
Sourcewell Delivery Fee	\$ 100.00
Est. Service Agreement Tax	\$ 0.00
Total	\$ 30,745.54
Down Payment	(0.00)
Rental Applied	(0.00)
Balance Due	\$ 30,745.54

Salesperson : X _____

Accepted By : X _____

Selling Equipment

Quote Id: 30666146 **Customer Name:** MISSION SPRINGS WATER

ALL PURCHASE ORDERS MUST BE MADE OUT TO (VENDOR):

 RDO Agriculture Equipment Co
 83300 Avenue 45
 Indio, CA 92201
 US

ALL PURCHASE ORDERS MUST BE SENT TO DELIVERING DEALER:

 RDO Agriculture Equipment Co
 83300 Avenue 45
 Indio, CA 92201
 760-342-8900
 SLMiller@rdoequipment.com

JOHN DEERE GATOR™ TE (Model Year 2024)

Hours:
Stock Number:
Contract: Sourcewell Grounds Maint 031121-DAC (PG BT
 CG 76)

Selling Price *
\$ 14,214.17
Price Effective Date: April 2, 2024

* Price per item - includes Fees and Non-contract items

Code	Description	Qty	List Price	Discount%	Discount Amount	Contract Price	Extended Contract Price
559SM	GATOR™ TE (Model Year 2024)	2	\$ 15,499.00	17.00	\$ 2,634.83	\$ 12,864.17	\$ 25,728.34
Standard Options - Per Unit							
0202	United States	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
0505	Build to Order	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
1015	Turf Tires	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
2016	Non Adjustable Seat	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
3001	Deluxe Cargo Box with Paint and Reflectors	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
3100	Cargo Box Manual Lift	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
3301	48-V Headlights	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
4099	Less Front Protection Package	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
4199	Less Rear Protection Package	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
6018	Less Rear Receiver Hitch	2	\$ 0.00	17.00	\$ 0.00	\$ 0.00	\$ 0.00
Standard Options Total			\$ 0.00		\$ 0.00	\$ 0.00	\$ 0.00
Dealer Attachments/Non-Contract/Open Market							
Open Market	Open Market - Wiedmann Canopy and windshield	2	\$ 1,350.00	0.00	\$ 0.00	\$ 1,350.00	\$ 2,700.00
Dealer Attachments Total			\$ 1,350.00		\$ 0.00	\$ 1,350.00	\$ 2,700.00
Value Added Services Total			\$ 0.00			\$ 0.00	\$ 0.00
Total Selling Price			\$ 16,849.00		\$ 2,634.83	\$ 14,214.17	\$ 28,428.34

AGENDA STAFF REPORT

MEETING NAME: BOARD OF DIRECTORS REGULAR MEETING

MEETING DATE(S): APRIL 11 & APRIL 15, 2024

FROM: ORIANA HOFFERT, HUMAN RESOURCES MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____



ADOPT RESOLUTION 2024-07 AND RECLASSIFY THE GOVERNMENT AND PUBLIC AFFAIRS MANAGER POSITION

STAFF RECOMMENDATION

Staff requests the Board adopt Resolution 2024-07, which amends the Employee Classification and Compensation Plan for FY 2023-24 with the reclassification of the Government and Public Affairs Manager position.

SUMMARY

Resolution 2024-07 removes the Government and Public Affairs Manager position and replaces it with a Programs and Public Affairs Specialist Position in the Employee Classification and Compensation Plan for FY 2024.

ANALYSIS

With the internal appointment of the new Assistant General Manager (AGM), a realignment of the District’s organizational chart is needed. The Government and Public Affairs duties will continue to be managed by our Assistant General Manager; however, as this role evolves and takes on additional AGM responsibilities, it is necessary to have additional Public Affairs support. With direct supervision from the Assistant General Manager Position, the Programs and Public Affairs Specialist will focus on customer communications and outreach, including conservation messaging and increased community engagement, as outlined in our 2024 Strategic Plan.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

There is no fiscal impact as the salary for the Programs and Public Affairs Specialist position is less than the budgeted Government and Public Affairs Manager position. This action is consistent with Strategic Plan Smart Goal 1.1-Develop and initiate an annual plan to increase customer outreach and engagement through various communication channels, technologies, and community events. The goal is to enhance customer trust, satisfaction, and understanding of water services with ongoing refinement of the communications plan and its goals.

FINANCIAL DATA		
Cost Associated with this action:	N/A	
Current FY cost:	-	
Future FY cost:	-	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	NA	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	101-General	
BID/Job#	142-Admin. Pay	
Current BID/Job balance	N/A	
Balance remaining if approved:	N/A	

ATTACHMENTS

Updated 2023-24 Salary Matrix
Resolution 2024-07

MISSION SPRINGS WATER DISTRICT



Item 13.

	Range	Step A	Step A1	Step B	Step B1	Step C	Step C1	Step D	Step D1	Step E	Step E1	Step F	
General Manager	Contract	\$ 227,489.60	\$ 233,168.00	\$ 238,992.00	\$ 244,961.60	\$ 251,076.80	\$ 257,358.40	\$ 263,785.60	\$ 270,379.20	\$ 277,139.20	\$ 284,065.60	\$ 291,158.40	Annual
		18,957.47	19,430.67	19,916.00	20,413.47	20,923.07	21,446.53	21,982.13	22,531.60	23,094.93	23,672.13	24,263.20	139.98
		109.37	112.10	114.90	117.77	120.71	123.73	126.82	129.99	133.24	136.57	139.98	\$/Hr.
	31	\$ 196,144.00	\$ 201,052.80	\$ 206,086.40	\$ 211,244.80	\$ 216,528.00	\$ 221,936.00	\$ 227,489.60	\$ 233,168.00	\$ 238,992.00	\$ 244,961.60	\$ 251,076.80	Annual
		16,345.33	16,754.40	17,173.87	17,603.73	18,044.00	18,494.67	18,957.47	19,430.67	19,916.00	20,413.47	20,923.07	120.71
		94.30	96.66	99.08	101.56	104.10	106.70	109.37	112.10	114.90	117.77	120.71	\$/Hr.
	30	\$ 186,700.80	\$ 191,360.00	\$ 196,144.00	\$ 201,052.80	\$ 206,086.40	\$ 211,244.80	\$ 216,528.00	\$ 221,936.00	\$ 227,489.60	\$ 233,168.00	\$ 238,992.00	Annual
		15,558.40	15,946.67	16,345.33	16,754.40	17,173.87	17,603.73	18,044.00	18,494.67	18,957.47	19,430.67	19,916.00	114.90
		89.76	92.00	94.30	96.66	99.08	101.56	104.10	106.70	109.37	112.10	114.90	\$/Hr.
Assistant General Manager	29	\$ 177,694.40	\$ 182,145.60	\$ 186,700.80	\$ 191,360.00	\$ 196,144.00	\$ 201,052.80	\$ 206,086.40	\$ 211,244.80	\$ 216,528.00	\$ 221,936.00	\$ 227,489.60	Annual
		14,807.87	15,178.80	15,558.40	15,946.67	16,345.33	16,754.40	17,173.87	17,603.73	18,044.00	18,494.67	18,957.47	114.90
		85.43	87.57	89.76	92.00	94.30	96.66	99.08	101.56	104.10	106.70	109.37	\$/Hr.
	28	\$ 169,145.60	\$ 173,368.00	\$ 177,694.40	\$ 182,145.60	\$ 186,700.80	\$ 191,360.00	\$ 196,144.00	\$ 201,052.80	\$ 206,086.40	\$ 211,244.80	\$ 216,528.00	Annual
		14,095.47	14,447.33	14,807.87	15,178.80	15,558.40	15,946.67	16,345.33	16,754.40	17,173.87	17,603.73	18,044.00	104.10
		81.32	83.35	85.43	87.57	89.76	92.00	94.30	96.66	99.08	101.56	104.10	\$/Hr.
Director of Finance	27	\$ 160,992.00	\$ 165,027.20	\$ 169,145.60	\$ 173,368.00	\$ 177,694.40	\$ 182,145.60	\$ 186,700.80	\$ 191,360.00	\$ 196,144.00	\$ 201,052.80	\$ 206,086.40	Annual
		13,416.00	13,752.27	14,095.47	14,447.33	14,807.87	15,178.80	15,558.40	15,946.67	16,345.33	16,754.40	17,173.87	99.08
		77.40	79.34	81.32	83.35	85.43	87.57	89.76	92.00	94.30	96.66	99.08	\$/Hr.
Director of Operations	26	\$ 153,233.60	\$ 157,060.80	\$ 160,992.00	\$ 165,027.20	\$ 169,145.60	\$ 173,368.00	\$ 177,694.40	\$ 182,145.60	\$ 186,700.80	\$ 191,360.00	\$ 196,144.00	Annual
		12,769.47	13,088.40	13,416.00	13,752.27	14,095.47	14,447.33	14,807.87	15,178.80	15,558.40	15,946.67	16,345.33	94.30
		73.67	75.51	77.40	79.34	81.32	83.35	85.43	87.57	89.76	92.00	94.30	\$/Hr.
	25	\$ 145,849.60	\$ 149,489.60	\$ 153,233.60	\$ 157,060.80	\$ 160,992.00	\$ 165,027.20	\$ 169,145.60	\$ 173,368.00	\$ 177,694.40	\$ 182,145.60	\$ 186,700.80	Annual
		12,154.13	12,457.47	12,769.47	13,088.40	13,416.00	13,752.27	14,095.47	14,447.33	14,807.87	15,178.80	15,558.40	89.76
		70.12	71.87	73.67	75.51	77.40	79.34	81.32	83.35	85.43	87.57	89.76	\$/Hr.
Engineering Manager	24	\$ 138,819.20	\$ 142,292.80	\$ 145,849.60	\$ 149,489.60	\$ 153,233.60	\$ 157,060.80	\$ 160,992.00	\$ 165,027.20	\$ 169,145.60	\$ 173,368.00	\$ 177,694.40	Annual
		11,568.27	11,857.73	12,154.13	12,457.47	12,769.47	13,088.40	13,416.00	13,752.27	14,095.47	14,447.33	14,807.87	85.43
		66.74	68.41	70.12	71.87	73.67	75.51	77.40	79.34	81.32	83.35	85.43	\$/Hr.
	23	\$ 132,121.60	\$ 135,428.80	\$ 138,819.20	\$ 142,292.80	\$ 145,849.60	\$ 149,489.60	\$ 153,233.60	\$ 157,060.80	\$ 160,992.00	\$ 165,027.20	\$ 169,145.60	Annual
		11,010.13	11,285.73	11,568.27	11,857.73	12,154.13	12,457.47	12,769.47	13,088.40	13,416.00	13,752.27	14,095.47	81.32
		63.52	65.11	66.74	68.41	70.12	71.87	73.67	75.51	77.40	79.34	81.32	\$/Hr.
Human Resources Manager Innovation & Technology Manager	22	\$ 125,756.80	\$ 128,897.60	\$ 132,121.60	\$ 135,428.80	\$ 138,819.20	\$ 142,292.80	\$ 145,849.60	\$ 149,489.60	\$ 153,233.60	\$ 157,060.80	\$ 160,992.00	Annual
		10,479.73	10,741.47	11,010.13	11,285.73	11,568.27	11,857.73	12,154.13	12,457.47	12,769.47	13,088.40	13,416.00	77.40
		60.46	61.97	63.52	65.11	66.74	68.41	70.12	71.87	73.67	75.51	77.40	\$/Hr.
	21	\$ 119,704.00	\$ 122,699.20	\$ 125,756.80	\$ 128,897.60	\$ 132,121.60	\$ 135,428.80	\$ 138,819.20	\$ 142,292.80	\$ 145,849.60	\$ 149,489.60	\$ 153,233.60	Annual
		9,975.33	10,224.93	10,479.73	10,741.47	11,010.13	11,285.73	11,568.27	11,857.73	12,154.13	12,457.47	12,769.47	73.67
		57.55	58.99	60.46	61.97	63.52	65.11	66.74	68.41	70.12	71.87	73.67	\$/Hr.
Accounting Manager	20	\$ 113,942.40	\$ 116,792.00	\$ 119,704.00	\$ 122,699.20	\$ 125,756.80	\$ 128,897.60	\$ 132,121.60	\$ 135,428.80	\$ 138,819.20	\$ 142,292.80	\$ 145,849.60	Annual
		9,495.20	9,732.67	9,975.33	10,224.93	10,479.73	10,741.47	11,010.13	11,285.73	11,568.27	11,857.73	12,154.13	70.12
		54.78	56.15	57.55	58.99	60.46	61.97	63.52	65.11	66.74	68.41	70.12	\$/Hr.
Chief Plant Operator Field Operations Superintendent	19	\$ 108,451.20	\$ 111,155.20	\$ 113,942.40	\$ 116,792.00	\$ 119,704.00	\$ 122,699.20	\$ 125,756.80	\$ 128,897.60	\$ 132,121.60	\$ 135,428.80	\$ 138,819.20	Annual
		9,037.60	9,262.93	9,495.20	9,732.67	9,975.33	10,224.93	10,479.73	10,741.47	11,010.13	11,285.73	11,568.27	66.74
		52.14	53.44	54.78	56.15	57.55	58.99	60.46	61.97	63.52	65.11	66.74	\$/Hr.
Associate Engineer	18	\$ 103,230.40	\$ 105,809.60	\$ 108,451.20	\$ 111,155.20	\$ 113,942.40	\$ 116,792.00	\$ 119,704.00	\$ 122,699.20	\$ 125,756.80	\$ 128,897.60	\$ 132,121.60	Annual
		8,602.53	8,817.47	9,037.60	9,262.93	9,495.20	9,732.67	9,975.33	10,224.93	10,479.73	10,741.47	11,010.13	63.52
		49.63	50.87	52.14	53.44	54.78	56.15	57.55	58.99	60.46	61.97	63.52	\$/Hr.
Customer Service Manager	17	\$ 98,259.20	\$ 100,713.60	\$ 103,230.40	\$ 105,809.60	\$ 108,451.20	\$ 111,155.20	\$ 113,942.40	\$ 116,792.00	\$ 119,704.00	\$ 122,699.20	\$ 125,756.80	Annual
		8,188.27	8,392.80	8,602.53	8,817.47	9,037.60	9,262.93	9,495.20	9,732.67	9,975.33	10,224.93	10,479.73	60.46
		47.24	48.42	49.63	50.87	52.14	53.44	54.78	56.15	57.55	58.99	60.46	\$/Hr.
Water Production Supervisor	16	\$ 93,537.60	\$ 95,867.20	\$ 98,259.20	\$ 100,713.60	\$ 103,230.40	\$ 105,809.60	\$ 108,451.20	\$ 111,155.20	\$ 113,942.40	\$ 116,792.00	\$ 119,704.00	Annual
		7,794.80	7,988.93	8,188.27	8,392.80	8,602.53	8,817.47	9,037.60	9,262.93	9,495.20	9,732.67	9,975.33	57.55
		44.97	46.09	47.24	48.42	49.63	50.87	52.14	53.44	54.78	56.15	57.55	\$/Hr.
Programs and Public Affairs Specialist Executive Assistant Lead WWTP	15	\$ 89,024.00	\$ 91,249.60	\$ 93,537.60	\$ 95,867.20	\$ 98,259.20	\$ 100,713.60	\$ 103,230.40	\$ 105,809.60	\$ 108,451.20	\$ 111,155.20	\$ 113,942.40	Annual
		7,418.67	7,604.13	7,794.80	7,988.93	8,188.27	8,392.80	8,602.53	8,817.47	9,037.60	9,262.93	9,495.20	54.78
		42.80	43.87	44.97	46.09	47.24	48.42	49.63	50.87	52.14	53.44	54.78	\$/Hr.
GIS Specialist	14	\$ 84,739.20	\$ 86,860.80	\$ 89,024.00	\$ 91,249.60	\$ 93,537.60	\$ 95,867.20	\$ 98,259.20	\$ 100,713.60	\$ 103,230.40	\$ 105,809.60	\$ 108,451.20	Annual
		7,061.60	7,238.40	7,418.67	7,604.13	7,794.80	7,988.93	8,188.27	8,392.80	8,602.53	8,817.47	9,037.60	52.14
		40.74	41.76	42.80	43.87	44.97	46.09	47.24	48.42	49.63	50.87	52.14	\$/Hr.
	13	\$ 80,662.40	\$ 82,680.00	\$ 84,739.20	\$ 86,860.80	\$ 89,024.00	\$ 91,249.60	\$ 93,537.60	\$ 95,867.20	\$ 98,259.20	\$ 100,713.60	\$ 103,230.40	Annual
		6,721.87	6,890.00	7,061.60	7,238.40	7,418.67	7,604.13	7,794.80	7,988.93	8,188.27	8,392.80	8,602.53	49.63
		38.78	39.75	40.74	41.76	42.80	43.87	44.97	46.09	47.24	48.42	49.63	\$/Hr.
Business Analyst; Contracts Analyst Accountant; Lead Facilities Maintenance Worker Lead Field Operations Technician	12	\$ 76,772.80	\$ 78,664.00	\$ 80,662.40	\$ 82,680.00	\$ 84,739.20	\$ 86,860.80	\$ 89,024.00	\$ 91,249.60	\$ 93,537.60	\$ 95,867.20	\$ 98,259.20	Annual
		6,397.73	6,557.20	6,721.87	6,890.00	7,061.60	7,238.40	7,418.67	7,604.13	7,794.80	7,988.93	8,188.27	47.24
		36.91	37.83	38.78	39.75	40.74	41.76	42.80	43.87	44.97	46.09	47.24	\$/Hr.
Lead Collections System Operator WWTP II Lead Field Services Rep.	11	\$ 73,070.40	\$ 74,900.80	\$ 76,772.80	\$ 78,664.00	\$ 80,662.40	\$ 82,680.00	\$ 84,739.20	\$ 86,860.80	\$ 89,024.00	\$ 91,249.60	\$ 93,537.60	Annual
		6,089.20	6,241.73	6,397.73	6,557.20	6,721.87	6,890.00	7,061.60	7,238.40	7,418.67	7,604.13	7,794.80	

RESOLUTION NO. 2024-07

A RESOLUTION OF THE BOARD OF DIRECTORS OF MISSION SPRINGS WATER DISTRICT APPROVING AND ADOPTING ITS REVISED EMPLOYEE COMPENSATION PLAN FOR FY 2023-2024

WHEREAS, the Board of Directors, by Resolution, annually adopts a Classification and Compensation Plan for its employees; and

WHEREAS, on January 16, 2024, the Mission Springs Water District Board of Directors adopted Resolution 2024-05 adopting the FY 2023-24 Classification and Compensation Plan for its employees, and

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED that the Board of Directors of Mission Springs Water District hereby amends and adopts Resolution 2024-07 amending the FY 2023-24 Classification and Compensation Plan for its employees.

ADOPTED this _____ day of April 2024, by the following vote:

- Ayes:
- Noes:
- Abstain:
- Absent:

Ivan Sewell
 President of Mission Springs Water District
 and its Board of Directors

ATTEST:

Brian Macy
 Secretary of Mission Springs Water District
 and its Board of Directors

AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETING

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ERIC WECK, P.E., ENGINEERING MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____



AWARD OF CONTRACT TO AECOM FOR ASSESSMENT DISTRICT NO. 18, AREA D-3 SANITARY SEWER DESIGN SERVICES

STAFF RECOMMENDATION

It is recommended to authorize the General Manager to negotiate and execute a contract with AECOM Technical Services, Inc. (AECOM) for sanitary sewer design services of Area D-3 for a total amount not to exceed \$51,834.

SUMMARY

Mission Springs Water District (MSWD) previously contracted with AECOM in the late 2000s to design several septic to sewer project areas, including Area D. Following the completion of the design for Area D in 2015, portions of the project, Areas D-1, and D-2, were constructed. Construction funding from California Proposition 1, Rounds 1 & 2 has been secured for Area D-3. As such, AECOM will review the 2015 drawings, specifications, and engineer's estimate and update them to reflect current design conditions, focusing on new utility locations and aligning sanitary sewer service locations with newly constructed homes since 2015. MSWD has received approximately \$950,000 in grant funding for the construction of the project.

ANALYSIS

AECOM will use the 2015 Area D design as the foundation, ensuring efficiency for the design update. Options like asphalt pulverization in place or asphalt overlay and trench repair will be considered for implementation, along with replacement roadway striping. Both MSWD's and the City of Desert Hot Springs' standards will be followed. The construction cost estimate for Area D-3 will be updated based on recently bid sewer projects. AECOM will provide the updated design package for MSWD review within 16 weeks of the contract award.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

The cost for all work authorized under this contract will encompass all areas of Area D-3 and has been included within various items of the approved operating and capital budget. The cost for consulting design services to prepare construction plans, specifications, and estimates is in the not-to-exceed amount of \$51,834.00. There is adequate funding within the project budget for this work. This action is consistent with Strategic Plan Smart Goals 2.1-Ensure excellence in regulatory compliance and 3.2-Control costs and manage debt responsibly.

ATTACHMENTS

Contract - Area D-3 Design Plans and Specs

FINANCIAL DATA		
Cost Associated with this action:	\$51,834.00	
Current FY cost:	\$51,834.00	
Future FY cost:	\$0	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	N/A	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	Capital	
BID/Job#	11693	
Current BID/Job balance	\$147,159.25	
Balance remaining if approved:	\$95,325.25	

**Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone 760-329-6448 – FAX 760-329-2482**

For your protection, make sure that you read and understand all provisions before signing. The terms on pages 2 - 5 are incorporated in this document and will constitute a part of the agreement between the parties when signed.

**TO: AECOM Technical Services, Inc.
7595 Technology Way, Suite 200
Denver, CO 80237**

DATE: _____

TITLE: Repackaging of Plans and Specifications for the AD-18 Area D-3 Sewer Construction Project

The undersigned Consultant agrees to furnish the following:

All Work/Services per the attached Exhibit A – Scope of Work and Proposal, and per Exhibit B – Term, Early Termination & Notice

Contract price \$: Not to Exceed \$51,834.00


Term: **Final Bid Package:** Six (6) months from the effective Agreement DATE above
Final Record Drawings: Ninety (90) days following the completion of Project construction

Instructions: Sign and return the originals. Upon acceptance by Mission Springs Water District, a copy will be signed by its authorized representative(s) and promptly returned to you. Insert the names of your authorized representative(s) below.


Accepted: _____
Mission Springs Water District

Consultant: _____
AECOM Technical Services, Inc.
(Consultant)

By: _____
Brian Macy
Title General Manager

By:  _____
Sean Berzins
Title Associate VP

Other authorized representative(s):
Eric Weck
Engineering Manager

Other authorized representative(s):
Rob Thomas
Project Manager


Consultant agrees with the Mission Springs Water District that:

- a. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons that arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Consultant's performance or non-performance of the work hereunder and shall not tender such claims to Mission Springs Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out the performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
- c. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.
- d. Consultant will file with Mission Springs Water District, before beginning professional services, a certificate of insurance satisfactory to Mission Springs Water District evidencing professional liability coverage of not less than \$1,000,000 per claim and \$2,000,000 annual aggregate, that coverage shall not be cancelled except with notice to Mission Springs Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-: VII, or equivalent, or as otherwise approved by Mission Springs Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least five (5) years after the completion of the contract work. Consultant shall purchase a five-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- e. Consultant will file with Mission Springs Water District, before beginning professional services, certificates of insurance (Acord Form 25 or equivalent) satisfactory to Mission Springs Water District evidencing

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

- 1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001)
- 2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto)

Limit – The consultant shall maintain limits no less than the following

- 1. General liability - coverage of not less than two million (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for bodily injury, personal injury and property damage; (\$4,000,000 general and products-completed operations aggregate (if used)).

2. Auto liability - One million dollars \$1,000,000 for bodily injury and property damage each accident limit.
3. Workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable).

Required Provisions –

- The general liability coverage shall give Mission Springs Water District, its directors, officers, employees (collectively the District), and authorized volunteers insured status (via ISO endorsement at least as broad as CG 2010 1185 or **both** CG 20 10 plus CG 20 37 if a later edition is used) specifically naming the Mission Springs Water District, its directors, officers, employees, or authorized volunteers; or using the language that states, "as required by written contract."
 - The general liability coverage is to state or be endorsed (with as broad as ISO endorsement CG 20 01 04 13) to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by Mission Springs Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it".
 - Coverage is to be placed with a carrier with an A.M. Best rating of no less than A - : VII, or equivalent, or as otherwise approved by Mission Springs Water District.
 - The coverage shall contain no special limitations on the scope of protection afforded to Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
 - In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- f. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) to Mission Springs Water District at least ten (10) days prior to the expiration date.
 - g. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other Authorized Representative(s)."
 - h. Payment, unless otherwise specified on Page 1, is to be within thirty (30) days after acceptance by Mission Springs Water District.
 - i. Professional permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including but not limited to Cal/OSHA requirements.
 - j. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by Mission Springs Water District. Consultant's "Authorized Representative(s)" has (have) the authority to execute such written change for Consultant.
 - k. Unless otherwise agreed upon in writing, all reports, documents, or other written material, including any documents, images, photographs, video files, or other media created or developed by Consultant as part of the services required hereunder ("Written Products") shall be considered to be "works made for hire", and all Written Products and any and all intellectual property rights arising from their creation, including, but not limited to, all copyrights and all other proprietary rights, shall be and remain the property of Mission Springs Water District without restriction or limitation upon their use, duplication or dissemination by Mission Springs Water District, except as otherwise provided herein. Consultant shall not obtain or attempt to obtain copyright protection as to any of the Written Products.

- l. Consultant hereby assigns to Mission Springs Water District all ownership and any and all intellectual property rights to the Written Products that are not otherwise vested in Mission Springs Water District pursuant to section above.
- m. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to the Consultant by the Mission Springs Water District or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of an Authorized Representative during the term of this Agreement. Consultant's covenant under this section shall survive the termination of this Agreement.
- n. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the Mission Springs Water District or the Authorized Representative. The Consultant shall maintain adequate records on services provided in sufficient detail to permit an evaluation of service. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. At all times during regular business hours, Consultant shall provide access to such books and records to the Authorized Representative or his or her designees and shall give the Authorized Representative or his or her designees the right to examine and audit such books and records and to make transcripts as necessary, and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement.
- o. This Agreement is personal to the Consultant. Any attempt to assign or subcontract any right or obligation hereunder by the Consultant shall be void unless approved in writing in advance by the Authorized Representative. Consultant's services pursuant to this Agreement shall be provided by the representative or directly under the supervision of the representative and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of the Mission Springs Water District, by and through the Authorized Representative.
- p. Consultant shall not maintain, commit, or permit the maintenance or commission of any nuisance in connection with the performance of services under this Agreement.
- q. Consultant agrees to be familiar with and comply with all applicable federal, state, and local conflict of Interest laws, including, but not limited to, the Political Reform Act (California Government Code Sections 81000, et seq.) and California Government Code Section 1090. During the term of this Agreement, Consultant shall retain the right to perform similar services for other clients, but Consultant and its officers, employees, associates, and subcontractors shall not, without the prior written approval of the Authorized Representative, perform work for another person or entity for whom Consultant is not currently performing work that would require Consultant or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict-of-interest statute.
- r. A waiver by the Mission Springs Water District of any breach of any term, covenant, or condition contained in this Agreement shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement whether of the same or different character.
- s. The Consultant shall commence, carry on, and complete all required tasks with all practicable dispatch, in a sound, economical, and efficient manner in accordance with all applicable laws and generally accepted industry standards.
- t. No Third-Party Beneficiaries. The Mission Springs Water District shall not be obligated or liable under this Agreement to any party other than the Consultant.
- u. In no event shall the making by the Mission Springs Water District of any payment to the Consultant constitute or be construed as a waiver by the Mission Springs Water District of any breach of covenant, or any default which may then exist, on the part of the Consultant, and the making of any such payment by the Mission Springs Water District while any such breach or default shall exist shall in no way impair or

prejudice any right or remedy available to the Mission Springs Water District with regard to such breach or default.

- v. If any legal action is necessary to enforce any provision of this Agreement or for damages by reason of an alleged breach of any provisions of this Agreement, the prevailing Party shall be entitled to receive from the losing Party all costs and expenses in such amount as the courts may determine to be reasonable. In awarding the cost of litigation, the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorneys' and experts' fees paid or incurred in good faith.
- w. In the performance of the work required by this Agreement, Consultant shall abide by and conform with and to any and all applicable laws of the United States and the State of California, and with the local County and Municipal Code, ordinances, regulations and policies.
- x. If any part, term, or provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law of a federal, state, or local government having jurisdiction over this Agreement, the validity of the remaining portions or provisions shall not be affected by such holding.
- y. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be the Superior Court of Riverside County, California.
- z. This Agreement represents the entire Agreement between the Mission Springs Water District and Consultant with respect to the subject matter hereto and supersedes all prior oral or written negotiations, representations, or agreements. No verbal agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the parties to this Agreement and any subsequent successors and assigns. In the event of any inconsistency between the provisions of this Agreement and Consultant's proposal or Quote, and Exhibits hereto, the provisions of this Agreement shall control.
- aa. Precedence of Exhibits. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.
- bb. Consultant will act hereunder as an independent contractor. This agreement shall not and is not intended to constitute Consultant as an agent, servant, or employee of the Mission Springs Water District and shall not and is not intended to create the relationship of partnership, joint venture or association between the Mission Springs Water District and Consultant.
- cc. Each of the signatories herein hereby represents that he or she has the authority to execute the Agreement on behalf of his or her contracting party.
- dd. This work is subject to the State of California "Prevailing Wage Rates". This work is subject to the requirements of California Labor Code Section 1720 et seq. requiring the payment of prevailing wages, the training of apprentices and compliance with other applicable requirements. In accordance with provisions of Section 1773 of the Labor Code, the Director of the Department of Industrial Relations (DIR) has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes applicable to the particular craft, classification, or type of workers employed on the work.

Pursuant to SB 854, no contractor or subcontractor may work on a public works project unless registered with DIR for contracts awarded on/after April 1, 2015. General Contractors shall ensure all subcontractors executing work under the contract are DIR registered. All public works contractors and subcontractors to furnish electronic certified payroll records directly to the Labor Commissioner using the California Division of Labor Standards Enforcement's online portal.

February 22, 2024

*** * * Sent via Email * * ***

Mr. Brian Macy
General Manager
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240-3711

Subject: AD 12 – Area D-3 Sewer Project Construction and Septic Abatement Program

Dear Mr. Macy:

AECOM appreciates the opportunity to continue supporting Mission Springs Water District (MSWD, District) with professional engineering services in association with the Assessment District 12 (AD-12) sewer line design and septic abatement program. Per e-mail received 12/15/23 from Steve Ledbetter of TKE Engineering, the District would like AECOM to prepare Contract Documents entitled AD 12 – Area D-3 Sewer Project Construction and Septic Abatement Program. Area D-3 is a subset of prior area designed and constructed as D-2. AECOM assumes the previous design drawings completed for Area D-2 dated 2015 as prepared by URS, an AECOM Technical Services, Inc. company and the specifications associated with AECOM's repackaging of Area M-2 dated 2024 will be used as the base documents.

SCOPE OF WORK

We have developed the following Scope of Work to provide MSWD design support for repackaging Area D-3. This Scope of Work consists of the following tasks:

Task 1 – Area D-3 Repackaging

- 1-1 - Update Drawings to Current Design Standards
- 1-2 - Incorporate Field Changes in Drawings, including New Underground Utilities and infill residential development (if any)
- 1-3 - Prepare Updated Construction Drawings
- 1-4 - Prepare Updated Construction Specifications
- 1-5 - Prepare Updated Construction Cost Estimate
- 1-6 - Addressing MSWD Review Comments
- 1-7 - Prepare Record Drawings

Task 2 – Project Management

- 2-1 - Project Management and Invoicing
- 2-2 - Project Health and Safety and Project Management Plans

Presented below is a detailed discussion of the scope of each task, including a detailed description of associated subtasks.

Task 1 - Area D-3 Repackaging

Task 1-1 – Review Drawings for Current Design Standards

AECOM will review the drawings prepared in 2015 and modify for current design standards of MSWD and the City of Desert Hot Springs.

Deliverables:

No specific deliverable is associated with this task; findings will be incorporated into the design drawings and specifications.

Task 1-2 – Modify Drawings to Current Field Changes, New Underground Utilities Notification

AECOM will review the drawings prepared in 2015 and modify for current design conditions. This will only include aligning sanitary sewer services locations with new homes built since the original design drawings of 2015. The original design used a standard property line offset for locating the service lines for vacant lots. AECOM will update the Service Connection Tables to show addresses along with the APN lot designation for new homes. Note: For lots that now have homes, MSWD will need to provide AECOM with the corrected service line location. No field survey work will be accomplished as part of this task.

AECOM will notify underground utilities companies of the work area to obtain knowledge of new underground utilities that have been constructed since 2015. AECOM will notify MSWD of the conflicts those utilities have on the new gravity sanitary sewer design. Design changes are not included as to the unknowns associated with those utility conflicts. If new utilities are found to impact current sewer alignments, AECOM will notify MSWD and provide a cost estimate to make the necessary design modifications.

Deliverables:

- No specific deliverable is associated with this task; findings will be incorporated into the design drawings and specifications.
- For new underground utilities information, AECOM will notify MSWD as to the path forward.

Task 1-3 – Construction Drawings

AECOM will use the final drawings prepared for Area D-2 dated 2015 as base documents and prepare new final drawings that pertain to the sanitary sewer construction for Area D-3.

Deliverables:

- Drawings (.pdf) via e-mail for review.

Task 1-4 – Construction Specification

AECOM will take the final specifications prepared for Area M-2 repackaging effort dated 2024 and edit for the Area D-3 repackaging. The 2024 specification is the latest repackaging effort

completed by AECOM. As with Area M-2 repackaging, all references to the Federal government requirements and other USACE requirements will not be included in the specifications. The specifications will be written to identify the Area D-3. MSWD shall provide updated front end specification sections for AECOM's use in preparing the Area D-3 update.

Deliverables:

- Specifications (.docx) via e-mail for review.

Task 1-5 – Construction Cost Update

Based on the Area D-3 drawings, AECOM will update the construction cost estimate using the revised sanitary sewer quantities for the repackaging of Area D-3. AECOM will use the average unit rates obtained from the AD-12 Area M-2 cost estimate and apply escalated versions of those unit rates to Area D-3 for similar construction items if so directed by MSWD.

Deliverables:

- Revised construction cost estimate for Area D-3 including asphalt pulverization in place and overlay, or typical trench repair, as directed by MSWD.

Task 1-6 – Addressing MSWD Review Comments

AECOM will repackage the drawings and specifications to the 100% level and submit to MSWD. Interim deliverables of 60%, 90% have not been included. AECOM has included a separate effort to address one set of comments provided by MSWD. After the one set of comments are addressed, AECOM will prepare the final drawings and specifications.

Deliverables:

- One Full Size (24" x 36") PE Stamped & Signed Construction Drawings – Mylar
- One Specification Package (.pdf)
- One CD of electronic drawings (.dwg and .pdf and specifications (.docx and .pdf)

Task 1-7 – Record Drawings

The specifications require the Contractor to maintain a log of all construction changes to the drawings. The Contractor will survey all sanitary sewer construction and transpose this information to their construction "As Built" set of drawings. AECOM will take this information and prepare the Record Drawings for Area D-3 for submittal to MSWD. AECOM will address one set of MSWD review comments. AECOM has not included any survey work to represent the as-built condition.

Deliverables:

- One Full Size (24" x 36") PE Stamped and Signed As-Constructed Drawings – Mylar
- One CD of electronic drawings (.dwg and .pdf)

Task 2 – Project Management

Task 2-1 – Project Management

- The Project Management tasks will include project set up, weekly budget tracking, monthly invoicing, and phone communication with MSWD.

Task 2-2 – Project Health and Safety and Project Management Plans

- AECOM project initiation includes preparation of a Project Management Plan. AECOM’s Safety for Life Program will be used for this project and a project specific Health and Safety Plan will not be created. We have assumed no on-site meetings. We have assumed that all miscellaneous field measurements, data gathering, and coordination with other agencies will be completed with District personal or their representative.

Deliverables:

- Monthly invoicing and work status cover letter
- Project Management Plan

Engineering Fees

AECOM estimates the Time and Materials not to exceed fee of \$51,834. The fee for completing this deliverable package is included in the following table.

Fee Summary Table

Item	Scope Description	Labor Hours	Fee
Task 1 – Area D-3 Repackaging			
1-1	Review drawings for Current Design Standards	46	\$5,498
1-2	Update Sanitary Service Locations for New Homes, New Underground Utilities	99	\$11,464
1-3	Construction Drawings	46	\$5,498
1-4	Specifications	42	\$4,682
1-5	Construction Cost Update	17	\$1,885
1-6	Address District Comments (1 Round)	65	\$8,020
1-7	Record Drawings	50	\$6,149
Sub Total Task 1		365	\$43,196
Task 2 – Project Management (12 month schedule)			
2-1	Monthly Invoicing	32	\$6,208
2-2	Project Management and Health and Safety Plans	18	\$2,430
Sub Total Task 2		50	\$8,638
Total Area D-3 Repackaging		415	\$51,834

Schedule

AECOM will complete the draft design drawings and specifications within a 16-week period, 80 working days, from Notice to Proceed (NTP). Final drawings and specifications will follow the one set of comment review and response periods.

Record Drawings will be completed within 60 working days after receiving the red-lined drawings and the Contractor provided as-built survey.

Assumptions

The following assumptions have been included in the preparation of the Scope of Work. AECOM understands that the bid drawings, specifications, and construction cost estimate will use Area D-2 as the area for repackaging. The drawings and specifications will be repackaged such that the MSWD contract documents will include the following design elements:

Drawings:

1. Area D-3 repackaging will use the previous design for Area D-2 dated 2015 as the basis.
2. 12 sheets have been estimated.
3. Bid alternatives have not been included.
4. Asphalt pulverization in place and overlay, or typical trench repair, will be included.
5. Replacement striping will be included.
6. The current online MSWD standards are dated September 2012. We have assumed that the referenced Standards in the D-2 original drawings have not changed.
7. The current online City of Desert Hot Springs standards are dated August 2022.
8. All red lined as-built information and as-built survey will be provided to AECOM by the District, as logged by the Contractor. We assume the as-built information will only modify the service lateral tables and manhole tables. Drawing changes that require moving sanitary sewer alignments horizontally or vertically have not been included.
9. For the D-3 Area lots that now have homes, MSWD will provide AECOM with the corrected service line location for incorporation into the drawings.
10. AECOM has not included any new underground utilities and their effect on the gravity sanitary sewer design. AECOM will obtain information on the new utilities in the Area of D-3 and notify MSWD of their effects on the gravity sewer lines.
11. Area D-3 drawings do not include work outside the public right-of-way. For example, removal and replacement of sanitary sewer services and septic tanks is not included outside the public right-of-way.

Specifications:


1. Previous specifications prepared for Area M-2 Repackaging in 2024 will be used as the basis for the specifications for Area D-3. AECOM will edit these specifications to include the Area D-3. The current online MSWD standard specifications are dated September 2012. We have assumed that the referenced specifications in the D-2 original drawings have not changed.
2. MSWD will provide updated front end sections for inclusion.
3. All references to Army Corp of Engineers and Federal references will be removed.
4. The Contractor will obtain the Storm Water Pollution Prevention Plant (SWPPP) and PM 10 permits.
5. Encroachment permit and all costs will be obtained by the Contractor.
6. One specification document will be prepared to cover the Area D-3 repackaging.

Other assumptions:


1. Construction Documents will be submitted for the 100% design. No intermediate design reviews are included for the base bid and bid alternatives.
2. AECOM has included a level of effort to address one review by MSWD. Formal comment responses are not included. The drawings and specifications will be modified to address the review comments.
3. After addressing and updating the project construction document based on the first and only review, the bid documents are assumed bid ready and no further edits will be required.
4. Site visits are not included.
5. Construction cost estimate for Area D-3 will be developed. No bid alternatives are included. AECOM will use the unit rates applied to Area M-2 repackaging effort.
6. Bidding and construction administration services are not included.
7. Utility locates, potholing, and survey are not included.

We are available at your earliest convenience to discuss with you and your staff this proposal and provide any needed clarification. If you should have any questions, please feel free to call me at (303) 808-8564.

Sincerely,
AECOM Technical Services, Inc.



Rob Thomas, PE
Project Manager



Tim Volz, PE
Vice-President

Term, Early Termination & Notice**Repackaging of Plans and Specifications for AD-18
Area D-3 Sewer Construction Project****A. Term of Agreement**

This professional services agreement shall be effective upon approval by the parties thereof and shall expire **Final Bid Package:** Six (6) months from the effective Agreement DATE therein, and **Final Record Drawings:** Ninety (90) days following the completion of Project construction. This contract also terminates and replaces any previous agreements between the District and AECOM Technical Services, Inc. for the Repackaging of Plans and Specifications for the AD-18 Area D-3 Sewer Construction Project in force prior to the effective date of this agreement.

B. Early Termination of Agreement

This agreement may be terminated at any time upon a thirty (30) day written Notice from either party, and without fault or claim for damages by either party.

C. Notice

All correspondence and Notices will be sent to the following addresses as noted below for Mission Springs Water District and AECOM Technical Services, Inc.

OWNER

Attn: Brian Macy
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
bmacy@mswd.org

CONSULTANT

Attn: Tim Volz, Vice-President
AECOM Technical Services, Inc.
7595 Technology Way, Suite 200
Denver, CO 80237
tim.volz@aecom.com

AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETING

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ERIC WECK, ENGINEERING MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____



AWARD OF ON-CALL GENERAL ENGINEERING SERVICES CONTRACT AMENDMENT NO. 1 FOR THE PREPARATION OF A WATER SUPPLY ASSESSMENT AND WATER SUPPLY VERIFICATION FOR PROJECT VIENTO DEVELOPMENT

STAFF RECOMMENDATION

Authorize the General Manager to execute contract amendment No. 1 with TKE Engineering, Inc. for the preparation of a Water Supply Assessment and Water Supply Verification for Project Viento Development. This will increase the contract amount \$21,040.00, from \$250,000.00 to a new contract total of \$271,040.00.

SUMMARY

Senate Bill 610 requires the preparation of a Water Supply Assessment (WSA) for development projects subject to the California Environmental Quality Act (CEQA) and defined as “Projects” in the State Water Code. Likewise, Senate Bill 221 requires the preparation of a Water Supply Verification (WSV).

The Viento Project (Project) located on the north side of 20th Avenue, west of the District’s Nancy Wright Regional Wastewater Reclamation Facility, meets the criteria for a WSA/WSV to be prepared. The Developer (Viento) provided a deposit to MSWD that will fund the preparation and staff review of the WSA/WSV. Once prepared, the WSA/WSV will be reviewed by staff, and a future board agenda item will be prepared to accept the WSA/WSV.

ANALYSIS

On January 25, 2024, staff solicited quotes from MSA Consulting, Inc. and TKE Engineering, Inc. to prepare a WSA/WSV for the Project. On the date that proposals were due, staff received one quote from TKE Engineering, Inc. in the amount of \$21,040.00. Funding for the preparation of the WSA/WSV is completely funded by the Developer, and no District monies will be used to prepare or review the WSA/WSV. The Developer deposited \$30,000.00 with the District for the preparation and review of the WSA/WSV.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

There is no fiscal impact on MSWD since the developer has deposited \$47,250.00 into a reimbursable deposit account to cover all staff and consultant costs. This action is consistent with Strategic Plan Smart Goal 2.1-Ensure excellence in regulatory compliance.

ATTACHMENTS

Contract Amendment No. 1 – TKE Engineering, Inc.

FINANCIAL DATA		
Cost Associated with this action:		\$21,040
Current FY cost:		\$21,040
Future FY cost:		\$0
Is it covered in current year budget:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:		NA
All previous contracts including dates, amounts and board approvals are attached or have been made available. N/A		
FUNDING SOURCES		
Source of funds:		Developer
BID/Job#		#11750
Current BID/Job balance		\$32,640.00
Balance remaining if approved:		\$11,600.00

**AMENDMENT TO
Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone (760) 329-6448 - FAX (760) 329-2482**

**TO: TKE Engineering, Inc.
2305 Chicago Ave.
Riverside, CA 92507**

DATE: _____

FIRST AMENDMENT TO CONTRACT AGREEMENT

1. This amendment (the "Amendment") is hereby made by Mission Springs Water District and TKE Engineering, Inc., parties to an agreement for **On-Call Professional General Engineering Services** (the "Agreement"), dated July 1, 2023.
2. In exchange for the promises herein and other good and valuable consideration, the sufficiency of which both parties acknowledged, it is mutually agreed by and between the undersigned contracting parties that the Agreement is amended as follows:

This Amendment will increase the contract not to exceed budget from \$250,000.00 to \$271,040.00 (\$21,040.00 increase).


3. Except as set forth in this Amendment, the Agreement is unchanged and shall continue in full force and effect in accordance with its terms. If there is conflict between this Amendment and the Agreement the terms of this amendment will prevail.

Instructions: Sign and return the originals. Upon acceptance by Mission Springs Water District, an executed copy will be returned for your records. Insert the names of your authorized representative(s) below.

Accepted: _____
Mission Springs Water District

Consultant: _____
TKE Engineering, Inc.
(Business Name)

By: _____
Brian Macy
Title General Manager

By:  _____
Steve Ledbetter
Title Vice President

Other authorized representative(s):
Eric Weck
Engineering Manager

Other authorized representative(s):
Michael Thornton
President

Terry Renner
Senior Vice President

Consultant agrees with the Mission Springs Water District that:

- a. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees, and authorized volunteers against any and all liability from all claims and demands of all persons that arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Consultant's performance or non-performance of the work hereunder and shall not tender such claims to Mission Springs Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out the performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
- c. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.
- d. Consultant will file with Mission Springs Water District, before beginning professional services, a certificate of insurance satisfactory to Mission Springs Water District evidencing professional liability coverage of not less than \$1,000,000 per claim and \$2,000,000 annual aggregate, that coverage shall not be cancelled except with notice to Mission Springs Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalent, or as otherwise approved by Mission Springs Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least five (5) years after the completion of the contract work. Consultant shall purchase a five-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- e. Consultant will file with Mission Springs Water District, before beginning professional services, certificates of insurance (Acord Form 25 or equivalent) satisfactory to Mission Springs Water District evidencing

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01)
2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto)

Limit – The consultant shall maintain limits no less than the following:

General liability - coverage of not less than two million (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for bodily injury, personal injury, and property damage; (\$4,000,000 general and products-completed operations aggregate (if used)).

1. Auto liability - One million dollars \$1,000,000 for bodily injury and property damage each accident limit.

2. Workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable).

Required Provisions –

- The general liability coverage shall give Mission Springs Water District, its directors, officers, employees (collectively the District), and authorized volunteers insured status (via ISO endorsement at least as broad as CG 2010 1185 or both CG 20 10 plus CG 20 37 if a later edition is used) specifically naming the Mission Springs Water District, its directors, officers, employees, or authorized volunteers; or using the language that states "as required by written contract."
 - The general liability coverage is to state or be endorsed (with as broad as ISO endorsement CG 20 01 04 13) to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by Mission Springs Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it".
 - Workers Compensation Insurance – As required by the State of California, with Statutory Limits and Employer's Liability Insurance of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Mission Springs Water District, its elected or appointed officers, officials, agents, authorized volunteers, and employees for losses paid under the terms of this policy which arise from work performed by the named insured for the Mission Springs Water District; but this provision applies regardless of whether or not the Mission Springs Water District has received a waiver of subrogation from the insurer.
 - Consultant shall require and verify that all sub-contractors maintain insurance meeting all requirements stated herein, and Consultant shall ensure that Mission Springs Water District its directors, officers, employees, and authorized volunteers are an additional insured on Commercial General Liability Coverage.
 - Coverage is to be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalent, or as otherwise approved by Mission Springs Water District.
 - The coverage shall contain no special limitations on the scope of protection afforded to Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
 - In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- f. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) to Mission Springs Water District at least ten (10) days prior to the expiration date.
- g. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other Authorized Representative(s)."
- h. Payment, unless otherwise specified on Page 1, is to be within thirty (30) days after acceptance by Mission Springs Water District.
- i. Professional permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state and federal regulations and statutes including but not limited to Cal/OSHA requirements.
- j. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the

- professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by Mission Springs Water District. Consultant's "Authorized Representative(s)" has (have) the authority to execute such written change for Consultant.
- k. Unless otherwise agreed upon in writing, all reports, documents, or other written material, including any documents, images, photographs, video files, or other media created or developed by Consultant as part of the services required hereunder ("Written Products") shall be considered to be "works made for hire", and all Written Products and any and all intellectual property rights arising from their creation, including, but not limited to, all copyrights and all other proprietary rights, shall be and remain the property of Mission Springs Water District without restriction or limitation upon their use, duplication or dissemination by Mission Springs Water District, except as otherwise provided herein. Consultant shall not obtain or attempt to obtain copyright protection as to any of the Written Products.
- l. Consultant hereby assigns to Mission Springs Water District all ownership and any and all intellectual property rights to the Written Products that are not otherwise vested in Mission Springs Water District pursuant to section above.
- m. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to the Consultant by the Mission Springs Water District or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of an Authorized Representative during the term of this Agreement. Consultant's covenant under this section shall survive the termination of this Agreement.
- n. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the Mission Springs Water District or the Authorized Representative. The Consultant shall maintain adequate records on services provided in sufficient detail to permit an evaluation of service. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. At all times during regular business hours, Consultant shall provide access to such books and records to the Authorized Representative or his or her designees and shall give the Authorized Representative or his or her designees the right to examine and audit such books and records and to make transcripts as necessary, and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement.
- o. This Agreement is personal to the Consultant. Any attempt to assign or subcontract any right or obligation hereunder by the Consultant shall be void unless approved in writing in advance by the Authorized Representative. Consultant's services pursuant to this Agreement shall be provided by the representative or directly under the supervision of the representative and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of the Mission Springs Water District, by and through the Authorized Representative.
- p. Consultant shall not maintain, commit, or permit the maintenance or commission of any nuisance in connection with the performance of services under this Agreement.
- q. Consultant agrees to be familiar with and comply with all applicable federal, state, and local conflict of interest laws, including, but not limited to, the Political Reform Act (California Government Code Sections 81000, et seq.) and California Government Code Section 1090. During the term of this Agreement, Consultant shall retain the right to perform similar services for other clients, but Consultant and its officers, employees, associates and subcontractors shall not, without the prior written approval of the Authorized Representative, perform work for another person or entity for whom Consultant is not currently performing work that would require Consultant or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict-of-interest statute.
- r. A waiver by the Mission Springs Water District of any breach of any term, covenant, or condition contained in this Agreement shall not be deemed to be a waiver of any subsequent breach of the same or

Preparation of a Water Supply Assessment/Water Supply Verification for the Project Viento Development Project
TKE Engineering, Inc. Page | 5

- any other term, covenant, or condition contained in this Agreement whether of the same or different character.
- s. The Consultant shall commence, carry on, and complete all required tasks with all practicable dispatch, in a sound, economical, and efficient manner in accordance with all applicable laws and generally accepted industry standards.
- t. No Third-Party Beneficiaries. The Mission Springs Water District shall not be obligated or liable under this Agreement to any party other than the Consultant.
- u. In no event shall the making by the Mission Springs Water District of any payment to the Consultant constitute or be construed as a waiver by the Mission Springs Water District of any breach of covenant, or any default which may then exist, on the part of the Consultant, and the making of any such payment by the Mission Springs Water District while any such breach or default shall exist shall in no way impair or prejudice any right or remedy available to the Mission Springs Water District with regard to such breach or default.
- v. If any legal action is necessary to enforce any provision of this Agreement or for damages by reason of an alleged breach of any provisions of this Agreement, the prevailing Party shall be entitled to receive from the losing Party all costs and expenses in such amount as the courts may determine to be reasonable. In awarding the cost of litigation, the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorneys' and experts' fees paid or incurred in good faith.
- w. In the performance of the work required by this Agreement, Consultant shall abide by and conform with and to any and all applicable laws of the United States and the State of California, and with the local County and Municipal Code, ordinances, regulations and policies.
- x. If any part, term, or provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law of a federal, state, or local government having jurisdiction over this Agreement, the validity of the remaining portions or provisions shall not be affected by such holding.
- y. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be the Superior Court of Riverside County, California.
- z. This Agreement represents the entire Agreement between the Mission Springs Water District and Consultant with respect to the subject matter hereto and supersedes all prior oral or written negotiations, representations, or agreements. No verbal agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the parties to this Agreement and any subsequent successors and assigns. In the event of any inconsistency between the provisions of this Agreement and Consultant's proposal or Quote, and Exhibits hereto, the provisions of this Agreement shall control.
- aa. Precedence of Exhibits. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.
- bb. Consultant will act hereunder as an independent contractor. This agreement shall not and is not intended to constitute Consultant as an agent, servant, or employee of the Mission Springs Water District and shall not and is not intended to create the relationship of partnership, joint venture or association between the Mission Springs Water District and Consultant.
- cc. Each of the signatories herein hereby represents that he or she has the authority to execute the Agreement on behalf of his or her contracting party.

EXHIBIT A

Technical Proposal

Section A: Cover Letter

Section B: Company Overview & Project Approach

Section C: Qualifications

Section D: Project Schedule

Section E: Fee Schedule

Prepared for:



Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Contact: Theresa Murphy, Engineering
Technician II
Phone: (760) 329-6448 ext. 126
E-mail: tmurphy@mswd.org

Prepared by:



TKE Engineering, Inc.
2305 Chicago Avenue
Riverside, CA 92507
Contact: Michael Thornton, P.E., P.L.S., M.S.,
President
Phone: (951) 680-0440
Fax: (951) 680-0490
E-mail: mthornton@tkeengineering.com

February 12, 2024

Theresa Murphy, Engineering Technician II

MISSION SPRINGS WATER DISTRICT

66575 Second Street

Desert Hot Springs, CA 92240

Subject: Water Supply Assessment/Water Supply Verification for the Viento Development Project

Dear Theresa Murphy,

Thank you for the opportunity to present this material outlining TKE Engineering's (TKE) qualifications to provide professional engineering services to Mission Springs Water District (District). Enclosed herein are our qualifications to provide engineering services for developing a Water Supply Assessment (WSA) and Water Supply Verification (WSV) for the Viento Development Project (Project). TKE is a full service, multi-disciplinary consulting firm located at 2305 Chicago Avenue, Riverside, CA 92507. TKE was established in 2000 and over the past 24 years has developed into one of Southern California's leading consulting engineering firms. TKE is highly qualified to perform the services required for successful long-term resource planning. We are enthusiastic about the opportunity to assist the District in bettering its water resource management.

1. Our Team-The District will benefit greatly by continuing the vision, leadership, and dedication to community exhibited by TKE's project team. Our experience in the Coachella Valley region, numerous accomplishments and management skills will help maintain continuity in the planning and management of water resources. In particular, Michael Thornton, our Principal in Charge, has a vast amount of experience with all aspects of water resource planning and management, including the long-term management of the limited water resources within southern California, and more specifically the Coachella Valley. In addition, Steven Ledbetter, our project manager, also has a vast amount of experience with water resource planning and management throughout numerous projects in the Coachella Valley. His excellent project management skills will provide a great benefit to the District, in particular, his experience with water supply and demand analysis, will ensure the precious water resources available to the district are used efficiently providing the maximum value to the public and improve water source reliability. Mr. Ledbetter will be supported by Mr. Renner, project engineer. More detailed information about each member of our project team is presented in our proposal. After reading our proposal, we are sure you will be pleased with the amount of specialized experience our team brings to this project.

2. Our Experience and Qualifications-TKE is a full-service, multi-disciplinary firm that has a comprehensive knowledge of the Coachella Valley Integrated Regional Water Management Plan, Urban Water Management Plans, Mission Creek and Garnet Hill Water and WSA/WSV requirements and does not require the services of a subconsultant. As described in our proposal, TKE has a vast amount of water resource planning experience, having been involved in water resource planning and management throughout the Coachella Valley over the past 13 years. TKE's broad range of successful services includes turnkey program and project management and delivery for a diverse array of water resources projects. The District benefits from our broad range of experience through our intimate understanding of the Coachella Valley and our past history of successfully overcoming water supply challenges.

3. Our Commitment-TKE is committed to assisting the District in achieving its mission of providing, protecting, and preserving our most valuable resource – water. To deliver comprehensive water resource planning, the District

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Mission Springs Water District



desires to partner with consultants to develop planning documents that meet the requirements set forth by the Department of Water Resources, meet the needs of the Project and the District's service area, and provide recommendations on meeting those requirements and needs. TKE is committed to completing all design service tasks working closely with the District's team. To begin to demonstrate this commitment, TKE researched guidance documents and available records prior to proposal preparation. TKE has completed similar plans and is highly qualified to provide all of the services that the District will require for successful WSA/WSV completion.

Prior to beginning any services, TKE's Project Manager will meet to discuss plan requirements and scheduling needs. Our Project Manager will be in contact with District staff to ensure all needs are met within the allotted schedule and are within their allocated budgets. It is this personal touch and contact that define our "local service" approach. We consider ourselves community builders and take ownership of projects assigned to TKE, ensuring that our personnel will be allocated on an as needed basis in order to complete all projects on schedule and on budget.

Our broad array of services and in-house team provides the District a trusted consultant to turn to in any challenge, no matter how simple or complex. We pride ourselves in the management and completion of special, atypical projects and thrive on challenging budgets and deadlines. It is this commitment to service and diverse array of offerings that makes us unique and drives our long-standing relationship with our client base and it is these qualities and that make us "the right fit" for the District.

4. Our Value-TKE's management team and staff are fundamentally committed to creating value in each task that we perform. As such, we have created a professional culture wherein each member of our staff constantly strives for increased efficiency, ultimately allowing us to provide highly professional services at competitive rates. This culture of constant value creation and increased efficiencies ensures that the services contracted to and provided by TKE will always mean good stewardship of public resources.

Thank you for your consideration. TKE very much appreciates the opportunity to submit a comprehensive proposal to provide engineering design services for development of the DHS 109 Development Project WSA/WSV. If you have any questions, please call me at (951) 680-0440 or e-mail me at mthornton@tkeengineering.com.

Sincerely,



Michael P. Thornton, P.E., P.L.S., M.S.
President
TKE Engineering, Inc.



SECTION B | COMPANY OVERVIEW & PROJECT APPROACH

1. FIRM BACKGROUND

TKE Engineering, Inc. (TKE) is a full-service, local, multi-disciplinary firm with a wide range of experience in public improvement projects. TKE employs a team of 51 engineers, surveyors, inspectors, drafters, and administration support staff. More than 90 percent of TKE's core staff has been with us for ten years or more, creating an extremely cohesive team. TKE is a corporation founded in 2000, and in the last 24 years it has developed into one of Southern California's premier full service consulting engineering firms. TKE was established with the goal of providing exceptional service for municipal projects in order to benefit our community. As a result of the focus of a firm on this mission, TKE has earned a reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work. We are a highly motivated, dynamic firm with the goal of being your preferred consultant.

Our broad range of successful services includes water resources engineering, turnkey design, program and project management, construction management, inspection, and delivery for a diverse array of public projects. Mission Springs Water District (District) will benefit from our broad range of experience through our intimate understanding of water resources in the Coachella Valley and our past history of successfully planning and managing these resources. In addition, TKE extensive experience in the Coachella Valley includes participation in development of a Water Management Plan for the Mission Creek, Garnet Hill and Upper Whitewater Subbasins together with development of the Coachella Valley Integrated Regional Water Management Plan (including the original version both updates). Further TKE completed the WSA/WSV for the Vista Rosa Development in the City of Desert Hot Springs. As such TKE has developed a comprehensive understanding of water resources in the Coachella Valley including natural recharge, subsurface flows from adjacent groundwater basins, deep percolation of applied water (return flows), and

artificial recharge. Furthermore, TKE experience includes extensive experience related to groundwater quality issues in the basin and effective strategies to manage the water quality. Finally, TKE continues to assist other Coachella Valley agencies with demand and growth projections.

TKE has also prepared numerous urban water management plans, water supply assessments (WSA), and water supply verifications (WSV). This past experience together with our research of current requirements allows TKE the abilities to provide the District a comprehensive and cost effect WSA/WSV for the DHS 109 Development Project.

The following is a listing of relative services provided by TKE:

CIVIL ENGINEERING

TKE's Civil Engineering projects have included:

- △ Urban Water Management Plans
- △ Water Supply Assessments / Water Supply Verifications
- △ Water Resource Studies
- △ Master Plans
- △ Rate Studies
- △ Infrastructure Master Planning/Capital Improvement Program (CIPs) development and management
- △ Hydrologic Studies/Hydraulic Design
- △ Potable and Recycled Water Infrastructure Funding, Planning, Design, Bidding and Construction
- △ Sanitary Sewer Infrastructure Funding, Planning, Design, Bidding and Construction
- △ Sewer and Water System Hydraulic Analysis
- △ Storm Water Pollution Prevention Plans (SWPPP)
- △ Sediment and Erosion Control Facilities
- △ Hydromodification Studies/Water Quality Management Plans (WQMPs)

2. PROJECT APPROACH

Successful plan delivery is our goal. Our definition of successful plan delivery is:

- △ Plan completion that meets all Water Code and DWR requirements
- △ Plan completion within budget



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△ Plan completion on schedule

Our goal is not limited to the development of the plan only, but includes the incorporation of value engineering and feasibility review. Through the examination of project specific water conservation measures, we will identify that adequate water conservation measures are being implemented and will provide for the greatest opportunity for efficient use of local resources, which allows us to consistently deliver plans that use public resources in a very wise and responsible manner. We have developed this planning approach in order to maintain an expertise in our core business of planning with tight budgetary constraints.

Our approach to your plan, recognizing that both schedule and budget are of primary concern, dictates that plan development decisions must be made quickly but carefully. When this is coupled with the various constraints present with any planning effort, it is critical that the District choose a consultant with a proven track record of delivering. With a familiar team of senior level planning, design, and construction professionals, TKE is the right choice for this project.

With plans of this nature, our experience tells us that there must be a proactive approach to completing the work. This approach includes early identification of critical water supply elements, experience with common challenges, and adhering regulatory requirements throughout the entire process. In preparing this plan, our team spent numerous hours reviewing available records and the RFP to establish key issues so we can be prepared to mobilize on a moment's notice to assist you.

CRITICAL ISSUES

Experience with Common Challenges

Water Code Changes

TKE's extensive experience with previous WSA/WSV's will provided a vast knowledge of seemingly simple but often overlooked legislative details regarding compliance. TKE is extremely familiar with the current WSA/WSV legislative requirements and recently passed updates related to urban water management plans that have a direct impact on developing the WSA/WSV. TKE will ensure the WSA/WSV remains consistent with the District's 2015 Urban Water Management Plan.

Verifying Growth Projections

One of the critical issues with WSA/WSV is determining whether the proposed project's water demand was

accounted for in the most recent urban water management plan. With the urban water management plan serving as the framework for the WSA/WSV, verifying this link between the documents is key if the project were to ever be challenged under CEQA or otherwise.

Timely Completion

TKE is familiar with the water code requirements for a 90 day turn around, and will ensure the final plan is completed in the required time frame.

QUALITY ASSURANCE/QUALITY CONTROL

TKE takes pride in our reputation for thoroughness, rapid turnaround, cost efficiency and overall quality of work, and believes that a high level of quality is needed on all planning and PS&E packages. High quality planning and design yields the following tangible results:

- △ Path to accommodate for growth
- △ Realistic Planning Numbers
- △ Ease of oversight
- △ Smoother processing
- △ Healthy number of bidders
- △ Consistent bids
- △ Minimized construction support cost
- △ Absence of design-related change orders
- △ Reduced claims and dispute resolution costs

TKE believes that the most successful quality assurance program is one that is applied inherently throughout the entire planning and design process and all design activities. This program requires not only formal procedures for checking, but encourages the conscientious effort of experienced people to always "create quality" in every task performed throughout the planning and design process.

This program has become a natural element in all aspects of TKE's planning, design, and management activities, and will guide our work on this contract:

- △ Staff training and development
- △ Assignment of experienced staff
- △ Continuity of staffing
- △ Project-specific work plan
- △ Schedule compliance
- △ Comprehensive field review and compilation of site data



- △ Established design procedures
- △ Established detailing standards
- △ Established checking procedures, including independent in-house QA/QC review
- △ Dual (independent) quantity estimates
- △ Review by Constructability expert

This Quality Assurance/Quality Control program is in place to ensure that planning and PS&E documents prepared by TKE continue to exceed the standards of our clients and that we will deliver the project on schedule and within budget

SECTION C | QUALIFICATIONS

I. PROJECT TEAM



Michael Thornton, P.E., P.L.S.,
M.S.

Principal in Charge

P.E. No. 44226

P.L.S. No. 6867

Mr. Thornton, TKE's President, is in charge of all TKE projects. He has over 34 years of experience in engineering planning, design, land surveying and construction management for public works projects. He has worked on a variety of public works engineering projects including sewer improvements, street improvements, park improvements, bike trail improvements, drainage improvements, and reclaimed water system improvements projects. Mr. Thornton is responsible for managing including funding administration, planning, evaluating, and designing these projects and has provided construction engineering and surveying services for many of these same projects assurance and quality control on all documents.



Steven W. Ledbetter, P.E.

Project Manager

P.E. No. 84044

Mr. Ledbetter has over 21 years of professional experience in the civil engineering industry. He has handled various critical and challenging projects from planning through design and implementation; all while ensuring that projects are executed as per specification in the stipulated time with quality. He has a well-rounded background with experience in: preparation and analysis of street and utility improvement plans and specifications including potable and non-potable water, wastewater, and drainage; utility master planning including computer modeling, analysis, and report preparation; water resource planning and management including feasibility studies, urban water management planning, water supply assessments and verifications, integrated regional water management planning, and groundwater management

planning; storm water compliance reporting including water quality management plans and storm water pollution prevention plans and; and grant writing and administration for various State and Federal agency programs



Terry Renner, P.E., P.L.S.,
Q.S.D.

Project Engineer

P.E. No. 69984

P.L.S. No. 9762

Q.S.D No. 24329

Mr. Renner is the Senior Vice President of TKE and the Project Engineer. He has over 24 years experience in civil engineering infrastructure projects, including water and sewer improvements, transportation improvements, drainage improvements, facilities improvements and recreation improvements. He has managed numerous projects and has delivered projects for the water departments of the District, RCSD, SAWCO, and SBMWD, the Counties of Riverside and San Bernardino as well as the cities of Fontana, Rialto, Upland, Riverside, Redlands, El Monte, Moreno Valley, Colton and Corona. As a project manager, Mr. Renner has been responsible for survey and design production, supervising a staff of surveyors, engineers and drafters, coordinating work between the production team and the client, and for submitting all deliverables in a timely manner. He has successfully delivered a wide variety of complex and challenging projects and is dedicated to ensuring that the plans produced by TKE continue to exceed industry standards.

2. QUALIFICATIONS & EXPERIENCE

TKE has extensive experience with an excellent reputation in both the development of resource planning documents and master planning documents. Throughout our history of 19 years serving Southern California, we have provided engineering design and management support services for areas throughout the Inland Empire and Coachella Valley. We have successfully completed complex and challenging planning documents for a variety of municipal agencies who have continued to request that we partner with them in delivering much needed planning tools to their communities.



Water Supply Assessment/Water Supply Verification for the Viento Development Project

Mission Springs Water District



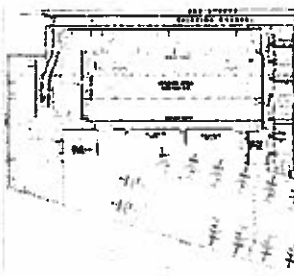
Our water resource planning experience has included the full services of technical analysis, including growth and demand projections, supply reliability analysis, analysis of water conservation measures and programs, and coordination with other regional and local water purveyors necessary for the completion of challenging water resource planning documents.

We are sure that the successful results of our past performance in the delivery of water resource planning documents, along with our firm's proven ability to utilize our experience for a complete and well-engineered approach to resource management, will provide a valuable resource to the District. Project experience has been provided on the following pages.

3. REFERENCES

AGENCY	CONTACT NAME	PHONE NUMBER/ EMAIL ADDRESS	DATES SERVICES PROVIDED (FROM/THROUGH)
Mission Springs Water District 66575 2nd Street Desert Hot Springs, CA 92240	Mr. Brian Macy <i>General Manager</i>	(760) 329-5169 bmacy@mswd.org	2001 – Present
City of San Bernardino Municipal Water Department 1350 S. E Street San Bernardino, CA 92408	Mr. Ted Brunson <i>Development Services Manager</i>	(909) 453-6165 ted.brunson@sbmwd.org	2003 – Present
Rubidoux Community Services District 3590 Rubidoux Blvd. Rubidoux, CA 92509	Mr. Brian R. Laddusaw <i>General Manager</i>	(951) 684-7580 bladdusaw@rcsd.org	2001 – Present
Lake Arrowhead Community Service District 27307 CA-189 Blue Jay, CA 92317	Ms. Catherine Cerri <i>General Manager</i>	(760) 947-1025 ccerri@lakearrowheadcsd.com	2016 – Present
City of Needles 817 3rd Street Needles, CA 92363	Patrick Martinez <i>City Manager</i>	(909) 326-5740 pmartinez@cityofneedles.com	2021 – Present
Rancho California Water District 42135 Winchester Rd Temecula, CA 92589	Randy Neff <i>Principal Engineer</i>	(951) 296-6900 neffr@ranchowater.com	2021 – Present

4 REFERENCES



Eastgate Building No. 1 Water Supply Assessment

San Bernardino, CA

Client Contact
 Mr. Ted Brunson
 San Bernardino Municipal Water
 Department
 (909) 453-6165
 Ted.Brunson@sbrmwd.org

Project Cost
 N/A

Completion Date
 December 2018

Project Team
 Steven W. Ledbetter, P.E.
 Terry Renner, P.E., Q.S.D

Description: The proposed Eastgate Building No. 1 development project includes 658,500 square feet of Industrial floor space on approximately 97.48 acres of land. The development will consist of a warehouse building for air cargo use located at San Bernardino International Airport. The development has an estimated water demand of 223 acre-feet per year. In accordance with SB 610, TKE provided an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years.

Services: Services included records research, Project specific water demand analysis, SBMWD service area water supply and demand analysis, and report preparation.



Vista Rosa Water Supply Assessment and Water Supply Verification

Desert Hot Springs, CA

Client Contact
 Mr. Danny Friend
 Mission Springs Water District
 (760) 329-5169 x149
 dfriend@mswd.org

Project Cost
 N/A

Completion Date
 June 2017

Project Team
 Michael P. Thornton, P.E., P.L.S.
 Terry Renner, P.E., Q.S.D.
 Steven W. Ledbetter, P.E.

Description: The proposed Vista Rosa development includes 1,251 dwelling units of medium density residential and 46 acres of park area on 176 acres of vacant land within the northwestern portion of the City of Desert Hot Springs with an estimated water demand of 1,397 acre-feet per year. In accordance with SB 610, TKE provided an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years. Additionally, in accordance with SB 221, TKE provided verification that adequate water supplies exist to serve the project.

Services: Services included records research, Project specific water demand analysis, District wide water supply and demand analysis, report preparation, and community meetings.





Vista Del Agua Water Supply Assessment

United Engineering Group / City of Coachella, CA

Client Contact
Mr. Beau D. Cooper
United Engineering Group
(909)466-9240
bcooper@unitedeng.com

Project Cost
N/A

Completion Date
Ongoing

Project Team
Steven W. Ledbetter, P.E.

Description: The proposed Vista Del Agua development includes 1,640 single family and multi-family residential units on 275 acres of vacant land within the northern sections of the City of Coachella with an estimated water demand of 1,317 acre-feet per year. In accordance with SB 610, TKE provided an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years.

Services: Services Included records research, Project specific water demand analysis, City wide water supply and demand analysis, report preparation, and community meetings.



2015 Urban Water Management Plan Update

City of Coachella, CA

Client Contact
Mr. Scott L. Rogers, P.E.
City of Coachella
(760) 501-8112
srogers@coachella.org

Project Cost
N/A

Completion Date
July 2016

Project Team
Michael P. Thornton, P.E., P.L.S.
Steven W. Ledbetter, P.E.

Description: TKE prepared an update to the City's 2010 Urban Water Management Plan to serve as a long term water resource planning guide for the City, analyzing supply and demand, identifying any potential deficiencies in supplying water to the City over the next 25 years, preparing water management solutions, and allowing the City to quickly and efficiently respond to water shortages in accordance with State requirements. TKE's experience in water resource management allowed us to effectively incorporate all changes to the water code since the last UWMP update into the report (e.g. detailed analysis on water loss and population projection).

Services: Services Included records research and data review, analysis of population and growth rates, analysis of water demand, analysis of Climate Change Impacts on demand, analysis of water conservation, compliance with interim conservation target and progression toward 2020 conservation target, analysis of water supply reliability, analysis and recommendations on water shortage contingency planning, analysis of effectiveness of demand management measures, public outreach assistance, and community meetings.



Canyon Creek Resort Water Supply Assessment

Norco, CA

Client Contact
 Mr. Rick Hoffman
 Lansing Companies
 (951) 505-4595
 hoffmanconsult@verizon.net

Project Cost
 N/A

Completion Date
 Ongoing

Project Team
 Steven W. Ledbetter, P.E.

Description: The proposed Canyon Creek Resort development includes 551 dwelling units of low and medium density residential, hotel lodging, and 213 acres of open space within the eastern portion of the City of Norco. The development has an estimated water demand of 448 acre-feet per year. In accordance with SB 610, TKE provided an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years.

Services: Services included records research, Project specific water demand analysis, District wide water supply and demand analysis, report preparation, and community meetings.



Diamond Bar General Plan Update

City of Diamond Bar, CA

Client Contact
 Mr. Rajeev Bhatia
 Dyett & Bhatia
 (415) 956-4300
 rajeev@dyettandbhatia.com

Project Cost
 N/A

Completion Date
 On-Going

Project Team
 Michael P. Thornton, P.E.,
 P.L.S.
 Steven W. Ledbetter, P.E.

Description: TKE teamed up with Dyett & Bhatia to prepare the City of Diamond Bar's General Plan Update. TKE prepared an analysis of existing utility systems (water, wastewater, and stormdrain) identifying existing system characteristics and condition, and recommended repairs identified in the City's CIP and/or master plans. Additionally, TKE prepared an alternatives evaluation including a qualitative assessment of the utility infrastructure serving the City and how it meets future demands related to growth projection and proposed land use changes for the alternatives. Lastly, TKE prepared the Environmental Impact Report (EIR) sections for Hydrology, Water Quality, and Utilities. Each EIR section included a review existing information, description of relevant federal, state, and local regulations and agencies, an evaluation and description of potential impacts of the General Plan (e.g. new development and growth in the City).

Services: Services included records research, existing system analysis, report preparation, alternatives analysis, and community meetings.

5. RESUMES



Mr. Michael Thornton, P.E., L.S., M.S.

Project Role Principal-In-Charge

Mr. Thornton, TKE's President, is in charge of all TKE projects. He has over 34 years of experience in engineering planning, design, land surveying and construction management for public works projects. He has worked on a variety of public works engineering projects including street improvements, park improvements, bike trail improvements, drainage improvements, and reclaimed water system improvements projects. Mr. Thornton has been responsible for managing including funding administration, planning, evaluating, and designing these projects and has provided construction engineering and surveying services for many of these same projects.

Education

MS, Civil Engineering,
California State
University, Long Beach

BS, Civil Engineering,
California State
Polytechnic University,
Pomona

Registration

Registered Civil
Engineer, PE 44226
(CA)

Professional Land
Surveyor, LS 6867 (CA)

Affiliations

Riverside-San
Bernardino Counties
Branch, American
Society of Civil
Engineers

American Water Works
Association

California Rural Water
Association

Related Experience

- *Mission Creek and Garnet Hill Water Management Plan, Mission Springs Water District* – Mr. Thornton represented Mission Springs Water District (District) at technical coordination meetings during development of the Water Management Plan (WMP). His responsibilities included representing the District at the meetings, review of technical memorandums and other project deliverables, review of modeling results, preparation of reports and presentation for incorporation in the final report, review and comments to the final report. In addition, he provided numerous presentations to the District's board of directors during plan development as well as during the plan adoption.
- *Coachella Valley Regional Water Management Group (CVRWVG) –* Mr. Thornton to represented Mission Springs Water District (District) at technical coordination meetings from 2009 to 2016. His responsibilities included representing the District at the meetings, review of technical memorandums and other project deliverables, assistance with grant funding applications, and presentations to the District's board of directors. While representing the District at these meetings, Mr. Thornton was responsible for review of the Coachella Valley Integrated Regional Water Management Plan update.
- *2035 General Plan Update Water Supply Assessment, City of Coachella, CA* – The proposed 2035 General Plan Update aids the City in establishing its new identity, an identity that will be realized during the next growth cycle. The 2035 General Plan Update is the community's statement of the community's values and its vision for its future. As part of that vision, a CEQA environmental review is prepared to evaluate impacts related to future growth outlined in the General Plan. Mr. Thornton was the Principal-in-Charge and was responsible for directing staff in preparing a water supply assessment for inclusion as part of the General Plan Update CEQA. In accordance with SB 610, TKE provided an assessment of water supplies available to serve all development up to 2035, including

normal, single dry, and multiple dry water years. Services included records research, water supply and demand analysis, report preparation, and community meetings.

- ***La Entrada Water Supply Assessment, City of Coachella, CA*** – The proposed La Entrada development includes 7,800 dwelling units (mixture of high, medium, low and very low density), mixed-use development with up to 1,520,000 square feet of commercial floor area, schools, parks/recreation, and open space, on 2,200 acres of vacant land within the northeastern sections of the City of Coachella with an estimated water demand of 5,400 acre-feet per year. In accordance with SB 610, Mr. Thornton directed staff in preparing an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years.
- ***Vista Del Agua Water Supply Assessment, United Engineering Group, City of Coachella, CA*** - The proposed Vista Del Agua development includes 1,640 single family and multi-family residential units on 275 acres of vacant land within the northern sections of the City of Coachella with an estimated water demand of 1,317 acre-feet per year. As project manager, Mr. Thornton directed staff in preparing an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years, while ensuring compliance with SB 610. Services included records research, Project specific water demand analysis, City wide water supply and demand analysis, report preparation, and community meetings.
- ***2010 and 2015 Urban Water Management Plan Update, City of Coachella, CA*** - Mr. Thornton directed staff in preparing the long-term resource planning documents for the City to analyze the adequacy of the City to meet the demand needs, both existing and future, of various customer categories over a 20-year planning period, including normal, single dry, and multiple dry water years, consistent with California Water Code Section 10610 through 10656 and SBX7-7. Reports included system descriptions, demand analysis, system supplies, supply reliability and shortage analysis, demand management measures, and demand reduction analysis (20% by 2020). In addition, the 2015 update include tracking progress toward meeting target water demands.



Mr. Steven Ledbetter, P.E.

Project Role Project Manager

Mr. Ledbetter has over 21 years of professional experience in the civil engineering industry. He has been a part of the TKE Engineering's project team since 2003. He has handled various critical and challenging projects from planning through design and implementation; all while ensuring that projects are executed as per specification in the stipulated time with quality. He has a well-rounded background with experience in: preparation and analysis of street and utility improvement plans and specifications including potable and non-potable water, wastewater, and drainage; utility master planning including computer modeling, analysis, and report preparation; water supply planning including feasibility studies, urban water management plans, water supply assessments and verifications; storm water compliance reporting including water quality management plans and storm water pollution prevention plans and; and grant writing for various State and Federal agencies.

Education

BS, Civil Engineering
(Environmental),
California State
Polytechnic University,
Pomona

Registration

Registered Civil
Engineer,
PE 84044 (CA)

Affiliations

Riverside-San
Bernardino Counties
Branch, American
Society of Civil
Engineers

Certifications

Certificate (2010),
Caltrans 24 Hour
Training for Water
Pollution
Control Managers

Related Experience

- *Mission Springs Water District, Desert Hot Springs, CA* - Mr. Ledbetter is currently serving Mission Springs Water District as its District Engineer. He is working with staff to manage more than \$30 million in water and wastewater improvement projects. In addition, Mr. Ledbetter supports the District in several regional water resource planning elements, including Integrated Regional Water Management and Sustainable Groundwater Management. Services include budget development and management, technical analysis, capital project planning and delivery, management of other consultants, and presentations to their board of directors.
- *Vista Rosa Water Supply Assessment and Water Supply Verification, Mission Springs Water District, City of Desert Hot Springs, CA* - The proposed Vista Rosa development includes 1,251 single family residential units on 176 acres of vacant land located in the northwest portion of the City of Desert Hot Springs with an estimated water demand of 1,397 acre-feet per year. As project manager, Mr. Ledbetter prepared an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years, while ensuring compliance with SB 610. In addition, Mr. Ledbetter prepared a verification of water supply sufficiency to serve the development in accordance with SB 221. Services included records research, Project specific water demand analysis, City wide water supply and demand analysis, and report preparation.
- *Vista Del Agua Water Supply Assessment, United Engineering Group, City of Coachella, CA* - The proposed Vista Del Agua development includes 1,640 single family and multi-family

residential units on 275 acres of vacant land within the northern sections of the City of Coachella with an estimated water demand of 1,317 acre-feet per year. As project manager, Mr. Ledbetter prepared an assessment of water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years, while ensuring compliance with SB 610. Services included records research, Project specific water demand analysis, City wide water supply and demand analysis, report preparation, and community meetings.

- *Eastgate Building No. 1 Water Supply Assessment, San Bernardino, CA* - The proposed Eastgate Building No. 1 development project includes 658,500 square feet of industrial floor space on approximately 97.48 acres of land. The development will consist of a warehouse building for air cargo use located at San Bernardino International Airport. The development has an estimated water demand of 223 acre-feet per year. As project manager, Mr. Ledbetter is providing an assessment of the water supplies available to serve the development over a 20-year period, including normal, single dry, and multiple dry water years.
- *Diamond Bar General Plan Update Infrastructure Analysis, City of Diamond Bar, CA* - The City is in the process of updating their General Plan to aid in establishing its new identity, an identity that will be realized during the next growth cycle of 20-years. The General Plan update is the community's statement of the its values and vision for the future. As part of that vision, TKE prepared a comprehensive infrastructure assessment. TKE is evaluating the adequacy and capability of the backbone infrastructure that is located within or is of benefit to the City's economic development target area, and recommending appropriate regulatory and/or infrastructure improvements that would eliminate any infrastructure deficiencies identified. Mr. Ledbetter is serving as project manager for the infrastructure analysis efforts.
- *2010 and 2015 Urban Water Management Plan Update, City of Coachella, CA* - Mr. Ledbetter prepared the long-term resource planning documents for the City to analyze the adequacy of the City to meet the demand needs, both existing and future, of various customer categories over a 20-year planning period, including normal, single dry, and multiple dry water years, consistent with California Water Code Section 10610 through 10656 and SBX7-7. Reports included system descriptions, demand analysis, system supplies, supply reliability and shortage analysis, demand management measures, and demand reduction analysis (20% by 2020). In addition, the 2015 update include tracking progress toward meeting target water demands.



Mr. Terry Renner, P.E., Q.S.D.

Project Role Project Engineer

Mr. Renner is the Vice President of TKE and has 24 years of experience in civil engineering infrastructure projects, including drainage improvements, sewer and water improvements, transportation improvements, facilities improvements and recreation improvements. He has managed numerous projects and has delivered projects for the City of Moreno Valley as well as the cities of Fontana, Upland, Riverside, Redlands, Rialto, Callmesa, El Monte and Corona. As a project manager, Mr. Renner has been responsible for design production, supervising a staff of engineers and drafters, coordinating work between the production team and the client, and for submitting all deliverables in a timely manner. He has successfully delivered a wide variety of complex and challenging projects and is dedicated to ensuring that the plans produced by TKE continue to exceed industry standards.

Education

BS, Civil Engineering,
California State
Polytechnic University,
Pomona

Continuing Education

Caltrans SWPPP
Certified QSP/QSD
Training

Registration

Registered Civil
Engineer,
PE 69984 (CA)

Qualified SWPPP
Developer and
Practitioner #24329

Affiliations

Riverside-San
Bernardino Counties
Branch, American
Society of Civil
Engineers

American Public Works
Association

American Council of
Engineering Companies
of California

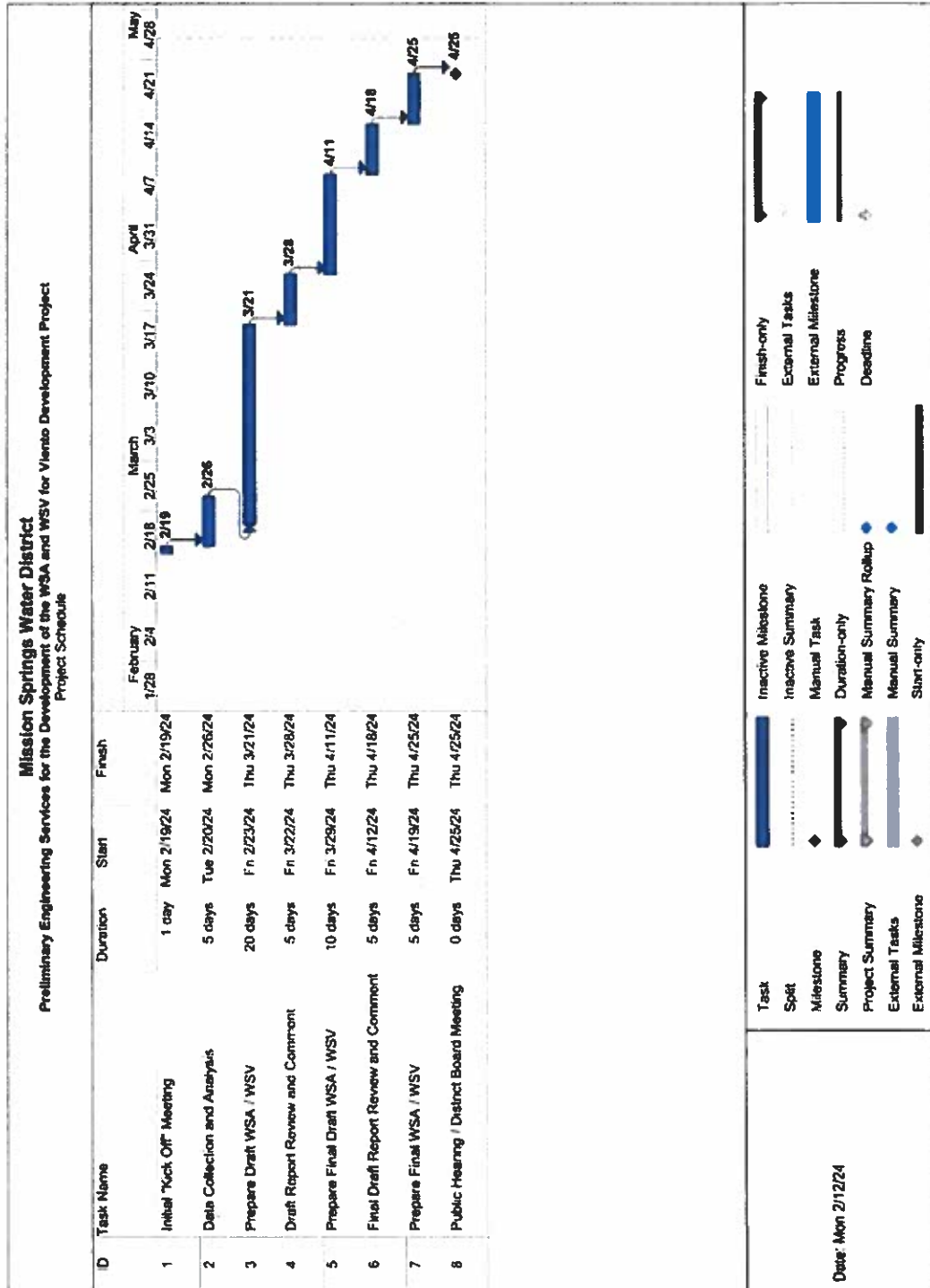
Related Experience

- *1158 Zone Recycled Water Program, City of Fontana, CA* - Mr. Renner was the Project Manager and Design Engineer for this project, which TKE prepared preliminary engineering report, utility permitting, plans, specifications, and estimates for the construction of approximately 50,000 linear feet of recycled water mains ranging from 6" to 24" in diameter. The project included San Bernardino County Flood Control District bridge crossings, DWR pipeline crossings and Southern California Edison easement crossings. TKE prepared a preliminary engineering report that identified potential users, projected use amounts alignment alternatives to provide service, environmental impacts and service retrofits. TKE also assisted with a funding application and processing of the application with the State of California State Water Resource Control Board.
- *1720 Zone West Transmission Main Pipeline - City of San Bernardino, CA* - Mr. Renner was Project Manager for this project which consisted of the construction of 14,500' of 36" cement mortar lined and coated steel pipe, Metropolitan Water District and San Gabriel Valley Water district encroachment permits, San Bernardino County Flood Control District, US Army Corp of Engineers, and Department of Fish and Game permitting for pipeline bore and jack crossing of Devil's Creek Diversion Channel/Cable Creek, BNSF permitting for bore and jack crossing of railroad at Palm Avenue, and coordination with other agencies for tie-ins to the proposed reservoir site.
- *Baseline Gardens Consolidation Project, East Valley Water District, San Bernardino, CA* - Mr. Renner provided project and construction management services for the Baseline Gardens Consolidation Project which is located in the City and Unincorporated Area of San Bernardino County north of Baseline Road. Proposed improvements provided replacement of all existing water main, service laterals and meters and appurtenances for the previously owned Baseline Gardens Mutual Water system which was consolidated by East Valley Water District with State grant funding. TKE provided construction management and inspection services for approximately 18,000

linear feet of water system replacement improvements and 480 service laterals including, pipeline, valves, fire hydrants, meters and appurtenances.

- *Dos Palmas Waterline Replacement, Desert Hot Springs, CA* - Mr. Renner managed the Dos Palmas Water Replacement Project is located in the City of Desert Hot Springs north of Dillon Road. TKE provided aerial target layouts with aerial mapping provided by Aerotech Surveys for construction document preparation for approximately 36,100 linear feet of water system replacement improvements including, pipeline, valves, fire hydrants, meters and appurtenances. Proposed improvements provided replacement for leaky pipelines and services with State grant funding. TKE also prepared legal descriptions, right-of-way acquisition plats, temporary construction easement plats and grant and easement deeds for 5 separate parcels. TKE prepared a successful grant application through the Department of Water Resources providing \$5 million dollars to Mission Springs Water District.
- *Jurupa Street Recycled Water Main Project, Ontario Municipal Utilities Company, City of Ontario, CA* - Mr. Renner was the Project Manager and Design Engineer for this project, which TKE prepared design, utility coordination, utility verification, plans, specifications, estimates and coordination with local businesses for the construction of approximately 4,700 linear feet of 8" recycled water main and related appurtenances. The project constructed an infill recycled water main to connect a previously constructed recycle water main which was currently serving potable water to the existing recycled water system.
- *Mission Boulevard Pipeline, Rubidoux Community Services District, City of Jurupa Valley, CA*- Mr. Renner performed construction administration services for approximately 4,700 linear feet of 24" cement mortar lined and coated steel pipe water main improvements to two separate contractor's performing work simultaneously. The project included restrained joints, system appurtenances, and connections to the existing system and interconnection to Jurupa Community Services District.

SECTION D | PROJECT SCHEDULE



Water Supply Assessment/Water Supply Verification for the Viento Development Project

Mission Springs Water District



SECTION E | FEE SCHEDULE

Mission Springs Water District
Water Supply Assessment/Water Supply Verification for Viento Developmental Project
Consulting Engineering Fee

Task No	Task	Principle In Charge Hours	Principle In Charge \$	Project Manager Hours	Project Manager \$	Project Engineer Hours	Project Engineer \$	Clerical Hours	Clerical \$	Total \$
Scope of Services										
Task 1	Project Meetings, Communications, Presentations	2	\$ 360	12	\$ 2,160	8	\$ 1,360	4	\$ 560	\$ 4,040
Task 2	Data Collection and Analysis	4	\$ 720	12	\$ 2,040	4	\$ 560	4	\$ 1,720	\$ 4,280
Task 3	Drath Water Supply Assessment	1	\$ 2,800	16	\$ 2,880	40	\$ 6,800	2	\$ 180	\$ 10,580
Task 4	Final Water Supply Assessment	2	\$ 360	4	\$ 720	12	\$ 2,040	2	\$ 180	\$ 3,300
		8	\$ 1,440	36	\$ 6,360	72	\$ 12,160	12	\$ 1,080	\$ 21,040
Total Fee: \$										21,040

Rates:
 Principle In Charge \$ 180 /HR
 Project Manager \$ 170 /HR
 Project Engineer \$ 160 /HR
 Clerical \$ 90 /HR

TKE Engineering, Inc.

EXHIBIT B**Term, Early Termination & Notice****Preparation of a Water Supply Assessment/Water Supply Verification
for the Project Viento Development Project****A. Term of Agreement**

This professional services agreement shall be effective upon approval by the parties thereof and shall expire five (5) months from the effective Agreement DATE therein. This contract also terminates and replaces any previous agreements between the District and TKE Engineering, Inc. for Preparation of a Water Supply Assessment/Water Supply Verification for the Project Viento Development Project in force prior to the effective date of this agreement.

B. Early Termination of Agreement

This agreement may be terminated at any time upon a thirty (30) day written Notice from either party, and without fault or claim for damages by either party.

C. Notice

All correspondence and Notices will be sent to the following addresses as noted below for Mission Springs Water District and TKE Engineering, Inc.

OWNER

Attn: Eric Weck
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
eweck@mswd.org

CONSULTANT

Attn: Michael P. Thornton
TKE Engineering, Inc.
2305 Chicago Ave.
Riverside, CA 92507
mthornton@tkeengineering.com

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BUSINESSOWNERS LIABILITY SPECIAL BROADENING ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM

SUMMARY OF COVERAGES	Limits	Page
1. Additional Insured by Contract, Agreement or Permit	Included	1
2. Additional Insured - Broad Form Vendors	Included	2
3. Alienated Premises	Included	3
4. Broad Form Property Damage - Borrowed Equipment, Customers Goods and Use of Elevators	Included	3
5. Incidental Malpractice (Employed Nurses, EMT's and Paramedics)	Included	3
6. Personal and Advertising Injury - Broad Form	Included	4
7. Product Recall Expense	Included	4
Product Recall Expense Each Occurrence Limit	\$25,000 Occurrence	5
Product Recall Expense Aggregate Limit	\$50,000 Aggregate	5
Product Recall Deductible	\$500	5
8. Unintentional Failure to Disclose Hazards	Included	6
9. Unintentional Failure to Notify	Included	6

This endorsement amends coverages provided under the Businessowners Coverage Form through new coverages and broader coverage grants. This coverage is subject to the provisions applicable to the Businessowners Coverage Form, except as provided below.

The following changes are made to **SECTION II - LIABILITY:**

1. Additional Insured by Contract, Agreement or Permit

The following is added to **SECTION II - LIABILITY, C. Who Is An Insured:**

Additional Insured by Contract, Agreement or Permit

a. Any person or organization with whom you agreed in a written contract, written agreement or permit to add such person or organization as an additional insured on your policy is an additional insured only with respect to liability for "bodily injury", "property damage", or "personal and advertising injury" caused, in whole or in part, by your acts or omissions, or the acts or omissions of those acting on your behalf, but only with respect to:

- (1) "Your work" for the additional insured(s) designated in the contract, agreement or permit;

- (2) Premises you own, rent, lease or occupy; or

- (3) Your maintenance, operation or use of equipment leased to you.

b. The insurance afforded to such additional insured described above:

- (1) Only applies to the extent permitted by law; and

- (2) Will not be broader than the insurance which you are required by the contract, agreement or permit to provide for such additional insured.

- (3) Applies on a primary basis if that is required by the written contract, written agreement or permit.

- (4) Will not be broader than coverage provided to any other insured.

- (5) Does not apply if the "bodily injury", "property damage" or "personal and advertising injury" is otherwise excluded from coverage under this Coverage Part, including any endorsements thereto.

- c. This provision does not apply:
- (1) Unless the written contract or written agreement was executed or permit was issued prior to the "bodily injury", "property damage", or "personal injury and advertising injury".
 - (2) To any person or organization included as an insured by another endorsement issued by us and made part of this Coverage Part.
 - (3) To any lessor of equipment:
 - (a) After the equipment lease expires; or
 - (b) If the "bodily injury", "property damage", "personal and advertising injury" arises out of sole negligence of the lessor.
 - (4) To any:
 - (a) Owners or other interests from whom land has been leased if the "occurrence" takes place or the offense is committed after the lease for the land expires; or
 - (b) Managers or lessors of premises if:
 - (i) The "occurrence" takes place or the offense is committed after you cease to be a tenant in that premises; or
 - (ii) The "bodily injury", "property damage", "personal injury" or "advertising injury" arises out of structural alterations, new construction or demolition operations performed by or on behalf of the manager or lessor.
 - (5) To "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or the failure to render any professional services.
 This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" or the offense which caused the "personal and advertising injury" involved the rendering of or failure to render any professional services by or for you.
- d. With respect to the insurance afforded to these additional insureds, the following is added to **SECTION II - LIABILITY, D. Liability and Medical Expense Limits of Insurance** :

The most we will pay on behalf of the additional insured for a covered claim is the lesser of the amount of insurance:

1. Required by the contract, agreement or permit described in Paragraph a.; or
2. Available under the applicable Limits of Insurance shown in the Declarations.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations

e. All other insuring agreements, exclusions, and conditions of the policy apply.

2. Additional Insured - Broad Form Vendors

The following is added to **SECTION II - LIABILITY, C. Who Is An Insured:**

Additional Insured - Broad Form Vendors

- a. Any person or organization that is a vendor with whom you agreed in a written contract or written agreement to include as an additional insured under this Coverage Part is an insured, but only with respect to liability for "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business.
- b. The insurance afforded to such vendor described above:
 - (1) Only applies to the extent permitted by law;
 - (2) Will not be broader than the insurance which you are required by the contract or agreement to provide for such vendor;
 - (3) Will not be broader than coverage provided to any other insured; and
 - (4) Does not apply if the "bodily injury", "property damage" or "personal and advertising injury" is otherwise excluded from coverage under this Coverage Part, including any endorsements thereto
- c. With respect to insurance afforded to such vendors, the following additional exclusions apply:

The insurance afforded to the vendor does not apply to:

 - (1) "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reasons of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the insured would have in the absence of the contract or agreement;
 - (2) Any express warranty unauthorized by you;

- (3) Any physical or chemical change in the product made intentionally by the vendor;
- (4) Repackaging, unless unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instruction from the manufacturer, and then repackaged in the original container;
- (5) Any failure to make such inspection, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business in connection with the sale of the product;
- (6) Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;
- (7) Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor;
- (8) "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:
- (a) The exceptions contained within the exclusion in subparagraphs (4) or (6) above; or
- (b) Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.
- (9) "Bodily injury" or "property damage" arising out of an "occurrence" that took place before you have signed the contract or agreement with the vendor.
- (10) To any person or organization included as an insured by another endorsement issued by us and made part of this Coverage Part.
- (11) Any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.
- d. With respect to the insurance afforded to these vendors, the following is added to **SECTION II - LIABILITY, D. Liability and Medical Expense Limits of Insurance:**
- The most we will pay on behalf of the vendor for a covered claim is the lesser of the amount of insurance:
1. Required by the contract or agreement described in Paragraph a.; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.
- 3. Alienated Premises**
- SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage k. Damage to Property,** paragraph (2) is replaced by the following:
- (2) Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises and occurred from hazards that were known by you, or should have reasonably been known by you, at the time the property was transferred or abandoned.
- 4. Broad Form Property Damage - Borrowed Equipment, Customers Goods, Use of Elevators**
- a. The following is added to **SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage, k. Damage to Property:**
- Paragraph (4) does not apply to "property damage" to borrowed equipment while at a jobsite and not being used to perform operations.
- Paragraph (3), (4) and (6) do not apply to "property damage" to "customers goods" while on your premises nor to the use of elevators.
- b. For the purposes of this endorsement, the following definition is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions:**
1. "Customers goods" means property of your customer on your premises for the purpose of being:
 - a. Worked on; or
 - b. Used in your manufacturing process.
 - c. The insurance afforded under this provision is excess over any other valid and collectible property insurance (including deductible) available to the insured whether primary, excess, contingent or on any other basis.
- 5. Incidental Malpractice - Employed Nurses, EMT's and Paramedics**
- SECTION II - LIABILITY, C. Who Is An Insured,** paragraph 2.a.(1)(d) does not apply to a nurse,

emergency medical technician or paramedic employed by you if you are not engaged in the business or occupation of providing medical, paramedical, surgical, dental, x-ray or nursing services.

6. Personal Injury - Broad Form

a. **SECTION II - LIABILITY, B. Exclusions, 2. Additional Exclusions Applicable only to "Personal and Advertising Injury"**, paragraph e. is deleted.

b. **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions, 14. "Personal and advertising injury"**, paragraph b. is replaced by the following:

b. Malicious prosecution or abuse of process.

c. The following is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions, Definition 14. "Personal and advertising injury"**:

"Discrimination" (unless insurance thereof is prohibited by law) that results in injury to the feelings or reputation of a natural person, but only if such "discrimination" is:

(1) Not done intentionally by or at the direction of:

- (a) The insured;
- (b) Any officer of the corporation, director, stockholder, partner or member of the insured; and

(2) Not directly or indirectly related to an "employee", not to the employment, prospective employment or termination of any person or persons by an insured.

d. For purposes of this endorsement, the following definition is added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions**:

1. "Discrimination" means the unlawful treatment of individuals based upon race, color, ethnic origin, gender, religion, age, or sexual preference. "Discrimination" does not include the unlawful treatment of individuals based upon developmental, physical, cognitive, mental, sensory or emotional impairment or any combination of these.

e. This coverage does not apply if liability coverage for "personal and advertising injury" is excluded either by the provisions of the Coverage Form or any endorsement thereto.

7. Product Recall Expense

a. **SECTION II - LIABILITY, B. Exclusions, 1. Applicable To Business Liability Coverage,**

o. Recall of Products, Work or Impaired Property is replaced by the following:

o. Recall of Products, Work or Impaired Property

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- (1) "Your product";
- (2) "Your work"; or
- (3) "Impaired property";

If such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it, but this exclusion does not apply to "product recall expenses" that you incur for the "covered recall" of "your product".

However, the exception to the exclusion does not apply to "product recall expenses" resulting from:

- (4) Failure of any products to accomplish their intended purpose;
- (5) Breach of warranties of fitness, quality, durability or performance;
- (6) Loss of customer approval, or any cost incurred to regain customer approval;
- (7) Redistribution or replacement of "your product" which has been recalled by like products or substitutes;
- (8) Caprice or whim of the insured;
- (9) A condition likely to cause loss of which any insured knew or had reason to know at the inception of this insurance;
- (10) Asbestos, including loss, damage or clean up resulting from asbestos or asbestos containing materials; or
- (11) Recall of "your products" that have no known or suspected defect solely because a known or suspected defect in another of "your products" has been found.

b. The following is added to **SECTION II - LIABILITY, C. Who Is An Insured, paragraph 3.b.**:

"Product recall expense" arising out of any withdrawal or recall that occurred before you acquired or formed the organization.

- c. The following is added to **SECTION II - LIABILITY, D. Liability and Medical Expenses Limits of Insurance:**

Product Recall Expense Limits of Insurance

- a. The Limits of Insurance shown in the SUMMARY OF COVERAGES of this endorsement and the rules stated below fix the most that we will pay under this Product Recall Expense Coverage regardless of the number of:
- (1) Insureds;
 - (2) "Covered Recalls" initiated; or
 - (3) Number of "your products" withdrawn.
- b. The Product Recall Expense Aggregate Limit is the most that we will reimburse you for the sum of all "product recall expenses" incurred for all "covered recalls" initiated during the policy period.
- c. The Product Recall Each Occurrence Limit is the most we will pay in connection with any one defect or deficiency.
- d. All "product recall expenses" in connection with substantially the same general harmful condition will be deemed to arise out of the same defect or deficiency and considered one "occurrence".
- e. Any amount reimbursed for "product recall expenses" in connection with any one "occurrence" will reduce the amount of the Product Recall Expense Aggregate Limit available for reimbursement of "product recall expenses" in connection with any other defect or deficiency.
- f. If the Product Recall Expense Aggregate Limit has been reduced by reimbursement of "product recall expenses" to an amount that is less than the Product Recall Expense Each Occurrence Limit, the remaining Aggregate Limit is the most that will be available for reimbursement of "product recall expenses" in connection with any other defect or deficiency.
- g. **Product Recall Deductible**
We will only pay for the amount of "product recall expenses" which are in excess of the \$500 Product Recall Deductible. The Product Recall Deductible applies separately to each "covered recall". The limits of insurance will not be reduced by the amount of this deductible.

We may, or will if required by law, pay all or any part of any deductible amount, if applicable. Upon notice of our payment

of a deductible amount, you shall promptly reimburse us for the part of the deductible amount we paid.

The Product Recall Expense Limits of Insurance apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for the purposes of determining the Limits of Insurance.

- d. The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expense General Conditions, 2. Duties in the Event of Occurrence, Offense, Claim or Suit:**

You must see to it that the following are done in the event of an actual or anticipated "covered recall" that may result in "product recall expense":

- (1) Give us prompt notice of any discovery or notification that "your product" must be withdrawn or recalled. Include a description of "your product" and the reason for the withdrawal or recall;
 - (2) Cease any further release, shipment, consignment or any other method of distribution of like or similar products until it has been determined that all such products are free from defects that could be a cause of loss under this insurance.
- e. For the purpose of this endorsement, the following definitions are added to **SECTION II - LIABILITY, F. Liability and Medical Expenses Definitions:**
1. "Covered recall" means a recall made necessary because you or a government body has determined that a known or suspected defect, deficiency, inadequacy, or dangerous condition in "your product" has resulted or will result in "bodily injury" or "property damage".
 2. "Product recall expense(s)" means:
 - a. Necessary and reasonable expenses for:
 - (1) Communications, including radio or television announcements or printed advertisements including stationary, envelopes and postage;



- (2) Shipping the recalled products from any purchaser, distributor or user to the place or places designated by you;
 - (3) Remuneration paid to your regular "employees" for necessary overtime;
 - (4) Hiring additional persons, other than your regular "employees";
 - (5) Expenses incurred by "employees" including transportation and accommodations;
 - (6) Expenses to rent additional warehouse or storage space;
 - (7) Disposal of "your product", but only to the extent that specific methods of destruction other than those employed for trash discarding or disposal are required to avoid "bodily injury" or "property damage" as a result of such disposal,
- you incur exclusively for the purpose of recalling "your product"; and
- b. Your lost profit resulting from such "covered recall".
- f. This Product Recall Expense Coverage does not apply:

- (1) If the "products - completed operations hazard" is excluded from coverage under this Coverage Part including any endorsement thereto; or
- (2) To "product recall expense" arising out of any of "your products" that are otherwise excluded from coverage under this Coverage Part including endorsements thereto.

8. Unintentional Failure to Disclose Hazards

The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expenses General Conditions:**

Representations

We will not disclaim coverage under this Coverage Part if you fail to disclose all hazards existing as of the inception date of the policy provided such failure is not intentional.

9. Unintentional Failure to Notify

The following is added to **SECTION II - LIABILITY, E. Liability and Medical Expenses General Conditions, 2. Duties in the Event of Occurrence, Offense, Claim or Suit:**

Your rights afforded under this Coverage Part shall not be prejudiced if you fail to give us notice of an "occurrence", offense, claim or "suit", solely due to your reasonable and documented belief that the "bodily injury", "property damage" or "personal and advertising injury" is not covered under this Policy.

ALL OTHER TERMS, CONDITIONS, AND EXCLUSIONS REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

BUSINESSOWNERS COVERAGE FORM

SCHEDULE

Name Of Person Or Organization	Location And Description Of Completed Operations
BLANKET- AS REQUIRED BY CONTRACT	ALL LOCATIONS WORK IS BEING PREFORMED

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

For the purpose of coverage provided by this endorsement, the following changes are made to **SECTION II - LIABILITY:**

A. The following is added to SECTION II - LIABILITY, C. Who Is An Insured:

Any person or organization shown in the Schedule above is also an additional insured, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule above, performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or

agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. The following is added to SECTION II - LIABILITY, D. Liability And Medical Expenses Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

ALL OTHER TERMS, CONDITIONS AND EXCLUSIONS REMAIN UNCHANGED.

AGENDA STAFF REPORT



MEETING NAME: REGULAR BOARD MEETINGS

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ERIC WECK, P.E., ENGINEERING MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____

AWARD OF CONTRACT TO CANYON SPRINGS ENTERPRISES FOR WELL 22 REHABILITATION AND CAPITAL BUDGET AUGMENTATION

STAFF RECOMMENDATION

Authorize the General Manager to award a contract for the Well 22 Rehabilitation Project to Canyon Springs Enterprises, the lowest responsible bidder, in the amount of \$1,333,916.00, plus a 10% contingency (total \$1,467,307.60), augment the capital improvement budget amount to \$2,240,000 for Job No. 11611, and to do all things necessary to complete the project.

SUMMARY

MSWD's Well 22 was removed from service due to a failure of the pumping equipment and subsequent water quality concerns. MSWD recently completed the first phase of the rehabilitation, which included the “downhole” rehabilitation. The downhole rehabilitation included brushing, bailing, and chemical treatment of the well casing and filter pack, as well as the replacement of worn pumping equipment. Following the successful completion of the first phase and passing water quality testing, MSWD is moving forward with the second phase. The project, when complete, will restore approximately 1,937 acre-feet per year (AFY) of increased water supply reliability.

ANALYSIS

This phase of work included the removal and replacement of the well discharge piping and appurtenances, elevating the well pedestal above the flood plain, installing new electrical and SCADA equipment, and installing a new chemical building (shed). Improvements to both the well pedestal and electrical equipment will bring the project up to date with the current health and safety code. The project was awarded \$338,787.00 in grant funding under the Department of Water Resources Urban and Multibenefit Drought Relief Grant program.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

The project budget was originally established in 2019 at \$1,560,000 to cover design and construction. After further analysis, design, initial rehabilitation efforts, added soft costs (project and construction management, inspection, labor compliance, and amended CEQA), and considering current construction costs, the project now has an estimated total cost of \$2,230,000, with \$1,467,307.60 required for construction, including contingency. This action is consistent with Strategic Plan Smart Goal 4.3-Maintain and renew assets while facilitating strategic capital improvements.

FINANCIAL DATA	
Cost Associated with this action:	\$1,467,307.60
Current FY cost:	\$525,617.00
Future FY cost:	\$1,714,383.00
Is it covered in current year budget:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
Budget adjustment needed:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
If yes, year needed:	FY 23/24
All previous contracts including dates, amounts and board approvals are attached or have been made available.	
FUNDING SOURCES	
Source of funds:	201-Water
BID/Job#	11611
Current BID/Job balance	\$1,024,103.00
Balance remaining if approved:	\$9,873.00

ATTACHMENTS

- Contract Agreement
- Project Budget Cost Estimate
- Bid Summary

AGREEMENT

THIS AGREEMENT, made this _____ day of _____, 2024, by and between the MISSION SPRINGS WATER DISTRICT hereinafter called "Owner", and **Canyon Springs Enterprises** doing business as _____*, hereinafter called "Contractor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, it is agreed that:

1. The Contractor will commence and complete the **"Construction of the Well 22 Rehabilitation Project"**.
2. The Contractor will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the Project described herein.
3. The Contractor will commence the Work required by the Contract Documents on or before the date specified to commence Work in the Notice to Proceed and will complete the same within **one hundred eighty (180) consecutive calendar days** unless the period for completion is extended otherwise by the Contract Documents.
4. Owner and Contractor have discussed the provisions of Civil Code 1671 and the damages that may be incurred by Owner if the Work is not completed within the time specified in this Agreement. Owner and Contractor hereby represent that at the time of signing this Agreement, it is impracticable and extremely difficult to fix the actual damage that will be incurred by Owner if the Work is not completed within the number of calendar days allowed. Accordingly, Owner and Contractor agree that the sum of \$500 per day is a reasonable sum to assess as damages to Owner by reason of the failure of Contractor to complete the Work within the time specified.
5. The Contractor agrees to perform all of the Work described in the Contract Documents and comply with the terms therein for the sum of **\$1,333,916.00** or as shown in the Bid Schedule; subject to additions and deductions, if any, in accordance with said documents.

* Insert "a corporation", "a partnership", or "an individual", as applicable.

Payment shall not be made more often than once each thirty (30) days. Final payment shall be made thirty-five (35) days subsequent to filing of Notice of Completion. Contractor may upon written request, and at his sole expense after approval by the Board of Directors, deposit substitute securities referenced in Government Code Section 16430, or bank or savings and loan certificates of deposit, as authorized by Public Contract Code Section 22300 in lieu of retention monies withheld to ensure performance.

- 6. The term "Contract Documents" means and includes the following:
 - a. Advertisement for Bids
 - b. Information for Bidders
 - c. Bid
 - d. Bid Bond
 - e. Federal Provisions
 - f. Agreement
 - g. Payment Bond
 - h. Contract Performance Bond
 - i. Notice of Award
 - j. Notice to Proceed
 - k. Change Orders
 - l. General Conditions
 - m. Supplemental General Conditions
 - n. Special Conditions
 - o. Detailed Technical Provisions
 - p. Standard Drawings and Details
 - q. Drawings prepared for Mission Springs Water District
 - r. Addenda:

- No. 1 , dated October 31 , 2023
- No. 2 , dated December 6 , 2023
- No. 3 , dated January 25 , 2024
- No. 4 , dated February 7 , 2024
- No. 5 , dated February 21 , 2024

- 7. The Owner will pay to the Contractor in the manner and at such times as set forth in the General Conditions such amounts as required by the Contract Documents.
- 8. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

CONTRACTORS ARE REQUIRED BY LAW TO BE LICENSED AND REGULATED BY THE CONTRACTORS' STATE LICENSE BOARD. ANY QUESTIONS CONCERNING A CONTRACTOR MAY BE REFERRED TO THE REGISTRAR, CONTRACTORS' STATE LICENSE BOARD, 3132 BRADSHAW ROAD, POST OFFICE BOX 2600, SACRAMENTO, CALIFORNIA 95826.

9. Should any litigation or arbitration be commenced between the parties hereto concerning said project, any provision of this Contract, or the rights and obligations of either in relation thereto, the party, Owner or Contractor, prevailing in such litigation shall be entitled, in addition to such other relief as may be granted, to a reasonable sum as and for his attorney's fees in such litigation, and costs.
10. Pursuant to Section 1770, and following, of the California Labor Code, the successful bidder shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Copies of such prevailing rate of per diem wages are on file at the office of the Owner, which copies shall be made available to any interested party on request. The successful bidder shall post a copy of such determination at each job site.
11. This project is subject to the State of California "Prevailing Wage Rates". This project is subject to the requirements of California Labor Code Section 1720 et seq. requiring the payment of prevailing wages, the training of apprentices and compliance with other applicable requirements. In accordance with provisions of Section 1773 of the Labor Code, the Director of the Department of Industrial Relations has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes applicable to the particular craft, classification, or type of workers employed on the work. The wage determinations shall be included in the bid specifications. All pertinent wage determinations shall be posted on the jobsite.

If federal funding is included in the project, the higher of the State and Federal wage rates shall be used.

Pursuant to SB854, no contractor or subcontractor may work on a public works project unless registered with DIR for contracts awarded on/after April 1, 2015. General Contractors shall ensure all subcontractors executing work under the contract are DIR registered. All public works contractors and subcontractors to furnish Certified Payrolls and related records to the Agency's representative and shall also furnish electronic certified payroll records directly to the Labor Commissioner using the DLSE's online portal.

12. Any sub-tier Contracts resulting from this contract must contain the same contractual language as the original contract.
13. Contractor agrees to and shall indemnify and hold the Owner, its officers, employees and agents free and harmless from all claims, actions, damages and liabilities of whatsoever kind, nature or sort, arising from death, personal injury, property damage or other cause asserted or based upon any negligent act or omission of Contractor, its employees, agents, invitees, or any subcontractor of Contractor relating to or in any way connected with the accomplishment of the work or performance of services under this Agreement. As part hereto of the foregoing indemnity, Contractor agrees to protect and to defend at its own expense, including attorney's fees, Owner and City of Desert Hot Springs, their officers, agents and employees from any and all legal action based upon any negligent acts or omissions of the Contractor.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement which shall be deemed an original on the date first above written.

OWNER:

MISSION SPRINGS WATER DISTRICT

By _____

Name _____
(Please Type)

Title _____

(SEAL)

ATTEST:

Name _____
(Please Type)

Title _____

CONTRACTOR:

By _____

Name _____
(Please Type)

Address _____

Contractor's License No. _____

CORPORATE CERTIFICATE

I, _____, certify that I am the _____
Secretary of the Corporation named as CONTRACTOR in the foregoing contract; that
_____, who signed said contract
on behalf of the CONTRACTOR was then _____ of said corporation;
and that said contract was duly signed for and in behalf of said corporation by authority of its
governing body and is within the scope of its corporate powers.

(SEAL)

ATTEST:

Name _____
(Please Type)

Title _____

**Mission Springs Water District
Project Budget
Construction of the Well 22 Rehabilitation Project**

Task Description	Project Management QA/QC Contract Management	Project Manager	Construction Management	Admin	Admin	Inspection	Clerical	Total Hours	Labor	Other Direct Costs / Materials / Contract Amount	Total
	Hourly Rates \$150	\$150	\$150	\$75	\$125	\$125	\$35				
Meetings / Communication	4	8	32	8	8	16		76	\$ 10,200	\$ -	\$ 10,200
Plan Check		8		6	6		3	23	\$ 2,505	\$ -	\$ 2,505
Research	2	8			8		4	22	\$ 2,640	\$ -	\$ 2,640
Property Acquisition										\$ -	\$ -
Prepare Contract Documents											
Project specifications and Design (TKE)										\$ 50,000	\$ 50,000
Advertisement/Bid Opening/Bid Qualification	1	1			8		4	14	\$ 1,440	\$ 2,112	\$ 3,552
Pre-bid walk		3	3		3		2	11	\$ 1,345	\$ -	\$ 1,345
Contract Management	3	3			6		2	14	\$ 1,720	\$ -	\$ 1,720
Construction Cost (Est. based on 180 Calendar Days)											
Pre-job requirements/material review-approval	4		6		6		6	22	\$ 2,460	\$ -	\$ 2,460
Pre-Construction Meeting	2		4		4		2	12	\$ 1,470	\$ -	\$ 1,470
Construction Survey			4		2			6	\$ 850	\$ -	\$ 850
CM & Inspection (MWH; Survey and Staking Not Included)										\$ 189,573	\$ 189,573
Labor Compliance (Casamar Group)	4				4		2	10	\$ 1,170	\$ 4,279	\$ 5,449
Geotechnical (Landmark)										\$ 7,000	\$ 7,000
Well Rehab Technical Support and Oversight										\$ -	\$ -
Environmental Mitigation			2		2		1	5	\$ 585	\$ -	\$ 585
CEQA (Tom Dodson & Associates)										\$ 2,000	\$ 2,000
Encroachment Permit										\$ -	\$ -
Construction Cost (Includes 10% Contingency)										\$ 1,467,308	\$ 1,467,308
Clerical and Tracking		20			10		20	50	\$ 4,950	\$ -	\$ 4,950
MSWD Furnished Material and other services billed to budget prior to Well Rehab Project work (Mag meter, fittings, downhole rehab work, etc.)										\$ 469,000	\$ 469,000
Final Project Punch List and Inspection		10	8				4	22	\$ 2,840	\$ -	\$ 2,840
Project and Construction Management			16		8		4	28	\$ 3,540	\$ -	\$ 3,540
Warranty related, project closeout, NOC, etc.					8		4	12	\$ 1,140	\$ -	\$ 1,140
Totals	20	61	75	14	83	16	58	327	\$ 38,855	\$ 2,191,272	\$ 2,230,127

Rounded Project Budget: \$ 2,240,000

Notes:

Amounts shown are average rates in fee, exact rates for individual staff may vary from those shown; overhead charges included in hourly rates

Mission Springs Water District
 Bid Results for Project Construction of the Well 22 Rehabilitation Project (20-012-W TM)
 Issued on 10/16/2023
 Bid Due on February 28, 2024 2:00 PM (PST)
 Exported on 02/28/2024

Line Totals (Unit Price * Quantity)

Item Num	Item Code	Description	Unit of Measure	Quantity	CANYON SPRINGS ENTERPRISES - Line Total	RE Chaffee Construction - Line Total	Houalla Enterprises Ltd. - Line Total
1	101	Mobilization and Demobilization	LS	1	\$20,000.00	\$115,000.00	\$50,000.00
2	102	SWPPP, Best Management Practice and NPDES Requirements	LS	1	\$21,000.00	\$12,000.00	\$108,125.00
3	103	Trenching, Shoring, Backfilling and Compaction	LS	1	\$7,500.00	\$30,000.00	\$47,500.00
4	104	Utilities Verification (Potholing)	LS	1	\$10,000.00	\$14,500.00	\$19,375.00
5	105	Project Sign	LS	1	\$4,000.00	\$3,200.00	\$6,875.00
6	106	Remove and Dispose of Conflicting Portions of Gravel and Sounding Tubes	LS	1	\$12,000.00	\$5,300.00	\$6,375.00
7	107	Remove and Replace Existing Electrical Appurtenances.	LS	1	\$6,500.00	\$8,500.00	\$10,925.00
8	108	Remove and Dispose Existing Electrical Meter and Cabinet as shown on plans.	LS	1	\$6,500.00	\$4,800.00	\$6,992.00
9	109	Roughen Existing Well Pump base by 1/4" amplitude	LS	1	\$3,500.00	\$5,000.00	\$4,250.00
10	110	Remove and Replace Existing Piping and Appurtenances. (i.e. Valves, AV/AR, Restraining Coupling, Concrete Pipe Support, Victaulic Coupling, etc. As Required)	LS	1	\$10,000.00	\$32,500.00	\$55,638.00
11	111	Remove and Replace Existing 12" Cla-Val Check Valve. Return to District.	EA	1	\$26,000.00	\$3,800.00	\$3,000.00
12	112	Remove and Replace Existing 6" Cla-Val Check Valve. Return to District.	EA	1	\$16,000.00	\$1,900.00	\$3,000.00
13	113	Abandon Existing 6" Blow off Discharge Piping in place. Remove Conflicting Portion to accommodate Proposed Improvements.	LS	1	\$10,000.00	\$2,000.00	\$5,438.00
14	114	Remove and Dispose of Area Light.	EA	1	\$4,500.00	\$1,300.00	\$4,399.00
15	115	Remove and Relocate Camera and Telemetry Equipment.	LS	1	\$27,000.00	\$1,300.00	\$21,683.00
16	116	Remove and Relocate Existing Electrical Junction Box.	LS	1	\$13,500.00	\$1,300.00	\$3,657.00
17	117	Construct Concrete Pump Base Extension.	LS	1	\$14,000.00	\$23,000.00	\$13,000.00

18	118	Construct 6" PCC Housekeeping Pad.	SF	40	\$23,000.00	\$15,600.00	\$18,120.00
19	119	Construct 6" Concrete Pad for Chlorine Building.	SF	85	\$11,050.00	\$18,275.00	\$5,015.00
20	120	Furnish and Install Fiberglass Plasti-Fab Everlast Shelter.	LS	1	\$190,000.00	\$180,000.00	\$60,250.00
21	121	Construct 12" Cement Mortar Lined and Epoxy Coated Steel Pipe/Spool and Fittings	LF	26	\$32,916.00	\$31,200.00	\$34,034.00
22	122	Construct 12" Cement Mortar Lined and Coated Steel Pipe and Fittings	LF	10	\$19,000.00	\$67,000.00	\$21,760.00
23	123	Construct 8" Cement Mortar Lined and Epoxy Coated Steel Pipe/Spool and Fittings	LF	8	\$14,000.00	\$20,000.00	\$14,816.00
24	124	Install 12" Check Valve, Cla-Val Model 81G-02KC D/B, CL 150, Epoxy Coated, Flanged.	EA	1	\$38,000.00	\$42,000.00	\$36,307.00
25	125	Install 8" Deep Well Pump Control Valve, Cla-Val Model 61G-02KC D/B, CL 150, Epoxy Coated, Flanged.	EA	1	\$30,000.00	\$33,000.00	\$100,860.00
26	126	Install 12" Rubber Seated Ductile Iron Butterfly Valve, Flanged.	EA	1	\$6,500.00	\$7,400.00	\$8,575.00
27	127	Install 8" Rubber Seat Ductile Iron Butterfly Valve, Flanged.	EA	1	\$4,500.00	\$9,500.00	\$6,850.00
28	128	Install 12" Flowmeter, McCrometer MW512 with Straightening Vanes and E7000-002 Digital Register.	EA	1	\$14,000.00	\$14,000.00	\$19,562.00
29	129	Install 8" Flowmeter, McCrometer MW508 with Straightening Vanes and E7000-002 Digital Register.	EA	1	\$12,000.00	\$14,000.00	\$17,687.00
30	130	Install 12" Restrained Flex Coupling.	EA	1	\$8,500.00	\$7,000.00	\$9,625.00
31	131	Install 12" Victaulic Coupling, Style 77.	EA	3	\$6,000.00	\$6,300.00	\$3,744.00
32	132	Install 8" Flanged Rubber Duckbill Check Valve, Cla-Val RF-DBF or Approved Equal.	EA	1	\$4,000.00	\$3,500.00	\$5,508.00
33	133	Construct 8" Blow-Off Screen Assembly	EA	1	\$720.00	\$1,700.00	\$5,375.00
34	134	Install Pressure Gauge and Switch.	EA	1	\$2,000.00	\$4,000.00	\$22,563.00
35	135	Install 2" Air Valve, ARI Model D-040 or Approved Equal.	EA	2	\$5,000.00	\$3,400.00	\$3,362.00
36	136	Construct 1" F.I.P. Weld-O-Let Coupling for Chlorine Injection Port.	EA	1	\$8,000.00	\$300.00	\$1,076.00
37	137	Install Efficiency Port.	EA	1	\$750.00	\$1,200.00	\$1,190.00
38	138	Construct Adjustable Pipe Support.	EA	5	\$21,000.00	\$9,500.00	\$7,630.00
39	139	Construct Concrete Pipe Support.	EA	2	\$13,000.00	\$12,000.00	\$11,000.00

Item 16.

40	140	Construct Thrust Blocks Per MSWD Standard Details W-8 and W-8A.	EA	2	\$7,000.00	\$1,600.00	\$8,750.00
41	141	Construct 3' x 3' Blow-Off Inlet Box with Grated Top.	LS	1	\$20,000.00	\$12,500.00	\$18,743.00
42	142	Miscellaneous Piping, Fittings, and Valves (i.e. Copper Waterlines, Hose Bib, Eyewash, etc.)	LS	1	\$30,000.00	\$28,000.00	\$34,525.00
43	143	Emergency Eyewash/Shower Assembly	LS	1	\$15,000.00	\$13,000.00	\$19,250.00
44	144	Connect to Existing Waterline As Shown on Plans (Including: MJ Sleeves, Flex-Couplings, Pipe Caps, Temp. Blind Flanges, Top Outlets, etc. As Required)	LS	1	\$18,000.00	\$10,000.00	\$33,263.00
45	145	Cut, Plug and Abandon Existing System as Required	LS	1	\$15,000.00	\$6,500.00	\$12,500.00
46	146	Construct 1 1/2" Electrical Conduit with Long Radius Sweep Bends, 18" Deep Burial.	LF	44	\$22,440.00	\$4,840.00	\$3,740.00
47	147	Construct 18" HDPE Dual Wall Pipe.	LF	37	\$15,540.00	\$8,880.00	\$23,976.00
48	148	Connect 18" HDPE to Existing PCC Headwall as Shown on Plans.	LS	1	\$15,000.00	\$2,000.00	\$12,875.00
49	149	Protect in Place As Noted on Plans	LS	1	\$5,000.00	\$2,000.00	\$6,250.00
50	150	Construct Electrical System (i.e. Switchboards, MCC, Grounding, Radio, Antenna, Lighting, Conduits, Connectors, etc.)	LS	1	\$475,000.00	\$680,000.00	\$678,483.00
51	151	Well Start Up and Commissioning	LS	1	\$20,000.00	\$20,500.00	\$13,679.00
Subtotal					\$1,333,916.00	\$1,556,095.00	\$1,652,781.00
Total					\$1,333,916.00	\$1,556,095.00	\$1,652,781.00

Line Item Unit Price

Item Num	Item Code	Description	Unit of Measure	Quantity	CANYON SPRINGS ENTERPRISES - Unit Price	RE Chaffee Construction - Unit Price	Houalla Enterprises Ltd. - Unit Price
1	101	Mobilization and Demobilization	LS	1	\$20,000.00	\$115,000.00	\$50,000.00
2	102	SWPPP, Best Management Practice and NPDES Requirements	LS	1	\$21,000.00	\$12,000.00	\$108,125.00
3	103	Trenching, Shoring, Backfilling and Compaction	LS	1	\$7,500.00	\$30,000.00	\$47,500.00
4	104	Utilities Verification (Potholing)	LS	1	\$10,000.00	\$14,500.00	\$19,375.00
5	105	Project Sign	LS	1	\$4,000.00	\$3,200.00	\$6,875.00
6	106	Remove and Dispose of Conflicting Portions of Gravel and Sounding Tubes	LS	1	\$12,000.00	\$5,300.00	\$6,875.00

7	107	Remove and Replace Existing Electrical Appurtenances.	LS	1	\$6,500.00	\$8,500.00	\$10,925.00
8	108	Remove and Dispose Existing Electrical Meter and Cabinet as shown on plans.	LS	1	\$6,500.00	\$4,800.00	\$6,992.00
9	109	Roughen Existing Well Pump base by 1/4" amplitude	LS	1	\$3,500.00	\$5,000.00	\$4,250.00
10	110	Remove and Replace Existing Piping and Appurtenances. (i.e. Valves, AV/AR, Restraining Coupling, Concrete Pipe Support, Victaulic Coupling, etc. As Required)	LS	1	\$10,000.00	\$32,500.00	\$55,638.00
11	111	Remove and Replace Existing 12" Cla-Val Check Valve. Return to District.	EA	1	\$26,000.00	\$3,800.00	\$3,000.00
12	112	Remove and Replace Existing 6" Cla-Val Check Valve. Return to District.	EA	1	\$16,000.00	\$1,900.00	\$3,000.00
13	113	Abandon Existing 6" Blow off Discharge Piping in place. Remove Conflicting Portion to accommodate Proposed Improvements.	LS	1	\$10,000.00	\$2,000.00	\$5,438.00
14	114	Remove and Dispose of Area Light.	EA	1	\$4,500.00	\$1,300.00	\$4,399.00
15	115	Remove and Relocate Camera and Telemetry Equipment.	LS	1	\$27,000.00	\$1,300.00	\$21,683.00
16	116	Remove and Relocate Existing Electrical Junction Box.	LS	1	\$13,500.00	\$1,300.00	\$3,657.00
17	117	Construct Concrete Pump Base Extension.	LS	1	\$14,000.00	\$23,000.00	\$13,750.00
18	118	Construct 6" PCC Housekeeping Pad.	SF	40	\$575.00	\$390.00	\$453.00
19	119	Construct 6" Concrete Pad for Chlorine Building.	SF	85	\$130.00	\$215.00	\$59.00
20	120	Furnish and Install Fiberglass Plasti-Fab Everlast Shelter.	LS	1	\$190,000.00	\$180,000.00	\$60,250.00
21	121	Construct 12" Cement Mortar Lined and Epoxy Coated Steel Pipe/Spool and Fittings	LF	26	\$1,266.00	\$1,200.00	\$1,309.00
22	122	Construct 12" Cement Mortar Lined and Coated Steel Pipe and Fittings	LF	10	\$1,900.00	\$6,700.00	\$2,176.00
23	123	Construct 8" Cement Mortar Lined and Epoxy Coated Steel Pipe/Spool and Fittings	LF	8	\$1,750.00	\$2,500.00	\$1,852.00
24	124	Install 12" Check Valve, Cla-Val Model 81G-02KC D/B, CL 150, Epoxy Coated, Flanged.	EA	1	\$38,000.00	\$42,000.00	\$36,307.00
25	125	Install 8" Deep Well Pump Control Valve, Cla-Val Model 61G-02KC D/B, CL 150, Epoxy Coated, Flanged.	EA	1	\$30,000.00	\$33,000.00	\$100,860.00
26	126	Install 12" Rubber Seated Ductile Iron Butterfly Valve, Flanged.	EA	1	\$6,500.00	\$7,400.00	\$8,575.00
27	127	Install 8" Rubber Seat Ductile Iron Butterfly Valve, Flanged.	EA	1	\$4,500.00	\$9,500.00	\$6,850.00
28	128	Install 12" Flowmeter, McCrometer MW512 with Straightening Vanes and E7000-002 Digital Register.	EA	1	\$14,000.00	\$14,000.00	\$19,000.00

29	129	Install 8" Flowmeter, McCrometer MW508 with Straightening Vanes and E7000-002 Digital Register.	EA	1	\$12,000.00	\$14,000.00	\$17,687.00
30	130	Install 12" Restrained Flex Coupling.	EA	1	\$8,500.00	\$7,000.00	\$9,625.00
31	131	Install 12" Victaulic Coupling, Style 77.	EA	3	\$2,000.00	\$2,100.00	\$1,248.00
32	132	Install 8" Flanged Rubber Duckbill Check Valve, Cla-Val RF-DBF or Approved Equal.	EA	1	\$4,000.00	\$3,500.00	\$5,508.00
33	133	Construct 8" Blow-Off Screen Assembly	EA	1	\$720.00	\$1,700.00	\$5,375.00
34	134	Install Pressure Gauge and Switch.	EA	1	\$2,000.00	\$4,000.00	\$22,563.00
35	135	Install 2" Air Valve, ARI Model D-040 or Approved Equal.	EA	2	\$2,500.00	\$1,700.00	\$1,681.00
36	136	Construct 1" F.I.P. Weld-O-Let Coupling for Chlorine Injection Port.	EA	1	\$8,000.00	\$300.00	\$1,076.00
37	137	Install Efficiency Port.	EA	1	\$750.00	\$1,200.00	\$1,190.00
38	138	Construct Adjustable Pipe Support.	EA	5	\$4,200.00	\$1,900.00	\$1,526.00
39	139	Construct Concrete Pipe Support.	EA	2	\$6,500.00	\$6,000.00	\$5,928.00
40	140	Construct Thrust Blocks Per MSWD Standard Details W-8 and W-8A.	EA	2	\$3,500.00	\$800.00	\$4,375.00
41	141	Construct 3' x 3' Blow-Off Inlet Box with Grated Top.	LS	1	\$20,000.00	\$12,500.00	\$18,743.00
42	142	Miscellaneous Piping, Fittings, and Valves (i.e. Copper Waterlines, Hose Bib, Eyewash, etc.)	LS	1	\$30,000.00	\$28,000.00	\$34,525.00
43	143	Emergency Eyewash/Shower Assembly	LS	1	\$15,000.00	\$13,000.00	\$19,250.00
44	144	Connect to Existing Waterline As Shown on Plans (Including: MJ Sleeves, Flex-Couplings, Pipe Caps, Temp. Blind Flanges, Top Outlets, etc. As Required)	LS	1	\$18,000.00	\$10,000.00	\$33,263.00
45	145	Cut, Plug and Abandon Existing System as Required	LS	1	\$15,000.00	\$6,500.00	\$12,500.00
46	146	Construct 1 1/2" Electrical Conduit with Long Radius Sweep Bends, 18" Deep Burial.	LF	44	\$510.00	\$110.00	\$85.00
47	147	Construct 18" HDPE Dual Wall Pipe.	LF	37	\$420.00	\$240.00	\$648.00
48	148	Connect 18" HDPE to Existing PCC Headwall as Shown on Plans.	LS	1	\$15,000.00	\$2,000.00	\$12,875.00
49	149	Protect in Place As Noted on Plans	LS	1	\$5,000.00	\$2,000.00	\$6,250.00
50	150	Construct Electrical System (i.e. Switchboards, MCC, Grounding, Radio, Antenna, Lighting, Conduits, Connectors, etc.)	LS	1	\$475,000.00	\$680,000.00	\$678,000.00

Item 16.

51	151	Well Start Up and Commissioning	LS	1	\$20,000.00	\$20,500.00	\$13,679.00
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AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETINGS

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: ERIC WECK, P.E., ENGINEERING MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____



AWARD OF CONTRACT TO MWH CONSTRUCTORS, INC. FOR CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR WELL 22 REHABILITATION

STAFF RECOMMENDATION

Authorize the General Manager to execute a contract agreement with MWH Constructors, Inc., for an amount not to exceed \$189,573 for construction management and inspection services for Well 22 Rehabilitation.

SUMMARY

Through a competitive bidding process, Staff selected MWH Constructors for the construction management and inspection services for the Services for Rehabilitation of Well 22. These services include project management, construction administration, coordination, and management, as well as inspection of site civil and facility work.

ANALYSIS

MSWD is retaining MWH Constructors to provide Construction Management and Inspection for the Rehabilitation of Well 22 during pre-construction, construction, and post-construction.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

This project is included in the current fiscal year capital budget. This action is consistent with Strategic Plan Smart Goal 4.3-Maintain and renew assets while facilitating strategic capital improvements.

ATTACHMENTS

MWH Constructors_Professional Services Agreement

FINANCIAL DATA		
Cost Associated with this action:	\$189,573.00	
Current FY cost:	\$0	
Future FY cost:	\$189,573.00	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	NA	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	201-Water	
BID/Job#	11611	
Current BID/Job balance	\$1,024,103.00	
Balance remaining if approved:	\$834,531.00	

**Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone (760) 329-6448 - FAX (760) 329-2482**

For your protection, make sure that you read and understand all provisions before signing. The terms on Pages 2 - 6 are incorporated in this document and will constitute a part of the agreement between the parties when signed.

**TO: MWH Constructors, Inc,
301 N. Lake Avenue, Suite 115
Pasadena, CA 91101**

DATE: _____

CONTRACT DIR # _____

**TITLE: Construction Management and Inspection Services for the Well 22
Rehabilitation Project**

The undersigned Consultant agrees to furnish the following:

All Work/Services per the attached Exhibit A – Proposal and Rate Schedule provided by MWH Constructors, Inc., and per Exhibit B – Term, Early Termination & Notice

Contract price: Not to Exceed \$189,573.00


Term: Ninety (90) days following the completion of the construction contract

Instructions: Sign and return the originals. Upon acceptance by Mission Springs Water District, a copy will be signed by its authorized representative(s) and promptly returned to you. Insert the names of your authorized representative(s) below.

Accepted: _____
Mission Springs Water District

Consultant: _____
MWH Constructors, Inc.
(Business Name)

By: _____
Brian Macy

By:  _____
Randy Lovan

Title General Manager

Title Southern California Regional Manager,
Construction Management Services

Other authorized representative(s):
Eric Weck
Engineering Manager

Other authorized representative(s):

Consultant agrees with the Mission Springs Water District that:

- a. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees, and authorized volunteers against any and all liability from all claims and demands of all persons that arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Consultant's performance or non-performance of the work hereunder and shall not tender such claims to Mission Springs Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will immediately defend, indemnify and hold harmless Mission Springs Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out the performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
- c. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.
- d. Consultant will file with Mission Springs Water District, before beginning professional services, a certificate of insurance satisfactory to Mission Springs Water District evidencing professional liability coverage of not less than \$1,000,000 per claim and \$2,000,000 annual aggregate, that coverage shall not be cancelled except with notice to Mission Springs Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalent, or as otherwise approved by Mission Springs Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least five (5) years after the completion of the contract work. Consultant shall purchase a five-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- e. Consultant will file with Mission Springs Water District, before beginning professional services, certificates of insurance (Acord Form 25 or equivalent) satisfactory to Mission Springs Water District evidencing

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01)
2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto)

Limit – The consultant shall maintain limits no less than the following:

1. General liability - coverage of not less than two million (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for bodily injury, personal injury, and property damage; (\$4,000,000 general and products-completed operations aggregate (if used)).
2. Automobile Liability - One million dollars \$1,000,000 for bodily injury and property damage each accident limit.

3. Workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable).

Required Provisions –

- The general liability coverage shall give Mission Springs Water District, its directors, officers, employees (collectively the District), and authorized volunteers insured status (via ISO endorsement at least as broad as CG 2010 1185 or **both** CG 20 10 plus CG 20 37 if a later edition is used) specifically naming the Mission Springs Water District, its directors, officers, employees, or authorized volunteers; or using the language that states "as required by written contract."
 - The general liability coverage is to state or be endorsed (with as broad as ISO endorsement CG 20 01 04 13) to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by Mission Springs Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it".
 - Workers Compensation Insurance – As required by the State of California, with Statutory Limits and Employer's Liability Insurance of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Mission Springs Water District, its elected or appointed officers, officials, agents, authorized volunteers, and employees for losses paid under the terms of this policy which arise from work performed by the named insured for the Mission Springs Water District; but this provision applies regardless of whether or not the Mission Springs Water District has received a waiver of subrogation from the insurer.
 - Consultant shall require and verify that all sub-contractors maintain insurance meeting all requirements stated herein, and Consultant shall ensure that Mission Springs Water District its directors, officers, employees, and authorized volunteers are an additional insured on Commercial General Liability Coverage.
 - Coverage is to be placed with a carrier with an A.M. Best rating of no less than A: VII, or equivalent, or as otherwise approved by Mission Springs Water District.
 - The coverage shall contain no special limitations on the scope of protection afforded to Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
 - In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- f. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) to Mission Springs Water District at least ten (10) days prior to the expiration date.
- g. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other Authorized Representative(s)."
- h. Payment, unless otherwise specified on Page 1, is to be within thirty (30) days after acceptance by Mission Springs Water District.
- i. Professional permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including but not limited to Cal/OSHA requirements.
- j. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by Mission Springs Water District.

Consultant's "Authorized Representative(s)" has (have) the authority to execute such written change for Consultant.

- k. Unless otherwise agreed upon in writing, all reports, documents, or other written material, including any documents, images, photographs, video files, or other media created or developed by Consultant as part of the services required hereunder ("Written Products") shall be considered to be "works made for hire", and all Written Products and any and all intellectual property rights arising from their creation, including, but not limited to, all copyrights and all other proprietary rights, shall be and remain the property of Mission Springs Water District without restriction or limitation upon their use, duplication or dissemination by Mission Springs Water District, except as otherwise provided herein. Consultant shall not obtain or attempt to obtain copyright protection as to any of the Written Products.
- l. Consultant hereby assigns to Mission Springs Water District all ownership and any and all intellectual property rights to the Written Products that are not otherwise vested in Mission Springs Water District pursuant to section above.
- m. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to the Consultant by the Mission Springs Water District or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of an Authorized Representative during the term of this Agreement. Consultant's covenant under this section shall survive the termination of this Agreement.
- n. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the Mission Springs Water District or the Authorized Representative. The Consultant shall maintain adequate records on services provided in sufficient detail to permit an evaluation of service. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. At all times during regular business hours, Consultant shall provide access to such books and records to the Authorized Representative or his or her designees and shall give the Authorized Representative or his or her designees the right to examine and audit such books and records and to make transcripts as necessary, and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement.
- o. This Agreement is personal to the Consultant. Any attempt to assign or subcontract any right or obligation hereunder by the Consultant shall be void unless approved in writing in advance by the Authorized Representative. Consultant's services pursuant to this Agreement shall be provided by the representative or directly under the supervision of the representative and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of the Mission Springs Water District, by and through the Authorized Representative.
- p. Consultant shall not maintain, commit, or permit the maintenance or commission of any nuisance in connection with the performance of services under this Agreement.
- q. Consultant agrees to be familiar with and comply with all applicable federal, state, and local conflict of Interest laws, including, but not limited to, the Political Reform Act (California Government Code Sections 81000, et seq.) and California Government Code Section 1090. During the term of this Agreement, Consultant shall retain the right to perform similar services for other clients, but Consultant and its officers, employees, associates, and subcontractors shall not, without the prior written approval of the Authorized Representative, perform work for another person or entity for whom Consultant is not currently performing work that would require Consultant or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict-of-interest statute.
- r. A waiver by the Mission Springs Water District of any breach of any term, covenant, or condition contained in this Agreement shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement whether of the same or different character.

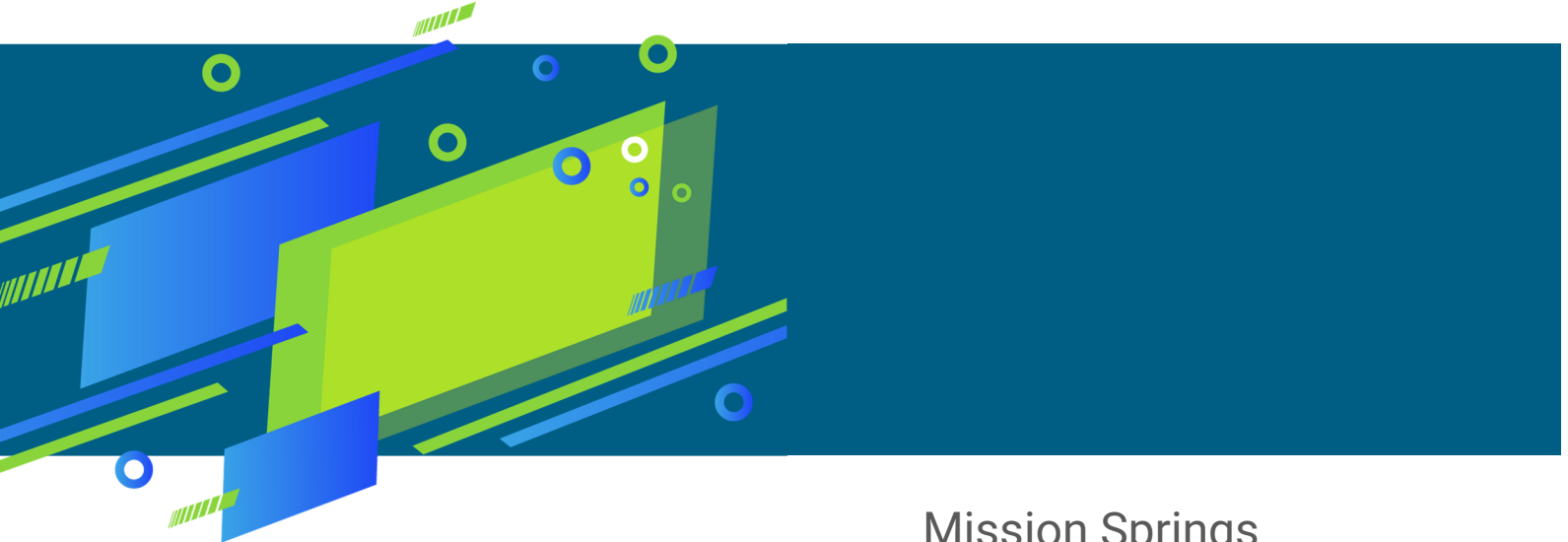
- s. The Consultant shall commence, carry on, and complete all required tasks with all practicable dispatch, in a sound, economical, and efficient manner in accordance with all applicable laws and generally accepted industry standards.
- t. No Third-Party Beneficiaries. The Mission Springs Water District shall not be obligated or liable under this Agreement to any party other than the Consultant.
- u. In no event shall the making by the Mission Springs Water District of any payment to the Consultant constitute or be construed as a waiver by the Mission Springs Water District of any breach of covenant, or any default which may then exist, on the part of the Consultant, and the making of any such payment by the Mission Springs Water District while any such breach or default shall exist shall in no way impair or prejudice any right or remedy available to the Mission Springs Water District with regard to such breach or default.
- v. If any legal action is necessary to enforce any provision of this Agreement or for damages by reason of an alleged breach of any provisions of this Agreement, the prevailing Party shall be entitled to receive from the losing Party all costs and expenses in such amount as the courts may determine to be reasonable. In awarding the cost of litigation, the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorneys' and experts' fees paid or incurred in good faith.
- w. In the performance of the work required by this Agreement, Consultant shall abide by and conform with and to any and all applicable laws of the United States and the State of California, and with the local County and Municipal Code, ordinances, regulations and policies.
- x. If any part, term, or provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law of a federal, state, or local government having jurisdiction over this Agreement, the validity of the remaining portions or provisions shall not be affected by such holding.
- y. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be the Superior Court of Riverside County, California.
- z. This Agreement represents the entire Agreement between the Mission Springs Water District and Consultant with respect to the subject matter hereto and supersedes all prior oral or written negotiations, representations, or agreements. No verbal agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the parties to this Agreement and any subsequent successors and assigns. In the event of any inconsistency between the provisions of this Agreement and Consultant's proposal or Quote, and Exhibits hereto, the provisions of this Agreement shall control.
- aa. Precedence of Exhibits. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.
- bb. Consultant will act hereunder as an independent contractor. This agreement shall not and is not intended to constitute Consultant as an agent, servant, or employee of the Mission Springs Water District and shall not and is not intended to create the relationship of partnership, joint venture or association between the Mission Springs Water District and Consultant.
- cc. Each of the signatories herein hereby represents that he or she has the authority to execute the Agreement on behalf of his or her contracting party.
- dd. This work is subject to the State of California "Prevailing Wage Rates". This work is subject to the requirements of California Labor Code Section 1720 et seq. requiring the payment of prevailing wages, the training of apprentices and compliance with other applicable requirements. In accordance with provisions of Section 1773 of the Labor Code, the Director of the Department of Industrial Relations (DIR) has ascertained the general prevailing rate of wages and employer payments for health and welfare,

pension, vacation, and similar purposes applicable to the particular craft, classification, or type of workers employed on the work.

Pursuant to SB 854, no contractor or subcontractor may work on a public works project unless registered with DIR for contracts awarded on/after April 1, 2015. General Contractors shall ensure all subcontractors executing work under the contract are DIR registered. All public works contractors and subcontractors to furnish electronic certified payroll records directly to the Labor Commissioner using the California Division of Labor Standards Enforcement's online portal. Pursuant to Labor Code 1776, Contractor and all subcontractors shall submit certified payroll records and proof of e-CPR uploads, for all weeks of construction; progress payments may be withheld for noncompliance.



PROPOSAL



Mission Springs
Water District Well 22
Rehabilitation Project

March 4, 2023

Mission Springs Water District
Attn: Eric Weck, P.E. Engineering Manager
66575 Second Street
Desert Hot Springs, CA 92240

RE: Mission Springs Water District Well 22 Rehabilitation Project

Dear Mr. Weck,

In response to your email request for Construction Management and Construction Inspection Services for the Well 22 Rehabilitation Project, please find MWH's proposal response.

We understand that the Project consists of furnishing all labor, materials, equipment, supplies, and incidentals required to Demolish, Remove and Relocate/Replace/Salvage Existing Piping, Appurtenances, Electrical System, Camera/Telemetry Equipment, and Chlorine Shed ,Install all Underground Piping, Appurtenances, Conduits, and Structures ,Construct Well Pump Base Improvements, Housekeeping Pad, and Chlorine Building Pad ,Install New Discharge Piping and Appurtenances, including Flow Meters, Check Valve, Control Valve, Pipe Supports, and Related Items ,Install New Electrical System and MCC , Complete Site Improvements, Start Up, Testing, and Commissioning . We have a firm grasp of the construction management services needed for the successful implementation of this project. We understand that the project term is for 180 days following a contractor Notice to Proceed that is subject to change.

In this proposal we highlight our construction management and Inspection services philosophy, experience, and services to assist Mission Springs Water District (MSWD) in the completion of the well 22 project. MWH is offering the MSWD a team with extensive well site construction experience and a team that can manage the complete construction, inspection, installation, and operation verification of the well 22 rehabilitation based on experience from other well site projects similar in size and scope.

Our proposed Project Manager, Michael Dietrick and Construction Manager Ty Mull have an excellent history of completing projects on time and within budget and has direct District experience. Ty will be supported by a team of construction management professionals listed in the Project Team and Qualifications section of this proposal which highlights the credentials and experience of our team members.

Our experienced CM and inspection staff has worked on projects throughout the Coachella Valley area and bring strong expertise to this project. We understand this project will run for six (6) months. MWH provides a committed team of construction management and inspection experts that are currently available throughout the contract period. Our team will be in compliance with the California Department of Industrial Relations, prevailing wage determination for field inspection services.

We appreciate this opportunity to continue working with MSWD and look forward to assisting MSWD in this well project. This proposal is valid for 60 days. If you have any questions or require further information, please contact the designated Principal-In-Charge, Randy Lovan at (949) 439-0423 or randy.lovan@mwhconstructors.com. We look forward to your selection.

Sincerely,



Randy B. Lovan
Southern California Regional Manager
Construction Management Services

RL/mdd

Full-Range Construction Services

MWH brings a full range of high-value, “start-to-finish” pre-construction, construction, construction management, and Inspection services. We provide engineering, design, construction, commissioning, and start-up services for projects ranging from water storage, transmission, treatment, wastewater collection and treatment, advanced water, recycled water, brackish water, desalinated water, and conveyance, including environmental remediation. MWH offers single-source construction services via a multi-disciplined team of construction professionals, a range of alternative delivery methods, industry-leading construction and construction management services, and safety practices. Services include: Pre-Construction

- CPM Scheduling
- Claims Management
- Cost Control
- Program Management
- Programmatic CMS
- Construction Management
- Construction Administration
- Construction Inspection
- Related Engineering Services
- Risk Management

Construction Management and Inspection

A leader in Construction Engineering and Inspection (CEI), MWH provides a wide array of proven construction-based best practices throughout the project lifecycle. In addition to construction management and contract administration services, MWH enhances those services through our technical resources by providing construction inspection, and oversight by utilizing our experienced construction

inspection staff.

Because our inspectors are cross trained in engineering design and inspection services, they are capable of recognizing any deviation from plans and specifications. MWH with its team of experienced and credentialed professionals are able to provide construction inspection services with unmatched expertise.

We believe that construction inspection is an important pillar of construction management and clients will benefit from your staff's expertise who have an average of 20+ years of construction inspection services and our key inspectors have direct experience in the construction management of pipeline installation.

MWH's ability to be seen as our client's “consultant of choice” encourages our staff to serve as an extension of our client's staff. In that process, we act as if we are one of our client's employees exhibiting our technical abilities and professionalism to help our clients solve their most technically challenging projects.



Through our pillar of safety, we meet our client's needs in a manner that focuses on our client's schedule and budget. Our inspection staff ensures procedures and materials for projects comply with plans and specifications. Our real-world experience gained on projects throughout the region positions MWH as a leader in our field. We are skilled in best practices that pay attention to project details and utilize our technical acumen to provide innovative solutions to construction projects. Our broad-based knowledge and our stringent quality protocols ensure that projects are done safely and efficiently.

Construction Management Approach

The MWH approach to project management provides governance that results in consistency and efficiency while also allowing innovative ideas to be tested and incorporated into the overall delivery process.

Project Communications

Communications between the Construction Manager, Contractor, designer and Owner, either through email, direct communications, meetings or Zoom/MS Teams, or the document control system, is critical to successful completion of construction projects. Given the varying degrees of complexity of the possible projects and the varying degrees of sophistication with the general Contractor, MWH will employ a firm, but fair approach to communication with the construction Contractor. Documentation is one of the prime elements as Construction Manager. MWH strives to be an industry leader in accurate, thorough, and timely documentation of project details. Written correspondence will (upon MSWD's approval) be sent through the document control system.

Safety



Safety is **always**

the priority for MWH Construction Management staff. MWH's SafeStart Program is the foundation of

this commitment and is fully implemented on every project. This program guides us in providing a safe environment for workers, contractors, the client, and visitors to our construction sites. **We do not compromise on it for any reason. Our safety goal is ZERO incidents for EVERY project.** No task is too important to disregard safety procedures.

All MWH personnel are trained on their induction to the company in our safety protocols and all have attended OSHA 30-Hour Construction (OSHA-30) training, and First Aid / CPR / AED before they are assigned to any project. Most of our project team members have completed additional safety courses in fall prevention, confined space, hazard recognition, NFPA 70E Arc Flash electrical, and numerous other safety courses. Our project team brings actual site safety experiences from many of our past plant and wet infrastructure projects.

MWH is committed to a positive safety culture and everyone in our organization makes a conscious effort to eliminate any condition that may be hazardous to project personnel, visitors, or the public.



Project Schedule and On-Time Completion

As part of our "begin with the end in mind" approach, MWH, with our project-proven experience, will review each of the construction schedule types (3-week look

ahead, baseline Critical Path Method (CPM) schedule, CPM schedule updates, As-built schedule, Time Impact Analysis), and provide comments back to the Construction Contractor.

Focus on the use of the Construction CPM schedule as a tool instead of a requirement has helped MWH teams keep many projects on track and/or ahead of schedule. In order to establish a schedule that is realistic and workable, MWH will organize and chair a Pre-construction Scheduling meeting with the Construction Contractor for compliance with the contract documents.

Review of Shop Drawings

MWH will coordinate all submittals and shop drawings submitted through Procore or MSWD's preferred document control system prior to involving the Design Engineer or appropriate party to ensure that the submitted documentation is accurate and complete. MWH will then transmit the document through document control to the appropriate party for review and monitor the review time to ensure it does not exceed the contractual time limits. MWH will return all responses to the Construction Contractor.

Manage Progress Meetings

MWH will schedule and notify appropriate parties and conduct the Pre-Construction Meeting with the Project Contractor. The meeting will cover the overall project objectives, responsibilities of key personnel and agencies, schedules, schedule of values (bid breakdown), procedures for handling submittals, correspondence, local agency permit requirements, RFIs /RFCs, progress payments, change orders, and other pertinent topics. The meeting shall emphasize the CM's philosophy of Partnering/Teamwork and cooperation as goals to achieve a safely constructed project, built on schedule and in accordance with all quality requirements. MWH will prepare and post a meeting Agenda, and

schedule/chair weekly construction Progress Meetings with the Contractor, Design Engineer, MSWD, and other relevant parties, and will post Meeting Minutes to the document control system. Meeting topics will include safety, schedule, near-term activities and look ahead schedule, submittals, RFIs, change orders, and other items that need resolution. Meeting Minutes will contain an ongoing Action List.

Change Order, Review, & Recommendation

MWH will, in support of CO's, provide supporting documentation, schedule evaluation against the approved baseline schedule including impacts to the critical path, written cost estimate for labor, materials, and equipment with will be formulated and included in our recommendation to MSWD. Documentation includes review for entitlement of the Contractor's request for additional costs/time. MWH will thoroughly analyze the proposal and develop a negotiating position. When necessitated by variations between the Contractor price for change and MWH's fair cost estimate, MWH will negotiate an equitable resolution. After the equitable resolution is reached the MWH will expedite approval of the negotiated change order.

Resolve Field Issues Through Site Visits and Field Meetings

The MWH Construction Management Team works closely with the Inspection Team to identify potential issues in the field and work with the Contractor to resolve those potential issues before they become real issues that could impact the project or the schedule. Inspectors will notify the CM of any concerns, changes or issues identified in the field and, if possible, present possible solutions. The CM will work with the Contractor and Inspector to resolve the

issue and elevate it to the designer/Owner if necessary to resolve the issue.

Process Partial Pay Estimates

MWH Construction Management Team will approve monthly Contractor invoices upon Inspection's verification of compliance to all terms and conditions of the contract and make payment recommendations to MSWD.

Construction Inspection Approach

MWH shall inspect construction activities to ensure that the work is in compliance with the contract documents and will lead to the resolution of day-to-day construction issues as they arise. All proposed inspectors will have relevant experience and certifications for the work to be performed. Construction Daily Reports will be entered and submitted through the document control system, documenting schedule activities, manpower, equipment, construction notes, and daily, digital, date-stamped, color photographs.

General Inspections

MWH will observe, document, and determine the acceptability of the construction work. MWH inspectors will provide prompt communication and clear documentation. We update as-built drawings daily and record daily work, testing, observations, and discussions.

MWH will prepare daily construction reports and review the Contractor's daily reports including the recording and documenting of labor, materials equipment used, weather conditions, issues, site visitors, changes in work, questions, directions are given, and disputed work. MWH provides monthly reports on work activities, milestones, schedules, changes, costs, RFIs, submittals, and photographs.

Non-Conformance Reporting

MWH will observe, inspect, and monitor construction to ensure conformance with plans and specifications. Should work not meet the requirements of the contract and/or the code, MWH will notify MSWD and the contractor immediately. If the work is not rectified, the item will be documented, and a formal issue of Non-Conformance will be sent to the Contractor.

Photographic Records

MWH will photograph work and any changed conditions, disputed work, and extra work and will identify photos with a description and date. All photo documentation is logged and filed.

Electrical and Instrumentation Inspections

MWH will provide Inspection/monitoring/reporting, factory testing, field testing, participation in meetings, loop diagram checking, field installation verification, and required certification. MWH will provide experienced field inspectors for full or part-time electrical inspections of the work, equipment, and appurtenances. Work will be monitored as needed and reports completed daily for your project manager.

Field Issues

Field issues will be brought to the immediate attention of the Contractor and SCV Water. MWH will review loop diagrams to ensure constructability and functionality. Issues will be immediately reported to the Contractor, MWH, and MSWD. MWH will observe, inspect, and verify field installations of the electrical systems to ensure it meets functionality and code requirements.

Mechanical Inspections

WH will provide certified inspectors to provide mechanical inspections of piping,

equipment/appurtenances. Work is monitored and reports are completed daily for the resident engineer/MSWD review. Field issues will be brought to the attention of SCV Water and the Contractor.

Structural Inspections

MWH will provide certified special inspectors for reinforced concrete, structural steel, bolting, structural masonry, pre-stressed concrete, or other structural work that requires a special inspector.

Electronic Document Control



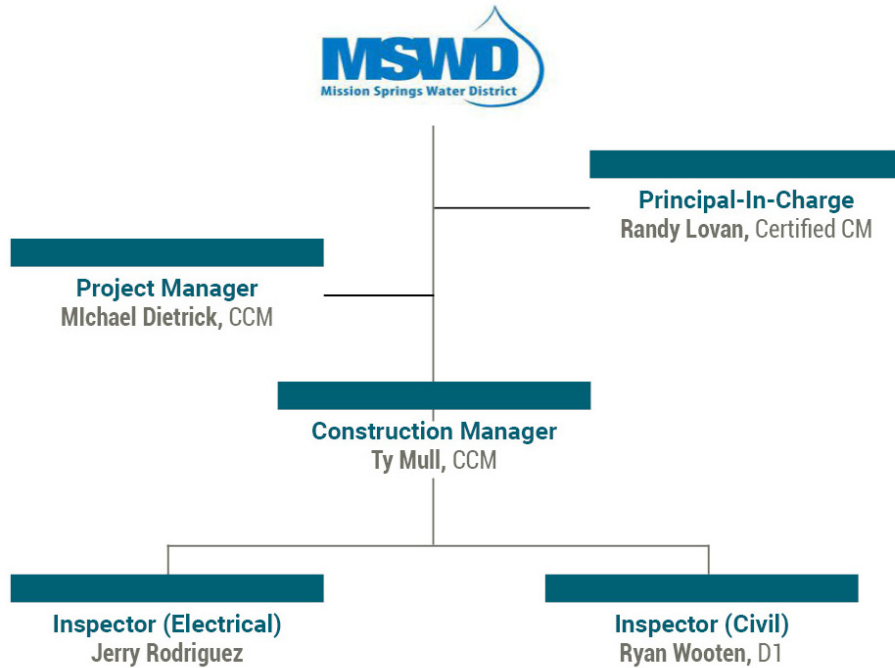
MWH proposes to use CIPO or the District's preferred document control software. CIPO is a web-based document control software, which can be used as the construction project document management system. Our Construction Managers will manage and maintain the CIPO website. The system will include, at a minimum, tools to manage and track all project documentation, including each of the following:

- Contract plans & specifications
- Correspondence
- Progress payments
- Submittals

- Shop drawings
- Requests for Information (RFIs)
- Clarifications and Design Changes
- Potential Change Orders
- Change Orders
- Progress Payments
- Field Memos
- Daily Reports
- Photographs

All document interactions will be digitally stamped with an auditable history trail to enable tracking of each document as to originator, date, and time. The system shall be available on all common web-browsers, on full computers, tablets, and smart phones without installation of an outside software program. The entire database shall have the ability to be searched for any name, date, word, or phrase contained in any of its documents. The document control system shall be accessible by MSWD, the Design Engineer, and the Contractor. Upon completion of the project, all documentation uploaded to the document control system, shall be neatly organized in a project archive with a standard and uniform file naming convention and shall be transmitted in a format acceptable to MSWD.

Project Team and Qualifications



As displayed in our organization chart we have assembled a qualified team with construction management and inspection experience particularly for well construction.



Our proposed Project Manager Michael Dietrick is a Certified Construction Manager & Registered Construction Inspector and has an immeasurable amount

of experience in Domestic water well site construction. His recent project history includes serving as Chief Inspection Construction Manager for the Coachella Valley Water District encompassing all disciplines of the district services domestic water, sanitation, stormwater, Irrigation, Encroachment permits, and reclaimed water. His experience of over 40 years includes managing projects in both public and private sectors construction. He has worked for 20 years managing and inspecting multiple new and existing Domestic deep vertical turbine wells. His

knowledge and understanding of the needs and priorities of domestic water operations during construction is one of his specialties. He has the knowledge, experience, and foresight to migrate critical issues during construction, keeping the well sites running and addressing action plans to handle the worst-case scenarios to ensure that the wells stay operational.



Our proposed Construction Manager Ty Mull is a Certified Construction Manager and brings extensive engineering and construction management experience

in well construction. Serving as a Construction Manager / Project Manager, his experience includes performing highly complex engineering design, planning, coordination, and construction of large-scale waterworks infrastructure capital improvement projects.

Ty has performed construction management services for a wide range of large construction projects including engineering support to several municipal and government clients. In addition, he has performed design work and served as staff engineer on a variety of projects. He is experienced in contract administration, project controls, review and collaborating on

project schedules, developing risk management plans, review and preparing cost estimates, project budget, forecasting, monitoring project costs, change management, providing feedback, preparing reports, and optimizing project strategies to enable desired outcomes. Ty also has direct experience in working directly for the district.

Fee schedule

Included is our proposed Fee for Construction Management and Field Inspection Services. MWH provides our staff at a standard rate, and prevailing wage rates will be paid.



**Client Mission Springs Water District
Project Construction of the Well 22 rehab**

March 4, 2024

Cost Proposal Summary

Description	2024	2025	2026	2027	2028	Project
TASK A - REQUIRED WORK						
Labor Hours	984	-	-	-	-	984
Labor Cost	\$ 177,528	\$ -	\$ -	\$ -	\$ -	\$ 177,528
Subtotal Cost						\$ 177,528
ODC's						
Billable ODCs per Basis of Other Direct Costs	\$ 10,950.0	\$ -	\$ -	\$ -	\$ -	\$ 10,950
					15% markup	\$ -
					Subtotal	\$ 1,095.00
Total Cost Proposal						\$ 189,573
Add Optional Services						
	Allowance	10% Markup	Allowance	Allowance	Allowance	Extension
		\$ -				\$ -
		\$ -				\$ -
	Subtotal of Optional Services		Subtotal of Optional S	Subtotal of Optional S	Subtotal of Optional S	\$ -
Inclusions						
Refer to the attached Construction Management Services - Standard Clarification for Fee Proposal						
Exclusions						
Refer to the attached Construction Management Services - Standard Clarification for Fee Proposal						



Client Mission Springs Water District Project Construction of the Well 22 rehab

March 4, 2024

Hourly Rate Schedule

Staff Name	MWHC Position Descriptions	2024 Hourly Rate	2025 Hourly Rate	2026 Hourly Rate	2027 Hourly Rate	2028 Hourly Rate
Name	Description					
Michael Dietrick	Project Manager	\$197	\$203	\$209	\$215	\$221
Ty Mull	Construction Manager	\$185	\$191	\$197	\$203	\$209
Ryan Wooten	Construction Inspector	\$175	\$180	\$185	\$191	\$197

Our solid financial position ensures MWH will endure to see every project through successful completion and is capable of providing the services required for the duration of the contract.

The following hourly wage rates is based on the Construction Management and Inspection Services referenced in the Mission Springs Water District (MSWD), Request for Proposal, dated November 1, 2023

Construction Management Services - Standard Clarification for Fee Proposal

General:

Our hourly rate schedule are based on the Construction Management Services referenced in the Mission Spring Water District’s Request For Qualifications for On-Call Professional Services for Construction Management and Inspection of Capital improvement projects dated June 9, 2022 and have been increased to reflect the 3% annual escalation through 2028. Our final contract budget will be based on the project assignments and the attached hourly rate schedule. Field staffing will be driven by project demands, confirmed by a baseline schedule, and approved by the Client. All costs are subject to negotiation..

Prevailing Wage:

All Prevailing Wage requirements will be followed by the team and its subconsultants. All team members are in conformance with the State of California Labor compliance requirements. All Inspectors shall be paid the latest conforming wage with rate increase upon notice by the State of California.
 * Billable overtime hourly rates for Field Inspection personnel shall be subject to 1½ times the listed rate for standard overtime hours and 2 times the listed rate for standard double time hours as stated in the California Prevailing Wages Determination Building/Construction Inspector & Field Soils Materials Test Craft.

Rates for the Construction Management Team:

The Hourly Rate Schedule: the above hourly rate schedule shows the Hourly rates for each position for the duration of the project. Overtime rate shall be billed at 1½ the posted rate. An annual escalation of 3 % per year shall apply for management personnel, and/or escalations per the Federal and State Prevailing Wage Laws for Inspectors, whichever is greater. The Annual rate increases will be reviewed and implemented in January of each calendar year.

Rates – Standard Inclusions:

Rates above include computers, standard computer software, digital cameras, digital video cameras, standard cell phones and standard cell phone service including text capability, mail, general office supplies, technical reference materials, training and personal protective equipment (PPE) including hard hats, safety boots, work gloves, safety glasses and other PPE as required.

Excluded from Rates:

Items excluded from the personnel hourly rates are company vehicles, mileage, office rental costs, office equipment/furniture, printers/copiers/scanners, paper for all reproduction, prints, plotting and record mapping copies, broadband service, broadband/high speed connections, delivery service, facsimile transmission, trailer rental costs, installation of utilities, cost of utilities, and cost of sanitary services, janitorial, travel and per diem outside the service area for in-plant fabrication inspection.

Invoicing and Payment:

All project related costs shall be compiled and submitted on a monthly basis, payable within net 30 days. Any disputed costs may be withheld with the remainder of all acceptable charges to be paid within the terms.

Other Direct Costs:

Other Direct Costs including subconsultants will be billed directly at cost plus 15 percent. Vehicle and mileage expenses are billed at a flat rate of \$1,450 per month

Legal:

All subconsultants will be bound to the final terms and conditions of the prime agreement.

Geotechnical Support & Inspection Material Testing:

Geotechnical inspection, materials sampling and testing services of the subgrade & base layers are NOT INCLUDED in the scope of services. The coordination of these services is included in our scope of services.

Survey Baseline Control:

Survey services and fees are NOT INCLUDED in the scope of services. The coordination of these services is included in our scope of services

Field Office:

Any administrative or field offices including furniture, copier printers, internet or other office equipment shall be provided by others

**Client Mission Springs Water District
Project Construction of the Well 22 rehab
Level of Effort Estimate by Position**

March 4, 2024



Person	Position Description	2024	Year	2024												2024	2025	2027	2028	Project	
				Quarter	Qtr 1			Qtr 2			Qtr 3			Qtr 4							
				Month	1	2	3	4	5	6	7	8	9	10	11	12					
				Cal Days	31	28	31	30	31	30	31	31	30	31	30	31					
				Work Days	20	19	23	20	22	21	20	23	20	21	20	20					
				Work Hrs/Mo	160	152	184	160	176	168	160	184	160	168	160	160					
Construction								164	164	164	164	164	164				984				984
Name	Description																				
Michael Dietrick	Project Manager	\$197.00	MWH				4	4	4	4	4	4				24	-	-	-	24	
Ty Mull	Construction Manager	\$185.00	MWH				80	80	80	80	80	80				480	-	-	-	480	
Ryan Wooten	Construction Inspector	\$175.00	MWH				80	80	80	80	80	80				480	-	-	-	480	
Total Hrs.					0	0	164	164	164	164	164	164	0	0	0	984	-	-	-	984	

Position Description	Hours Summary				
	2024	2025	2027	2028	Total
Project Manager	24	-	-	-	24.0
Construction Manager	480	-	-	-	480.0
Construction Inspector	480	-	-	-	480.0
					-
					-
	984	-	-	-	984

**Client Mission Springs Water District
Project Construction of the Well 22 rehab
Cost Estimate by Position**

March 4, 2024



Person	Position Description	2024	Year	2024												2024	2025	Project
				Qtr 1			Qtr 2			Qtr 3			Qtr 4					
			Quarter	1	2	3	4	5	6	7	8	9	10	11	12			
Month				1	2	3	4	5	6	7	8	9	10	11	12			
Cal Days				31	28	31	30	31	30	31	31	30	31	30	31			
Work Days				20	19	23	21	21	21	20	23	21	20	20	21			
Work Hrs/Mo				160	152	184	168	168	168	160	184	168	160	160	168			
Construction							788	788	788	788	788	788				4,728		4,728
Name	Description																	
Michael Dietrick	Project Manager	\$197.00	MWH	-	-	-	788	788	788	788	788	788	-	-	-	4,728	-	4,728
Ty Mull	Construction Manager	\$185.00	MWH	-	-	-	14,800	14,800	14,800	14,800	14,800	14,800	-	-	-	88,800	-	88,800
Ryan Wooten	Construction Inspector	\$175.00	MWH	-	-	-	14,000	14,000	14,000	14,000	14,000	14,000	-	-	-	84,000	-	84,000
Total Hrs.				0	0	0	29,588	29,588	29,588	29,588	29,588	29,588	0	0	0	177,528	-	177,528

Position Description	Cost Summary		
	2024	2025	Total
Project Manager	4,728	-	4,728
Construction Manager	88,800	-	88,800
Construction Inspector	84,000	-	84,000
			-
			-
	177,528	-	177,528

EXHIBIT B**Term, Early Termination & Notice****Construction Management and Inspection Services for the Well 22
Rehabilitation Project****A. Term of Agreement**

This professional services agreement shall be effective upon approval by the parties thereof and shall expire ninety (90) days following the completion of the construction contract between Mission Springs Water District and Canyon Springs Enterprises. This contract also terminates and replaces any previous agreements between the District and MWH Constructors, Inc., for Construction Management and Inspection Services for the Well 22 Rehabilitation Project in force prior to the effective date of this agreement.

B. Early Termination of Agreement

This agreement may be terminated at any time upon thirty (30) days-notice from either party, and without fault or claim for damages by either party.

C. Notice

All correspondence and Notices will be sent to the following addresses as noted below for Mission Springs Water District and MWH Constructors, Inc.

OWNER

Attn: Eric Weck, PE
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
eweck@mswd.org

CONSULTANT

Attn: Randy Lovan
MWH Constructors, Inc.
301 N. Lake Avenue, Suite 115
Pasadena, CA 91101
randy.lovan@mwhconstructors.com

AGENDA STAFF REPORT



MEETING NAME: REGULAR BOARD MEETING

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: BRIAN MACY – GENERAL MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____

AWARD CONTRACT AMENDMENT #3 TO WEST YOST FOR HORTON PHASE I NITROGEN CONTROL STRATEGY IMPLEMENTATION

STAFF RECOMMENDATION

Award contract amendment #3 to West Yost to implement Phase I of the work plan described in the Horton WWTP Nitrogen Control Strategy Technical Report approved by the Colorado River Regional Water Quality Control Board in September 2023. This will increase the contract amount \$84,700.00, from \$181,306.00 to a new contract total of \$266,006.00.

SUMMARY

The Horton WWTP Nitrogen Control Strategy Technical Report was prepared pursuant to Waste Discharge Requirements Order R7-2022-0008 (Permit) and was approved by the Colorado River Regional Water Quality Control Board (Regional Board) in September 2023. In accordance with the Permit, the Technical Report provided two key elements; A work plan to achieve an effluent limitation for total nitrogen of 10 milligrams per liter (mg/L) or lower of treated wastewater discharged to the WWTP percolation ponds and a time schedule for any WWTP improvements or other activities necessary to achieve the proposed effluent limitation.

ANALYSIS

All phases of this study are expected to be completed in 2027, which coincides with the completion of the Coachella Valley Salt and Nutrient Management Plan. As discussed with MSWD staff, implementation of the work plan is recommended to be completed in a phased approach. Phase 1 will include further evaluation of MSWD wastewater process equipment, completion of the installation of lysimeters and additional flow meters, and review and evaluation of background groundwater monitoring strategies.

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

The cost of this project was included in the FY23/24 budget. As the project will continue into the next fiscal year, appropriations will be requested as part of the FY24/25 budget. This action is consistent with Strategic Plan Smart Goal 2.1-Ensure excellence in regulatory compliance.

FINANCIAL DATA		
Cost Associated with this action:	\$84,700	
Current FY cost:	\$40,000	
Future FY cost:	\$44,700	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	N/A	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	301–Sewer	
BID/Job#	585 – Out. Serv.	
Current BID/Job balance	\$114,314	
Balance remaining if approved:	\$74,314	

ATTACHMENTS

Executed West Yost Contract with Amendments 1 & 2 & Original Contract Amendment #3 with West Yost Proposal

**AMENDMENT TO
Contract for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone 760-329-6448 – FAX 760-329-2482**

TO: West Yost & Associates, Inc.
2020 Research Pk. Dr. Ste. #100
Davis, CA 95618

DATE: 11/29/2022
PROJECT DIR#: N/A

FIRST AMENDMENT TO CONTRACT AGREEMENT

1. This amendment (the "Amendment") is hereby made by Mission Springs Water District and **West Yost Associates, Inc.** parties to an agreement for **Preparation of a TDS Impact Evaluation Work Plan for the Horton Wastewater Treatment Plant Technical Reports** (the "Agreement"), dated **March 1, 2022**.
2. In exchange for the promises herein and other good and valuable consideration, the sufficiency of which both parties acknowledged, it is mutually agreed by and between the undersigned contracting parties that the Agreement is amended as follows:

The Amendment will increase the amount of the Agreement from a Not to Exceed amount of \$44,166.00 to a Not to Exceed amount of \$181,306.00 per Attachment 1. This Amendment will increase the term of the Contract Agreement from eight (8) months to one (1) year and seven (7) months. Contract will expire October 1, 2023.
3. Except as set forth in this Amendment, the Agreement is unchanged and shall continue in full force and effect in accordance with its terms. If there is conflict between this Amendment and the Agreement the terms of this amendment will prevail.

Instructions: Sign and return via email. Upon acceptance by Mission Springs Water District, an executed copy will be returned to you for your records. Insert the names of your authorized representative(s) below.

Accepted:

Mission Springs Water District

By: 
Arden Wallum

Title General Manager

Other authorized representative(s):

Eric Weck
Engineering Manager

Brian Macy
Assistant General Manager

Consultant:

West Yost & Associates, Inc.
(Business Name)

By:  Greg Chung for
Elizabeth T. Drayer

Title Vice President

Other authorized representative(s):



October 3, 2022

SENT VIA: EMAIL

Brian Macy
Assistant General Manager
Mission Springs Water District
66575 2nd Street
Desert Hot Springs, CA 92240

SUBJECT: Proposal for Regulatory Support Services for the Mission Springs Water District to Prepare a TDS Impact Evaluation Work Plan for the Horton Water Reclamation Facility Pursuant to Order R7-2022-0008

Dear Mr. Macy:

Pursuant to your request, West Yost has prepared this letter proposal to provide the Mission Springs Water District (MSWD) with a proposed scope of services, budget, and schedule to prepare a Total Dissolved Solids (TDS) Impact Evaluation Work Plan (Work Plan) pursuant to Order R7-2022-0008 for the Horton Wastewater Treatment Plant (WWTP).

BACKGROUND

MSWD owns and operates the Horton WWTP, where it collects, treats and discharges wastewater. The wastewater is treated through secondary treatment and the secondary-treated effluent is discharged to eight percolation ponds located on-site. The discharge is regulated pursuant to waste discharge requirements issued by the Colorado Regional Water Quality Control Board (Regional Board), which was recently updated under Order No. R7-2022-0008 (Permit).

Pursuant to Section G of the Permit (*Special Provisions*), MSWD is required to submit to the Regional Water Board's Executive Officer for review and approval two technical reports:

1. TDS Impact Evaluation Report and Work Plan. The Work Plan must include a time schedule to:
 - i. Monitor groundwater and determine background concentration for TDS in the area of discharge from the Horton WWTP.
 - ii. Determine if wastewater discharged to the infiltration basins is causing or contributing to the increased TDS levels in areal groundwater.
 - iii. Ensure that any proposed effluent limitations for TDS does not cause an exceedance of the receiving water limitations for groundwater.

The technical report may include:

- i. An evaluation of the local hydrogeology.
- ii. Identification of sources of TDS loading that could influence local TDS concentrations in groundwater.

- iii. A proposal to install groundwater monitoring wells to further evaluate the impact of the discharge to the infiltration basins.
2. Nitrogen Control Strategy Technical Report. The Report will include:
 - i. A work plan to achieve an effluent limitation for total nitrogen of 10 milligrams per liter (mg/l) or lower of treated wastewater discharged to the ponds.
 - ii. A time schedule for any WWTP improvements of other activities necessary to achieve the effluent limitation.

This letter describes a proposed scope of services, budget, and schedule to prepare the TDS Impact Evaluation Work Plan. This effort will leverage the *Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan* [CV-SNMP].¹ The objective of the CV-SNMP will be to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin (Basin) in a manner that protects its long-term beneficial uses. The workplan included a regional groundwater monitoring program that described: the initial sampling network of wells; the spatial and vertical gaps in the monitoring network; how the gaps will be filled; and the sampling and analysis protocols. TDS and nitrogen are the main chemical parameters that will be monitored.

SCOPE OF SERVICES

The following is a list of the key tasks necessary to perform the proposed Scope of Services, each further described below:

- Task 1. Project Kickoff/Collect Data and Reports
- Task 2. Describe the Current Physical Setting
- Task 3. Describe Monitoring and Reporting Program
- Task 4. Prepare TDS Impact Evaluation Work Plan
- Task 5. Ad Hoc Meetings and Project Administration

Task 1. Project Kickoff/Collect Data and Reports

The objectives of this task are to:

1. Achieve consensus on the objectives and outline of the final Work Plan.
2. Compile and review all readily available reports, data, and information necessary to complete the Work Plan.

The main activities of this task include:

- West Yost will prepare a draft outline of the Work Plan and submit the outline to the MSWD for review and comment.

¹ West Yost Associates, Inc. 2021. *Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan*. Prepared for the Coachella Valley SNMP Agencies. September 2, 2021.

- West Yost will prepare for and lead a project kickoff meeting. The agenda for the kickoff meeting will be (i) the objectives and outline of the final Work Plan; (ii) the schedule to complete the Work Plan; and (iii) the reports, data, and information necessary to complete the Work Plan.
- West Yost will collect, review, and compile reports, data, and information necessary to complete the Work Plan.
- West Yost will finalize the outline of the Work Plan and submit the outline to MSWD.

Task 1 Assumptions

- Client will prepare for and attend the kickoff meeting.
- Client will review and provide comments on the draft outline of the work plan.
- Client will assist West Yost in identifying and compiling the reports, data, and information.

Task 1 Deliverables

- Draft and final outline of the Work Plan.

Task 2. Describe the Current Physical Setting

The objective of this task is to characterize the physical setting of the groundwater basin in the vicinity of the Horton WWTP —particularly for those factors that influence the local TDS concentrations in groundwater, such as: the structure and composition of the aquifer system; the occurrence and movement of groundwater; and the origin, transport, and fate of TDS in groundwater.

The main activities of this task include:

- West Yost will prepare data graphics to describe the physical setting in the vicinity of the Horton WWTP, including:
 - A map of: surface geology; groundwater basin and subbasin boundaries; the location of the Horton WWTP and its percolation ponds; other local sources of TDS loading; the locations of production and monitoring wells; groundwater elevations and flow directions; and the current TDS concentrations in groundwater.
 - Two hydrogeologic cross sections that display the subsurface structure and composition of the aquifer system, groundwater levels and flow directions, and TDS concentrations in groundwater.
 - Time-series charts of TDS concentrations at wells.
- West Yost will prepare draft text to describe the physical setting in the vicinity of the Horton WWTP. The text will reference the data graphics prepared in this task and will rely on past work and reports collected in Task 1.

Task 3. Describe Monitoring and Reporting Program

The objective of this task is to develop a monitoring and reporting program that will satisfy the requirements of Section G.1. of the Permit (*Special Provisions—TDS Impact Evaluation Work Plan*). Specifically, these requirements include:

- i. Monitor groundwater and determine background concentration for TDS in the area of discharge from the Horton WWTP.
- ii. Determine if wastewater discharged to the infiltration basins is causing or contributing to the increased TDS levels in areal groundwater.
- iii. Ensure that any proposed effluent limitations for TDS does not cause an exceedance of the receiving water limitations for groundwater.

The main activities of this task include:

- West Yost will prepare a map of the monitoring locations. The map will be based on the map of the physical setting prepared in Task 2.
- West Yost will prepare draft text and tables to describe the monitoring locations, chemical analytes, frequency of sampling, and protocols for laboratory analyses and data reporting.
- West Yost will prepare draft text to describe the process for annual reporting of results, interpretations, and recommendations. The interpretations in the annual report will address all three requirements listed above. The recommendations in the annual report will address any adaptations to the monitoring and reporting program that are necessary to satisfy all three requirements listed above.

The development of this monitoring and reporting program will leverage the groundwater monitoring program of the CV-SNMP, as well as the development and implementation of the CV-SNMP itself, to the maximum extent possible.

Task 4. Prepare TDS Impact Evaluation Work Plan

The objective of this task is to prepare the *TDS Impact Evaluation Work Plan* that will satisfy the requirements of Section G.1. of the Permit and be approved by the Executive Officer of the Regional Board.

The main activities of this task include:

- West Yost will compile the text, tables, and figures prepared in Tasks 2 and 3, prepare an administrative draft Work Plan, and submit it to MSWD for review and comment. West Yost will lead a conference call with MSWD staff to discuss the administrative draft Work Plan and receive verbal feedback. MSWD staff will provide West Yost with written comments and suggested revisions within two weeks of receiving the administrative draft Work Plan.
- West Yost will prepare a draft Work Plan based on the comments and suggested revisions received from MSWD. MSWD will submit the draft Work Plan to the Regional Board for review and comment. West Yost will lead a conference call with Regional Board and MSWD staff to discuss the draft Work Plan and receive verbal feedback. Regional Board staff will provide West Yost and MSWD with written comments and suggested revisions.
- West Yost will prepare a final Work Plan based on the comments and suggested revisions received from Regional Board staff. MSWD will submit the final Work Plan to the Regional Board.

- Task 4 Assumptions**
- MSWD staff will require one (1) round of review/comment on the administrative draft Work Plan.
 - Regional Board staff will require one (1) round of review/comment on the draft Work Plan.

- Task 4 Deliverables**
- West Yost will provide electronic copies of the administrative draft, draft, and final Work Plans.
 - West Yost will provide all GIS layers prepared for the Work Plan.

Task 5. Ad Hoc Meetings and Project Administration

In this task, West Yost will: prepare for and conduct up to two virtual coordination meetings with MSWD staff; coordinate staffing over the duration of the project; and provide monthly invoices and progress reports to MSWD staff of project progress, schedule, and budget status.

PROJECT BUDGET

West Yost’s proposed level of effort and budget for each of the tasks described above is shown in Table 1. West Yost will perform the Scope of Services described above on a time-and-expenses basis, at the billing rates set forth in West Yost’s attached 2022 Billing Rate Schedule, with a not-to-exceed budget of \$44,147. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

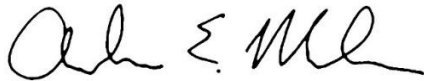
Table 1. Estimated Project Hours and Budget		
Task	Level of Effort, hours	Estimated Budget, dollars
Task 1. Project Kickoff/Collect Data and Reports	25	6,011
Task 2. Describe the Current Physical Setting	62	14,260
Task 3. Describe Monitoring and Reporting Program	34	8,168
Task 4. Prepare TDS Impact Evaluation Report and Work Plan	56	13,082
Task 5. Ad Hoc Meetings and Project Administration	10	2,626
Total Project Hours and Budget	200	\$44,147

SCHEDULE

West Yost anticipates providing the draft Work Plan within ten (10) weeks after receiving notice to proceed and all required data in Task 1. Preparation of the final Work Plan is dependent on the speed of review and comment by the Regional Board, which is uncertain.

Thank you for providing West Yost the opportunity to be of service to the MSWD on this important project. Please call with questions or requests for additional information.

Sincerely,
WEST YOST



Andrew (Andy) Malone, PG
Principal Geologist II
PG #8700



Carolina Sanchez, PE
Senior Engineer I
RCE #85598

Attachment: A. West Yost 2022 Billing Rate Schedule

Attachment A

West Yost's 2022 Billing Rate Schedule



2022 Billing Rate Schedule

(Effective August 1, 2022 through December 31, 2022)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$328
Engineer/Scientist/Geologist Manager I / II	\$310 / \$324
Principal Engineer/Scientist/Geologist I / II	\$280 / \$298
Senior Engineer/Scientist/Geologist I / II	\$251 / \$264
Associate Engineer/Scientist/Geologist I / II	\$215 / \$231
Engineer/Scientist/Geologist I / II	\$173 / \$201
Engineering Aide	\$101
Field Monitoring Services	\$93
Administrative I / II / III / IV	\$89 / \$112 / \$134 / \$148
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$322 / \$324
Principal Tech Specialist I / II	\$296 / \$306
Senior Tech Specialist I / II	\$271 / \$283
Senior GIS Analyst	\$245
GIS Analyst	\$232
Technical Specialist I / II / III / IV	\$173 / \$197 / \$221 / \$247
Technical Analyst I / II	\$124 / \$148
Technical Analyst Intern	\$100
Cross-Connection Control Specialist I / II / III / IV	\$129 / \$140 / \$157 / \$175
CAD Manager	\$195
CAD Designer I / II	\$151 / \$171
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$313
Construction Manager I / II / III / IV	\$191 / \$205 / \$217 / \$275
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$167 / \$185 / \$207 / \$215
Apprentice Inspector	\$151
CM Administrative I / II	\$81 / \$109
Field Services	\$215

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2022 Billing Rate Schedule

(Effective August 1, 2022 through December 31, 2022)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$270 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Gas Detector	\$80 / day
Generator	\$39 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Controller	\$75 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter	\$19 / day
Stainless Steel Wire per foot	\$0.03 / day
Storage Tank	\$15 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$22 / day
Vehicle	\$10 / day
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$27 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day



23692 Birtcher Drive
Lake Forest CA 92630

949.420.3030 phone
530.756.5991 fax
westyost.com

Item 18.

October 3, 2022

SENT VIA: EMAIL

Brian Macy
Assistant General Manager
Mission Springs Water District
66575 2nd Street
Desert Hot Springs, CA 92240

SUBJECT: Proposal for Regulatory Support Services for the Mission Springs Water District to Prepare a Nitrogen Control Strategy Technical Report for the Horton Water Reclamation Facility Pursuant to Order R7-2022-0008

Dear Mr. Macy:

Pursuant to your request, West Yost is pleased to present this letter proposal to provide the Mission Springs Water District (MSWD) with a proposed scope of services, budget, and schedule to prepare a Nitrogen Control Strategy Technical Report (Technical Report) pursuant to Waste Discharge Requirements, Order R7-2022-0008 (Permit), which was issued for the Horton Wastewater Treatment Plant (WWTP) by the Colorado Regional Water Quality Control Board (Regional Board) on April 12, 2022.

BACKGROUND

MSWD is owns and operates the Horton WWTP. The treatment facilities include an extended aeration activated sludge process and the secondary-treated effluent is discharged to eight percolation ponds located onsite. Pursuant to Special Provisions, Section G.2.a of the Permit, MSWD is required to submit for review and approval the subject Technical Report. The Technical Report must include:

- A work plan to achieve an effluent limitation for total nitrogen of 10 milligrams per liter (mg/L) or lower of treated wastewater discharged to the ponds.
- A time schedule for any WWTP improvements of other activities necessary to achieve the proposed effluent limitation.

The Technical Report must be submitted within twelve (12) months of adoption of the Permit, or by April 12, 2023.

This letter describes a proposed scope of services, budget, and schedule to prepare the Technical Report. This effort will leverage the following technical efforts/reports:

1. **Study to Evaluate the Effects of Nitrogen Discharges to Groundwater.**¹ This report was prepared pursuant to the previous permit for the Horton WWTP, Waste Discharge Requirements Order R7-2014-0049. The goal of this previous study was to evaluate the effects of nitrogen in the discharges from the WWTP on groundwater. The report provides an overview of the Horton WWTP effluent concentrations, groundwater at wells in the vicinity of the Horton WWTP, and summarizes the conclusions of a statistical evaluation conducted to estimate the significance of the nitrogen in the effluent to the groundwater.
2. **Work Plan to Develop the Coachella Valley Salt and Nutrient Management Plan [CV-SNMP].**² The objective of the CV-SNMP will be to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin (Basin) in a manner that protects its long-term beneficial uses. Implementation of the Work Plan is an ongoing effort led by multiple water and wastewater agencies in the Coachella Valley, including the MSWD. The Work Plan includes a regional groundwater monitoring program that describes: the initial network of monitoring wells; the spatial and vertical gaps in the monitoring network; how the gaps will be filled; and the sampling and analysis protocols. TDS and nitrogen are the main chemical parameters that will be monitored. It is anticipated that the outcome of the Work Plan will be a clarification on what additional protections are needed with respect to discharges from all dischargers within the basin, including the Horton WWTP, to protect the beneficial uses of groundwater in the Coachella Valley.

PROJECT APPROACH

West Yost proposes that the Technical Report will describe a phased approach to meeting the total nitrogen requirements. This phased approach will include the following elements:

1. A characterization of the existing nitrogen concentrations through the entire process of treatment, to disposal, to receiving water (groundwater).
2. A description of potential near-term operational improvements that can be made to reduce the total nitrogen in the discharges from the WWTP. These improvements are expected to include implementation of control measures to achieve more reliable simultaneous nitrification/denitrification in the WWTP's oxidation ditches. The intention with these improvements is to improve performance but not, necessarily, allow the WWTP to meet the 10 mg/L limitation.
3. A Facilities Plan for the potential near-term operational improvements identified in (2.) above.
4. A proposed monitoring program to describe the soil-aquifer treatment that occurs during the percolation process. The results of the monitoring program will provide a more accurate description of nitrogen loading from the wastewater discharges to the underlying groundwater.

¹ EnviroLogic Resources Inc. 2017. *Study to Evaluate the Effects of Nitrogen Discharges to Groundwater – Alan L. Horton Wastewater Treatment Plant, Desert Hot Springs, California*. August 4, 2017.

² West Yost Associates, Inc. 2021. *Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan*. Prepared for the Coachella Valley SNMP Agencies. September 2, 2021.

5. Implementation of the operational improvements and monitoring program in (3.) and (4.) above.
6. A report that assesses the efforts described above, along with the CV-SNMP findings, and identifies additional steps needed to comply with the CV-SNMP, if any.
7. More extensive upgrade to the WWTP, should it be deemed necessary following the completion of steps described above.

MSWD will benefit from completing the work described above within the timeframe of the larger CV-SNMP efforts. As noted above, it is expected that the CV-SNMP will define the broader expectations for the basin with respect to nitrogen loading from all sources and clarify what additional protections are needed with respect to nitrogen discharges from the Horton WWTP. West Yost is currently working to complete the CV-SNMP, and it is expected that the CV-SNMP will be completed by 2026 or 2027. Therefore, the timeline for all efforts that will be proposed in the Technical Report will be consistent with the CV-SNMP timeline.

This letter proposal is to develop the Technical Report required under the Permit, which will include Items 1, 2 and 4 above and a timeline for completing the remaining items.

SCOPE OF SERVICES

The following is a list of the key tasks necessary to perform the proposed Scope of Services, each further described below:

- Task 1. Project Kickoff/Collect Data and Reports
- Task 2. Nitrogen Concentrations through the Treatment/Disposal Process Characterization
- Task 3. Operational Strategies for Reducing Nitrogen Discharges from the WWTP
- Task 4. Nitrogen Removal During Percolation Soil Aquifer Through Shallow Soils Monitoring Plan
- Task 5. Prepare the Nitrogen Control Strategy Technical Report
- Task 6. As-Needed Support
- Task 7. Project Management

Task 1. Project Kickoff/Collect Data and Reports

The objectives of this task are to:

1. Achieve consensus on the objectives of the Technical Report with MSWD and the Regional Board.
2. Compile and review all readily available reports, data, and information necessary to complete the Technical Report.

The main activities of this task include:

- West Yost will prepare for and lead a project kickoff meeting. The agenda for the kickoff meeting will be (i) the anticipated objectives of the final Technical Report (ii) the schedule to complete the Technical Report; and (iii) the reports, data, and information necessary to complete the Technical Report.

- Following the kickoff meeting, West Yost will prepare a data request email.
- West Yost will collect, review, and compile reports, data, and information necessary to complete the Technical Report.

Task 1 Assumptions

- Client will prepare for and attend the kickoff meeting.
- Client will assist West Yost in identifying and compiling the reports, data, and information.
- All requested data will be provided in electronic (MS Excel) format within two weeks of the submitted request.

Task 1 Deliverables

- West Yost will prepare a draft meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.
- West Yost will prepare a data request email, detailing the information needs to support this project.

Task 2. Nitrogen Concentrations through the Treatment/Disposal Process Characterization

The objective of this task is to characterize the nitrogen concentrations through the entire process of treatment, to disposal, to receiving water (groundwater). The main activities of this task include:

- Prepare a site characterization map of surface geology; groundwater basin and subbasin boundaries; the location of the Horton WWTP and its percolation ponds; other local sources of nitrogen loading; the locations of production and monitoring wells; groundwater elevations and flow directions; and the current nitrogen concentrations in groundwater.
- Prepare time-series charts of nitrogen concentrations through the entire process of treatment, to disposal, to receiving water (groundwater).
- Prepare draft text to characterize the nitrogen concentrations through the entire process of treatment, to disposal, to receiving water (groundwater).

Task 2 Deliverables

- West Yost will provide maps of the site in electronic (PDF) format.

Task 3. Operational Strategies for Reducing Nitrogen Discharges from the WWTP

The objective of this task is to assess the feasibility of achieving reduced WWTP effluent nitrogen concentrations through operational changes. The main activities of this task include:

- Review and characterize the WWTP design and process from data/information collected under Task 1 and Task 2.
- Conduct a WWTP site visit and meet with operations staff to gain a better understanding of the current operational strategies and identify opportunities for reducing effluent nitrogen concentrations.

- Develop a conceptual operational approach for reducing nitrogen levels. [Further evaluation of the conceptual approach will be completed following approval of the Technical Report by the Regional Board.]
- Conduct Project Meeting No. 1 with MWWD staff to discuss the findings and recommendations from this task.

Task 3 Assumptions

- WWTP Operations Staff knowledgeable about the secondary treatment system process control strategy will be participate in the site visit and be available to answer questions.

Task 3 Deliverables

- West Yost will prepare a draft meeting agenda in MS Word format prior Project Meeting No. 1.
- West Yost will provide an email summarizing action items from Project Meeting No. 1 within one week of the meeting.

Task 4. Nitrogen Removal During Percolation Through Shallow Soils Monitoring Plan

The objective of this task is to identify the need for, and benefit of, characterizing the soil-aquifer treatment that occurs during the percolation process at the disposal basins. This effort will include developing a monitoring program to collect the data necessary to demonstrate the nitrogen-loss processes at the disposal basins. The main activities of this task include:

- Prepare a map of the recommended soil-aquifer treatment monitoring locations based on the site characterization map developed in Task 2. [Implementation of the monitoring plan will be completed following approval of the Technical Report by the Regional Board.]
- Conduct Project Meeting No. 2 with MWWD staff to discuss the findings and recommendations from this task.

Task 4 Deliverables

- West Yost will provide maps documenting recommended monitoring locations in electronic (PDF) format.
- West Yost will prepare draft meeting agenda in MS Word format prior to the Project Meeting No. 2.
- West Yost will provide an email summarizing action items from the Project Meeting No. 2 within one week of the meeting.

Task 5. Nitrogen Control Strategy Technical Report

The objective of this task is to prepare the Technical Report in accordance with the requirements of Section G.2.a of the Permit. The main activities of this task include:

- Compile the text, tables, and figures prepared in Tasks 2, 3 and 4, prepare an administrative draft Technical Report, and submit it to MSWD for review and comment.
- Lead a conference call with MSWD staff to discuss the administrative draft Technical Report and receive verbal feedback.
- Prepare a draft Technical Report based on the comments and suggested revisions received from MSWD.

- Prepare a cover letter to support submission of the draft Technical Report by MSWD to the Regional Board.
- Lead a conference call with Regional Board and MSWD staff to discuss the draft Technical Report and receive verbal feedback.
- Prepare a final Technical Report based on the comments and suggested revisions received from Regional Board staff.
- Prepare a cover letter to support submission of the draft Technical Report by MSWD to the Regional Board.

Task 5 Assumptions

- MSWD staff will provide one (1) round of review/comment on the administrative draft Nitrogen Control Strategy Technical Report.
- MSWD staff will provide West Yost with written comments and suggested revisions within two weeks of the conference call.
- Regional Board staff will require only one (1) review meeting regarding the draft Nitrogen Control Strategy Technical Report.
- Regional Board staff will provide West Yost and MSWD with written comments and suggested revisions, as appropriate.
- Revisions required by the Regional Board, if any, will be minor. If the Regional Board does not support the Technical Report approach described previously in this letter proposal, a budget amendment may be needed to support a major revision the report.
- MSWD will submit the final Technical Report to the Regional Board.

Task 5 Deliverables

- West Yost will provide an electronic, (PDF) copies of the administrative draft, draft, and final Nitrogen Control Strategy Technical Report.
- West Yost will provide an electronic (word) copy of the draft Technical Report transmittal cover letter, to be printed on MSWD letterhead and submitted with the Technical Report.
- West Yost will provide a GIS layers and mapping prepared for the Nitrogen Control Strategy Technical Report.
- West Yost will provide an electronic (word) copy of the final Technical Report transmittal cover letter, to be printed on MSWD letterhead and submitted with the Technical Report.

Task 6. As-Needed Support

Following submission of the Technical Report, the Regional Board may require additional meetings or information to support the Technical Report approach which could require assistance from West Yost. MSWD may also require support from West Yost in planning and/or developing the next steps for the study. This task provides for these as-needed support services.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been requested by the MWMC and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget

amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 6 Deliverables

- West Yost will be coordinated with MSWD if services are requested.

Task 7. Project Management

This task includes project management related activities, including project initiation, general project coordination, and development and review of project invoices.

Task 7 Assumptions

- The duration for the project will be approximately six months.

Task 7 Deliverables

- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.

PROJECT BUDGET

West Yost’s proposed level of effort and budget for each of the tasks described above is shown in Table 1. West Yost will perform the Scope of Services described above on a time-and-expenses basis, at the billing rates set forth in West Yost’s attached 2022 Billing Rate Schedule, with a not-to-exceed budget of \$92,993. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Estimated Project Hours and Budget		
Task	Level of Effort, hours	Estimated Budget, dollars
Task 1. Project Kickoff/Collect Data and Reports	36	8,612
Task 2. Nitrogen Concentrations through the Treatment/Disposal Process Characterization	36	8,717
Task 3. Operational Strategies for Reducing Nitrogen Discharges from the WWTP	90	23,704
Task 4. Nitrogen Removal During Percolation Through Shallow Soils Monitoring Plan	44	11,562
Task 5. Nitrogen Control Study Technical Report	106	25,098
Task 6. As-Needed Support	36	10,216
Task 7. Project Management	14	4,484
Total Project Hours and Budget	362	\$92,993

SCHEDULE

West Yost anticipates the following timeline for the key project milestones:

- **Kickoff Meeting:** within one (1) week after receiving notice to proceed
- **Data Request:** one (1) week after kickoff meeting
- **Receive Data from MSWD:** two (2) weeks after receiving data request from West Yost
- **WWTP Site Visit:** three (3) weeks after receiving all required data
- **Progress Meeting No. 1:** six (6) weeks following the site visit
- **Progress Meeting No. 2:** four (4) weeks after receiving all required data
- **Administrative Draft Technical Report (to MSWD):** four (4) weeks following Progress Meeting No. 1. (Anticipated to be seventeen (17) weeks following notice to proceed)
- **Administrative Draft Review Meeting:** one (1) week following submission of the administrative draft Technical Report
- **Comments on Administrative Draft Technical Report from MSWD:** two (2) weeks following the administrative draft Technical Report review meeting
- **Draft Technical Report (to Regional Board):** two (2) weeks following receipt of comments from MSWD. (Anticipated to be twenty-two (22) weeks following notice to proceed)

As noted previously, the Technical Report is due to the Regional Board by April 12, 2023. Therefore, West Yost must receive notice to proceed no later than November 9, 2022, to meet the Permit deadline for submission.

Preparation of the final Technical Report is dependent on the speed of review and comment by the Regional Board, which is uncertain.

Thank you for providing West Yost the opportunity to be of service to the MSWD on this important project. Please call with questions or requests for additional information.

Sincerely,
WEST YOST



Kathryn Gies, PE
Engineering Manager



Andy Malone
Principal Geologist II

Attachment: A. West Yost 2022 Billing Rate Schedule



Attachment A

West Yost's 2022 Billing Rate Schedule



2022 Billing Rate Schedule

(Effective August 1, 2022 through December 31, 2022)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$328
Engineer/Scientist/Geologist Manager I / II	\$310 / \$324
Principal Engineer/Scientist/Geologist I / II	\$280 / \$298
Senior Engineer/Scientist/Geologist I / II	\$251 / \$264
Associate Engineer/Scientist/Geologist I / II	\$215 / \$231
Engineer/Scientist/Geologist I / II	\$173 / \$201
Engineering Aide	\$101
Field Monitoring Services	\$93
Administrative I / II / III / IV	\$89 / \$112 / \$134 / \$148
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$322 / \$324
Principal Tech Specialist I / II	\$296 / \$306
Senior Tech Specialist I / II	\$271 / \$283
Senior GIS Analyst	\$245
GIS Analyst	\$232
Technical Specialist I / II / III / IV	\$173 / \$197 / \$221 / \$247
Technical Analyst I / II	\$124 / \$148
Technical Analyst Intern	\$100
Cross-Connection Control Specialist I / II / III / IV	\$129 / \$140 / \$157 / \$175
CAD Manager	\$195
CAD Designer I / II	\$151 / \$171
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$313
Construction Manager I / II / III / IV	\$191 / \$205 / \$217 / \$275
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$167 / \$185 / \$207 / \$215
Apprentice Inspector	\$151
CM Administrative I / II	\$81 / \$109
Field Services	\$215

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2022 Billing Rate Schedule

(Effective August 1, 2022 through December 31, 2022)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$270 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Gas Detector	\$80 / day
Generator	\$39 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Controller	\$75 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter	\$19 / day
Stainless Steel Wire per foot	\$0.03 / day
Storage Tank	\$15 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$22 / day
Vehicle	\$10 / day
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$27 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

**AMENDMENT TO
Contract for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone 760-329-6448 – FAX 760-329-2482**

TO: West Yost & Associates, Inc.
2020 Research Pk. Dr. Ste. #100
Davis, CA 95618

DATE: September 28, 2023

PROJECT DIR#: N/A

SECOND AMENDMENT TO CONTRACT AGREEMENT

1. This amendment (the "Amendment") is hereby made by Mission Springs Water District and **West Yost Associates, Inc.** parties to an agreement for **Preparation of a TDS Impact Evaluation Work Plan for the Regional Water Reclamation Facility (formerly West Valley Water Reclamation Facility) Project** (the "Agreement"), dated **March 1, 2022**.
2. In exchange for the promises herein and other good and valuable consideration, the sufficiency of which both parties acknowledged, it is mutually agreed by and between the undersigned contracting parties that the Agreement is amended as follows:

This Amendment will increase the term of the Contract Agreement from a completion date of October 1, 2023 to January 31, 2024 to allow for the Regional Water Quality Control Board approval of the TDS and Nitrogen Workplans.
3. Except as set forth in this Amendment, the Agreement is unchanged and shall continue in full force and effect in accordance with its terms. If there is conflict between this Amendment and the Agreement the terms of this amendment will prevail.

Instructions: Sign and return via email. Upon acceptance by Mission Springs Water District, an executed copy will be returned to you for your records. Insert the names of your authorized representative(s) below.

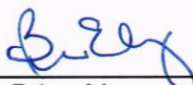
Accepted:

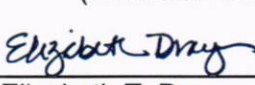
Consultant:

Mission Springs Water District

West Yost & Associates, Inc.

(Business Name)

By: 
Brian Macy

By: 
Elizabeth T. Drayer

Title Interim General Manager

Title Vice President

Other authorized representative(s):

Other authorized representative(s):

Eric Weck
Engineering Manager

**Agreement for Professional Services
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
Telephone 760-329-6448 – FAX 760-329-2482**

For your protection, make sure that you read and understand all provisions before signing. The terms on pages 2 - 6 are incorporated in this document and will constitute a part of the agreement between the parties when signed.

**TO: West Yost
2020 Research Park Drive Ste. #100
Davis, CA 95618**

DATE: Mar 1, 2022

TITLE: Preparation of a TDS Impact Evaluation Work Plan for the Regional Water Reclamation Facility (formerly West Valley Water Reclamation Facility) Project

The undersigned Consultant agrees to furnish the following:

All Work/Services per the attached Exhibit A – Scope of Work and Proposal, and per Exhibit B – Term, Early Termination & Notice

Contract price \$: Not to Exceed \$44,166.00

Term: Eight (8) months from the effective Agreement DATE above

Instructions: Sign and return the originals. Upon acceptance by Mission Springs Water District, a copy will be signed by its authorized representative(s) and promptly returned to you. Insert the names of your authorized representative(s) below.

Accepted:
Mission Springs Water District

Consultant:
West Yost & Associates, Inc.
(Consultant)

By: *Brian E Macy*
Brian E Macy (Mar 1, 2022 10:04 PST)
Brian Macy

By: *Elizabeth T. Drayer*
Elizabeth T. Drayer

Title Assistant General Manager

Title Vice President

Other authorized representative(s):
Eric Weck
Engineering Manager

Other authorized representative(s):
Thomas J. Calabrese
President

Consultant agrees with the Mission Springs Water District that:

- a. When the law establishes a professional standard of care for Consultant's services, to the fullest extent permitted by law, Consultant will indemnify and hold harmless Mission Springs Water District, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons to the extent caused by the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Notwithstanding any language to the contrary in this Agreement, Consultant shall only be required to reimburse Mission Springs Water District for defense fees and costs (including reasonable attorney's fees), in proportion to Consultant's proven acts of negligence and further, only to the extent such fees and costs were directly attributable to Mission Springs Water District's defense of a suit based on Consultant's proven negligence. The Parties also acknowledge that this Agreement is subject to California Civil Code 2782.8 as amended and effective January 1, 2018. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Consultant's performance or non-performance of the work hereunder and shall not tender such claims to Mission Springs Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will indemnify and hold harmless Mission Springs Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons to the extent caused by the negligent performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
- c. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.
- d. Consultant will file with Mission Springs Water District, before beginning professional services, a certificate of insurance satisfactory to Mission Springs Water District evidencing professional liability coverage of not less than \$1,000,000 per claim and \$2,000,000 annual aggregate, that coverage shall not be cancelled except with notice to Mission Springs Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-: VII, or equivalent, or as otherwise approved by Mission Springs Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least five (5) years after the completion of the contract work. Consultant shall purchase a five-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- e. Consultant will file with Mission Springs Water District, before beginning professional services, certificates of insurance (Acord Form 25 or equivalent) satisfactory to Mission Springs Water District evidencing

Coverage – Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

1. Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 0001)
2. Insurance Services Office (ISO) Business Auto Coverage (Form CA 0001), covering Symbol 1 (any auto)

Limit – The consultant shall maintain limits no less than the following

1. General liability - coverage of not less than two million (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater for bodily injury, personal injury and property damage; (\$4,000,000 general and products-completed operations aggregate (if used)).
2. Auto liability - One million dollars \$1,000,000 for bodily injury and property damage each accident limit.
3. Workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable).

Required Provisions –

- The general liability coverage shall give Mission Springs Water District, its directors, officers, employees (collectively the District), and authorized volunteers insured status (via ISO endorsement at least as broad as CG 2010 1185 or **both** CG 20 10 plus CG 20 37 if a later edition is used) specifically naming the Mission Springs Water District, its directors, officers, employees, or authorized volunteers; or using the language that states, "as required by written contract."
 - The general liability coverage is to state or be endorsed (with as broad as ISO endorsement CG 20 01 04 13) to state "such insurance shall be primary and any insurance, self-insurance or other coverage maintained by Mission Springs Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it".
 - Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- : VII, or equivalent, or as otherwise approved by Mission Springs Water District.
 - The coverage shall contain no special limitations on the scope of protection afforded to Mission Springs Water District, its directors, officers, employees, or authorized volunteers.
 - In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
- f. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) to Mission Springs Water District at least ten (10) days prior to the expiration date.
 - g. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other Authorized Representative(s)."
 - h. Payment, unless otherwise specified on Page 1, is to be within thirty (30) days after acceptance by Mission Springs Water District.
 - i. Professional permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including but not limited to Cal/OSHA requirements.
 - j. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by Mission Springs Water District. Consultant's "Authorized Representative(s)" has (have) the authority to execute such written change for Consultant.

- k. Unless otherwise agreed upon in writing and excluding any standard designs, details, specifications and other intellectual property to which Consultant held the copyright prior to performing services for this Agreement, all reports, documents, or other written material, including any documents, images, photographs, video files, or other media created or developed by Consultant as part of the services required hereunder (“Written Products”) shall be considered to be “works made for hire”, and all Written Products and any and all intellectual property rights arising from their creation, including, but not limited to, all copyrights and all other proprietary rights, shall be and remain the property of Mission Springs Water District without restriction or limitation upon their use, duplication or dissemination by Mission Springs Water District, except as otherwise provided herein. Consultant shall not obtain or attempt to obtain copyright protection as to any of the Written Products.
- l. Consultant hereby assigns to Mission Springs Water District all ownership and any and all intellectual property rights to the Written Products that are not otherwise vested in Mission Springs Water District pursuant to section above.
- m. Consultant shall not disclose, publish, or authorize others to disclose or publish, design data, drawings, specifications, reports, or other information pertaining to the projects assigned to the Consultant by the Mission Springs Water District or other information to which the Consultant has had access during the term of this Agreement without the prior written approval of an Authorized Representative during the term of this Agreement. Consultant’s covenant under this section shall survive the termination of this Agreement.
- n. Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by the Mission Springs Water District or the Authorized Representative. The Consultant shall maintain adequate records on services provided in sufficient detail to permit an evaluation of service. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. At all times during regular business hours, Consultant shall provide access to such books and records to the Authorized Representative or his or her designees and shall give the Authorized Representative or his or her designees the right to examine and audit such books and records and to make transcripts as necessary, and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement.
- o. This Agreement is personal to the Consultant. Any attempt to assign or subcontract any right or obligation hereunder by the Consultant shall be void unless approved in writing in advance by the Authorized Representative. Consultant's services pursuant to this Agreement shall be provided by the representative or directly under the supervision of the representative and Consultant shall not assign another to supervise the Consultant's performance of this Agreement without the prior written approval of the Mission Springs Water District, by and through the Authorized Representative.
- p. Consultant shall not maintain, commit, or permit the maintenance or commission of any nuisance in connection with the performance of services under this Agreement.
- q. Consultant agrees to be familiar with and comply with all applicable federal, state, and local conflict of Interest laws, including, but not limited to, the Political Reform Act (California Government Code Sections 81000, et seq.) and California Government Code Section 1090 in a manner consistent with the Standard of Care. During the term of this Agreement, Consultant shall retain the right to perform similar services for other clients, but Consultant and its officers, employees, associates, and subcontractors shall not, without the prior written approval of the Authorized Representative, perform work for another person or entity for whom Consultant is not currently performing work that would require Consultant or one of its officers, employees, associates or subcontractors to abstain from a decision under this Agreement pursuant to a conflict-of-interest statute.
- r. A waiver by the Mission Springs Water District of any breach of any term, covenant, or condition contained in this Agreement shall not be deemed to be a waiver of any subsequent breach of the same or any other term, covenant, or condition contained in this Agreement whether of the same or different character.

- s. The Consultant shall commence, carry on, and complete all required tasks with all practicable dispatch, in a sound, economical, and efficient manner in accordance with all applicable laws and generally accepted industry standards. In providing services under this Agreement, the Consultant shall perform in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality ("Standard of Care").
- t. No Third-Party Beneficiaries. The Mission Springs Water District shall not be obligated or liable under this Agreement to any party other than the Consultant.
- u. In no event shall the making by the Mission Springs Water District of any payment to the Consultant constitute or be construed as a waiver by the Mission Springs Water District of any breach of covenant, or any default which may then exist, on the part of the Consultant, and the making of any such payment by the Mission Springs Water District while any such breach or default shall exist shall in no way impair or prejudice any right or remedy available to the Mission Springs Water District with regard to such breach or default.
- v. If any legal action is necessary to enforce any provision of this Agreement or for damages by reason of an alleged breach of any provisions of this Agreement, the prevailing Party shall be entitled to receive from the losing Party all costs and expenses in such amount as the courts may determine to be reasonable. In awarding the cost of litigation, the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorneys' and experts' fees paid or incurred in good faith. "Prevailing party" shall be defined (1) as a claimant that is awarded net 51 percent of its affirmative claim, after any offsets for claims or counterclaims by the other party, and (2) as a defendant/respondent against whom a net award of 50 percent or less of a claimant's claim is granted.
- w. In the performance of the work required by this Agreement, Consultant shall abide by and conform with and to any and all applicable laws of the United States and the State of California, and with the local County and Municipal Code, ordinances, regulations and policies.
- x. If any part, term, or provision of this Agreement shall be held illegal, unenforceable, or in conflict with any law of a federal, state, or local government having jurisdiction over this Agreement, the validity of the remaining portions or provisions shall not be affected by such holding.
- y. The terms of this Agreement shall be interpreted according to the laws of the State of California. Should litigation occur, venue shall be the Superior Court of Riverside County, California.
- z. This Agreement represents the entire Agreement between the Mission Springs Water District and Consultant with respect to the subject matter hereto and supersedes all prior oral or written negotiations, representations, or agreements. No verbal agreement or implied covenant shall be held to vary the provisions of this Agreement. This Agreement shall bind and inure to the benefit of the parties to this Agreement and any subsequent successors and assigns. In the event of any inconsistency between the provisions of this Agreement and Consultant's proposal or Quote, and Exhibits hereto, the provisions of this Agreement shall control.
- aa. Precedence of Exhibits. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.
- bb. Consultant will act hereunder as an independent contractor. This agreement shall not and is not intended to constitute Consultant as an agent, servant, or employee of the Mission Springs Water District and shall not and is not intended to create the relationship of partnership, joint venture or association between the Mission Springs Water District and Consultant.

- cc. Each of the signatories herein hereby represents that he or she has the authority to execute the Agreement on behalf of his or her contracting party.
- dd. This work is subject to the State of California "Prevailing Wage Rates". This work is subject to the requirements of California Labor Code Section 1720 et seq. requiring the payment of prevailing wages, the training of apprentices and compliance with other applicable requirements. In accordance with provisions of Section 1773 of the Labor Code, the Director of the Department of Industrial Relations (DIR) has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes applicable to the particular craft, classification, or type of workers employed on the work.

Pursuant to SB 854, no contractor or subcontractor may work on a public works project unless registered with DIR for contracts awarded on/after April 1, 2015. General Contractors shall ensure all subcontractors executing work under the contract are DIR registered. All public works contractors and subcontractors to furnish electronic certified payroll records directly to the Labor Commissioner using the California Division of Labor Standards Enforcement's online portal.



November 22, 2021

SENT VIA: EMAIL

Brian Macy
Assistant General Manager
Mission Springs Water District
66575 2nd Street
Desert Hot Springs, CA 92240

SUBJECT: Proposal for Regulatory Support Services for the Mission Springs Water District to Prepare a TDS Impact Evaluation Work Plan for the West Valley Water Reclamation Facility Pursuant to Order R7-2020-0011

Dear Mr. Macy:

Pursuant to your request, West Yost has prepared this letter proposal to provide the Mission Springs Water District (MSWD) with a proposed scope of services, budget, and schedule to prepare a Total Dissolved Solids (TDS) Impact Evaluation Work Plan (Work Plan) pursuant to Order R7-2020-0011 for the West Valley Water Reclamation Facility (WVWRF). We appreciate the opportunity.

BACKGROUND

MSWD is planning to discharge secondary-treated wastewater to three onsite evaporation/infiltration basins at its proposed new municipal wastewater treatment facility—the WVWRF. The discharge will be regulated pursuant to waste discharge requirements issued by the Colorado Regional Water Quality Control Board (Regional Board) under Order No. R7-2020-0011 (Permit).

Pursuant to Section F.4 of the Permit (*Special Provisions—TDS Impact Evaluation Report and Work Plan*), MSWD is required to submit to the Regional Water Board's Executive Officer for review and approval a technical report that includes a work plan and time schedule to:

- i. Monitor groundwater and determine background concentration for TDS in the area of discharge from the WVWRF.
- ii. Determine if wastewater discharged to the infiltration basins is causing or contributing to the increased TDS levels in areal groundwater.
- iii. Ensure that any proposed effluent limitations for TDS does not cause an exceedance of the receiving water limitations for groundwater.

The technical report may include:

- i. An evaluation of the local hydrogeology.
- ii. Identification of sources of TDS loading that could influence local TDS concentrations in groundwater.
- iii. A proposal to install groundwater monitoring wells to further evaluate the impact of the discharge to the infiltration basins.

Two recent technical efforts/reports will be leveraged to help prepare the *TDS Impact Evaluation Report and Work Plan*:

1. **Groundwater Monitoring Well Network Work Plan.**¹ This report was prepared pursuant to Section F.3 of the Permit (*Special Provisions—Groundwater Monitoring Network Workplan*). The report describes a workplan with milestones, time schedule for implementation, and technical rationale for the installation of a groundwater monitoring well network in the vicinity of the proposed evaporation/infiltration basins. Monitoring at the wells will be used to characterize the water-quality conditions of first-encountered groundwater in the vicinity of the evaporation/infiltration basins prior to and after discharge has been initiated. The monitoring wells will be installed at least one year prior to initial WVWRF start-up to allow for baseline sampling. The monitoring network will include, at a minimum, one upgradient and two downgradient monitoring wells.
2. **Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan.**² The objective of the Coachella Valley Salt and Nutrient Management Plan (CV-SNMP) will be to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin (Basin) in a manner that protects its long-term beneficial uses. The workplan included a regional groundwater monitoring program that described: the initial sampling network of wells; the spatial and vertical gaps in the monitoring network; how the gaps will be filled; and the sampling and analysis protocols. TDS and nitrogen are the main chemical parameters that will be monitored.

SCOPE OF SERVICES

The following is a list of the key tasks necessary to perform the proposed Scope of Services, each further described below:

- Task 1. Project Kickoff/Collect Data and Reports
- Task 2. Describe the Current Physical Setting
- Task 3. Describe Monitoring and Reporting Program
- Task 4. Prepare TDS Impact Evaluation Report and Work Plan
- Task 5. Ad Hoc Meetings and Project Administration

Task 1. Project Kickoff/Collect Data and Reports

The objectives of this task are to:

1. Achieve consensus on the objectives and outline of the final Work Plan.
2. Compile and review all readily available reports, data, and information necessary to complete the Work Plan.

¹ EnviroLogic Resources, Inc. 2021. *Groundwater Monitoring Well Network Work Plan, Technical Report*. Prepared for the Mission Springs Water District for the West Valley Water Reclamation Facility. March 29, 2021.

² West Yost Associates, Inc. 2021. *Workplan to Develop the Coachella Valley Salt and Nutrient Management Plan*. Prepared for the Coachella Valley SNMP Agencies. September 2, 2021.

The main activities of this task include:

- West Yost will prepare a draft outline of the Work Plan and submit the outline to the MSWD for review and comment.
- West Yost will prepare for and lead a project kickoff meeting. The agenda for the kickoff meeting will be (i) the objectives and outline of the final Work Plan; (ii) the schedule to complete the Work Plan; and (iii) the reports, data, and information necessary to complete the Work Plan.
- West Yost will collect, review, and compile reports, data, and information necessary to complete the Work Plan.
- West Yost will finalize the outline of the Work Plan and submit the outline to MSWD.

Task 1 Assumptions

- Client will prepare for and attend the kickoff meeting.
- Client will review and provide comments on the draft outline of the work plan.
- Client will assist West Yost in identifying and compiling the reports, data, and information.

Task 1 Deliverables

- Draft and final outline of the Work Plan.

Task 2. Describe the Current Physical Setting

The objective of this task is to characterize the physical setting of the groundwater basin in the vicinity of the WVWRF—particularly for those factors that influence the local TDS concentrations in groundwater, such as: the structure and composition of the aquifer system; the occurrence and movement of groundwater; and the origin, transport, and fate of TDS in groundwater.

The main activities of this task include:

- West Yost will prepare data graphics to describe the physical setting in the vicinity of the WVWRF, including:
 - A map of: surface geology; groundwater basin and subbasin boundaries; the location of the WVWRF and its percolation ponds; other local sources of TDS loading; the locations of production and monitoring wells; groundwater elevations and flow directions; and the current TDS concentrations in groundwater.
 - Two hydrogeologic cross sections that display the subsurface structure and composition of the aquifer system, groundwater levels and flow directions, and TDS concentrations in groundwater.
 - Time-series charts of TDS concentrations at wells.
- West Yost will prepare draft text to describe the physical setting in the vicinity of the WVWRF. The text will reference the data graphics prepared in this task and will rely on past work and reports collected in Task 1.

Task 3. Describe Monitoring and Reporting Program

The objective of this task is to develop a monitoring and reporting program that will satisfy the requirements of Section F.4 of the Permit (*Special Provisions—TDS Impact Evaluation Report and Work Plan*). Specifically, these requirements include:

- i. Monitor groundwater and determine background concentration for TDS in the area of discharge from the WWRF.
- ii. Determine if wastewater discharged to the infiltration basins is causing or contributing to the increased TDS levels in areal groundwater.
- iii. Ensure that any proposed effluent limitations for TDS does not cause an exceedance of the receiving water limitations for groundwater.

The main activities of this task include:

- West Yost will prepare a map of the monitoring locations, which will include those monitoring wells installed pursuant to Section F.3 of the Permit (*Special Provisions—Groundwater Monitoring Network Workplan*). The map will be based on the map of the physical setting prepared in Task 2.
- West Yost will prepare draft text and tables to describe the monitoring locations, chemical analytes, frequency of sampling, and protocols for laboratory analyses and data reporting.
- West Yost will prepare draft text to describe the process for annual reporting of results, interpretations, and recommendations. The interpretations in the annual report will address all three requirements listed above. The recommendations in the annual report will address any adaptations to the monitoring and reporting program that are necessary to satisfy all three requirements listed above.

The development of this monitoring and reporting program will leverage the groundwater monitoring program of the CV-SNMP, as well as the development and implementation of the CV-SNMP itself, to the maximum extent possible.

Task 4. Prepare TDS Impact Evaluation Report and Work Plan

The objective of this task is to prepare the *TDS Impact Evaluation Report and Work Plan* that will satisfy the requirements of Section F.4 of the Permit and be approved by the Executive Officer of the Regional Board.

The main activities of this task include:

- West Yost will compile the text, tables, and figures prepared in Tasks 2 and 3, prepare an administrative draft Work Plan, and submit it to MSWD for review and comment. West Yost will lead a conference call with MSWD staff to discuss the administrative draft Work Plan and receive verbal feedback. MSWD staff will provide West Yost with written comments and suggested revisions within two weeks of receiving the administrative draft Work Plan.
- West Yost will prepare a draft Work Plan based on the comments and suggested revisions received from MSWD. MSWD will submit the draft Work Plan to the Regional Board for review and comment. West Yost will lead a conference call with Regional Board and MSWD staff to discuss the draft Work Plan and receive verbal feedback. Regional Board staff will provide West Yost and MSWD with written comments and suggested revisions.

- West Yost will prepare a final Work Plan based on the comments and suggested revisions received from Regional Board staff. MSWD will submit the final Work Plan to the Regional Board.

Task 4 Assumptions

- MSWD staff will require one (1) round of review/comment on the administrative draft Work Plan.
- Regional Board staff will require one (1) round of review/comment on the draft Work Plan.

Task 4 Deliverables

- West Yost will provide electronic copies of the administrative draft, draft, and final Work Plans.
- West Yost will provide all GIS layers prepared for the Work Plan.

Task 5. Ad Hoc Meetings and Project Administration

In this task, West Yost will: prepare for and conduct up to two virtual coordination meetings with MSWD staff; coordinate staffing over the duration of the project; and provide monthly invoices and progress reports to MSWD staff of project progress, schedule, and budget status.

PROJECT BUDGET

West Yost’s proposed level of effort and budget for each of the tasks described above is shown in Table 1. West Yost will perform the Scope of Services described above on a time-and-expenses basis, at the billing rates set forth in West Yost’s attached 2022 Billing Rate Schedule, with a not-to-exceed budget of \$44,166. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

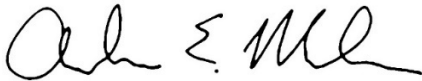
Table 1. Example Table of Estimated Project Hours and Budget		
Task	Level of Effort, hours	Estimated Budget, dollars
Task 1. Project Kickoff/Collect Data and Reports	27	6,067
Task 2. Describe the Current Physical Setting	69	14,111
Task 3. Describe Monitoring and Reporting Program	36	8,142
Task 4. Prepare TDS Impact Evaluation Report and Work Plan	58	13,226
Task 5. Ad Hoc Meetings and Project Administration	10	2,620
Total Project Hours and Budget	200	\$44,166

SCHEDULE

West Yost anticipates providing the draft Work Plan within eight (8) weeks after receiving notice to proceed and all required data in Task 1. Preparation of the final Work Plan is dependent on the speed of review and comment by the Regional Board, which is uncertain.

Thank you for providing West Yost the opportunity to be of service to the MSWD on this important project. Please call with questions or requests for additional information.

Sincerely,
WEST YOST



Andrew (Andy) Malone, PG
Principal Geologist II
PG #8700



Carolina Sanchez, PE
Senior Engineer I
RCE #85598

Attachment: A. West Yost 2022 Billing Rate Schedule

Attachment A

West Yost 2022 Billing Rate Schedule



2022 Billing Rate Schedule

(Effective January 1, 2022 through December 31, 2022)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$318
Engineer/Scientist/Geologist Manager I / II	\$301 / \$315
Principal Engineer/Scientist/Geologist I / II	\$272 / \$289
Senior Engineer/Scientist/Geologist I / II	\$244 / \$256
Associate Engineer/Scientist/Geologist I / II	\$209 / \$224
Engineer/Scientist/Geologist I / II	\$168 / \$195
Engineering Aide	\$98
Field Monitoring Services	\$90
Administrative I / II / III / IV	\$86 / \$109 / \$130 / \$144
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$313 / \$315
Principal Tech Specialist I / II	\$287 / \$297
Senior Tech Specialist I / II	\$263 / \$275
Senior GIS Analyst	\$238
GIS Analyst	\$225
Technical Specialist I / II / III / IV	\$168 / \$191 / \$215 / \$240
Technical Analyst I / II	\$120 / \$144
Technical Analyst Intern	\$97
Cross-Connection Control Specialist I / II / III / IV	\$125 / \$136 / \$152 / \$170
CAD Manager	\$189
CAD Designer I / II	\$147 / \$166
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$304
Construction Manager I / II / III / IV	\$185 / \$199 / \$211 / \$267
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$162 / \$180 / \$201 / \$209
Apprentice Inspector	\$147
CM Administrative I / II	\$79 / \$106
Field Services	\$209

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, etc. will be billed at actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2022 Billing Rate Schedule

(Effective January 1, 2022 through December 31, 2022)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$270 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Gas Detector	\$80 / day
Generator	\$39 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Controller	\$75 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter	\$19 / day
Stainless Steel Wire per foot	\$0.03 / day
Storage Tank	\$15 / day
Sump Pump	\$24 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$22 / day
Vehicle	\$10 / day
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$27 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

Term, Early Termination & Notice**Preparation of a TDS Impact Evaluation Work Plan for the Regional Water Reclamation Facility (formerly West Valley Water Reclamation Facility) Project****A. Term of Agreement**

This professional services agreement shall be effective upon approval by the parties thereof and shall expire Eight (8) months from the effective Agreement DATE therein. This contract also terminates and replaces any previous agreements between the District and West Yost for the Preparation of a TDS Impact Evaluation Work Plan for the Regional Water Reclamation Facility (formerly West Valley Water Reclamation Facility) Project in force prior to the effective date of this agreement.

B. Early Termination of Agreement

This agreement may be terminated at any time upon a thirty (30) day written Notice from either party, and without fault or claim for damages by either party.

C. Notice

All correspondence and Notices will be sent to the following addresses as noted below for Mission Springs Water District and West Yost.

OWNER

Attn: Brian Macy
Mission Springs Water District
66575 Second Street
Desert Hot Springs, CA 92240
bmacy@mswd.org

CONSULTANT

Attn: Andrew Malone, PG
West Yost
23692 Birtcher Drive
Lake Forest, CA 92630
amalone@westyost.com



23692 Birtcher Drive
Lake Forest CA 92630

949.420.3030 phone
530.756.5991 fax
westyost.com

Item 18.

March 12, 2024

SENT VIA: EMAIL

Brian Macy
Assistant General Manager
Mission Springs Water District
66575 2nd Street
Desert Hot Springs, CA 92240

SUBJECT: Proposal for Technical Support Services for the Alan L. Horton Wastewater Treatment Plant Phase I Nitrogen Control Strategy Implementation

Dear Mr. Macy:

Pursuant to your request, West Yost is pleased to present this letter proposal to provide the Mission Springs Water District (MSWD) with a proposed scope of services, budget, and schedule to provide technical support services related to the implementation of a Nitrogen Control Strategy for the Alan L. Horton Wastewater Treatment Plant (WWTP). This letter specifically describes a proposed scope of services, budget, and schedule for the implementation of Phase I of the work plan described in the WWTP Nitrogen Control Strategy Technical Report (Technical Report), which was prepared by West Yost for the MSWD in April 2023.

BACKGROUND

The Technical Report, which was prepared pursuant to Waste Discharge Requirements Order R7-2022-0008 (Permit), was approved by the Colorado River Regional Water Quality Control Board (Regional Board) in September 2023. In accordance with the Permit, the Technical Report provided two key elements:

- A work plan to achieve an effluent limitation for total nitrogen of 10 milligrams per liter (mg/L) or lower of treated wastewater discharged to the WWTP percolation ponds.
- A time schedule for any WWTP improvements or other activities necessary to achieve the proposed effluent limitation.

The Technical Report specifically included implementation actions for the following four technical elements:

- Near-term WWTP optimization
- Soil nitrogen removal evaluation
- Background groundwater monitoring
- Define and implement final compliance strategy

The study is expected to be completed in 2027 coincident with completion of the Coachella Valley Salt and Nutrient Management Plan (CV-SNMP)¹. As discussed with MSWD staff, implementation of the work plan is recommended to be completed in a phased approach. The tasks and timeline associated with the first phase of the evaluation that were proposed in the Technical Report are shown in the table below.

Table 1. Phase 1 WWTP Nitrogen Control Study Tasks and Timeline				
Task	Responsible Party	Task Duration	Start Date	Completion Date
WWTP Optimization Tasks				
Evaluate data collected and further develop operational recommendations	West Yost	3 months	January 2024	March 2024
Complete installation of recommended flow meters	MSWD	6 months	January 2024	June 2024
Groundwater Evaluation Tasks				
Soil Nitrogen Removal				
Evaluate data collected and further develop recommendations for lysimeter installation to support Phase 2 of the soil nitrogen removal evaluation	West Yost	4 months	January 2024	April 2024
Install shallow lysimeters	West Yost & MSWD	3 months	May 2024	July 2024
Background Groundwater Monitoring				
Evaluate background groundwater monitoring strategies	West Yost	4 months	January 2024	April 2024
Monitoring Well Installation Workplan (if needed)	West Yost	2 months	May 2024	June 2024
Approve Monitoring Well Installation Workplan (if needed)	Regional Board	2 months	July 2024	August 2024

SCOPE OF SERVICES

The following is a list of the key tasks necessary to perform the proposed Scope of Services for Phase I of the work plan, each further described below:

- Task 1. WWTP Optimization Support
- Task 2. Monitoring Nitrogen Removal During Percolation through Soil Aquifer Treatment
- Task 3. Evaluate Background Groundwater Monitoring Well
- Task 4. As-Needed Support
- Task 5. Project Management

¹ The objective of the CV-SNMP will be to sustainably manage salt and nutrient loading in the Coachella Valley Groundwater Basin (Basin) in a manner that protects its long-term beneficial uses. It is anticipated that the outcome of this work will be a clarification on what additional protections are needed with respect to discharges from all dischargers within the basin, including the Horton WWTP, to protect the beneficial uses of groundwater in the Coachella Valley.

Task 1. WWTP Optimization

The optimization approach for the WWTP involves operating the WWTP oxidation ditch facilities in a simultaneous nitrification/denitrification (SND) mode. To date, MSWD staff had initiated SND operation in two of the five oxidation ditches at the WWTP, and evaluation of the data collected to date demonstrates improvements in process control and nitrogen removal. Moreover, MSWD is nearing the completion of construction of a new Membrane Bioreactor (MBR) facility that will significantly reduce the flows being directed to the WWTP. Indeed, with the completion of the MBR project, it is expected that the three oxidation ditches that are not currently operating in SND mode will be taken offline.

Given the near-term timeline for completion of the MBR project, it is recommended that MSWD pause on further optimization until startup of the new MBR facility is complete. Therefore, it is expected that optimization support during Phase 1 will primarily be limited to supporting MSWD SND operations through the startup and flow transition period.

The Phase 1 work also includes installation of flow meters at the WWTP. One of the primary objectives of this effort was to provide better control of flow between the five oxidation ditches. However, with three of the ditches coming offline, this aspect of the project is less critical. Indeed, it is reasonable to assume that the influent flows will be evenly split between the two online oxidation ditches. Therefore, under this Phase 1 effort, the West Yost team will work with MSWD to develop a revised plan for improved flow monitoring at the WWTP. As shown in Table 1, MSWD will be responsible for installing the recommended flow meters.

Task 1 Deliverables

- West Yost will provide recommendations related to operations and flow meter installation in email format.

Task 2. Soil Nitrogen Removal Monitoring

The objective of this task is to provide support to the MSWD related to the initiation of a soil aquifer treatment evaluation. The main activities of this task include:

- Following the kickoff meeting under Task 5, West Yost will prepare a data request email to obtain the latest data and information related to percolation basin operations.
- West Yost will review the available data and develop recommendations for the soil-aquifer treatment monitoring equipment.
- West Yost will facilitate a meeting with MSWD staff to discuss the recommended monitoring equipment.
- West Yost will install up to three shallow lysimeters for soil-aquifer treatment monitoring with support from MSWD staff.
- West Yost will develop a draft and final sampling plan and protocol for the collection of samples from the monitoring equipment.
- West Yost will facilitate a meeting with MSWD following review of the draft sampling plan.

Task 2 Assumptions

- Two virtual meetings will be conducted with MSWD staff.
- Client will assist West Yost in identifying and compiling the new data and information available.
- All requested data will be provided in electronic (MS Excel) format within two weeks of the submitted request.
- West Yost staff will purchase the required equipment for lysimeter installation and invoice the client.
- MSWD will drain 2-3 ponds identified for monitoring prior to scheduled lysimeter installation.
- The lysimeter installation will occur over two consecutive days. At least one staff member from MSWD will be available to assist West Yost staff in the installation of the soil-aquifer treatment monitoring equipment.
- WWTP Operations Staff will collect monitoring samples following the protocol provided by West Yost
- MSWD will contract with an analytical laboratory for sample analysis.

Task 2 Deliverables

- West Yost will prepare a data request email, detailing the information needs to support this project.
- West Yost will prepare a draft and final sampling plan and protocol in electronic (PDF) format.

Task 3. Background Groundwater Characterization

The objective of this task is to support MSWD with development of a representative upgradient or background groundwater monitoring data set. The main activities of this task include:

- Evaluate potential of using an existing well to serve as a background groundwater monitoring well.
- West Yost will facilitate a meeting with MSWD staff following this evaluation to provide a final recommendation regarding the approach for background groundwater monitoring.
- If an existing well can be utilized, West Yost will develop a report summarizing the justifications for using the existing well for background monitoring. A draft report will be submitted to the Regional Board for approval.
- If no existing well can be utilized, develop an administrative draft, draft, and final monitoring well installation workplan for Regional Board approval.
- West Yost will facilitate a meeting with MSWD following review of the draft report.
- West Yost will coordinate with the Regional Board, as needed, to get approval of the monitoring well justification report or the monitoring well installation workplan, as appropriate.

Task 3 Assumptions

- Two virtual meeting will be conducted with MSWD staff.
- Installation of a new background monitoring well (if needed) will be completed during Phase 2, following Regional Board approval of the Monitoring Well Installation Workplan.
- One virtual meeting with Regional Board staff is anticipated related to review of the draft report that is submitted.

Task 3 Deliverables

- As appropriate, West Yost will provide either an administrative draft, draft, and final Background Monitoring Well Justification report or an administrative draft, draft, and final Monitoring Well Installation Workplan in electronic (PDF) format.

Task 4. As-Needed Support

During this phase of the project, MSWD is expected to require support from West Yost with preparation of three quarterly progress reports (Q1, Q2, and Q3 2024). MSWD may also require support from West Yost related to general coordination with the Regional Board. Finally, some support will also be needed related to developing a plan for the next phases of the study. This task provides for these as-needed support services.

The specific work efforts and deliverables under this task cannot reasonably be determined at this time, so the associated fee estimate presented in this letter proposal is based on a nominal effort. The scope of work under this task will be limited to work that has been requested by the MSWD and can be completed within the available budget. All work will be performed on a time and materials basis, and monthly invoices will detail the efforts and costs. Depending on the level of effort required, a scope and budget amendment may be necessary in the future. If the estimated fee is not expended in the timeframe anticipated for this scope of work, it may also be directed toward the completion of other efforts.

Task 4 Deliverables

- West Yost will coordinate with MSWD if services are requested.

Task 5. Project Management

This task includes project management related activities, including project initiation and kickoff meeting. The efforts under this task include:

- West Yost will prepare for and lead a project kickoff meeting. The agenda for the kickoff meeting will include (i) anticipated objectives of the Implementation Workplan and (ii) schedule to complete the Workplan.
- West Yost will provide general project coordination and develop monthly project invoices.

Task 5 Assumptions

- Client will prepare for and attend the kickoff meeting.
- The duration for the project will be approximately eight months.

Task 5 Deliverables

- West Yost will prepare a draft kickoff meeting agenda in MS Word format prior to the Kickoff Meeting.
- West Yost will provide an email summarizing action items from the Kickoff Meeting within one week of the meeting.
- West Yost will prepare monthly invoices and descriptions of services performed in PDF format.

PROJECT BUDGET

West Yost's proposed level of effort and budget for each of the tasks described above is shown in Table 1. West Yost will perform the Scope of Services described above on a time-and-expenses basis, at the billing rates set forth in West Yost's attached 2024 Billing Rate Schedule, with a not-to-exceed budget of \$84,700. Any additional services not included in this Scope of Services will be performed only after receiving written authorization and a corresponding budget augmentation.

Table 1. Estimated Project Hours and Budget		
Task	Level of Effort, hours	Estimated Budget, dollars
Task 1. WWTP Optimization	36	9,100
Task 3. Soil Nitrogen Removal Monitoring	104	26,100
Task 4. Evaluate Background Groundwater Monitoring Well	142	36,000
Task 5. As-Needed Support	34	9,000
Task 6. Project Management	14	4,500
Total Project Hours and Budget	330	84,700

SCHEDULE

The work described in this letter proposal will be complete by September 2024.

Thank you for providing West Yost the opportunity to be of continued service to the MSWD on this important project. Please call with questions or requests for additional information.

Sincerely,
WEST YOST



Kathryn Gies, PE
Engineering Manager



Andy Malone, PG
Principal Geologist II

Attachment: A. West Yost 2024 Billing Rate Schedule

Attachment A

West Yost's 2024 Billing Rate Schedule



2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
ENGINEERING	
Principal/Vice President	\$355
Engineer/Scientist/Geologist Manager I / II	\$335 / \$351
Principal Engineer/Scientist/Geologist I / II	\$302 / \$322
Senior Engineer/Scientist/Geologist I / II	\$272 / \$286
Associate Engineer/Scientist/Geologist I / II	\$226 / \$243
Engineer/Scientist/Geologist I / II	\$176 / \$205
Engineering Aide	\$106
Field Monitoring Services	\$131
Administrative I / II / III / IV	\$97 / \$121 / \$145 / \$160
ENGINEERING TECHNOLOGY	
Engineering Tech Manager I / II	\$349 / \$351
Principal Tech Specialist I / II	\$320 / \$331
Senior Tech Specialist I / II	\$293 / \$306
Senior GIS Analyst	\$265
GIS Analyst	\$251
Technical Specialist I / II / III / IV	\$187 / \$213 / \$239 / \$267
Technical Analyst I / II	\$134 / \$160
Technical Analyst Intern	\$108
Cross-Connection Control Specialist I / II / III / IV	\$140 / \$151 / \$170 / \$189
CAD Manager	\$211
CAD Designer I / II	\$164 / \$185
CONSTRUCTION MANAGEMENT	
Senior Construction Manager	\$338
Construction Manager I / II / III / IV	\$201 / \$215 / \$228 / \$289
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$181 / \$201 / \$224 / \$232
Apprentice Inspector	\$164
CM Administrative I / II	\$87 / \$118
Field Services	\$232

- Hourly rates include charges for technology and communication, such as general and CAD computer software, telephone calls, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside services, such as vendor reproductions, prints, and shipping; major West Yost reproduction efforts; as well as engineering supplies, etc., will be billed at the actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness services, research, technical review, analysis, preparation, and meetings will be billed at 150% of standard hourly rates. Expert witness testimony and depositions will be billed at 200% of standard hourly rates.
- A finance charge of 1.5% per month (an annual rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.



2024 Billing Rate Schedule

(Effective January 1, 2024, through December 31, 2024)*

Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$300 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Field Vehicles (Groundwater)	\$1.02 / mile
Gas Detector	\$80 / day
Generator	\$60 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Back Pack	\$135 / day
Low Flow Pump Controller	\$200 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter 300ft	\$30 / day
Precision Water Level Meter 500ft	\$40 / day
Precision Water Level Meter 700ft	\$45 / day
QED Sample Pro Bladder Pump	\$65 / day
Storage Tank	\$20 / day
Sump Pump	\$24 / day
Transducer Communications Cable	\$10 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$30 / day
Turbidity Meter (2100Q Portable)	\$35 / day
Vehicle (Construction Management)	\$10 / hour
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$50 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

* This schedule is updated annually

AGENDA STAFF REPORT



MEETING NAME: REGULAR BOARD MEETING(S)
MEETING DATE(S): APRIL 11 & APRIL 15, 2024
FROM: DANNY FRIEND, DIRECTOR OF OPERATIONS
FOR: ACTION X DIRECTION _____ INFORMATION _____

AWARD OF PROFESSIONAL SERVICES AGREEMENT FOR GEOVIEWER SOFTWARE SUBSCRIPTION AND SUPPORT SERVICES FOR THE MISSION SPRINGS WATER DISTRICT TO NOBEL SYSTEMS

STAFF RECOMMENDATION

Authorize the General Manager to execute a three-year contract for GeoViewer Software Subscription and Support Services for the Mission Springs Water District in the amount of \$63,129.00 per year to Nobel Systems and authorize the General Manager to do all things necessary to complete the project.

SUMMARY

The District currently utilizes Noble Systems for GIS mapping services and its custom GeoViewer online/mobile platforms designed to streamline field workflow processes helping manage day-to-day operations. GeoViewer Mobile allows field staff to view real-time data and analyze and collect data, online or offline. It includes tools such as USA Dig Alert, CMMS, valve exercising and valve isolation analysis, leak data collection, and fire hydrant flushing/maintenance.

ANALYSIS

In February 2024, the District moved forward with the complete deployment of ArcGIS Enterprise, Utility Network, and Cityworks. It is imperative that staff be able to continue having a GIS program to manage work orders, document system maintenance, and easily collect data. This contract is necessary to allow the continued benefits while staff works towards the implementation of the new GIS Utility Network and Cityworks program.

FINANCIAL DATA		
Cost Associated with this action:	\$63,129.00	
Current FY cost:	\$63,129.00	
Future FY cost:	\$126,258.00	
Is it covered in current year budget:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:	N/A	
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:	101-General	
BID/Job#	815-Ann. GIS	
Current BID/Job balance	\$107,690.00	
Balance remaining if approved:	\$44,561.00	

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

The cost of this contract was included in the approved FY23/24 budget. Future appropriations will be requested as part of FY24/25 and FY25/26 budget request. This action is consistent with Strategic Plan Smart Goal 6.1-Embracing technological solutions that align the District with industry best practices and modern standards.

ATTACHMENTS

Nobel MSWD Professional Service Agreement 2024

**PROFESSIONAL SERVICES AGREEMENT FOR GEOVIEWER
SOFTWARE SUBSCRIPTION AND SUPPORT SERVICES FOR THE
MISSION SPRINGS WATER DISTRICT**

This Agreement is entered into by and between the Mission Springs Water District, a County Water District (hereinafter the “District”) and Nobel Systems, Inc., a California corporation organized and operating in the State of California (hereinafter “CONSULTANT”).

R-E-C-I-T-A-L-S

1. The District is a public agency which provides Water and Sewer service within Mission Springs Water District boundary.
2. The District requires the services of GeoViewer, a Geographic Information System (GIS) to provide maintenance and management of the District’s GIS and update other databases that have been integrated with the GIS database.
3. CONSULTANT is a GIS applications company providing enterprise level access to the District’s GIS database hosted by CONSULTANT. CONSULTANT is licensed to do business in the State of California.
4. The District desires to retain CONSULTANT to provide maintain and manage the GeoViewer application and other databases that have been integrated with the GIS data and provide technical support to the District.

C-O-V-E-N-A-N-T-S

1. **Services to Be Performed.** CONSULTANT agrees to perform all work and services in strict accordance with the work described here below and are more particularly

described in the Scope and Cost Proposal attached hereto as Exhibits “A” through “G” and incorporated herein by reference. All work performed by CONSULTANT shall be subject to review and approval by the District. The District shall have no obligation to approve any work found defective by the District, in its sole discretion.

1.1 **Hardware.** CONSULTANT shall procure and maintain all necessary computer hardware to provide the District with access to all District data on the GeoViewer cloud applications at all times during the Agreement, except during the mutually agreed-upon time frame for system maintenance as described in Exhibit “F”.

At all times during this Agreement, CONSULTANT shall provide the District with complete redundancy for all hardware being provided by CONSULTANT, including a secure tier 4 colocation facility with an application hardware uptime of 99.99%.

1.2 **Software.** CONSULTANT shall provide the appropriate licenses to the District to access all District data in the GeoViewer cloud applications for GeoViewer Online and GeoViewer Mobile twenty-four (24) hours a day and seven (7) days a week with the exception of the mutually agreed-upon time frame for system maintenance as described in Exhibit “F”; and

As a material term of this Agreement, CONSULTANT agrees that the software and applications provided to the District will meet all of the functionality of all of the features contained in Exhibit “B”; and

1.3 **Technical Support and Training.** CONSULTANT shall provide the District with all required technical support and training on the use of all GeoViewer applications in accordance with the requirements contained in Exhibit “C”; and

1.4 **Performance Requirements.** CONSULTANT shall maintain the GeoViewer system at all times to meet the performance specification contained in Exhibit “F”.

2. **Correction of Defective Work.** CONSULTANT agrees to correct all labor or materials found defective by the District at its sole cost and expense. All work found defective by the District shall be corrected in the time specified by the District by written notice to CONSULTANT.

3. **Subscription Fees and Price for Work.** CONSULTANT agrees to perform all work described in Exhibits “A” through “G” for an annual subscription fee per the following schedule: **\$63,129** per year and the schedule (hosting period) listed under Exhibit G.

No increase in this price shall be allowed without the express written consent of the District. The District shall have no obligation to grant this consent and may deny consent to any price increase, in its sole discretion.

4. **Payment for Work.** Other than the annual subscription fee, which will be invoiced per Exhibit G, CONSULTANT shall bill the District monthly for all labor and materials provided during the previous month. All billings shall include a complete description of all work completed during the previous month, including hours and costs of each person performing time and materials work and shall also include a detailed description of progress to date on each task of work described in Exhibits “D” and “G”. All bills shall be subject to review and approval by the District. Invoices approved by the District will be paid on a monthly basis thirty (30) days after the invoice has been approved by the District. The District shall have no obligation to pay for any work not expressly approved by the District. The District’s approval shall not be unreasonably withheld. CONSULTANT shall provide the District with any additional information requested by the District from time to time to support any item contained on an invoice no later than seven (7) days after a written request for this information from the District.

5. **Extra Work.** The District may request additional work or services from CONSULTANT from time to time, as the District shall determine, in its sole discretion. CONSULTANT shall not commence any extra work without a written change order expressly approved by the District, in writing. Work performed by CONSULTANT without an approved change order signed by the District will not be paid for by the District. In the event the District determines that additional work is justified, the parties shall agree on the additional work to be performed and the price to be paid for this additional work prior to commencement of any additional

work by CONSULTANT. It is understood by the parties that CONSULTANT shall not be entitled to any payment for extra work unless the District determines that it desires extra work to be performed and a written change order has been executed by the parties.

6. **Software Licenses.** It shall be the sole responsibility of CONSULTANT to ensure that all appropriate hardware and software licenses have been obtained by CONSULTANT for the GeoViewer system at CONSULTANT's sole cost and expense with the exception of the API's, which shall be the responsibility of the District to obtain. CONSULTANT agrees to hold harmless, indemnify, and defend the District and its directors, officers, employees, agents, and independent contractors from and against any and all liability, claims, causes of action, suits, actions, damages, losses, costs, fees, expenses, fines, and penalties, of whatever type or nature, including all costs of defense and attorney fees, based upon any claim that CONSULTANT has misappropriated or engaged in the unlawful use of any intellectual property, trade secret, patent, trademark, hardware, or software for the GeoViewer system belonging to any other person or entity, except claims and causes of action caused by the sole active negligence or intentional misconduct of the District or its directors, officers, employees or agents. In the event that any administrative proceeding, litigation or arbitration is instituted naming the District or any other indemnified parties as a defendant, the District and such other indemnified party shall be entitled to appoint their own independent counsel to represent them, and CONSULTANT agrees to pay all reasonable attorney's fees, expert fees and costs, District staff time and litigation costs associated with this defense within thirty (30) days of any billing.

7. **Use of CONSULTANT's Software by the District.** As part of this Agreement, CONSULTANT may create software applications that are specifically designed by CONSULTANT for the District's use. Except in the case of any breach of this contract by CONSULTANT, CONSULTANT shall retain all proprietary rights to this software. However, in the event that CONSULTANT, its successors or assigns breaches any terms, covenant, or condition of this Agreement, all proprietary software created by CONSULTANT, its successors or assigns for the District in accessing any District data on the GeoViewer system shall become the sole property of the District and the District shall have the express right to the use and transfer of all such proprietary software as determined appropriate by the District in its sole discretion.

8. **Database Backup Copies and Updates to be Provided to the District.** As a material term of this Agreement, CONSULTANT shall provide a complete set of up-to-date data for mapping, imaging, and database systems on an annual basis every July.

9. **Product Updates and New Releases.** CONSULTANT, its successors, or assigns shall promptly notify the District, in writing or via e-mail, of any new updates or releases pertaining to the GeoViewer system that has been developed by CONSULTANT, its successors or assigns.

10. **Standard of Care.** In performing all work and services required by this Agreement, CONSULTANT agrees to use the highest degree of skill and expertise ordinarily exercised, under similar circumstances, by GIS design, integration, and data conversion experts with expertise in design, operation, integration, and maintenance of a GIS system and the other services described in the Scope and Cost Proposal attached as Exhibits “A” through “G” including project management and administration. As a material term of this Agreement, CONSULTANT warrants and represents that it has secured all licenses required by federal or California law to perform all work and services required by this Agreement. CONSULTANT agrees to perform all work always required by this Agreement in strict accordance with all applicable federal, state, and local laws and regulations which apply to the labor or materials being provided.

11. **Work Performance Standards.** CONSULTANT agrees to perform all work and services required by this Agreement in a manner which complies with all federal and state health and safety standards and in a manner which avoids damage or injury to any real or personal property of any person or entity, including any real or personal property of the District. CONSULTANT agrees to always perform the work in a manner which avoids the creation of any trespass or private or public nuisance during the conduct of the work.

12. **Liability for Work of Agents, Independent Contractors, and Subcontractors.** CONSULTANT shall be solely liable and responsible for all labor and materials provided by any director, officer, agent, employee, subcontractor, supplier, or independent contractor hired or retained by CONSULTANT to perform any work or to provide any materials or supplies. The District shall have no liability whatsoever for any work or services performed or any materials or supplies provided by CONSULTANT or its directors, officers, agents, employees, subcontractors,

suppliers, or independent contractors.

13. **Terms of Agreements.** This agreement shall commence per the schedule (hosting period) listed under Exhibit G. and shall continue for a term of three (3) years from the date of commencement.

The District shall have the right to extend the contract term by exercising up to two (2) one- year options to extend the term of this Agreement for a cost of **\$69,441.90** per year (a 10% increase). The District election to extend the Agreement shall be via written notice to CONSULTANT of its election to extend the term of the Agreement on or before the expiration of the prior term.

If District does not provide such notice to Consultant prior to the end of then applicable terms, this Agreement shall terminate. CONSULTANT shall provide an invoice for each subsequent year's applicable fee at least 60 days in advance of the expiration of then applicable term and payment by District shall be deemed acceptance of an additional one-year term.

At the end of the agreement and should the District exercise its right to termination at any time, CONSULTANT shall provide all District owned historical data in a usable CSV and shapefile format and ensure that all data is deleted from CONSULTANT's servers and workstations.

14. **District Termination Right.**

In the event CONSULTANT fails to comply with the contractual & performance requirements set forth in this Agreement & Exhibits, as determined by the District, the District shall have the right to terminate this Agreement.

15. **Independent Contractor.** As a material term of this Agreement, it is expressly agreed between the parties that CONSULTANT is performing all work and services for the District pursuant to this Agreement as an independent contractor and not as an agent or employee of the District. The parties further agree and acknowledge that the District expects CONSULTANT to make its own independent determination of the means and methods to perform all work required by this Agreement and will not be directed as to any of these means or methods by the District.

16. **Conflicts of Interest Prohibited.** As a material term of this Agreement, CONSULTANT shall not in any way attempt to use its position to influence any decision of the District in which it knows, or has reason to know, it has a financial interest other than the compensation provided in this agreement. As a material term of this Agreement, CONSULTANT warrants and represents that it does not, to the best of its knowledge, have any economic interests which would conflict with any of its duties under this Agreement. CONSULTANT agrees not to secure any economic interest during the performance of this Agreement which conflicts with its duties to the District under this Agreement.

17. **Insurance.** At all times during the term of this Agreement, CONSULTANT must maintain a commercial liability insurance policy, workers' compensation insurance, and professional liability insurance in strict accordance with all terms of this paragraph. The insurance required by this paragraph shall be provided as follows:

17.1 **Liability Insurance.** Following execution of this Agreement, and prior to commencement of any work, CONSULTANT shall provide the District with proof of liability insurance coverage with an insurance company licensed to do business in the State of California and acceptable to the District, providing \$1,000,000 of coverage per occurrence and \$2,000,000 minimum aggregate. The liability insurance coverage shall include each of the following types of insurance:

A. General Liability:

- | | |
|---|---|
| 1. Comprehensive Form | 6. Contractual Insurance |
| 2. Premises-Operations | 7. Broad form Property Damage, Including Completed Operations |
| 3. Explosion and Collapse Hazard | 8. Independent Contractors |
| 4. Underground Hazard | 9. Personal Liability |
| 5. Projects/Completed Operations Hazard | |

B. Auto Liability

1. Comprehensive Form
2. Owned
3. Hired

The policy shall include contractual coverage sufficiently broad to insure the matters set forth in the section entitled "Indemnity" in this Agreement. The deductible amount shall not exceed \$5,000.00. Also included in such insurance shall be a "cross-liability" or "severability of interest" clause.

17.2 **Workers' Compensation Insurance.** Following execution of this Agreement and prior to commencement of any work, CONSULTANT shall submit proof of insurance showing they have obtained, for the period of the agreement, full workers' compensation insurance coverage for no less than the statutory limits covering all persons whom CONSULTANT employs or may employ in carrying out the work under this agreement.

17.3 **Professional Liability Insurance.** Following execution of this Agreement, and prior to commencement of any work, CONSULTANT shall provide the District with proof of professional liability insurance with an insurance provider licensed to do business in the State of California, providing \$1,000,000 of coverage per occurrence and \$2,000,000 minimum aggregate. This insurance shall have a deductible not to exceed \$5,000.

17.4 **Cyber Liability Insurance** (Technology Professional Liability - Errors and Omissions), with limits of not less than \$2,000,000 per occurrence or claim, and \$2,000,000 aggregate or the full per occurrence limits of the policies available, whichever is greater. Coverage shall be sufficiently broad to respond to the duties and obligations as is undertaken by Consultant in this Agreement and shall include, but not be limited to, claims involving infringement of intellectual property, including but not limited to infringement of copyright, trademark, trade dress, invasion of privacy violations, information theft, damage to or destruction of electronic information, release of private information, alteration of electronic information, extortion and network security. The policy shall provide coverage for breach response costs as well as regulatory fines and penalties as well as credit monitoring expenses with limits sufficient to respond to these obligations.

17.5 **ACORD Certificate of Liability Insurance and Additional Insured Endorsements.** All insurance required by Paragraph 17.1, 17.2, and 17.3 of this agreement shall be submitted on an ACORD Certificate of Liability Insurance. Insurers must be authorized to do business and have an agent for service of process in the State of California and have an 'A' financial strength rating and a financial size rating of at least Class VI in accordance with the most current A.M. Best's Rating Guide. Additional Insured Endorsements must be provided for the Liability Insurance called out in Paragraph 17.1 with the **Mission Springs Water District** (District), the District's Engineer/Architect, the District's Representatives, CONSULTANT s, and

each of the District's Directors, Officers, Agents, and Employees named as additional insureds. The insurance must include a Waiver of Subrogation and must be Primary and non-Contributory. The additional insured endorsements must be provided on Form CG 20 10 10 01. The insurance certificate and endorsements shall be cancelable with notice delivered to the District in accordance with the policy provisions.

18. **Job Site Safety.** CONSULTANT shall be solely liable and responsible for complying with all federal, state, and local laws, rules and regulations pertaining to job safety for all agents, employees, subcontractors, suppliers, and independent contractors retained by CONSULTANT to perform any work or services or to provide any materials required by this Agreement. However, CONSULTANT shall not be liable or responsible for overall job site safety or the job site safety for any workers or agents employed by any construction contractor performing any work for the District on any construction project.

19. **Indemnity.** As a material term of this Agreement, CONSULTANT agrees to hold harmless, indemnify, and defend the District and its directors, officers, employees, agents, and representatives from and against any and all demands, liability, claims, suits, actions, damages, costs, fees, expenses, fines, and penalties, of whatever type or nature, including, but not limited to, reasonable attorney fees, to the extent arising out of, pertaining to, or relating to the willful misconduct, recklessness, or negligence of CONSULTANT, including its directors, officers, employees, agents, subcontractors, sub-consultants, suppliers, independent contractors, or other persons and entities employed or utilized by CONSULTANT in the performance of this Agreement. In the event that any administrative proceeding, litigation or arbitration is instituted naming the District or any other indemnified parties as a defendant, the District and such other indemnified parties shall be entitled to appoint their own independent counsel to represent them, and CONSULTANT agrees to pay all reasonable attorney's fees, expert fees and costs, and litigation costs associated with this defense within thirty (30) days of any billing; provided however, that the CONSULTANT's obligation shall be limited as provided by Civil Code Section 2782.8 to the extent that the CONSULTANT establishes its proportionate percentage of fault by stipulation of all the parties to the proceeding or a final adjudicatory determination.

20. Miscellaneous Provisions.

20.1 **California Law Governs.** This Agreement shall be governed by California law.

20.2 **Jurisdiction and Venue.** In the event of any legal or equitable proceeding to enforce or interpret the terms and conditions of this Agreement, the parties agree that jurisdiction and venue shall lie only in the federal or state courts in or nearest to the County of San Bernardino, State of California.

20.3 **Modification.** This Agreement may not be altered in whole or in part except by a written modification approved by the District and executed by all the parties to this Agreement.

20.4 **Attorneys' Fees.** In the event any arbitration, action or proceeding is initiated to challenge, invalidate, enforce, or interpret any of the terms of this Agreement, the prevailing party shall be entitled to all attorneys' fees, all expert fees and costs, and all litigation fees, costs, and expenses in addition to any other relief granted by law. This provision shall apply to the entire Agreement.

20.5 **Entire Agreement.** This Agreement, together with all exhibits attached hereto, contains all representations and the entire understanding between the parties with respect to the subject matter of this Agreement. Any prior correspondence, memoranda, or agreements, whether such correspondence, memoranda, or agreements conflict with this Agreement, are intended to be replaced in total by this Agreement and its exhibits. CONSULTANT warrants and represents that no District representative has made any oral representations or oral agreements not contained in this Agreement. CONSULTANT further warrants and represents that CONSULTANT has not relied upon any oral statements or promises made by any District representative or agent in executing this Agreement. The parties mutually declare that this Agreement and its exhibits constitute a final, complete, and integrated agreement between the parties.

20.6 **Prohibition on Assignment.** CONSULTANT shall not be entitled to assign or transfer all or any portion of its rights or obligations in this Agreement without obtaining the express prior written consent of the District. The District shall have no obligation to give its consent to any assignment and may deny any requested assignment, in its sole discretion.

20.7 **Binding Effect.** This Agreement shall inure to the benefit of and be binding upon the parties and on their respective purchasers, successors, heirs, and assigns.

20.8 **Unenforceable Provisions.** The terms, conditions, and covenants of this Agreement shall be construed whenever possible as consistent with all applicable laws and regulations. To the extent that any provision of this Agreement, as so interpreted, is held to violate any applicable law or regulation, the remaining provisions shall nevertheless be carried into full force and effect and remain enforceable.

20.9 **Representation of Capacity to Contract.** Each party to this Agreement represents and warrants that he or she has the authority to execute this Agreement on behalf of the entity represented by that individual. This representation is a material term of this Agreement.

20.10 **Opportunity to be Represented by Independent Counsel.** Each of the parties to this Agreement warrants and represents that it has been advised to consult independent counsel of its own choosing and has had a reasonable opportunity to do so prior to executing this Agreement.

20.11 **No Waiver.** The failure of either party to enforce any term, covenant, or condition of this Agreement on the date it is to be performed shall not be construed as a waiver of that party's right to enforce this, or any other, term, covenant, or condition of this Agreement at any later date or as a waiver of any term, covenant, or condition of this Agreement. No waiver shall occur unless the waiver is expressly stated in writing and signed by the person for the party having the authority to expressly waive the benefit or provision, in writing. No oral waivers shall be effective against either party.

20.12 **No Joint Venture and No Third-Party Beneficiaries.** Nothing in this Agreement is intended to create a joint venture, partnership, or common enterprise relationship of any kind between the District and CONSULTANT. No third parties shall be construed as beneficiaries of any term, covenant, or provision of this Agreement.

20.13 **Time of Essence.** The parties agree that time is of the essence as to all matters specified in this Agreement. The parties mutually declare that this is a material term of this Agreement.

20.14 **Notices.** All letters, statements, or notices required pursuant to this Agreement shall be deemed effective upon receipt when personally served, transmitted by facsimile machine, or sent certified mail, return receipt requested, to the following addresses or facsimile numbers:

To: "CONSULTANT"

Nobel Systems, Inc.

Attn: Michael Samuel

President

1030 Nevada St, Ste 202

Redlands, CA 92374

To: "District"

Mission Springs Water District

Attn: Danny Friend

Director of Operations

Mission Springs Water District

66575 2nd Street, Desert Hot Springs, CA 92240

20.15 **Effective Date.** The effective date of this Agreement executed in counterparts in Mission Springs Water District, County of Riverside, State of California, is __, 2024.

Mission Springs Water District
(a public agency)

Dated: _____, 2024

By: _____

Dated: March 29, 2024

Nobel Systems, Inc.


By: 
Michael Samuel, President

Exhibit A

Minimum Hardware:

The GeoViewer cloud applications do not require any server infrastructure. Since the GeoViewer Mobile application only works on iOS at this time, field crews will require Apple iPhones or iPads. GeoViewer Desktop application will require Internet Explorer version 11+ at the minimum, and will work on all major browsers, including IE Edge, Google Chrome, Mozilla Firefox.

Nobel has always researched and sought to use the latest and greatest technologies to provide better service to our customers. For this reason, Nobel Systems set out on an extensive R&D effort and decided to shift to the MapBox to host the data. Nobel Systems uses powerful NodeJS servers and utilizes the technologies of top cloud service providers (AWS and Google) and has branched out into the new Internet of Things Space. All these efforts resulted in a dramatic improvement of speed, performance, and overall efficiency of our applications. We are constantly researching and will develop newer tools every month.

The District will have unlimited licenses/users to access GeoViewer Online and GeoViewer Mobile as a part of this agreement.

Exhibit B

Nobel will provide the appropriate licenses to District to access its data using the following software:

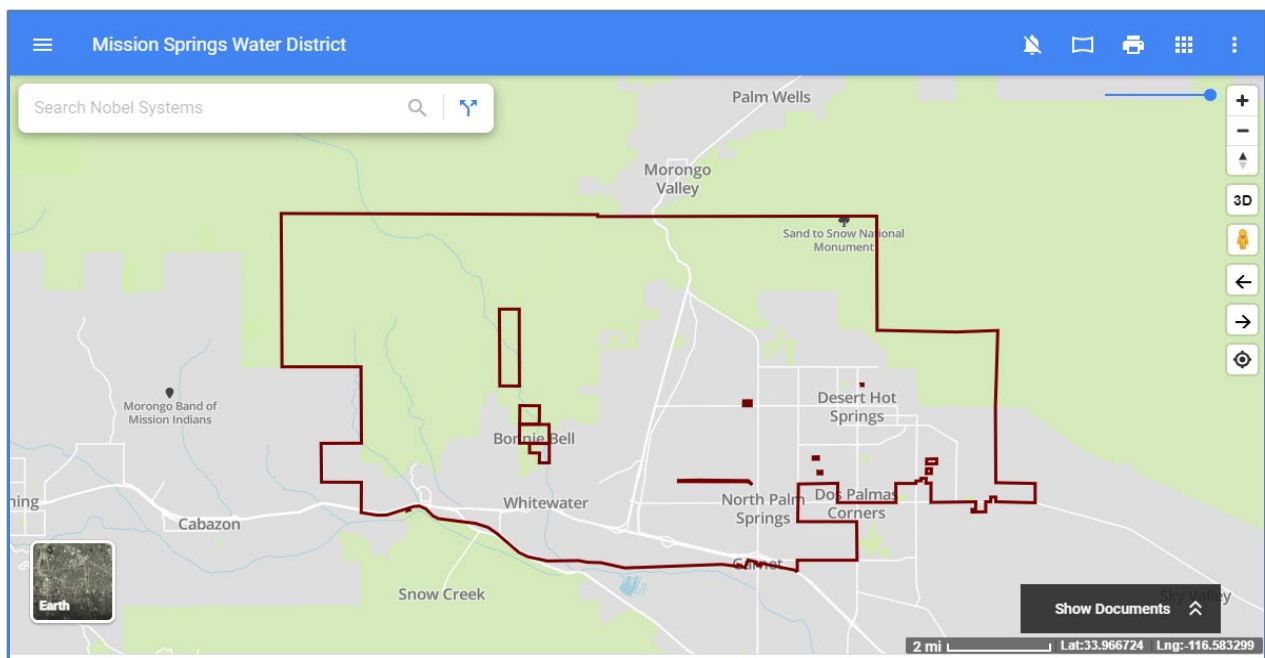
Base GIS application (GeoViewer Online and GeoViewer Mobile) – See description below

The GeoViewer cloud platform utilizes NoSQL as its primary data store to manage big data quickly and efficiently. Most utilities have changing needs as they grow with their enterprise software. They need to add new fields to run reports, modify their business intelligence dashboards, etc. Our NoSQL database allows for these changes to be made quickly and easily. The system shall be capable of allowing public access but shall not allow public access except as directed by the District.

GeoViewer Online:

Nobel's cloud solution, GeoViewer Online, is hosted on servers in a secure tier-4 colocation data facility with an application availability uptime rating of 99.99%. GeoViewer supports the use of several browsers including Google Chrome, Internet Explorer (Version 11+), Firefox, and Safari.

Nobel will provide enterprise level access to the District with individual secure user ID's to manage and distribute to department employees for accessing the GeoViewer Online service. Based upon user ID and associated Groups the end-users will have access to departmental spatial datasets, Google imagery, Google street view and other local government geospatial data through a user-friendly interface. Each user will have unlimited use of GeoViewer Online for as long as the contract remains in force.



- **Interface:** The system is intuitive, user friendly and graphically oriented so that it could be used by anyone without prior training in GIS
- **Performance:** Quick load of data that averages to less than 5 seconds load and/or refresh time for large datasets such as aerial photographs
- **Flexibility & Scalability:** The system could be easily customized to accommodate the present and future needs of any client
- **Reliability:** Our hosting services and application (GeoViewer Online) are available 24 hours a day and seven days a week (24/7)
- **Accessibility Control:** Access to the application and user rights are protected by password; public (password-free) access to selected or all GIS data layers could be provided, if desirable
- **IT Friendly:** Our GeoViewer Online requires basic IT knowledge and computer technical specifications to install, maintain and update –if hosted in client’s servers
- **Free of Proprietary or Third-Party Software:** It does not require any third party or proprietary software on the client–end (user).

Industry Best practices and platform:

The GeoViewer approach to this objective is quite simple. GeoViewer offer an easy-to-use, intuitive interface to Geographic Information Systems that provides the casual user with the ability to access the information they need with little or no formal training.

The main objectives of the system include,

- Ability for non-GIS staff to use the system effectively with less than four hours of training.
- Provide access to interactive Water and Sewer atlas maps from staff desktops through web browser.
- Locate and view an area of interest anywhere within the service area.
- Provide secured access to only authorized users.
- Map updates are seamlessly delivered to system users without any lag time.
- Provide an extensible system that can be enhanced to provide broader functionality and adapt to future software and functionality enhancements.
- Enable direct integration with geographic data repositories, asset management information, linked image libraries, and other information associated with water and sewer system infrastructures.

The GeoViewer was designed with the following assumptions in mind:

- Casual GIS users want fast, easy access to relevant information.
- Casual GIS users do not have the time or desire to learn about topology, Shapefiles, ARC/INFO, theories of GIS, etc.
- Casual GIS users do not want to have to add themes, assign colors, change theme properties, etc.

- Casual GIS users do not want to be bothered with the task of doing map composition. They would much rather print their maps with a standardized template.
- Casual GIS users do not typically need to make large maps themselves and are perfectly happy printing an 8 1/2 by 11 map on a laser or ink jet printer. For the more advanced users, GeoViewer Online Supports multiple paper sizes that is only restriction is the clients printing device.
- Casual GIS users' needs are simple -- They need GeoViewer
- The GeoViewer is a robust and easy to use Enterprise Geographic Information Interface. The GeoViewer is extremely flexible and can be tailored to any dataset.

We at Nobel Systems strongly believe that the functionality provided by GeoViewer will satisfy the needs of the District. The list of features provided by GeoViewer includes but not limited to:

Standard GeoViewer Features:

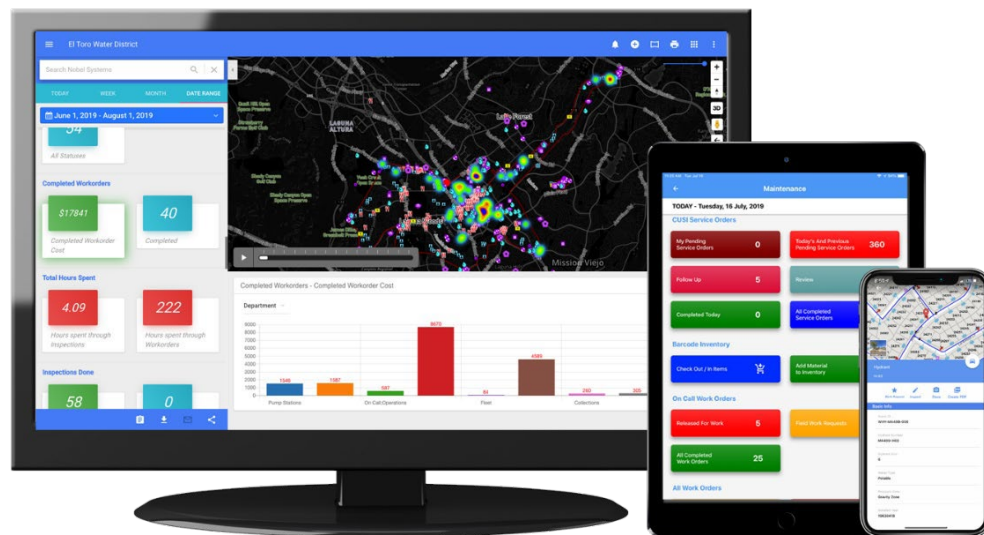
- Standard map navigation including pan, zoom in and zoom out, full extent
- Layer Display
- Creation of Spatial Bookmark
- Google Street View
- Vicinity map that can be used to set the extent of main map, pan the main map, and display the current extent of the main map.
- Property Search. Search by parcel number, situs address, or owner name.
- Supports ESRI Shapefiles, Coverages, Geodatabases, and CAD Drawings
- Also supports a wide variety of images including MrSid.
- Intuitive Select Toolbar. Select multiple features in multiple themes and:
- Find features within a specified distance and generate mailing labels.
- Measure area and length
- Display contents of the selected set in a table format.
- Print map with a title, scale, and neat line.
- Link any number of layers to unlimited number of external databases
- Hyperlink scanned documents to features for easy retrieval.
- GPS location
- Legend and Search Option for Parcels, Valve Number etc.

Nobel Systems has customized the application to include the following:

- Water and Sewer facilities
- Easement GIS database
- Parcel and street Landbase
- District Election boundaries
- Other District GIS layers

GeoViewer Mobile:

By leveraging the latest smart-map and synchronization technology, Nobel's GeoViewer Mobile' is easy to use and was designed to streamline field workflow processes to help manage day-to-day operations. GeoViewer Mobile's advanced technology allows field staff to view, analyze and collect data, online or offline without ever having to worry about impractical syncing procedures. GeoViewer Mobile extends smart map technology beyond the office and provides staff with real-time data to make accurate decisions and collaborate in both office and field environments. Nobel understands the value of mobile mapping to organizations needing immediate access to real-time information, regardless of location, and offers a range of tools that help your staff make informed decisions in the field. GeoViewer is accessible on any device, providing unparalleled service to staff on the go or working in the field. GeoViewer Mobile integrates with existing ERP business systems, SCADA, CMMS, CIS, GPS, LIMS, CCTV, and other enterprise systems. Manage information ranging from open work orders from CMMS to viewing latest SCADA measurements on telemetry equipment.



Powerful Functionality:

- Online/Offline Work Modes
- Search, Display, Redlining, Bookmarks, Pan, Zoom
- Identify & View Object Locations & Asset Data
- View Customer Data, Work History, Service Calls, As-Built De-sign Drawings, and more
- Process Driven Modules for Daily Field Work Order, Inspections and Condition Assessment data collection
- Integrated GPS & Camera for Field Data Collection & Stream-lined GIS Updates
- Custom GeoViewer Modules available for USA Dig Alert, Work/Service Order Management, Valve Isolation Analysis, Leak Data Collection and Hydrant Flushing data collection
- District can view the data that were collected in the field through iPad and generate the reports by using GeoViewer online application.

Exhibit C

Nobel will provide tech support in accordance with Exhibit C

- 1) Types of support
 - a) Phone – From 6:30 AM to 7 PM Monday through Friday
 - b) On-Site – upon request, up to one visit per month at no charge.
 - c) Email - Nobel shall respond to email requests for information within 24 hours.
 - d) Problem Resolution System - Nobel shall provide a problem and resolution (PAR) tracking mechanism, which documents issues or data content anomalies, which require review and resolution by Nobel. Typically, PAR forms are generated as needed, reviewed by the project manager, and then forwarded to Nobel.
- 2) Amount of support shall be unlimited.
- 3) Communication support and configuration - Nobel, while not strictly liable for communication system performance, shall provide a good faith effort to assist the District in configuring a communication system that will interface with Nobel's system and achieve maximum speed of data transfers.
- 4) Training – Annually, Nobel will provide a one-day training seminar once a year at the District's office at no extra charge. Additionally, Nobel will offer additional trainings at no costs if needed.

Exhibit D

Nobel will provide map update and data conversion services in accordance with the following:

1) **Annual base map update** – Nobel will update the base map data provided by Riverside County within 60 days of receipt of this data on an annual basis. All required database adjustments shall be included in this update process. This annual update shall be performed at no cost to the District.

2) **Hourly Costs for time & materials-based work**

a) Project Director	-	\$180 per hour
b) Project Manager	-	\$160 per hour
c) Systems Architect	-	\$130 per hour
d) Senior Applications Developer	-	\$150 per hour
e) Senior GIS Analyst	-	\$100 per hour
f) Bangalore support services	-	\$50 per hour

All direct costs are included.

Exhibit E

Nobel will provide Data updates in accordance with the following:

- 1) **Digital Images** - Nobel will provide a system that District staff can use to link digital images to various features in the GIS system. An indexing system shall be devised so that these images can be retrieved in an orderly manner. District staff can attach/upload as many as images that needed for each of their inspections/Work Order/DigAlert Tickets.
- 2) **Database copies** - Nobel shall provide a complete set of up-to-date data for mapping, imaging, and database systems on an annual basis. These data shall be provided on **Box.com** or any other shared link and shall be labeled with the nature of the data and the date.

Exhibit F

Performance Requirements:

- 1) **System Uptime** – the District shall always have access to the GIS data except during allowable maintenance time periods set forth below:
 - a) Weekdays – 12:00 AM to 2:00 AM
 - b) Weekends, holidays – 10:00 PM to 2:00 AM
- 2) **Emergency restart** – If the District has an emergency need for data during one of the allowable maintenance periods, Nobel shall restart the system and provide access within 30 minutes of notification by telephone.
- 3) **Liquidated damages** – Nobel shall not be held liable for any liquidated damages caused by the system being out of service.
- 4) All data on the remote system shall be encrypted. All communication from device to data center shall be encrypted.
- 5) The remote system should provide for multiple backups or checkpoints of District data.

EXHIBIT G

1. SUBSCRIPTION FEES:

YEARLY SUBSCRIPTION FEES: **\$63,129.00** per year.

Notes:

- The above subscription fee includes the below listed items.

Items Description	Hosting Period	Costs
MSWD GeoViewer Mobile	3/1/2024 to 2/28/2025	\$16,500.00
MSWD GeoViewer Online	5/1/2024 to 4/30/2025	\$13,200.00
MSWD Unlimited Field Forms	5/1/2024 to 4/30/2025	\$10,780.00
MSWD CoreLogic	7/1/2024 to 6/30/2025	\$6,149.00
MSWD CMMS Work Order Module	7/1/2024 to 6/30/2025	\$11,000.00
MSWD Public Viewer	9/1/2024 to 8/31/2025	\$5,500.00
Total Costs		\$63,129.00

Total Fee Year One (1)	\$63,129.00
Total Fee Year Two (2)	\$63,129.00
Total Fee Year Three (3)	\$63,129.00

AGENDA STAFF REPORT

MEETING NAME: REGULAR BOARD MEETING(S)

MEETING DATE(S): APRIL 11 & 15, 2024

FROM: BRIAN MACY – GENERAL MANAGER

FOR: ACTION X DIRECTION _____ INFORMATION _____



DISCUSS RIVERSIDE LOCAL AGENCY FORMATION COMMISSION ELECTION OF TWO POSITIONS

STAFF RECOMMENDATION

Consider the nominees for two Riverside Local Agency Formation Commission (LAFCO) positions up for election and have the Board President cast a vote for a Regular Special District Member from the Eastern Region of the County and an Alternate Special District Member Countywide.

SUMMARY

The LAFCO Special District Selection Committee (SDSC) has conducted its elections at a physical meeting in conjunction with a dinner meeting hosted by the Special District Association of Riverside County. Due to cost and logistics, it has been determined such a physical meeting is not entirely feasible. Therefore, this election (and likely subsequent elections) will be conducted by electronic mail (e-mail).

ANALYSIS

Presiding officers from all Districts are eligible to vote for the positions. The terms of the incumbents, Regular District Commissioner Castulo Estrada- East Region, and Alternate District Commissioner Steve Pastor expire on May 6, 2024. However, by statute the incumbents will continue to serve until a successor is appointed, if necessary. The new term will run through May 1, 2028. MSWD is to cast its vote for the LAFCO positions no later than 5:00 pm on April 15, 2024.

FINANCIAL DATA		
Cost Associated with this action:		\$0
Current FY cost:		\$0
Future FY cost:		\$0
Is it covered in current year budget:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Budget adjustment needed:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
If yes, year needed:		NA
All previous contracts including dates, amounts and board approvals are attached or have been made available.		
FUNDING SOURCES		
Source of funds:		N/A
BID/Job#		N/A
Current BID/Job balance		N/A
Balance remaining if approved:		N/A

FISCAL IMPACT & STRATEGIC PLAN IMPLEMENTATION

There is no fiscal impact related to this item. This action is consistent with Strategic Plan Smart Goal 1.4 -Cultivate positive community relations and partnerships with industry, media, and legislative contacts.

ATTACHMENT

SDSC Official Ballots, Candidate Statements and Letters of Support

February 15, 2024

via electronic mail

**SPECIAL DISTRICT SELECTION COMMITTEE
REGULAR MEMBER
2024 BALLOT**

Name of District: _____
Print District Name Here (required)

Certification of voting member:

I, _____ hereby certify that I am (check one):
Print Name Here (required)

- The presiding officer of the above-named district.
- A member of the board of the above-named district authorized by the board to vote in place of the presiding officer. [Authorization previously transmitted attached]

Signature (required)

Date (required)

**Regular Special District Member of the
Local Agency Formation Commission – Eastern Region – Riverside County**
(Term running May 6, 2024 through May 1, 2028)

Please rank the candidates in preferential order, "1" being the first preference, "2" being the second.

	<i>Circle rank for each candidate</i>	
BRUCE UNDERWOOD, Coachella Valley Public Cemetery District	1	2
CÁSTULO ESTRADA, Coachella Valley Water District	1	2

Listed in random drawing order conducted on 2/14/2024 at 9:39 a.m.

Completed ballots must be delivered via electronic mail to rholtzclaw@lafco.org, or by regular mail or hand delivered to the LAFCO office at 6216 Brockton Avenue, Suite 111-B, Riverside CA 92506 **no later than 5:00 p.m. on April 15, 2024.**

February 15, 2024

via electronic mail

**SPECIAL DISTRICT SELECTION COMMITTEE
ALTERNATE MEMBER
2024 BALLOT**

Name of District: _____
Print District Name Here (required)

Certification of voting member:

I, _____ hereby certify that I am (check one):
Print Name Here (required)

- The presiding officer of the above-named district.
- A member of the board of the above-named district authorized by the board to vote in place of the presiding officer. [Authorization previously transmitted attached]

Signature (required) _____ Date (required)

**Alternate Special District Member of the
Local Agency Formation Commission (Countywide)**
(Term running May 6, 2024 through May 1, 2028)

Please rank the candidates in preferential order, "1" being the first preference, "2" being the second, etc.:

	<i>Circle rank for each candidate</i>				
BERNARD MURPHY, Rubidoux Community Services District	1	2	3	4	5
STEVE PASTOR, Lake Hemet Municipal Water District	1	2	3	4	5
ANGELA LITTLE, Valley-Wide Recreation & Park District	1	2	3	4	5
HARVEY RYAN, Elsinore Valley Municipal Water District	1	2	3	4	5
RICHARD LAWHEAD, Beaumont-Cherry Valley Recreation & Park District	1	2	3	4	5

Listed in random drawing order conducted on 2/14/2024 at 9:39 a.m.

Completed ballots must be delivered via electronic mail to rholtzclaw@lafco.org, or by regular mail or hand delivered to the LAFCO office at 6216 Brockton Avenue, Suite 111-B, Riverside CA 92506 **no later than 5:00 p.m. on April 15, 2024.**



February 15, 2024

via electronic mail

2024 BALLOT INSTRUCTIONS FOR SPECIAL DISTRICT SELECTION COMMITTEE- ONE (1) EASTERN REGION REGULAR MEMBER AND ONE (1) COUNTYWIDE ALTERNATE MEMBER OF THE RIVERSIDE LOCAL AGENCY FORMATION COMMISSION

To the Special District Selection Committee (Presiding Officers of Independent Special Districts of Riverside County c/o District Clerks):

Please read these instructions carefully before completing your ballots.

As previously announced, a physical meeting of the Special District Selection Committee (SDSC) is not feasible at this time, therefore, the selection proceedings are being conducted by electronic mail or regular USPS mail. A nomination period for the positions in the title above was opened on December 15, 2023, and closed at 5:00 p.m. on February 13, 2024.

Enclosed you will find an official election ballot for each position as follows:

One (1) LAFCO Regular Special District Member – Eastern Region: A total of two (2) eligible nominations were received for this position. Although candidates were restricted to the Eastern Region area of the County, all members of the SDSC may cast ballots for this position.

One (1) LAFCO Alternate Special District Member – Countywide: A total of five (5) eligible nominations were received for this position. Candidates for the Alternate Special District Member are not restricted to a Region, and all members of the SDSC may cast ballots for this position.

All members of the SDSC may cast a ballot for one (1) Regular member for the Eastern Region, and one (1) for the Alternate member Countywide.

Pursuant to procedures adopted by the Selection Committee in 2016, the election for a LAFCO regular member position will be conducted using Instant Runoff Voting (IRV). IRV eliminates the requirement for the expensive and lengthy process of sending out a second runoff ballot to achieve a majority. An example demonstrating how IRV works is attached.

Please fill out your ballot by ranking each region's nominees in the order of preference, using "1" for your first choice, "2" for your second choice, "3" for your third choice and so on. Please note ranking more than one candidate will not work against your first choice candidate, however, voting for only one candidate is allowed. Do not mark the same number beside more than one candidate and do not skip numbers.

2024 BALLOT INSTRUCTIONS

Page 2 of 2

General Instructions and Information:

- Completed ballots must be delivered via electronic mail to rholtzclaw@lafco.org, or by regular mail or hand delivered to the LAFCO office at 6216 Brockton Avenue, Suite 111-B, Riverside CA 92506 **no later than 5:00 p.m. on Monday, April 15, 2024.**
- Only the presiding officer or another board member authorized by your board of directors to vote, may cast the ballots. Board members designated by their district board to vote in place of the presiding officer must provide that authorization (in the form of a resolution or minute order) to LAFCO no later than the time the ballots are cast. District managers or other staff members may not vote.
- The voting member must print his or her name on the ballots as well as sign and date the certification indicating he or she is authorized to vote for the district.
- We must receive each ballot with an original signature. However, if you deliver your ballot via electronic mail, you may return a scanned copy of the signed ballot by email to rholtzclaw@lafco.org
- Failure to follow these instructions will invalidate the ballot not meeting these requirements.

Finally, these positions ensure special districts are appropriately represented on the LAFCO Commission. Appointments are only valid if ballots representing a quorum, from 29 of our 55 independent special districts, are returned. Please return your ballots in a timely manner.

If you have any questions, please contact our office at (951) 369-0631.

Sincerely,

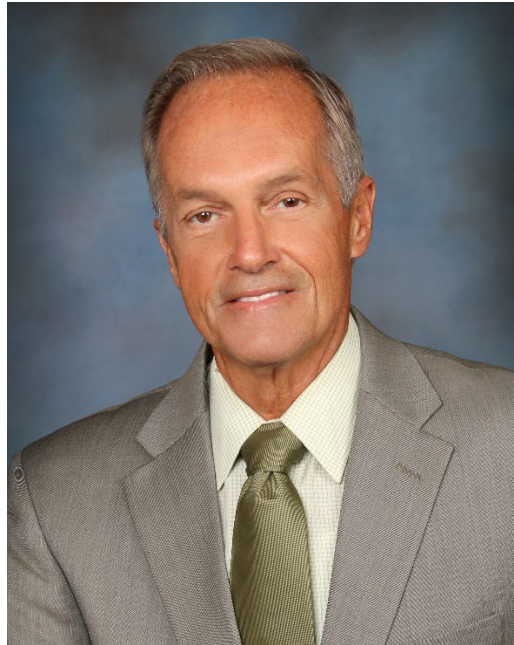


Gary Thompson
Executive Officer

cc: Special District Selection Committee - District Managers

Attachments:

2024 Special District Selection Committee – Official Election Ballots
Instant Runoff Voting Election Process (IRV)



Harvey Ryan

Candidate Statement

Hello, I'm Harvey Ryan, a Lake Elsinore resident for over 35 years. My wife and I have joyfully raised four kids in this wonderful community. Engaging with our neighbors and actively participating in local initiatives has been a fulfilling journey for us.

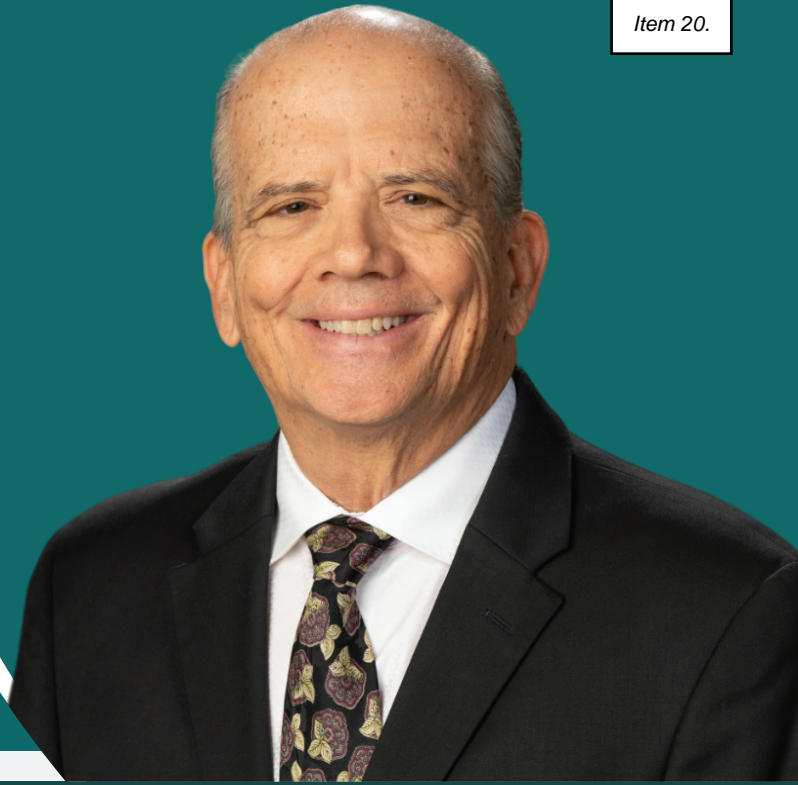
In my professional journey, I've thrived in the business sector, with a successful track record in the automobile industry—managing and owning businesses for over 25 years. My knack for objective thinking, honed through my experiences, is an asset that I believe is crucial in community service.

For more than three decades, my dedication to Lake Elsinore has taken various forms. I've actively contributed to local organizations, from serving as the vice president of Little League to being the president of the football boosters. My involvement extends to key roles in the Lake Elsinore RDA Committee, Planning Commission, and other local committees. Volunteering with HOPE, a local food distribution organization, and currently presiding as the board president of the Kennedie June Von Ryan Foundation, reflect my commitment to giving back. For the past 20 years, I've been a proud board member of the Elsinore Municipal Water District, consistently making a positive impact.

If chosen, I look forward to being a positive influence on the growth of our great county.



**Bruce Underwood,
Dr. P.H., C.N.S.**



CANDIDATE STATEMENT

I am pleased to announce my candidacy for the special district (eastern) representative seat on the Riverside County Local Agency Formation Commission (LAFCO).

Serving on the Coachella Valley Public Cemetery District Board, I am the former President and a current Trustee. I began my service on the Board in 2018 and am currently serving my second term. My experience and commitment to supporting the vital role Special Districts play in our community is extensive, including past service on the Board of the Coachella Valley Recreation and Park District, and the Coachella Valley Mosquito and Vector Control District. In my professional capacity I have also worked with several local Special Districts supporting their employees through healthy living initiatives. My knowledge, background and experience with Special Districts is broad, a unique knowledge set I hope to bring to the LAFCO commission.

My service in the community has also provided me unique perspectives on leadership and problem solving. I have had the great pleasure of working with organizations that make a difference in our community, including the Heart Institute of the Desert Foundation, The Regional Access Project, the American Preventive Care Association, and many more. I have also been afforded the opportunity to shape future leaders, working in education at Chapman University and the Loma Linda University School of Public Health. In a career that has spanned twenty-five years of experience and community involvement, with increasing levels of responsibility and leadership, I have earned a reputation for professional competency, civic responsibility, and personal integrity among colleagues, clients, students, and community leaders.

Special Districts are unique, and they deserve representation with a depth of knowledge and understanding that spans the vast scope of critical services they provide. With Special District experience that stretches across eastern Riverside County, and a broad scope of services, mine will be a voice of fair and reasoned oversight on this important commission.

I look forward to being your voice in government.



Please join us in supporting:
Cástulo R. Estrada
for Riverside Eastern Area LAFCO Special District Representative

March 18, 2024

As a local special district, you undoubtedly are aware of the Riverside Local Agency Formation Commission (LAFCO) Special District board member and alternate elections. An election to fill these positions will take place following the nomination process now underway and scheduled to close on April 15, 2024. I am writing to you in

support of Coachella Valley Water District Board member Castulo Estrada who we have nominated for the eastern region regular member position.

Cástulo R. Estrada, is a native of the Eastern Coachella Valley, working for the City of Coachella as their Utilities Manager. He resides in the City of Coachella with his wife, Cindy, and two children.

In addition to his position with the City of Coachella, Mr. Estrada has served on the Salton Sea Authority Board of Directors since 2014, including serving as the President of the Board in 2019/2020, and currently as the Secretary. Mr. Estrada was appointed in 2019, and reappointed in 2020, as a member of the State Water Resources Control Board's Statewide and Regional Safe and Affordable Funding for Equity and Resilience (SAFER) Program Advisory Group.

Currently, Mr. Estrada serves as the Board Vice President at Coachella Valley Water District. Mr. Estrada was elected to a four-year term at CVWD beginning in 2014, was re-elected in 2018 and appointed without opposition in 2022 to his current term which ends in 2026.

Mr. Estrada formed the Coachella Valley Disadvantaged Communities Task Force which works to secure access to safe affordable drinking water, wastewater, and flood control services in historically disadvantaged Coachella Valley regions through strategic planning, funding procurement, needs assessment, and reporting – all in collaboration with community members and stakeholders.

Cástulo R. Estrada brings a wide range of knowledge and commitment which our special district is honored to have. His dedicated leadership abilities have contributed significantly to the Coachella Valley and surrounding areas he serves. Please join us by supporting Cástulo R. Estrada.

We ask that you **support Cástulo R. Estrada** as the Regular Special District Member of the Riverside LAFCO Eastern Area, at the upcoming election to be held April 15, 2024.

Sincerely,



J. M. Barrett
General Manager



Coachella Valley Water District, PO Box 1058 Coachella, CA 92236
Phone (760) 398-2651 | [Contact Us](#)



Rubidoux Community Services District

Board of Directors

John Skerbelis, President
 Hank Trueba Jr., Vice-President
 Bernard Murphy
 Armando Muniz
 F. Forest Trowbridge

General Manager

Brian R. Laddusaw



Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

February 29, 2024

To Special District Board Presiding Officers and District Clerks

To Whom it May Concern:

The Rubidoux Community Services District (“Rubidoux”) is proud to endorse Bernard Murphy for the Local Agency Formation Commission (“LAFCO”) of Riverside County Alternate Special District Member – Countywide seat.

Mr. Murphy brings a wealth of experience and expertise to this role, particularly in the realms of water and wastewater infrastructure. His tenure on the Rubidoux Board of Directors, which began with his appointment in April 2016 and subsequent election that same year, has been marked by dedicated service and exemplary leadership. Mr. Murphy has demonstrated his commitment to Rubidoux's mission through two terms as Board President, first in 2018 and most recently in 2023.

As California's first community services district, Rubidoux has a long history of providing essential services to its residents. From water and wastewater management to solid waste disposal, fire protection, weed abatement and street lighting, Rubidoux's contributions have been instrumental in the development and growth of the region, culminating in the incorporation of the City of Jurupa Valley in 2011.

Mr. Murphy's professional background spans over 25 years in the engineering industry, with notable positions at esteemed firms such as JF Davidson Associates, Inc., the Army Corps of Engineers, and Hewitt Zollars. His specialization in storm drains projects and his current role at the Riverside County Flood Control and Water Conservation District underscore his expertise in infrastructure development and water resource management. Given his extensive experience and proven track record of community engagement, Mr. Murphy is eminently qualified to serve on the LAFCO Board. His deep understanding of the complexities of local governance, coupled with his engineering acumen, make him an ideal candidate for this position.

Rubidoux wholeheartedly endorses Mr. Murphy's candidacy and urges your support for his election to the LAFCO Board. Should you have any questions or require further information, please do not hesitate to contact Rubidoux at (951) 684-7580 or Mr. Murphy directly at (951) 790-2347.

Water Resource Management Refuse Collection Street Lights Fire / Emergency Services Weed Abatement

Thank you for considering this endorsement.

Sincerely,



BRIAN R. LADDUSAW, CPA
General Manager



BOARD OF DIRECTORS
Chance Edmondson, President
Harvey R. Ryan, Vice President

Jack T. Ferguson, Treasurer
Darcy M. Burke, Director
Andy Morris, Director

Item 20.

GENERAL MANAGER
LEGAL COUNSEL
DISTRICT SECRETARY

Greg Thomas
Best, Best & Krieger
Christy Gonzalez, Acting

February 20, 2024

To Special District Board Presiding Officers and District Clerks

To Whom it May Concern:

On behalf of Elsinore Valley Municipal Water District it is with highest regard that we request your district's support and vote for EVMWD's Vice President Harvey R. Ryan for the Alternate Special District Countywide seat on the Riverside County Local Agency Formation Commission (LAFCO).

EVMWD believes Director Ryan is an ideal candidate and highly qualified for this seat. He understands the dynamics of the region, has been a long-time resident and is highly involved in the community and public service. He brings a wealth of knowledge and a wide range of expertise in planning and development. He has served on the City Planning Commission and the RDA and has served on EVMWD's board for more than 20 years. He is currently Vice President of the Board and serves on several committees and as District representative for multiple organizations including Legislative, Conservation & Outreach, Finance & Administration Committee, Engineering and Operations Committee, Water Planning Committee, Groundwater Advisory, EMWD Group, Lake Elsinore Chamber of Commerce, ACWA Region 9, and several others.

EVMWD believes that Harvey R. Ryan will do an excellent job representing the special districts on LAFCO. With his extensive experience and passion for serving the region along with the support and resources of EVMWD, EVMWD has the upmost confidence he will add value and be a highly regarded member to the proceedings at Riverside County LAFCO.

Sincerely,

A handwritten signature in black ink, appearing to read "Chance Edmondson", written over a light blue horizontal line.

Chance Edmondson
Board President

Morning Esteemed Colleagues and Leaders of Special Districts in Riverside County,

On behalf of Elsinore Valley Municipal Water District (EVMWD), I humbly request your district's support and vote for Director Harvey R. Ryan for the Alternate Special District Countywide seat on the Riverside County Local Agency Formation Commission (LAFCO). I've attached his biography for reference.

Director Ryan has been serving the public for over 20 years as a member of the EVMWD Board of Directors. I feel Director Ryan is an ideal candidate and suitably qualified for this seat. As a long term resident of the region, he has seen the area grow, and understands the dynamics of all the moving parts that make a community effective and what it can be. He is extremely involved in the community and providing excellent public service, whether as a board member for EVMWD or through his numerous charitable and philanthropic work. He has a passion for education and helping young people succeed, which is admirable in today's society. Additionally, he brings a wealth of knowledge and a wide range of expertise in planning and development, where he has served on the Lake Elsinore City Planning Commission and the RDA, and is frequently sought out by local city council or county officials for advice and information. He is currently the Vice President of the Board, serving on several committees and as District representative for multiple organizations including Legislative, Conservation & Outreach Committee, Finance & Administration Committee, Engineering and Operations Committee, Water Planning Committee, Groundwater Advisory Committee, EMWD/EVMWD Group representative, Lake Elsinore Chamber of Commerce, and several others. In fact, he was recently the Chair of ACWA Region 9, where he was recognized for his leadership in advancing the aims and needs of the region at the state level. Lastly, he has made numerous trips to Sacramento and Washington DC over the 20 years working to advance the needs of the region, support or oppose legislation or regulations that impact the dist

Item 20.

and region, and obtain various funds that help lower costs to our ratepayers and improve the health of our customers.

I believe that Harvey will do an excellent job representing ALL special districts on LAFCO. With his extensive experience and passion for serving the region along with the support and resources of EVMWD, EVMWD has the upmost confidence he will add value and be a highly regarded member to the proceedings at Riverside County LAFCO.

Please let me know if you have any questions or need any additional information.
Sincerely,
Greg

Greg Thomas

General Manager

Elsinore Valley Municipal Water District

951-674-3146 Ext. 8243

31315 Chaney Street, Lake Elsinore, CA 92530



**TOP
WORK
PLACES
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The Press-Enterprise • The Sun
The Facts • Inland Valley Daily Bulletin

Elsinore Valley Municipal Water
District is a 2022 Top Workplace!
4 Years Running



BOARD OF DIRECTORS SPECIAL MEETING (WORKSHOP) MINUTES

Wednesday, March 06, 2024 at 9:00 AM

66575 Second St, Desert Hot Springs, CA AND/OR Via Teleconference

CALL TO ORDER

President Sewell called the meeting to order at 9:00 AM.

ROLL CALL

BOARD MEMBERS PRESENT: President Ivan Sewell, Vice President Robert Griffith, Director Russ Martin, Director Amber Duff, Director Ted Mayrhofen

STAFF MEMBERS PRESENT: Brian Macy, Marion Champion, Arturo Ceja, Danny Friend, Eric Weck, Kurt Kettenacker, Oriana Hoffert, Danny Friend, April Scott, Dori Petee

PUBLIC INPUT

No public input.

ITEMS FOR DISCUSSION

ENGINEERING DEPARTMENT UPDATE

Brian Macy, General Manager, presented a spreadsheet displaying all projects for the Engineering Department. The spreadsheet noted the contract amount, what has been spent, and what is left to spend. The Board briefly discussed various projects listed.

DRAFT AUDIT REPORT

Arturo Ceja, Director of Finance, introduced the District's first Annual Comprehensive Financial Report. In the past, the District had only prepared financial statements. This report will allow us to present more information to the public. Mr. Ceja briefly explained the audit process and reviewed the draft report with the Board.

SOLAR PROJECT DISCUSSION

Brian Macy, General Manager, noted that this discussion presents an opportunity to see the project we discussed from a different perspective. The previous project would have required MSWD to finance the entire project, impacting our borrowing capacity.

Tim Holmes from Kenwood Energy presented to the board. Kenwood Energy is a consulting company for energy management. Kenwood analyzes energy data to help customers with proposal requests and project management. It does not sell products or offer contracting services.

Tim briefly reviewed a summary of the previous project and discussed the advantages and disadvantages of lease options and power purchase agreements.

There was a lengthy discussion regarding the RFP process and costs vs benefits.

GENERAL MANAGER'S COMMENTS

General Manager, Brian Macy noted the time spent in Washington D.C., met with several Senators and Staff.

DIRECTORS' COMMENTS

Director Duff stated how grateful she was for the experience of going to Washington D.C. on behalf of the District. She also addressed the Developer Handbook that was recently discussed at a previous Board Meeting and noted she looked at the City's code and addressed the disconnect between the two.

Director Martin commented on the work that goes into preparing for these meetings.

ADJOURN

With no further business, President Sewell adjourned the meeting at 10:21 AM.

Respectfully submitted,

Dori Petee
Executive Assistant



BOARD OF DIRECTORS REGULAR MEETING STUDY SESSION MINUTES

Thursday, March 14, 2024 at 3:00 PM

66575 Second St, Desert Hot Springs, CA AND/OR Via Teleconference

CALL TO ORDER

President Sewell called the meeting to order at 3:00 P.M.

ROLL CALL

BOARD MEMBERS PRESENT: President Ivan Sewell, Vice President Robert Griffith, Director Russ Martin, Director Amber Duff, Director Ted Mayrhofen

STAFF MEMBERS PRESENT: Brian Macy, Marion Champion, Arturo Ceja, Danny Friend, Eric Weck, Kurt Kettenacker, Theresa Murphy, April Scott, Amanda Lucas, Arthur Cabrera, Carol Morin, Cynthia Acosta, Oriana Hoffert, Rachel Pust, William Whitten

RULES OF PROCEDURE

Rules of Procedure were read by General Counsel, John Pinkney.

All noticed meetings are conducted using Rosenberg's Rules of Order as a procedural guideline. Directors should refrain from responding directly to public comments at meetings of the Board. The Board President will refer matters raised during public comment to the General Manager for follow-up when appropriate. Occasionally, a prompt response may be offered when an obvious answer resolution is available provided this is done in compliance with the Brown Act. Directors should refrain from debating or making decisions in response to public comments. The President of the Board presides at all meetings and decides all points of order and procedure during meetings. The President is responsible for maintenance and decorum at all Board meetings. No person shall be allowed to speak who is not first been recognized by the President. All questions and remarks should be addressed to the President as the presiding officer. No member of the Board should speak more than once about any one subject until every other member on the Board wishing to speak on the subject shall have been given the opportunity to speak. No Board member shall interfere with the orderly progress of a Board meeting. In order to ensure the orderly progress of Board meetings the Board President regulates the amount of time to be dedicated to a particular agenda item."

PUBLIC INPUT

No public input

EMPLOYEE RECOGNITION

HUMAN RESOURCES REPORT

This item will be fully acknowledged on Monday, March 18, 2024.

ACTION ITEMS

PUBLIC HEARING ~ ORDINANCE 2024-01 ~ ESTABLISHING RULES AND REGULATIONS FOR SEWER SERVICE

It is recommended to conduct the public hearing and adopt Ordinance 2024-01, amending Ordinance 2008-2, establishing the rules and regulations for sewer service, Article VI Industrial Discharges.

Eric Weck presented this item. Significant changes include but are not limited to, the following: The definition of Industrial Waste was clearly defined, and it develops and defines the application process. More importantly, Article VI updates the District's discharge and constituent limits. He noted the current and proposed constituents. Additional modifications include adding verbiage to amend the conditions of Facility Industrial Discharge Permits if necessary.

MISSION SPRINGS WATER DISTRICT 2024 STRATEGIC PLAN ADOPTION

It is recommended to adopt the 2024 Strategic Plan.

Marion Champion presented the 2024 Strategic Plan. The document focuses on the Seven SMART Goals of Mission Springs Board Members and Staff: customer communications, water supply, financial management, system reliability, environmental sustainability, technology & processes, and workforce excellence. This document provides a clear strategy, direction, and priority for completing tasks and ensuring clarity for staff.

CONTRACT AMENDMENTS FOR CONSTRUCTION AND CONSTRUCTION SUPPORT AND INSPECTION SERVICES FOR THE WELL 42 PROJECT

It is recommended to authorize the General Manager to execute contract amendments with AECOM Technical Services Inc., EnviroLogic Resources Inc., and TKE Engineering Inc., for additional engineering services during construction and with Rollapart Buildings Inc. for additional construction support and inspection services during the construction of the Well 42 Project in the amount of \$113,605.00.

Eric Weck presented this item, which was carried over from the February board meetings, as the board was not ready to move forward with this project due to questions about our consulting project manager. Mr. Weck reviewed the details of the project over the last two years.

ACCEPT ANNUAL COMPREHENSIVE FINANCIAL REPORT FOR YEAR ENDED JUNE 30, 2023

It is recommended to review and accept the annual comprehensive financial report as presented by Rogers, Anderson, Malody & Scott, LLP.

Arturo Ceja presented this item. He introduced Rogers, Anderson, Malody & Scott (RAMS) representatives, who presented the Annual Comprehensive Financial Report.

NOTICE OF ACCEPTANCE OF THE SUPPLEMENTAL ENVIRONMENTAL PROJECT

It is recommended to accept the Supplemental Environmental Project as complete and authorize the release of retention money held for R.E. Chaffee Construction, Inc., in the amount of \$19,843.85, thirty-five days after filing the Notice of Completion (NOC).

Eric Weck presented this item. This project was a septic-to-sewer conversion to mitigate potential groundwater impacts. Twenty-one properties were selected based on their proximity to existing water production wells and the feasibility of connecting them to the existing sewer collection system.

QUITCLAIM EXISTING PUBLIC UTILITY EASEMENTS ON ADJACENT PROPERTIES APN 642-192-019 AND 642-192-020

It is recommended to authorize the General Manager to take the necessary actions to record a permanent quitclaim of the portions of the utility easements not in use by Mission Springs Water

District for residential construction on real properties in the City of Desert Hot Springs, APN 642-192-019 and 642-192-020.

Eric Weck presented this item to the Board. Both neighboring properties are vacant, and the developer proposes constructing a duplex building on each property and asks that MSWD vacate the easements on each property. MSWD is not currently using the proposed easements, and the District does not need them to provide service to those properties.

DISCUSSION ITEMS

NANCY WRIGHT REGIONAL WATER RECLAMATION FACILITY UPDATE

Terry Renner of TKE provided a construction update to the Board. He also provided funding and permitting updates.

CRITICAL SERVICES CENTER AND ADMINISTRATIVE BUILDING UPDATE

Project Manager Alvin Flores provided a design update to the Board. The Board provided feedback on the current layout and design.

CONSENT AGENDA

APPROVAL OF MINUTES

It is recommended to approve the minutes as follows:

February 13, 2024 - Special Meeting Workshop Minutes

February 15, 2024 - Study Session Minutes

February 20, 2024 - Board Meeting Minutes

REGISTER OF DEMANDS

The register of demands totaling \$2,544,544.45

Vice President Griffith pulled the register for discussion. Arturo Ceja addressed questions raised about the report.

REPORTS

DIRECTOR'S REPORTS

All reports will be given on Monday.

GENERAL MANAGER'S REPORT

The following oral reports are included in this report: Finance and Public Affairs reports will be given on Monday. General Manager Macy addressed the Organizational Update and announced Marion Champion's promotion to Assistant General Manager. The Board briefly discussed lowering costs and improving efficiencies. The Board discussed agendaizing this for further discussion.

A. Organizational Update

B. Finance Report

C. Public Affairs Report

COMMENTS

DISTRICT COUNSEL COMMENTS

General Counsel summarized the items his office has worked on for the District.

DIRECTOR COMMENTS AND REQUESTS FOR FUTURE AGENDA ITEMS

- A. Director General Comments
- B. Director Requests for Future Agenda Item

ADJOURN

With no further business, President Sewell adjourned the meeting at 5:01 PM.

Respectfully submitted,

Dori Petee
Executive Assistant



BOARD OF DIRECTORS REGULAR MEETING MINUTES

Monday, March 18, 2024 at 3:00 PM

66575 Second St, Desert Hot Springs, CA AND/OR Via Teleconference

CALL TO ORDER

President Sewell called the meeting to order at 3:00 P.M.

PLEDGE OF ALLEGIANCE

Director Martin led the pledge. A moment of silence was offered for Brian Nestande, California State Assemblyman, who passed suddenly on March 6, 2024.

ROLL CALL

BOARD MEMBERS PRESENT: President Ivan Sewell, Vice President Robert Griffith, Director Russ Martin, Director Amber Duff, Director Ted Mayrhofen

STAFF MEMBERS PRESENT: Brian Macy, Marion Champion, Kurt Kettenacker, Arturo Ceja, Danny Friend, Eric Weck, Oriana Hoffert, Amanda Lucas, Ana Murillo, Arthur Cabrera, William Whitten, Andrea Varela, Chad Finch, Theresa Murphy, Rachel Pust, Carol Morin, Dori Petee

RULES OF PROCEDURE

Rules of Procedure were read by General Counsel, John Pinkney.

All noticed meetings are conducted using Rosenberg’s Rules of Order as a procedural guideline. Directors should refrain from responding directly to public comments at meetings of the Board. The Board President will refer matters raised during public comment to the General Manager for follow-up when appropriate. Occasionally, a prompt response may be offered when an obvious answer resolution is available provided this is done in compliance with the Brown Act. Directors should refrain from debating or making decisions in response to public comments. The President of the Board presides at all meetings and decides all points of order and procedure during meetings. The President is responsible for maintenance and decorum at all Board meetings. No person shall be allowed to speak who is not first been recognized by the President. All questions and remarks should be addressed to the President as the presiding officer. No member of the Board should speak more than once about any one subject until every other member on the Board wishing to speak on the subject shall have been given the opportunity to speak. No Board member shall interfere with the orderly progress of a Board meeting. In order to ensure the orderly progress of Board meetings the Board President regulates the amount of time to be dedicated to a particular agenda item.”

PUBLIC INPUT

No public input

EMPLOYEE RECOGNITION

HUMAN RESOURCES REPORT

The Board briefly acknowledged the following employees:

ANNIVERSARIES

Chad Finch	Water Production Supervisor	2 Years
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Ana Murillo	Accounting Technician	2 years
Theresa Murphy	Engineering Technician II	16 Years
Carol Morin	Office Specialist II	22 Years
Mark Vermeer	WWTP Operator I	23 Years

ACTION ITEMS

PUBLIC HEARING ~ ORDINANCE 2024-01 ~ ESTABLISHING RULES AND REGULATIONS FOR SEWER SERVICE

The Board conducted the public hearing and adopted Ordinance 2024-01, amending Ordinance 2008-2, establishing the rules and regulations for sewer service, Article VI Industrial Discharges.

President Sewell opened the Public Hearing and directed the Secretary to read out her report.

Eric Weck delivered the staff report and President Sewell called for Public Comment.

Matt Renard with NV5 and Between the Springs commented on the TDS limitation changes and noted that holding the industrial connections to an absolute limit of the discharge permit does not account for the dilution of the lower sources. Industrial connections will be higher than other sources. He also noted the language in 6.03 is prescriptively prohibitive.

Kenny Dickerson with Between the Springs: 160 acres thought to be in MSWD service territory, now believes they are in DWA territory. He is asking for help from the Board and Staff with this entire document stating when the Board approved the Coachillin Plan; we took certain considerations by allowing them to mix waste (cannabis waste and domestic waste) and still meet whatever standard MSWD ultimately sets. He would like to meet with staff to develop logical solutions to meet the TDS standards that MSWD sets. Mr. Dickerson noted outstanding issues that still need to be addressed by staff.

President Sewell declared the Public Hearing closed.

Motion made by Director Duff, Seconded by Director Mayrhofen.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

MISSION SPRINGS WATER DISTRICT 2024 STRATEGIC PLAN ADOPTION

The Board adopted the 2024 Strategic Plan.

Marion noted the changes that came out of the Study Session on Thursday.

Motion made by Vice President Griffith, Seconded by Director Duff.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

CONTRACT AMENDMENTS FOR CONSTRUCTION AND CONSTRUCTION SUPPORT AND INSPECTION SERVICES FOR THE WELL 42 PROJECT

The Board authorized the General Manager to execute contract amendments with AECOM Technical Services Inc., EnviroLogic Resources Inc., and TKE Engineering Inc., for additional engineering services

during construction and with Rollapart Buildings Inc. for additional construction support and inspection services during the construction of the Well 42 Project in the amount of \$113,605.00.

Nothing further to add.

Motion made by Vice President Griffith, Seconded by President Sewell.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff

Voting Nay: Director Mayrhofen

ACCEPT ANNUAL COMPREHENSIVE FINANCIAL REPORT FOR YEAR ENDED JUNE 30, 2023

The Board reviewed and accepted the annual comprehensive financial report as presented by Rogers, Anderson, Malody & Scott, LLP.

Gardenya Duran of RAMS presented the report to the Board. She reviewed the audit objectives, interim audit work, year-end audit field work, and auditor responsibilities. She followed this with the auditor's results of an unmodified opinion, which is the highest-level opinion they can issue. The report did not identify any deficiencies in the internal control over financial reporting that they consider to be material weaknesses or significant deficiencies, and no instances of noncompliance or other matters that are required to be reported. She addressed other key issues of unfunded pension liability and the regional grant the District received.

Motion made by Director Duff, Seconded by Vice President Griffith.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

NOTICE OF ACCEPTANCE OF THE SUPPLEMENTAL ENVIRONMENTAL PROJECT

The Board accepted the Supplemental Environmental Project as complete and authorized the release of retention money held for R.E. Chaffee Construction, Inc., in the amount of \$19,843.85, thirty-five days after filing the Notice of Completion (NOC).

Motion made by Vice President Griffith, Seconded by Director Martin.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

A presentation on this item was given at the Study Session. Nothing further to add.

QUITCLAIM EXISTING PUBLIC UTILITY EASEMENTS ON ADJACENT PROPERTIES APN 642-192-019 AND 642-192-020

The Board authorized the General Manager to take the necessary actions to record a permanent quitclaim of the portions of the utility easements not in use by Mission Springs Water District for residential construction on real properties in the City of Desert Hot Springs, APN 642-192-019 and 642-192-020.

A presentation on this item was given at the Study Session. Nothing further to add.

Motion made by Director Martin, Seconded by Director Mayrhofen.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

DISCUSSION ITEMS

NANCY WRIGHT REGIONAL WATER RECLAMATION FACILITY UPDATE

Nothing further to add.

CRITICAL SERVICES CENTER AND ADMINISTRATIVE BUILDING UPDATE

Nothing further to add.

CONSENT AGENDA

Motion made by Director Martin, Seconded by Vice President Griffith.

Voting Yea: President Sewell, Vice President Griffith, Director Martin, Director Duff, Director Mayrhofen

APPROVAL OF MINUTES

It is recommended to approve the minutes as follows:

February 13, 2024 - Special Meeting Workshop Minutes

February 15, 2024 - Study Session Minutes

February 20, 2024 - Board Meeting Minutes

REGISTER OF DEMANDS

The register of demands totaling \$2,544,544.45

REPORTS

DIRECTOR'S REPORTS

Director Martin reported attending the following meetings and events: 2/1 DVBA Legislative Meeting, 2/1 BIA Networking Night, 2/4-2/7 CSDA Leadership Academy, 2/8 DVBA General Membership Luncheon, 2/10 PS Air Museum Fundraising Gala, 2/12 DVBA Board Meeting, and 2/21-2/23 Urban Water Institute Conference.

Director Mayrhofen reported attending the following meetings and events: 2/1 BIA Member Reception, 2/8 BIA Networking Night, 2/21-2/23 Urban Water Institute Conference.

Director Duff reported attending the following meetings and events: 2/2 CVAG ~CVCC Orientation, 2/8 CVAG~CVCC and Energy & Sustainability Meetings, 2/8 ACWA Groundwater Committee Meeting, 2/13 CVWD Board Meeting, 2/20 ACWA Groundwater Committee Meeting, 2/27 CVWD Board Meeting, 2/26-2/29 ACWA D.C. Conference.

Vice President Griffith reported attending the following meetings and events: 2/6 DWA Board Meeting, 2/26-2/29 ACWA D.C. Conference.

President Sewell reported attending the following meetings and events: 2/4-2/7 CSDA Leadership Academy, 2/21 GCVCC Evening Mixer.

GENERAL MANAGER'S REPORT

Included in this report are the following oral reports:

A. Organizational Update

This report was given on Thursday.

B. Finance Report

Arturo Ceja noted that the presented audit report will replace the current financial report.

C. Public Affairs Report

Marion Champion presented a Public Affairs update.

COMMENTS**DISTRICT COUNSEL COMMENTS**

General Counsel announced a closed session.

DIRECTOR COMMENTS

Director Duff congratulated Jan Pye for her recent award for Most Influential Woman in Riverside County.

Vice President Griffith mentioned the legislative trips to D.C. and Sacramento and noted that the 2024 budget had passed when they returned. He announced a future trip that will focus on asks for 2025. He thanked Director Martin & President Sewell for attending the CSDA Leadership Conference and encouraged Director Mayrhofen to participate in April. Attendance at this event will help the District secure a Certificate in Special District Governance.

Director Martin announced the memorial services for Brian Nestande.

Director Mayrhofen noted that he will be taking the CSDA Leadership training online. He also mentioned that he had somehow been assigned to ACWA's Agricultural Committee and would like to be removed. Lastly, he commented on our demonstration garden and noted that there are no picnic tables for employees to enjoy in the area.

President Sewell congratulated Marion Champion on her promotion.

CLOSED SESSION**CONFERENCE WITH LEGAL COUNSEL REGARDING ANTICIPATED LITIGATION - SIGNIFICANT EXPOSURE TO LITIGATION**

Pursuant to Government Code Section 54956.9(d)(2) One potential case.

CONFERENCE WITH LEGAL COUNSEL REGARDING PENDING LITIGATION

pursuant to Government Code Section 54956.9(d)(1)

One Case: Mission Springs Water District vs. Desert Water Agency et al. D081984
Riverside County Super. Ct. No. PSC1600676

REPORT ON ACTION TAKEN DURING CLOSED SESSION

The Board met in closed session on the following item CONFERENCE WITH LEGAL COUNSEL REGARDING PENDING LITIGATION pursuant to Government Code Section 54956.9(d)(1)
One Case: Mission Springs Water District vs. Desert Water Agency et al. D081984
Riverside County Super. Ct. No. PSC1600676

There was no reportable action taken.

ADJOURN

With no further business, President Sewell adjourned the meeting at 5:40 PM.

Respectfully submitted,

Dori Petee
Executive Assistant

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002445	03-15-24	AB FENCE COMPANY, INC.	GATEWAY RESERVOIR FENCE REPAIRS	3,000.00	3,000.00		3,000.00
1002418	03-07-24	ACWA-JPIA HEALTH BENEFITS AUTH.	APRIL 2024 PREPAID INSURANCE	107,443.99	107,443.99		107,443.99
1002526	03-28-24	ADAM WAGNER	TREATMENT CERT. RENEWAL - ADAM W.	60.00	60.00		60.00
1002527	03-28-24	ADT COMMERCIAL LLC	SECURITY ALARM	347.24	347.24		347.24
1002419	03-07-24	AECOM TECHNICAL SERVICES INC.	CONSTRUCTION SERVICES JAN 2024	8,061.00	0.00	8,061.00	8,061.00
99106444	03-11-24	AFLAC	FEB 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
99106677	03-28-24	AFLAC	MARCH 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
1002475	03-21-24	AIR & HOSE SOURCE INC.	REPLACEMENT PRESSURE WASHER PARTS	421.95	635.10		635.10
			CAM LOCKS FOR HORTON PLANT	213.15			
1002420	03-07-24	AMBER DUFF	MILEAGE REIMBURSEMENT FEB 2024	30.82	30.82		30.82
1002414	03-05-24	ANA MUNOZ	ACCOUNT REFUND 66623 EL DORADO PL	175.02	175.02		175.02
1002528	03-28-24	ANSAFONE CONTACT CENTERS	ANSWERING SERVICE	290.63	290.63		290.63
1002446	03-15-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 02.21.24	284.36	550.87		550.87
			UNIFORM SERVICES 02.28.24	266.51			
1002476	03-21-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 03.06.24	325.16	325.16		325.16
1002529	03-28-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES	308.80	578.60		578.60
			UNIFORM SERVICES	269.80			
1002477	03-21-24	ARNOLD LUTZ	EXCESS PROCEEDS REIMBURSEMENT CLAIM	1,415.34	1,415.34		1,415.34
1002447	03-15-24	B-81 PAVING INC	PAVING AT VARIOUS LOCATIONS	46,670.50	46,670.50		46,670.50
1002448	03-15-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE - HWWTP CLARIFIER	625.45	987.11		987.11
			TOTAL N PACKAGE - HORTON INFLUENT	151.10			
			TOTAL N PACKAGE - HWWTP/DCWWTP	210.56			
1002478	03-21-24	BABCOCK LABORATORIES, INC.	CANNABIS FACILITY DISCHARGE SAMPLING - JEETER	401.26	401.26		401.26
1002530	03-28-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE SAMPLES - HWWTP	1,611.50	1,611.50		1,611.50
1002421	03-07-24	BECK OIL, INC.	UNLEADED GASOLINE	6,444.33	8,137.39		8,137.39
			DIESEL FUEL	1,693.06			
1002531	03-28-24	BRAX COMPANY, INC.	REPLACEMENT FLOATS FOR D.P.L.S.	472.55	472.55		472.55
1002449	03-15-24	BRIAN MACY	REIMBURSEMENT - UBER SAC CSDA	39.50	125.53		125.53
			REIMBURSEMENT - UBER SAC CSDA	31.11			
			REIMBURSEMENT - UBER ACWA D.C.	54.92			
1002479	03-21-24	BRIAN MACY	REIMBURSEMENT - UBER D.C.	40.94	40.94		40.94
1002450	03-15-24	BRINKS INCORPORATED	MONTHLY SERVICES	309.23	390.09		390.09
			MONTHLY SERVICES	80.86			
1002490	03-21-24	BUSINESS RADIO LICENSING	BUSINESS RADIO LICENSE RENEWAL	115.00	115.00		115.00
99106369	03-04-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 02.16.24	37,608.22	37,608.22		37,608.22
99106630	03-25-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 03.01.2024	35,807.58	35,807.58		35,807.58
1002451	03-15-24	CARL GINTHER	TOILET REBATE	100.00	100.00		100.00
1002422	03-07-24	CARPI & CLAY. INC	FEDERAL ADVOCACY	5,000.00	5,000.00		5,000.00
1002480	03-21-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE WELL 34	230.59	2,447.56	230.59	2,678.15
			S.E.P. - FEB. 2024	1,134.65			
			LABOR COMPLIANCE - MCDONALD ELEC.	420.05			
			LABOR COMPLIANCE - URBAN HABITAT	327.81			
			LABOR COMPLIANCE - B-81 PAVING INC.	327.81			
			LABOR COMPLIANCE - LO LYNCH	237.24			

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002532	03-28-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE - WELL 22	189.46	0.00	189.46	189.46
1002423	03-07-24	CASEY DOLAN	DIGITAL AD MGMT & CONSULTING	650.00	650.00		650.00
1002481	03-21-24	CHRISTOPHER JACOBSON	WORK BOOTS REIMBURSEMENT	50.83	50.83		50.83
1002452	03-15-24	CITIES DIGITAL INC.	LASERFICHE LICENSE & MAINTENANCE	8,680.00	9,750.00		9,750.00
			LASERFICHE LICENSE & SUBSCRIPTION	1,070.00			
99106362	03-01-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL & INTEREST	45,922.74	45,922.74		45,922.74
99106524	03-21-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL AND INTEREST	145,000.00	145,000.00		145,000.00
1002482	03-21-24	CITY OF DESERT HOT SPRINGS	UUT JANUARY 2024	30,075.96	30,075.96		30,075.96
1002453	03-15-24	CLINICAL LABORATORY OF SAN BERNARDINO	LAB SERVICES FOR SAMPLES - 01/2024	1,582.00	1,852.00		1,852.00
			BOD TESTING H+DC - 01/2024	270.00			
1002533	03-28-24	CLINICAL LABORATORY OF SAN BERNARDINO	BOD TESTING H + DC - 02/24	320.00	7,308.00		7,308.00
			UCMR TESTING/LAB SAMPLES	6,988.00			
1002534	03-28-24	COFFMAN ELECTRICAL EQUIPMENT CO	UPGRADED REP. CABLES FOR NEW GENERATORS	6,334.00	6,334.00		6,334.00
1002424	03-07-24	CORE & MAIN LP	INVENTORY - WATER PRODUCTION	3,226.70	5,809.01		5,809.01
			INVENTORY - WATER PRODUCTION	468.72			
			INVENTORY - WATER PRODUCTION	529.66			
			INVENTORY - WATER PRODUCTION	1,583.93			
1002454	03-15-24	CORE & MAIN LP	GATE VALVE	1,478.33	1,478.33		1,478.33
1002425	03-07-24	COUNTY OF RIVERSIDE	ROOM FEE 02/21 & 03/27	50.00	50.00		50.00
1002455	03-15-24	CUMMINS SOUTHERN PLAINS LLC	TWO PORTABLE GENERATORS	349,957.80	0.00	349,957.80	349,957.80
1002426	03-07-24	CV STRATEGIES	LEGISLATIVE BROCHURE	835.00	2,995.00		2,995.00
			VIDEO SERVICES	2,160.00			
1002456	03-15-24	CYPRESS DENTAL ADMINISTRATORS	APRIL 2024 PREPAID DENTAL INSURANCE	5,054.41	9,951.58		9,951.58
			MARCH 2024 PREPAID DENTAL INSURANCE	4,897.17			
1002457	03-15-24	DAVID A MILLER	TOILET REBATE	200.00	200.00		200.00
1002427	03-07-24	DESERT HOT SPRINGS LITTLE LEAGUE	SPONSORSHIP	500.00	500.00		500.00
1002483	03-21-24	DESERT VALLEY DISPOSAL, INC.	FEBRUARY SERVICE - ADMIN.	544.89	1,338.79		1,338.79
			FEBRUARY SERVICE CORP. YARD	793.90			
1002428	03-07-24	DHS EAGLES INC	EAGLES SPONSOR	250.00	250.00		250.00
1002429	03-07-24	DOWNING CONSTRUCTION, INC.	PROGRESS PMT #11	509,466.16	0.00	509,466.16	509,466.16
1002484	03-21-24	DOWNING CONSTRUCTION, INC.	PROGRESS PAYMENT #12	609,037.05	0.00	609,037.05	609,037.05
99106576	03-15-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP#11	26,814.00	0.00	26,814.00	26,814.00
99106631	03-21-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP #12	32,054.58	0.00	32,054.58	32,054.58
1002458	03-15-24	ECOLOGY AUTO PARTS	SLUDGE HAULING	5,267.98	5,267.98		5,267.98
1002485	03-21-24	ECOLOGY AUTO PARTS	SLUDGE HAULING	3,890.82	9,686.13		9,686.13
			SLUDGE HAULING	1,901.64			
			SLUDGE HAULING	3,893.67			
99106437	03-08-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX DEP PPE 03.01.24	58,189.68	58,189.68		58,189.68
99106627	03-22-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX PPE 03.15.24	57,122.78	57,122.78		57,122.78
PR030824	03-08-24	EMPLOYEES		1,430.13	1,430.13		1,430.13
PR032224	03-22-24	EMPLOYEES		0.00	0.00		0.00
1002486	03-21-24	ENVIROGEN TECHNOLOGIES INC	WELL 26A URANIUM TREATMENT	4,120.87	4,120.87		4,120.87
1002487	03-21-24	EXECUTIVE FACILITIES SERVICES, INC.	JANITORIAL SERVICES - 02/2024	1,830.00	1,830.00		1,830.00
1002430	03-07-24	FEDEX	OVERNIGHT FEE	51.93	51.93		51.93

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002535	03-28-24	FEDEX	WELLS FARGO OVERNIGHT FEE	82.09	133.80		133.80
			WELLS FARGO OVERNIGHT FEE	51.71			
1002431	03-07-24	FERGUSON WATERWORKS #1083	NEPTUNE360 AMI RENEWAL	62,311.80	62,311.80		62,311.80
1002488	03-21-24	FERGUSON WATERWORKS #1083	REPLACEMENT REGISTERS	1,034.40	1,034.40		1,034.40
1002489	03-21-24	FORSHOCK	SCADA MONITORING - 03/2024	220.00	2,570.00	1,925.00	4,495.00
			SCADA REVIEW AND DRAWINGS	4,275.00			
			CL2 ANALYZER - WELL 29				
1002459	03-15-24	FRANCHISE TAX BOARD	GARNISHMENT EE# 72 PMT #13	150.00	150.00		150.00
1002536	03-28-24	FRANCHISE TAX BOARD	GARNISHMENT EE#72 PMT #14	150.00	150.00		150.00
1002491	03-21-24	GRAINGER	MAG CONTACTOR - HORTON PLANT	118.14	118.14		118.14
1002432	03-07-24	HDL COREN & CONE	FY13 ASSD. VALUE REPORT FOR ACFR STATS	300.00	300.00		300.00
1002433	03-07-24	INFOSEND INC	DEC. BILLING	8,944.04	8,944.04		8,944.04
1002460	03-15-24	INFOSEND INC	NEWSLETTER INSERT - JAN.	1,300.76	4,122.49		4,122.49
			MONTHLY BILLING SERVICES	2,821.73			
1002434	03-07-24	INTELESYS	IT MANAGED SERVICES	8,055.00	8,055.00		8,055.00
1002537	03-28-24	INTELESYS	SERVER ROOM MONITORING	1,146.27	1,146.27		1,146.27
1002435	03-07-24	J.F. SHEA CONSTRUCTION, INC.	PROGRESS PMT #22	1,055,314.34	0.00	1,055,314.34	1,055,314.34
99106471	03-08-24	J.F. SHEA CONSTRUCTION, INC.	RETENTION WIRE FOR PP #22	55,542.86	0.00	55,542.86	55,542.86
1002436	03-07-24	KYLE GROUNDWATER, INC.	WELL 34 PROGRESS PAYMENT #2	13,243.00	0.00	13,243.00	13,243.00
1002492	03-21-24	KYLE GROUNDWATER, INC.	WELL 34 HYDRO SERVICES PROGRESS PAYMENT #3	11,478.30	0.00	11,478.30	11,478.30
1002538	03-28-24	L.O. LYNCH QUALITY WELLS & PUMPS, INC.	WELL 22 EQUIPMENT & LABOR	17,178.00	0.00	17,178.00	17,178.00
1002493	03-21-24	LEGEND PUMP & WELL SERVICE, INC.	PROGRESS PAYMENT #3	132,230.50	0.00	132,230.50	132,230.50
99106440	03-08-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.01.2024	22,701.54	22,701.54		22,701.54
99106629	03-22-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.15.24	21,134.46	21,134.46		21,134.46
1002494	03-21-24	LUBRICATION ENGINEERS	RESTOCK 4 PAILS 8800-PL MONOLEC OIL	778.95	778.95		778.95
1002415	03-05-24	LUIS MAGDALENO	ACCOUNT REFUND JOSHUA RD & SAGEBRUSH AVE	508.19	508.19		508.19
1002437	03-07-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN	2,482.40	10,996.81		10,996.81
			STAFFING SERVICES - ADMIN	3,063.13			
			STAFFING SERVICES - ADMIN	2,968.88			
			STAFFING SERVICES - ADMIN	2,482.40			
1002461	03-15-24	MANPOWER US INC.	STAFFING SERVICES - GM REPORT/GRANT	942.50	7,835.19		7,835.19
			STAFFING SERVICES - GM REPORT/GRANT	1,979.25			
			STAFFING SERVICES - ADMIN.	2,482.40			
			STAFFING SERVICES - ADMIN.	2,431.04			
1002495	03-21-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN.	2,482.40	2,482.40		2,482.40
1002496	03-21-24	MATHESON TRI-GAS, INC	REPLACEMENT YELLOW SAFETY SHIRTS	1,333.41	1,363.04		1,363.04
			RESTOCK CLEAR SAFETY GLASSES	29.63			
1002462	03-15-24	MCDONALD ELECTRIC, INC	SERVICE CALL TO INSTALL PRE-LUBE	671.75	671.75		671.75
1002497	03-21-24	MCMASTER-CARR	2" BRASS THREAD PLUGS	204.42	638.27		638.27
			COPPER TUBING	433.85			
1002498	03-21-24	MOTION INDUSTRIES, INC.	REPAIR FOR RAS PUMP 6	132.02	132.02		132.02
1002438	03-07-24	O'REILLY AUTOMOTIVE INC.	OIL FILTER CHANGE UNIT #420	43.93	629.91		629.91
			AIR FRESHENER TRK #413	5.92			
			ERASER WHEEL - FLEET MAINT.	37.87			

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			OIL FILTER CHANGE UNIT #419	53.91			
			OIL/CABIN FILTER CHANGE UNIT #413	105.48			
			OIL FILTER CHANGE UNIT #389	135.22			
			ITEMS FOR FLEET MAINT.	37.71			
			OIL FILTER CHANGE UNIT #433	123.37			
			GREASE - FLEET MAINT.	86.50			
1002499	03-21-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT BATTERIES - HORTON PLANT	473.19	517.13		517.13
			REPLACEMENT WIPER BLADES UNIT #409	43.94			
1002539	03-28-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT STARTER UNIT #401	210.64	398.97		398.97
			REPLACEMENT MINI BLUB UNIT#405	9.15			
			REPLACEMENT BATTERY UNIT #401	45.62			
			OIL FILTER CHANGE UNIT #409	54.03			
			FUEL HOSE - WRIGHT BUILDING	14.16			
			HAND CLEANER - HORTON PLANT	34.24			
			TRAILER WIRE ADAPTER UNIT #442	31.13			
1002540	03-28-24	OVIVO USA LLC	AERATOR MOTOR COUPLINGS	997.16	997.16		997.16
1002500	03-21-24	PALM SPRINGS MOTORS INC	MULTIPOINT VEHICLE DIAGNOSTICS TRK 404	376.39	376.39		376.39
1002501	03-21-24	PALM SPRINGS PEST CONTROL, INC.	PEST CONTROL - ADMIN. BLDG	90.00	195.00		195.00
			PEST CONTROL - ANNEX BLDG	65.00			
			BAIT BOX - ADMIN BLDG	40.00			
1002502	03-21-24	PARAGON PARTNERS CONSULTANTS INC	SCE LITTLE MORONGO EASEMENT PP #1	2,377.50	0.00	2,377.50	2,377.50
1002439	03-07-24	PARKERS BUILDING SUPPLY	ITEMS FOR FLEET MAINTENANCE	7.09	351.22		351.22
			REPLACEMENT BATTERIES	23.13			
			GLASS SCRAPER W/ BLADE FLEET MAINTENANCE	6.99			
			SPRAY RUBBER SEALANT ADMIN BUILDING	16.44			
			ITEMS FOR GENERATOR ENCLOSURES	15.39			
			MATERIAL FOR GENERATOR ENCLOSURES	13.98			
			SUPPLY ITEMS - FLEET MAINTENANCE	131.33			
			MATERIAL FOR GENERATOR ENCLOSURES	13.99			
			REPAIR ITEMS - FLEET MAINTENANCE	57.37			
			MATERIAL FOR GENERATOR ENCLOSURES	65.51			
1002503	03-21-24	PARKERS BUILDING SUPPLY	WELDING WIRE - FLEET MAINT.	18.30	18.30		18.30
1002541	03-28-24	PARKERS BUILDING SUPPLY	MISC ITEMS - PRODUCTION	5.99	5.99		5.99
99106679	03-22-24	PAYMENTUS CORPORATION	FEB 2024 CREDIT CARD FEES	3,456.45	3,456.45		3,456.45
1002287	03-19-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	-265.00	-265.00		-265.00
1002504	03-21-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	265.00	265.00		265.00
99106441	03-06-24	PAYNEARME MT, INC.	FEB 2024 PAYNEARME FEES	7,906.82	7,906.82		7,906.82
1002440	03-07-24	PLANIT REPROGRAPHICS	RANCHO DESCANSO PLANS	45.58	45.58		45.58
1002542	03-28-24	POLYDYNE,INC.	3-TOTES POLYMER SLUDGE WASTING	8,464.71	8,464.71		8,464.71
1002441	03-07-24	PROFORMA	DIRECT DEPOSIT VOUCHERS	276.88	276.88		276.88
1002463	03-15-24	QUADIENT FINANCE USA, INC.	LEASE PAYMENT	650.58	650.58		650.58
1002543	03-28-24	RAY LOPEZ ASSOCIATES	LANDSCAPE INSPECTIONS	7,700.00	7,700.00		7,700.00
1000831	03-18-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	-76.56	-76.56		-76.56
1002505	03-21-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	76.56	76.56		76.56

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99106439	03-08-24	RIVERSIDE COUNTY DCSS - MAIN OFFICE	MONTHLY IWO - PPE 03.01.24	141.00	141.00		141.00
1002544	03-28-24	ROBERT G MODRICH	FEB 2024 UNIDATA MAINTENANCE	4,135.20	4,135.20		4,135.20
1002506	03-21-24	ROTARY CLUB OF DESERT HOT SPRINGS	BIG HEART SPONSORSHIP	2,500.00	2,500.00		2,500.00
1002442	03-07-24	RUSS MARTIN	MILEAGE REIMBURSEMENT FEB 2024	572.85	572.85		572.85
1001677	03-19-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	-3,981.88	-3,981.88		-3,981.88
1002507	03-21-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	3,981.88	3,981.88		3,981.88
1002464	03-15-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 PMT #7	2,787.30	0.00	2,787.30	2,787.30
1002508	03-21-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 - MSWD VS SCE - PMT #8	3,457.35	0.00	3,457.35	3,457.35
1002465	03-15-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES	3,795.00	17,717.50		17,717.50
			LEGAL SERVICES	300.00			
			LEGAL SERVICES OVER RETAINER	7,122.50			
			LEGAL SERVICES RETAINER	6,500.00			
1002545	03-28-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES DETACHMENT ANALYSIS	25,287.50	25,287.50		25,287.50
1002509	03-21-24	SO CAL GAS	GAS BILL - 02/2024	151.91	151.91		151.91
1002416	03-05-24	SOLOMON RODRIGUEZ	ACCOUNT REFUND 13940 NAHUM DR "A"	64.39	64.39		64.39
1002443	03-07-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	5,594.18	5,594.18		5,594.18
1002466	03-15-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	56,338.33	56,338.33		56,338.33
1002510	03-21-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	32,843.87	35,330.54		35,330.54
			ELECTRIC BILL	2,486.67			
99106438	03-08-24	STATE OF CA EDD	STATE TAX PPE 03.01.24	11,613.53	11,613.53		11,613.53
99106628	03-22-24	STATE OF CA EDD	STATE TAX PPE 03.15.2024	11,408.13	11,408.13		11,408.13
1002511	03-21-24	STATE WATER RESOURCES CONTROL BOARD	WWTPO GRADE 2 RENEWAL - GREG CHAPMAN	150.00	150.00		150.00
1002512	03-21-24	T4 SPATIAL, LLC	CCTV STORAGE - FEB. 2024	1,250.00	2,500.00		2,500.00
			CCTV STORAGE - MARCH 2024	1,250.00			
1002468	03-15-24	THE LAMAR COMPANIES	BILLBOARD	950.00	950.00		950.00
1002467	03-15-24	THE LINCOLN NATL. LIFE INS. CO.	APRIL 2024 PREPAID LIFE INSURANCE	4,123.89	4,123.89		4,123.89
1002513	03-21-24	THE UPS STORE #5062	SHIPPING CHARGE, BERKELEY SPRINGS WATER	53.95	53.95		53.95
1002444	03-07-24	THEODORE MAYRHOFEN	MILEAGE REIMBURSEMENT FEB 2024	182.24	182.24		182.24
1002514	03-21-24	TKE ENGINEERING, INC	CONSULTANT DESIGN SERVICES - JAN 2024	552.50	0.00	552.50	552.50
1002515	03-21-24	TOM DODSON & ASSOCIATES	CEQA COMPLIANCE SERVICES	509.60	0.00	509.60	509.60
1002469	03-15-24	TOPS N BARRICADES, INC	RESTOCK BLUE SURVEY FLAGS	217.50	4,835.51		4,835.51
			NO TRESPASSING SIGNS/POLES ADMIN BUILD.	192.00			
			FASCIA STROBE LIGHTS	1,631.25			
			STROBE LIGHTS - FLEET MAINT.	543.75			
			SAFETY JACKETS - FIELD STAFF	88.41			
			LIGHT BARS - FLEET MAINT.	1,060.31			
			NO TRESPASSING SIGNS/POLES MSWD	796.05			
			NO TRESPASSING SIGNS - ADMIN BUILD.	104.40			
			GREEN SURVEY FLAGS/ MARKING PAINT W/W	201.84			
1002546	03-28-24	TRI-STAR CONTRACTING II, INC.	CONSTRUCT 12" PIPE CONNECTION - WELL 22	15,907.00	0.00	30,971.57	30,971.57
			PIPE ALIGNMENT - WELL 22	15,064.57			
1002516	03-21-24	UNDERGROUND SERVICE ALERT	UNDERGROUND SERVICE ALERT	304.00	304.00		304.00
1002547	03-28-24	URBAN HABITAT	PALM REMOVAL @ DC FOR MAINLINE BREAK	1,802.96	8,402.96		8,402.96
			LANDSCAPE SERVICES FEB. 2024	6,600.00			

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1002470	03-15-24	USA BLUEBOOK	HARDWARE - WATER PRODUCTION	90.46	5,780.01		5,780.01
			DPD DISPENSERS	282.53			
			TEST TABLETS HORTON PLANT	168.42			
			DIGITAL GAUGE - WATER PRODUCTION	224.03			
			PUMP - WATER PRODUCTION	3,520.81			
			FITTINGS - WATER PRODUCTION	897.57			
			LAB ITEMS - HORTON PLANT	596.19			
1002517	03-21-24	USA BLUEBOOK	DRUM PUMP KIT - WATER PRODUCTION	2,028.65	2,028.65		2,028.65
1002518	03-21-24	VAGABOND WELDING SUPPLY	MATERIAL FOR GENERATOR ENCLOSURES	232.73	1,182.08		1,182.08
			MATERIAL FOR BACK RACKS	72.06			
			MATERIAL FOR GENERATOR ENCLOSURES	877.29			
1002519	03-21-24	VALLEY LOCK & SAFE	ADMIN SERVER ROOM RE-KEY	134.69	279.69		279.69
			WAREHOUSE DOOR REPAIR	145.00			
1002471	03-15-24	VERIZON CONNECT FLEET USA LLC	GPS TRACKING SUBSCRIPTION	587.45	587.45		587.45
1002472	03-15-24	WALTON MOTORS & CONTROLS, INC.	MOTOR REPAIR	15,466.67	15,466.67		15,466.67
1002520	03-21-24	WATERLINE TECHNOLOGIES INC.	4 DRUMS REFILLED #5673072	978.37	978.37		978.37
99106688	03-29-24	WELLS FARGO - WELLSONE	FEBRUARY 2024 CC PAYMENT	29,328.42	29,328.42		29,328.42
99106366	03-01-24	WELLS FARGO BANK	FEB 2024 LOC INTEREST EXP	49,875.00	49,875.00		49,875.00
99106436	03-08-24	WELLS FARGO BANK	AUTO DEOP PP	140,379.48	140,379.48		140,379.48
			AUTO DEP PPE 03.01.24				
99106626	03-15-24	WELLS FARGO BANK	AUTO DEP PPE 03.15.24	139,958.98	139,958.98		139,958.98
1002417	03-05-24	WENDELL ORTIZ	ACCOUNT REFUND 9551 SANTA CRUZ RD	63.16	63.16		63.16
1002522	03-21-24	WEST COAST SAND AND GRAVEL INC.	RESTOCK BASE MATERIAL 23.23 TONS - CORP YARD	487.02	487.02		487.02
1002524	03-21-24	WEST YOST & ASSOCIATES, INC.	PROGRESS PAYMENT #22	3,953.00	3,953.00		3,953.00
			11423-12823				
1002549	03-28-24	WEST YOST & ASSOCIATES, INC.	PROFESSIONAL SVCS DEC. - JAN.	6,301.00	6,301.00		6,301.00
1002523	03-21-24	WESTAIR GASES & EQUIPMENT, INC.	EXCHANGE CO2 TANK - WATER PRODUCTION	71.71	157.76		157.76
			REFILL WELDING GAS - FLEET MAINT.	86.05			
1002521	03-21-24	WESTERN PUMP INC	ANNUAL FUEL TANK STORAGE INSPECTION	1,239.21	1,239.21		1,239.21
1002473	03-15-24	WESTERN WATER WORKS	INVENTORY	13,957.08	19,266.57		19,266.57
			HARDWARE INVENTORY	5,309.49			
1002548	03-28-24	WESTERN WATER WORKS	3" DI PIPE CL 350	1,483.72	4,922.65		4,922.65
			2" BR SWING CHECK VALVE	1,473.57			
			2" COPPER TUBING	1,965.36			
1002525	03-21-24	WHITE CAP CONSTRUCTION SUPPLY	CAUTION TAPE, PICK HAMMERS	179.05	627.43		627.43
			RESTOCK WORK GLOVES, COOLER PACKS	448.38			
1002474	03-15-24	XEROX CORPORATION	XEROX LEASE ENGINEERING	394.78	394.78		394.78
1002550	03-28-24	XEROX CORPORATION	XEROX LEASE - ADMIN	343.73	343.73		343.73
			CURRENT CHECK TOTAL	4,337,139.4	1,473,761.0	2,863,378.4	4,337,139.4
TOTAL				4,337,139.49	1,473,761.03	2,863,378.46	4,337,139.49

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164 records listed							

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1000831	03-18-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	-76.56	-76.56		-76.56
1001677	03-19-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	-3,981.88	-3,981.88		-3,981.88
1002287	03-19-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	-265.00	-265.00		-265.00
1002414	03-05-24	ANA MUNOZ	ACCOUNT REFUND 66623 EL DORADO PL	175.02	175.02		175.02
1002415	03-05-24	LUIS MAGDALENO	ACCOUNT REFUND JOSHUA RD & SAGEBRUSH AVE	508.19	508.19		508.19
1002416	03-05-24	SOLOMON RODRIGUEZ	ACCOUNT REFUND 13940 NAHUM DR "A"	64.39	64.39		64.39
1002417	03-05-24	WENDELL ORTIZ	ACCOUNT REFUND 9551 SANTA CRUZ RD	63.16	63.16		63.16
1002418	03-07-24	ACWA-JPIA HEALTH BENEFITS AUTH.	APRIL 2024 PREPAID INSURANCE	107,443.99	107,443.99		107,443.99
1002419	03-07-24	AECOM TECHNICAL SERVICES INC.	CONSTRUCTION SERVICES JAN 2024	8,061.00	0.00	8,061.00	8,061.00
1002420	03-07-24	AMBER DUFF	MILEAGE REIMBURSEMENT FEB 2024	30.82	30.82		30.82
1002421	03-07-24	BECK OIL, INC.	UNLEADED GASOLINE	6,444.33	8,137.39		8,137.39
			DIESEL FUEL	1,693.06			
1002422	03-07-24	CARPI & CLAY. INC	FEDERAL ADVOCACY	5,000.00	5,000.00		5,000.00
1002423	03-07-24	CASEY DOLAN	DIGITAL AD MGMT & CONSULTING	650.00	650.00		650.00
1002424	03-07-24	CORE & MAIN LP	INVENTORY - WATER PRODUCTION	3,226.70	5,809.01		5,809.01
			INVENTORY - WATER PRODUCTION	468.72			
			INVENTORY - WATER PRODUCTION	529.66			
			INVENTORY - WATER PRODUCTION	1,583.93			
1002425	03-07-24	COUNTY OF RIVERSIDE	ROOM FEE 02/21 & 03/27	50.00	50.00		50.00
1002426	03-07-24	CV STRATEGIES	LEGISLATIVE BROCHURE	835.00	2,995.00		2,995.00
			VIDEO SERVICES	2,160.00			
1002427	03-07-24	DESERT HOT SPRINGS LITTLE LEAGUE	SPONSORSHIP	500.00	500.00		500.00
1002428	03-07-24	DHS EAGLES INC	EAGLES SPONSOR	250.00	250.00		250.00
1002429	03-07-24	DOWNING CONSTRUCTION, INC.	PROGRESS PMT #11	509,466.16	0.00	509,466.16	509,466.16
1002430	03-07-24	FEDEX	OVERNIGHT FEE	51.93	51.93		51.93
1002431	03-07-24	FERGUSON WATERWORKS #1083	NEPTUNE360 AMI RENEWAL	62,311.80	62,311.80		62,311.80
1002432	03-07-24	HDL COREN & CONE	FY13 ASSD. VALUE REPORT FOR ACFR STATS	300.00	300.00		300.00
1002433	03-07-24	INFOSEND INC	DEC. BILLING	8,944.04	8,944.04		8,944.04
1002434	03-07-24	INTELESYS	IT MANAGED SERVICES	8,055.00	8,055.00		8,055.00
1002435	03-07-24	J.F. SHEA CONSTRUCTION, INC.	PROGRESS PMT #22	1,055,314.34	0.00	1,055,314.34	1,055,314.34
1002436	03-07-24	KYLE GROUNDWATER, INC.	WELL 34 PROGRESS PAYMENT #2	13,243.00	0.00	13,243.00	13,243.00
1002437	03-07-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN	2,482.40	10,996.81		10,996.81
			STAFFING SERVICES - ADMIN	3,063.13			
			STAFFING SERVICES - ADMIN	2,968.88			
			STAFFING SERVICES - ADMIN	2,482.40			
1002438	03-07-24	O'REILLY AUTOMOTIVE INC.	OIL FILTER CHANGE UNIT #420	43.93	629.91		629.91
			AIR FRESHENER TRK #413	5.92			
			ERASER WHEEL - FLEET MAINT.	37.87			
			OIL FILTER CHANGE UNIT #419	53.91			
			OIL/CABIN FILTER CHANGE UNIT #413	105.48			
			OIL FILTER CHANGE UNIT #389	135.22			
			ITEMS FOR FLEET MAINT.	37.71			
			OIL FILTER CHANGE UNIT #433	123.37			
			GREASE - FLEET MAINT.	86.50			

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1002439	03-07-24	PARKERS BUILDING SUPPLY	ITEMS FOR FLEET MAINTENANCE	7.09	351.22		351.22
			REPLACEMENT BATTERIES	23.13			
			GLASS SCRAPER W/ BLADE FLEET MAINTENANCE	6.99			
			SPRAY RUBBER SEALANT ADMIN BUILDING	16.44			
			ITEMS FOR GENERATOR ENCLOSURES	15.39			
			MATERIAL FOR GENERATOR ENCLOSURES	13.98			
			SUPPLY ITEMS - FLEET MAINTENANCE	131.33			
			MATERIAL FOR GENERATOR ENCLOSURES	13.99			
			REPAIR ITEMS - FLEET MAINTENANCE	57.37			
			MATERIAL FOR GENERATOR ENCLOSURES	65.51			
1002440	03-07-24	PLANIT REPROGRAPHICS	RANCHO DESCANSO PLANS	45.58	45.58		45.58
1002441	03-07-24	PROFORMA	DIRECT DEPOSIT VOUCHERS	276.88	276.88		276.88
1002442	03-07-24	RUSS MARTIN	MILEAGE REIMBURSEMENT FEB 2024	572.85	572.85		572.85
1002443	03-07-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	5,594.18	5,594.18		5,594.18
1002444	03-07-24	THEODORE MAYRHOFEN	MILEAGE REIMBURSEMENT FEB 2024	182.24	182.24		182.24
1002445	03-15-24	AB FENCE COMPANY, INC.	GATEWAY RESERVOIR FENCE REPAIRS	3,000.00	3,000.00		3,000.00
1002446	03-15-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 02.21.24	284.36	550.87		550.87
			UNIFORM SERVICES 02.28.24	266.51			
1002447	03-15-24	B-81 PAVING INC	PAVING AT VARIOUS LOCATIONS	46,670.50	46,670.50		46,670.50
1002448	03-15-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE - HWWTP CLARIFIER	625.45	987.11		987.11
			TOTAL N PACKAGE - HORTON INFLUENT	151.10			
			TOTAL N PACKAGE - HWWTP/DCWWTP	210.56			
1002449	03-15-24	BRIAN MACY	REIMBURSEMENT - UBER SAC CSDA	39.50	125.53		125.53
			REIMBURSEMENT - UBER SAC CSDA	31.11			
			REIMBURSEMENT - UBER ACWA D.C.	54.92			
1002450	03-15-24	BRINKS INCORPORATED	MONTHLY SERVICES	309.23	390.09		390.09
			MONTHLY SERVICES	80.86			
1002451	03-15-24	CARL GINTHER	TOILET REBATE	100.00	100.00		100.00
1002452	03-15-24	CITIES DIGITAL INC.	LASERFICHE LICENSE & MAINTENANCE	8,680.00	9,750.00		9,750.00
			LASERFICHE LICENSE & SUBSCRIPTION	1,070.00			
1002453	03-15-24	CLINICAL LABORATORY OF SAN BERNARDINO	LAB SERVICES FOR SAMPLES - 01/2024	1,582.00	1,852.00		1,852.00
			BOD TESTING H+DC - 01/2024	270.00			
1002454	03-15-24	CORE & MAIN LP	GATE VALVE	1,478.33	1,478.33		1,478.33
1002455	03-15-24	CUMMINS SOUTHERN PLAINS LLC	TWO PORTABLE GENERATORS	349,957.80	0.00	349,957.80	349,957.80
1002456	03-15-24	CYPRESS DENTAL ADMINISTRATORS	APRIL 2024 PREPAID DENTAL INSURANCE	5,054.41	9,951.58		9,951.58
			MARCH 2024 PREPAID DENTAL INSURANCE	4,897.17			
1002457	03-15-24	DAVID A MILLER	TOILET REBATE	200.00	200.00		200.00
1002458	03-15-24	ECOLOGY AUTO PARTS	SLUDGE HAULING	5,267.98	5,267.98		5,267.98
1002459	03-15-24	FRANCHISE TAX BOARD	GARNISHMENT EE# 72 PMT #13	150.00	150.00		150.00
1002460	03-15-24	INFOSEND INC	NEWSLETTER INSERT - JAN.	1,300.76	4,122.49		4,122.49
			MONTHLY BILLING SERVICES	2,821.73			
1002461	03-15-24	MANPOWER US INC.	STAFFING SERVICES - GM REPORT/GRANT	942.50	7,835.19		7,835.19
			STAFFING SERVICES - GM REPORT/GRANT	1,979.25			
			STAFFING SERVICES - ADMIN.	2,482.40			

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			STAFFING SERVICES - ADMIN.	2,431.04			
1002462	03-15-24	MCDONALD ELECTRIC, INC	SERVICE CALL TO INSTALL PRE-LUBE	671.75	671.75		671.75
1002463	03-15-24	QUADIENT FINANCE USA, INC.	LEASE PAYMENT	650.58	650.58		650.58
1002464	03-15-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 PMT #7	2,787.30	0.00	2,787.30	2,787.30
1002465	03-15-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES	3,795.00	17,717.50		17,717.50
			LEGAL SERVICES	300.00			
			LEGAL SERVICES OVER RETAINER	7,122.50			
			LEGAL SERVICES RETAINER	6,500.00			
1002466	03-15-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	56,338.33	56,338.33		56,338.33
1002467	03-15-24	THE LINCOLN NATL. LIFE INS. CO.	APRIL 2024 PREPAID LIFE INSURANCE	4,123.89	4,123.89		4,123.89
1002468	03-15-24	THE LAMAR COMPANIES	BILLBOARD	950.00	950.00		950.00
1002469	03-15-24	TOPS N BARRICADES, INC	RESTOCK BLUE SURVEY FLAGS	217.50	4,835.51		4,835.51
			NO TRESPASSING SIGNS/POLES ADMIN BUILD.	192.00			
			FASCIA STROBE LIGHTS	1,631.25			
			STROBE LIGHTS - FLEET MAINT.	543.75			
			SAFETY JACKETS - FIELD STAFF	88.41			
			LIGHT BARS - FLEET MAINT.	1,060.31			
			NO TRESPASSING SIGNS/POLES MSWD	796.05			
			NO TRESPASSING SIGNS - ADMIN BUILD.	104.40			
			GREEN SURVEY FLAGS/ MARKING PAINT W/W	201.84			
1002470	03-15-24	USA BLUEBOOK	HARDWARE - WATER PRODUCTION	90.46	5,780.01		5,780.01
			DPD DISPENSERS	282.53			
			TEST TABLETS HORTON PLANT	168.42			
			DIGITAL GAUGE - WATER PRODUCTION	224.03			
			PUMP - WATER PRODUCTION	3,520.81			
			FITTINGS - WATER PRODUCTION	897.57			
			LAB ITEMS - HORTON PLANT	596.19			
1002471	03-15-24	VERIZON CONNECT FLEET USA LLC	GPS TRACKING SUBSCRIPTION	587.45	587.45		587.45
1002472	03-15-24	WALTON MOTORS & CONTROLS, INC.	MOTOR REPAIR	15,466.67	15,466.67		15,466.67
1002473	03-15-24	WESTERN WATER WORKS	INVENTORY	13,957.08	19,266.57		19,266.57
			HARDWARE INVENTORY	5,309.49			
1002474	03-15-24	XEROX CORPORATION	XEROX LEASE ENGINEERING	394.78	394.78		394.78
1002475	03-21-24	AIR & HOSE SOURCE INC.	REPLACEMENT PRESSURE WASHER PARTS	421.95	635.10		635.10
			CAM LOCKS FOR HORTON PLANT	213.15			
1002476	03-21-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 03.06.24	325.16	325.16		325.16
1002477	03-21-24	ARNOLD LUTZ	EXCESS PROCEEDS REIMBURSEMENT CLAIM	1,415.34	1,415.34		1,415.34
1002478	03-21-24	BABCOCK LABORATORIES, INC.	CANNABIS FACILITY DISCHARGE SAMPLING - JEETER	401.26	401.26		401.26
1002479	03-21-24	BRIAN MACY	REIMBURSEMENT - UBER D.C.	40.94	40.94		40.94
1002480	03-21-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE WELL 34	230.59	2,447.56	230.59	2,678.15
			S.E.P. - FEB. 2024	1,134.65			
			LABOR COMPLIANCE - MCDONALD ELEC.	420.05			
			LABOR COMPLIANCE - URBAN HABITAT	327.81			
			LABOR COMPLIANCE - B-81 PAVING INC.	327.81			
			LABOR COMPLIANCE - LO LYNCH	237.24			

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1002481	03-21-24	CHRISTOPHER JACOBSON	WORK BOOTS REIMBURSEMENT	50.83	50.83		50.83
1002482	03-21-24	CITY OF DESERT HOT SPRINGS	UUT JANUARY 2024	30,075.96	30,075.96		30,075.96
1002483	03-21-24	DESERT VALLEY DISPOSAL, INC.	FEBRUARY SERVICE - ADMIN. FEBRUARY SERVICE CORP. YARD	544.89 793.90	1,338.79		1,338.79
1002484	03-21-24	DOWNING CONSTRUCTION, INC.	PROGRESS PAYMENT #12	609,037.05	0.00	609,037.05	609,037.05
1002485	03-21-24	ECOLOGY AUTO PARTS	SLUDGE HAULING SLUDGE HAULING SLUDGE HAULING	3,890.82 1,901.64 3,893.67	9,686.13		9,686.13
1002486	03-21-24	ENVIROGEN TECHNOLOGIES INC	WELL 26A URANIUM TREATMENT	4,120.87	4,120.87		4,120.87
1002487	03-21-24	EXECUTIVE FACILITIES SERVICES, INC.	JANITORIAL SERVICES - 02/2024	1,830.00	1,830.00		1,830.00
1002488	03-21-24	FERGUSON WATERWORKS #1083	REPLACEMENT REGISTERS	1,034.40	1,034.40		1,034.40
1002489	03-21-24	FORSHOCK	SCADA MONITORING - 03/2024 SCADA REVIEW AND DRAWINGS CL2 ANALYZER - WELL 29	220.00 4,275.00	2,570.00	1,925.00	4,495.00
1002490	03-21-24	BUSINESS RADIO LICENSING	BUSINESS RADIO LICENSE RENEWAL	115.00	115.00		115.00
1002491	03-21-24	GRAINGER	MAG CONTACTOR - HORTON PLANT	118.14	118.14		118.14
1002492	03-21-24	KYLE GROUNDWATER, INC.	WELL 34 HYDRO SERVICES PROGRESS PAYMENT #3	11,478.30	0.00	11,478.30	11,478.30
1002493	03-21-24	LEGEND PUMP & WELL SERVICE, INC.	PROGRESS PAYMENT #3	132,230.50	0.00	132,230.50	132,230.50
1002494	03-21-24	LUBRICATION ENGINEERS	RESTOCK 4 PAILS 8800-PL MONOLEC OIL	778.95	778.95		778.95
1002495	03-21-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN.	2,482.40	2,482.40		2,482.40
1002496	03-21-24	MATHESON TRI-GAS, INC	REPLACEMENT YELLOW SAFETY SHIRTS RESTOCK CLEAR SAFETY GLASSES	1,333.41 29.63	1,363.04		1,363.04
1002497	03-21-24	MCMASTER-CARR	2" BRASS THREAD PLUGS COPPER TUBING	204.42 433.85	638.27		638.27
1002498	03-21-24	MOTION INDUSTRIES, INC.	REPAIR FOR RAS PUMP 6	132.02	132.02		132.02
1002499	03-21-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT BATTERIES - HORTON PLANT REPLACEMENT WIPER BLADES UNIT #409	473.19 43.94	517.13		517.13
1002500	03-21-24	PALM SPRINGS MOTORS INC	MULTIPOINT VEHICLE DIAGNOSTICS TRK 404	376.39	376.39		376.39
1002501	03-21-24	PALM SPRINGS PEST CONTROL, INC.	PEST CONTROL - ADMIN. BLDG PEST CONTROL - ANNEX BLDG BAIT BOX - ADMIN BLDG	90.00 65.00 40.00	195.00		195.00
1002502	03-21-24	PARAGON PARTNERS CONSULTANTS INC	SCE LITTLE MORONGO EASEMENT PP #1	2,377.50	0.00	2,377.50	2,377.50
1002503	03-21-24	PARKERS BUILDING SUPPLY	WELDING WIRE - FLEET MAINT.	18.30	18.30		18.30
1002504	03-21-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	265.00	265.00		265.00
1002505	03-21-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	76.56	76.56		76.56
1002506	03-21-24	ROTARY CLUB OF DESERT HOT SPRINGS	BIG HEART SPONSORSHIP	2,500.00	2,500.00		2,500.00
1002507	03-21-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	3,981.88	3,981.88		3,981.88
1002508	03-21-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 - MSWD VS SCE - PMT #8	3,457.35	0.00	3,457.35	3,457.35
1002509	03-21-24	SO CAL GAS	GAS BILL - 02/2024	151.91	151.91		151.91
1002510	03-21-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL ELECTRIC BILL	32,843.87 2,486.67	35,330.54		35,330.54
1002511	03-21-24	STATE WATER RESOURCES CONTROL BOARD	WWTPO GRADE 2 RENEWAL - GREG CHAPMAN	150.00	150.00		150.00
1002512	03-21-24	T4 SPATIAL, LLC	CCTV STORAGE - FEB. 2024 CCTV STORAGE - MARCH 2024	1,250.00 1,250.00	2,500.00		2,500.00

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1002513	03-21-24	THE UPS STORE #5062	SHIPPING CHARGE, BERKELEY SPRINGS WATER	53.95	53.95		53.95
1002514	03-21-24	TKE ENGINEERING, INC	CONSULTANT DESIGN SERVICES - JAN 2024	552.50	0.00	552.50	552.50
1002515	03-21-24	TOM DODSON & ASSOCIATES	CEQA COMPLIANCE SERVICES	509.60	0.00	509.60	509.60
1002516	03-21-24	UNDERGROUND SERVICE ALERT	UNDERGROUND SERVICE ALERT	304.00	304.00		304.00
1002517	03-21-24	USA BLUEBOOK	DRUM PUMP KIT - WATER PRODUCTION	2,028.65	2,028.65		2,028.65
1002518	03-21-24	VAGABOND WELDING SUPPLY	MATERIAL FOR GENERATOR ENCLOSURES	232.73	1,182.08		1,182.08
			MATERIAL FOR BACK RACKS	72.06			
			MATERIAL FOR GENERATOR ENCLOSURES	877.29			
1002519	03-21-24	VALLEY LOCK & SAFE	ADMIN SERVER ROOM RE-KEY	134.69	279.69		279.69
			WAREHOUSE DOOR REPAIR	145.00			
1002520	03-21-24	WATERLINE TECHNOLOGIES INC.	4 DRUMS REFILLED #5673072	978.37	978.37		978.37
1002521	03-21-24	WESTERN PUMP INC	ANNUAL FUEL TANK STORAGE INSPECTION	1,239.21	1,239.21		1,239.21
1002522	03-21-24	WEST COAST SAND AND GRAVEL INC.	RESTOCK BASE MATERIAL 23.23 TONS - CORP YARD	487.02	487.02		487.02
1002523	03-21-24	WESTAIR GASES & EQUIPMENT, INC.	EXCHANGE CO2 TANK - WATER PRODUCTION	71.71	157.76		157.76
			REFILL WELDING GAS - FLEET MAINT.	86.05			
1002524	03-21-24	WEST YOST & ASSOCIATES, INC.	PROGRESS PAYMENT #22	3,953.00	3,953.00		3,953.00
			11423-12823				
1002525	03-21-24	WHITE CAP CONSTRUCTION SUPPLY	CAUTION TAPE, PICK HAMMERS	179.05	627.43		627.43
			RESTOCK WORK GLOVES, COOLER PACKS	448.38			
1002526	03-28-24	ADAM WAGNER	TREATMENT CERT. RENEWAL - ADAM W.	60.00	60.00		60.00
1002527	03-28-24	ADT COMMERCIAL LLC	SECURITY ALARM	347.24	347.24		347.24
1002528	03-28-24	ANSAFONE CONTACT CENTERS	ANSWERING SERVICE	290.63	290.63		290.63
1002529	03-28-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES	308.80	578.60		578.60
			UNIFORM SERVICES	269.80			
1002530	03-28-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE SAMPLES - HWWTP	1,611.50	1,611.50		1,611.50
1002531	03-28-24	BRAX COMPANY, INC.	REPLACEMENT FLOATS FOR D.P.L.S.	472.55	472.55		472.55
1002532	03-28-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE - WELL 22	189.46	0.00	189.46	189.46
1002533	03-28-24	CLINICAL LABORATORY OF SAN BERNARDINO	BOD TESTING H + DC - 02/24	320.00	7,308.00		7,308.00
			UCMR TESTING/LAB SAMPLES	6,988.00			
1002534	03-28-24	COFFMAN ELECTRICAL EQUIPMENT CO	UPGRADED REP. CABLES FOR NEW GENERATORS	6,334.00	6,334.00		6,334.00
1002535	03-28-24	FEDEX	WELLS FARGO OVERNIGHT FEE	82.09	133.80		133.80
			WELLS FARGO OVERNIGHT FEE	51.71			
1002536	03-28-24	FRANCHISE TAX BOARD	GARNISHMENT EE#72 PMT #14	150.00	150.00		150.00
1002537	03-28-24	INTELESYS	SERVER ROOM MONITORING	1,146.27	1,146.27		1,146.27
1002538	03-28-24	L.O. LYNCH QUALITY WELLS & PUMPS, INC.	WELL 22 EQUIPMENT & LABOR	17,178.00	0.00	17,178.00	17,178.00
1002539	03-28-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT STARTER UNIT #401	210.64	398.97		398.97
			REPLACEMENT MINI BLUB UNIT#405	9.15			
			REPLACEMENT BATTERY UNIT #401	45.62			
			OIL FILTER CHANGE UNIT #409	54.03			
			FUEL HOSE - WRIGHT BUILDING	14.16			
			HAND CLEANER - HORTON PLANT	34.24			
			TRAILER WIRE ADAPTER UNIT #442	31.13			
1002540	03-28-24	OVIVO USA LLC	AERATOR MOTOR COUPLINGS	997.16	997.16		997.16
1002541	03-28-24	PARKERS BUILDING SUPPLY	MISC ITEMS - PRODUCTION	5.99	5.99		5.99

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1002542	03-28-24	POLYDYNE, INC.	3-TOTES POLYMER SLUDGE WASTING	8,464.71	8,464.71		8,464.71
1002543	03-28-24	RAY LOPEZ ASSOCIATES	LANDSCAPE INSPECTIONS	7,700.00	7,700.00		7,700.00
1002544	03-28-24	ROBERT G MODRICH	FEB 2024 UNIDATA MAINTENANCE	4,135.20	4,135.20		4,135.20
1002545	03-28-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES DETACHMENT ANALYSIS	25,287.50	25,287.50		25,287.50
1002546	03-28-24	TRI-STAR CONTRACTING II, INC.	CONSTRUCT 12" PIPE CONNECTION - WELL 22	15,907.00	0.00	30,971.57	30,971.57
			PIPE ALIGNMENT - WELL 22	15,064.57			
1002547	03-28-24	URBAN HABITAT	PALM REMOVAL @ DC FOR MAINLINE BREAK	1,802.96	8,402.96		8,402.96
			LANDSCAPE SERVICES FEB. 2024	6,600.00			
1002548	03-28-24	WESTERN WATER WORKS	3" DI PIPE CL 350	1,483.72	4,922.65		4,922.65
			2" BR SWING CHECK VALVE	1,473.57			
			2" COPPER TUBING	1,965.36			
1002549	03-28-24	WEST YOST & ASSOCIATES, INC.	PROFESSIONAL SVCS DEC. - JAN.	6,301.00	6,301.00		6,301.00
1002550	03-28-24	XEROX CORPORATION	XEROX LEASE - ADMIN	343.73	343.73		343.73
99106362	03-01-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL & INTEREST	45,922.74	45,922.74		45,922.74
99106366	03-01-24	WELLS FARGO BANK	FEB 2024 LOC INTEREST EXP	49,875.00	49,875.00		49,875.00
99106369	03-04-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 02.16.24	37,608.22	37,608.22		37,608.22
99106436	03-08-24	WELLS FARGO BANK	AUTO DEOP PP	140,379.48	140,379.48		140,379.48
			AUTO DEP PPE 03.01.24				
99106437	03-08-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX DEP PPE 03.01.24	58,189.68	58,189.68		58,189.68
99106438	03-08-24	STATE OF CA EDD	STATE TAX PPE 03.01.24	11,613.53	11,613.53		11,613.53
99106439	03-08-24	RIVERSIDE COUNTY DCSS - MAIN OFFICE	MONTHLY IWO - PPE 03.01.24	141.00	141.00		141.00
99106440	03-08-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.01.2024	22,701.54	22,701.54		22,701.54
99106441	03-06-24	PAYNEARME MT, INC.	FEB 2024 PAYNEARME FEES	7,906.82	7,906.82		7,906.82
99106444	03-11-24	AFLAC	FEB 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
99106471	03-08-24	J.F. SHEA CONSTRUCTION, INC.	RETENTION WIRE FOR PP #22	55,542.86	0.00	55,542.86	55,542.86
99106524	03-21-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL AND INTEREST	145,000.00	145,000.00		145,000.00
99106576	03-15-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP#11	26,814.00	0.00	26,814.00	26,814.00
99106626	03-15-24	WELLS FARGO BANK	AUTO DEP PPE 03.15.24	139,958.98	139,958.98		139,958.98
99106627	03-22-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX PPE 03.15.24	57,122.78	57,122.78		57,122.78
99106628	03-22-24	STATE OF CA EDD	STATE TAX PPE 03.15.2024	11,408.13	11,408.13		11,408.13
99106629	03-22-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.15.24	21,134.46	21,134.46		21,134.46
99106630	03-25-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 03.01.2024	35,807.58	35,807.58		35,807.58
99106631	03-21-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP #12	32,054.58	0.00	32,054.58	32,054.58
99106677	03-28-24	AFLAC	MARCH 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
99106679	03-22-24	PAYMENTUS CORPORATION	FEB 2024 CREDIT CARD FEES	3,456.45	3,456.45		3,456.45
99106688	03-29-24	WELLS FARGO - WELLSONE	FEBRUARY 2024 CC PAYMENT	29,328.42	29,328.42		29,328.42
PR030824	03-08-24	EMPLOYEES		1,430.13	1,430.13		1,430.13
PR032224	03-22-24	EMPLOYEES		0.00	0.00		0.00
			CURRENT CHECK TOTAL	4,337,139.4	1,473,761.0	2,863,378.4	4,337,139.4
TOTAL				4,337,139.49	1,473,761.03	2,863,378.46	4,337,139.49

MISSION SPRINGS WATER DISTRICT - 11:49:14 04-03-24
(PAP40:FAP16) CASH DISBURSEMENTS FOR PERIOD 03-01-2024 THRU 03-31-2024 BY CHECK NUMBER

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
164 records listed							

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002435	03-07-24	J.F. SHEA CONSTRUCTION, INC.	PROGRESS PMT #22	1,055,314.34	0.00	1,055,314.34	1,055,314.34
1002484	03-21-24	DOWNING CONSTRUCTION, INC.	PROGRESS PAYMENT #12	609,037.05	0.00	609,037.05	609,037.05
1002429	03-07-24	DOWNING CONSTRUCTION, INC.	PROGRESS PMT #11	509,466.16	0.00	509,466.16	509,466.16
1002455	03-15-24	CUMMINS SOUTHERN PLAINS LLC	TWO PORTABLE GENERATORS	349,957.80	0.00	349,957.80	349,957.80
99106524	03-21-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL AND INTEREST	145,000.00	145,000.00		145,000.00
99106436	03-08-24	WELLS FARGO BANK	AUTO DEOP PP	140,379.48	140,379.48		140,379.48
			AUTO DEP PPE 03.01.24				
99106626	03-15-24	WELLS FARGO BANK	AUTO DEP PPE 03.15.24	139,958.98	139,958.98		139,958.98
1002493	03-21-24	LEGEND PUMP & WELL SERVICE, INC.	PROGRESS PAYMENT #3	132,230.50	0.00	132,230.50	132,230.50
1002418	03-07-24	ACWA-JPIA HEALTH BENEFITS AUTH.	APRIL 2024 PREPAID INSURANCE	107,443.99	107,443.99		107,443.99
1002431	03-07-24	FERGUSON WATERWORKS #1083	NEPTUNE360 AMI RENEWAL	62,311.80	62,311.80		62,311.80
99106437	03-08-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX DEP PPE 03.01.24	58,189.68	58,189.68		58,189.68
99106627	03-22-24	EFTPS-IRS PAYROLL TAX REMITTANCE	FED TAX PPE 03.15.24	57,122.78	57,122.78		57,122.78
1002466	03-15-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	56,338.33	56,338.33		56,338.33
99106471	03-08-24	J.F. SHEA CONSTRUCTION, INC.	RETENTION WIRE FOR PP #22	55,542.86	0.00	55,542.86	55,542.86
99106366	03-01-24	WELLS FARGO BANK	FEB 2024 LOC INTEREST EXP	49,875.00	49,875.00		49,875.00
1002447	03-15-24	B-81 PAVING INC	PAVING AT VARIOUS LOCATIONS	46,670.50	46,670.50		46,670.50
99106362	03-01-24	CITY NATIONAL BANK	CURRENT PAYABLE PRINCIPAL & INTEREST	45,922.74	45,922.74		45,922.74
99106369	03-04-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 02.16.24	37,608.22	37,608.22		37,608.22
99106630	03-25-24	CALIF PUBLIC EMPLOYEES RETIREMENT SYSTEM	PERS PPE 03.01.2024	35,807.58	35,807.58		35,807.58
1002510	03-21-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	32,843.87	35,330.54		35,330.54
			ELECTRIC BILL	2,486.67			
99106631	03-21-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP #12	32,054.58	0.00	32,054.58	32,054.58
1002546	03-28-24	TRI-STAR CONTRACTING II, INC.	CONSTRUCT 12" PIPE CONNECTION - WELL 22	15,907.00	0.00	30,971.57	30,971.57
			PIPE ALIGNMENT - WELL 22	15,064.57			
1002482	03-21-24	CITY OF DESERT HOT SPRINGS	UUT JANUARY 2024	30,075.96	30,075.96		30,075.96
99106688	03-29-24	WELLS FARGO - WELLSONE	FEBRUARY 2024 CC PAYMENT	29,328.42	29,328.42		29,328.42
99106576	03-15-24	DOWNING CONSTRUCTION, INC.	RETENTION WIRE FOR PP#11	26,814.00	0.00	26,814.00	26,814.00
1002545	03-28-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES DETACHMENT ANALYSIS	25,287.50	25,287.50		25,287.50
99106440	03-08-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.01.2024	22,701.54	22,701.54		22,701.54
99106629	03-22-24	LINCOLN NATIONAL LIFE INS CO	DEF COMP PPE 03.15.24	21,134.46	21,134.46		21,134.46
1002473	03-15-24	WESTERN WATER WORKS	INVENTORY	13,957.08	19,266.57		19,266.57
			HARDWARE INVENTORY	5,309.49			
1002465	03-15-24	SLOVAK BARON EMPEY MURPHY & PINKNEY LLP	LEGAL SERVICES	3,795.00	17,717.50		17,717.50
			LEGAL SERVICES	300.00			
			LEGAL SERVICES OVER RETAINER	7,122.50			
			LEGAL SERVICES RETAINER	6,500.00			
1002538	03-28-24	L.O. LYNCH QUALITY WELLS & PUMPS, INC.	WELL 22 EQUIPMENT & LABOR	17,178.00	0.00	17,178.00	17,178.00
1002472	03-15-24	WALTON MOTORS & CONTROLS, INC.	MOTOR REPAIR	15,466.67	15,466.67		15,466.67
1002436	03-07-24	KYLE GROUNDWATER, INC.	WELL 34 PROGRESS PAYMENT #2	13,243.00	0.00	13,243.00	13,243.00
99106438	03-08-24	STATE OF CA EDD	STATE TAX PPE 03.01.24	11,613.53	11,613.53		11,613.53
1002492	03-21-24	KYLE GROUNDWATER, INC.	WELL 34 HYDRO SERVICES PROGRESS PAYMENT #3	11,478.30	0.00	11,478.30	11,478.30

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
99106628	03-22-24	STATE OF CA EDD	STATE TAX PPE 03.15.2024	11,408.13	11,408.13		11,408.13
1002437	03-07-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN	2,482.40	10,996.81		10,996.81
			STAFFING SERVICES - ADMIN	3,063.13			
			STAFFING SERVICES - ADMIN	2,968.88			
			STAFFING SERVICES - ADMIN	2,482.40			
1002456	03-15-24	CYPRESS DENTAL ADMINISTRATORS	APRIL 2024 PREPAID DENTAL INSURANCE	5,054.41	9,951.58		9,951.58
			MARCH 2024 PREPAID DENTAL INSURANCE	4,897.17			
1002452	03-15-24	CITIES DIGITAL INC.	LASERFICHE LICENSE & MAINTENANCE	8,680.00	9,750.00		9,750.00
			LASERFICHE LICENSE & SUBSCRIPTION	1,070.00			
1002485	03-21-24	ECOLOGY AUTO PARTS	SLUDGE HAULING	3,890.82	9,686.13		9,686.13
			SLUDGE HAULING	1,901.64			
			SLUDGE HAULING	3,893.67			
1002433	03-07-24	INFOSEND INC	DEC. BILLING	8,944.04	8,944.04		8,944.04
1002542	03-28-24	POLYDYNE, INC.	3-TOTES POLYMER SLUDGE WASTING	8,464.71	8,464.71		8,464.71
1002547	03-28-24	URBAN HABITAT	PALM REMOVAL @ DC FOR MAINLINE BREAK	1,802.96	8,402.96		8,402.96
			LANDSCAPE SERVICES FEB. 2024	6,600.00			
1002421	03-07-24	BECK OIL, INC.	UNLEADED GASOLINE	6,444.33	8,137.39		8,137.39
			DIESEL FUEL	1,693.06			
1002419	03-07-24	AECOM TECHNICAL SERVICES INC.	CONSTRUCTION SERVICES JAN 2024	8,061.00	0.00	8,061.00	8,061.00
1002434	03-07-24	INTELESYS	IT MANAGED SERVICES	8,055.00	8,055.00		8,055.00
99106441	03-06-24	PAYNEARME MT, INC.	FEB 2024 PAYNEARME FEES	7,906.82	7,906.82		7,906.82
1002461	03-15-24	MANPOWER US INC.	STAFFING SERVICES - GM REPORT/GRANT	942.50	7,835.19		7,835.19
			STAFFING SERVICES - GM REPORT/GRANT	1,979.25			
			STAFFING SERVICES - ADMIN.	2,482.40			
			STAFFING SERVICES - ADMIN.	2,431.04			
1002543	03-28-24	RAY LOPEZ ASSOCIATES	LANDSCAPE INSPECTIONS	7,700.00	7,700.00		7,700.00
1002533	03-28-24	CLINICAL LABORATORY OF SAN BERNARDINO	BOD TESTING H + DC - 02/24	320.00	7,308.00		7,308.00
			UCMR TESTING/LAB SAMPLES	6,988.00			
1002534	03-28-24	COFFMAN ELECTRICAL EQUIPMENT CO	UPGRADED REP. CABLES FOR NEW GENERATORS	6,334.00	6,334.00		6,334.00
1002549	03-28-24	WEST YOST & ASSOCIATES, INC.	PROFESSIONAL SVCS DEC. - JAN.	6,301.00	6,301.00		6,301.00
1002424	03-07-24	CORE & MAIN LP	INVENTORY - WATER PRODUCTION	3,226.70	5,809.01		5,809.01
			INVENTORY - WATER PRODUCTION	468.72			
			INVENTORY - WATER PRODUCTION	529.66			
			INVENTORY - WATER PRODUCTION	1,583.93			
1002470	03-15-24	USA BLUEBOOK	HARDWARE - WATER PRODUCTION	90.46	5,780.01		5,780.01
			DPD DISPENSERS	282.53			
			TEST TABLETS HORTON PLANT	168.42			
			DIGITAL GAUGE - WATER PRODUCTION	224.03			
			PUMP - WATER PRODUCTION	3,520.81			
			FITTINGS - WATER PRODUCTION	897.57			
			LAB ITEMS - HORTON PLANT	596.19			
1002443	03-07-24	SOUTHERN CALIFORNIA EDISON COMPANY	ELECTRIC BILL	5,594.18	5,594.18		5,594.18
1002458	03-15-24	ECOLOGY AUTO PARTS	SLUDGE HAULING	5,267.98	5,267.98		5,267.98
1002422	03-07-24	CARPI & CLAY. INC	FEDERAL ADVOCACY	5,000.00	5,000.00		5,000.00

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002548	03-28-24	WESTERN WATER WORKS	3" DI PIPE CL 350	1,483.72	4,922.65		4,922.65
			2" BR SWING CHECK VALVE	1,473.57			
			2" COPPER TUBING	1,965.36			
1002469	03-15-24	TOPS N BARRICADES, INC	RESTOCK BLUE SURVEY FLAGS	217.50	4,835.51		4,835.51
			NO TRESPASSING SIGNS/POLES ADMIN BUILD.	192.00			
			FASCIA STROBE LIGHTS	1,631.25			
			STROBE LIGHTS - FLEET MAINT.	543.75			
			SAFETY JACKETS - FIELD STAFF	88.41			
			LIGHT BARS - FLEET MAINT.	1,060.31			
			NO TRESPASSING SIGNS/POLES MSWD	796.05			
			NO TRESPASSING SIGNS - ADMIN BUILD.	104.40			
			GREEN SURVEY FLAGS/ MARKING PAINT W/W	201.84			
1002489	03-21-24	FORSHOCK	SCADA MONITORING - 03/2024	220.00	2,570.00	1,925.00	4,495.00
			SCADA REVIEW AND DRAWINGS	4,275.00			
			CL2 ANALYZER - WELL 29				
1002544	03-28-24	ROBERT G MODRICH	FEB 2024 UNIDATA MAINTENANCE	4,135.20	4,135.20		4,135.20
1002467	03-15-24	THE LINCOLN NATL. LIFE INS. CO.	APRIL 2024 PREPAID LIFE INSURANCE	4,123.89	4,123.89		4,123.89
1002460	03-15-24	INFOSEND INC	NEWSLETTER INSERT - JAN.	1,300.76	4,122.49		4,122.49
			MONTHLY BILLING SERVICES	2,821.73			
1002486	03-21-24	ENVIROGEN TECHNOLOGIES INC	WELL 26A URANIUM TREATMENT	4,120.87	4,120.87		4,120.87
1001677	03-19-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	-3,981.88	-3,981.88		-3,981.88
1002507	03-21-24	SCHNEIDER ELECTRIC SYSTEMS USA INC	SCADA ANNUAL SUPPORT AGREEMENT	3,981.88	3,981.88		3,981.88
1002524	03-21-24	WEST YOST & ASSOCIATES, INC.	PROGRESS PAYMENT #22	3,953.00	3,953.00		3,953.00
			11423-12823				
1002508	03-21-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 - MSWD VS SCE - PMT #8	3,457.35	0.00	3,457.35	3,457.35
99106679	03-22-24	PAYMENTUS CORPORATION	FEB 2024 CREDIT CARD FEES	3,456.45	3,456.45		3,456.45
1002445	03-15-24	AB FENCE COMPANY, INC.	GATEWAY RESERVOIR FENCE REPAIRS	3,000.00	3,000.00		3,000.00
1002426	03-07-24	CV STRATEGIES	LEGISLATIVE BROCHURE	835.00	2,995.00		2,995.00
			VIDEO SERVICES	2,160.00			
1002464	03-15-24	SHEPPARD, MULLIN, RICHTER & HAMPTON, LLP	92DM-378557 PMT #7	2,787.30	0.00	2,787.30	2,787.30
99106444	03-11-24	AFLAC	FEB 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
99106677	03-28-24	AFLAC	MARCH 2024 AFLAC DEDUCTIONS	2,774.46	2,774.46		2,774.46
1002480	03-21-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE WELL 34	230.59	2,447.56	230.59	2,678.15
			S.E.P. - FEB. 2024	1,134.65			
			LABOR COMPLIANCE - MCDONALD ELEC.	420.05			
			LABOR COMPLIANCE - URBAN HABITAT	327.81			
			LABOR COMPLIANCE - B-81 PAVING INC.	327.81			
			LABOR COMPLIANCE - LO LYNCH	237.24			
1002506	03-21-24	ROTARY CLUB OF DESERT HOT SPRINGS	BIG HEART SPONSORSHIP	2,500.00	2,500.00		2,500.00
1002512	03-21-24	T4 SPATIAL, LLC	CCTV STORAGE - FEB. 2024	1,250.00	2,500.00		2,500.00
			CCTV STORAGE - MARCH 2024	1,250.00			
1002495	03-21-24	MANPOWER US INC.	STAFFING SERVICES - ADMIN.	2,482.40	2,482.40		2,482.40
1002502	03-21-24	PARAGON PARTNERS CONSULTANTS INC	SCE LITTLE MORONGO EASEMENT PP #1	2,377.50	0.00	2,377.50	2,377.50
1002517	03-21-24	USA BLUEBOOK	DRUM PUMP KIT - WATER PRODUCTION	2,028.65	2,028.65		2,028.65

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002453	03-15-24	CLINICAL LABORATORY OF SAN BERNARDINO	LAB SERVICES FOR SAMPLES - 01/2024	1,582.00	1,852.00		1,852.00
			BOD TESTING H+DC - 01/2024	270.00			
1002487	03-21-24	EXECUTIVE FACILITIES SERVICES, INC.	JANITORIAL SERVICES - 02/2024	1,830.00	1,830.00		1,830.00
1002530	03-28-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE SAMPLES - HWWTP	1,611.50	1,611.50		1,611.50
1002454	03-15-24	CORE & MAIN LP	GATE VALVE	1,478.33	1,478.33		1,478.33
PR030824	03-08-24	EMPLOYEES		1,430.13	1,430.13		1,430.13
1002477	03-21-24	ARNOLD LUTZ	EXCESS PROCEEDS REIMBURSEMENT CLAIM	1,415.34	1,415.34		1,415.34
1002496	03-21-24	MATHESON TRI-GAS, INC	REPLACEMENT YELLOW SAFETY SHIRTS	1,333.41	1,363.04		1,363.04
			RESTOCK CLEAR SAFETY GLASSES	29.63			
1002483	03-21-24	DESERT VALLEY DISPOSAL, INC.	FEBRUARY SERVICE - ADMIN.	544.89	1,338.79		1,338.79
			FEBRUARY SERVICE CORP. YARD	793.90			
1002521	03-21-24	WESTERN PUMP INC	ANNUAL FUEL TANK STORAGE INSPECTION	1,239.21	1,239.21		1,239.21
1002518	03-21-24	VAGABOND WELDING SUPPLY	MATERIAL FOR GENERATOR ENCLOSURES	232.73	1,182.08		1,182.08
			MATERIAL FOR BACK RACKS	72.06			
			MATERIAL FOR GENERATOR ENCLOSURES	877.29			
1002537	03-28-24	INTELESYS	SERVER ROOM MONITORING	1,146.27	1,146.27		1,146.27
1002488	03-21-24	FERGUSON WATERWORKS #1083	REPLACEMENT REGISTERS	1,034.40	1,034.40		1,034.40
1002540	03-28-24	OVIVO USA LLC	AERATOR MOTOR COUPLINGS	997.16	997.16		997.16
1002448	03-15-24	BABCOCK LABORATORIES, INC.	TOTAL N PACKAGE - HWWTP CLARIFIER	625.45	987.11		987.11
			TOTAL N PACKAGE - HORTON INFLUENT	151.10			
			TOTAL N PACKAGE - HWWTP/DCWWTP	210.56			
1002520	03-21-24	WATERLINE TECHNOLOGIES INC.	4 DRUMS REFILLED #5673072	978.37	978.37		978.37
1002468	03-15-24	THE LAMAR COMPANIES	BILLBOARD	950.00	950.00		950.00
1002494	03-21-24	LUBRICATION ENGINEERS	RESTOCK 4 PAILS 8800-PL MONOLEC OIL	778.95	778.95		778.95
1002462	03-15-24	MCDONALD ELECTRIC, INC	SERVICE CALL TO INSTALL PRE-LUBE	671.75	671.75		671.75
1002463	03-15-24	QUADIENT FINANCE USA, INC.	LEASE PAYMENT	650.58	650.58		650.58
1002423	03-07-24	CASEY DOLAN	DIGITAL AD MGMT & CONSULTING	650.00	650.00		650.00
1002497	03-21-24	MCMASTER-CARR	2" BRASS THREAD PLUGS	204.42	638.27		638.27
			COPPER TUBING	433.85			
1002475	03-21-24	AIR & HOSE SOURCE INC.	REPLACEMENT PRESSURE WASHER PARTS	421.95	635.10		635.10
			CAM LOCKS FOR HORTON PLANT	213.15			
1002438	03-07-24	O'REILLY AUTOMOTIVE INC.	OIL FILTER CHANGE UNIT #420	43.93	629.91		629.91
			AIR FRESHENER TRK #413	5.92			
			ERASER WHEEL - FLEET MAINT.	37.87			
			OIL FILTER CHANGE UNIT #419	53.91			
			OIL/CABIN FILTER CHANGE UNIT #413	105.48			
			OIL FILTER CHANGE UNIT #389	135.22			
			ITEMS FOR FLEET MAINT.	37.71			
			OIL FILTER CHANGE UNIT #433	123.37			
			GREASE - FLEET MAINT.	86.50			
1002525	03-21-24	WHITE CAP CONSTRUCTION SUPPLY	CAUTION TAPE, PICK HAMMERS	179.05	627.43		627.43
			RESTOCK WORK GLOVES, COOLER PACKS	448.38			
1002471	03-15-24	VERIZON CONNECT FLEET USA LLC	GPS TRACKING SUBSCRIPTION	587.45	587.45		587.45
1002529	03-28-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES	308.80	578.60		578.60

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
			UNIFORM SERVICES	269.80			
1002442	03-07-24	RUSS MARTIN	MILEAGE REIMBURSEMENT FEB 2024	572.85	572.85		572.85
1002514	03-21-24	TKE ENGINEERING, INC	CONSULTANT DESIGN SERVICES - JAN 2024	552.50	0.00	552.50	552.50
1002446	03-15-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 02.21.24	284.36	550.87		550.87
			UNIFORM SERVICES 02.28.24	266.51			
1002499	03-21-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT BATTERIES - HORTON PLANT	473.19	517.13		517.13
			REPLACEMENT WIPER BLADES UNIT #409	43.94			
1002515	03-21-24	TOM DODSON & ASSOCIATES	CEQA COMPLIANCE SERVICES	509.60	0.00	509.60	509.60
1002415	03-05-24	LUIS MAGDALENO	ACCOUNT REFUND JOSHUA RD & SAGEBRUSH AVE	508.19	508.19		508.19
1002427	03-07-24	DESERT HOT SPRINGS LITTLE LEAGUE	SPONSORSHIP	500.00	500.00		500.00
1002522	03-21-24	WEST COAST SAND AND GRAVEL INC.	RESTOCK BASE MATERIAL 23.23 TONS - CORP YARD	487.02	487.02		487.02
1002531	03-28-24	BRAX COMPANY, INC.	REPLACEMENT FLOATS FOR D.P.L.S.	472.55	472.55		472.55
1002478	03-21-24	BABCOCK LABORATORIES, INC.	CANNABIS FACILITY DISCHARGE SAMPLING - JEETER	401.26	401.26		401.26
1002539	03-28-24	O'REILLY AUTOMOTIVE INC.	REPLACEMENT STARTER UNIT #401	210.64	398.97		398.97
			REPLACEMENT MINI BLUB UNIT#405	9.15			
			REPLACEMENT BATTERY UNIT #401	45.62			
			OIL FILTER CHANGE UNIT #409	54.03			
			FUEL HOSE - WRIGHT BUILDING	14.16			
			HAND CLEANER - HORTON PLANT	34.24			
			TRAILER WIRE ADAPTER UNIT #442	31.13			
1002474	03-15-24	XEROX CORPORATION	XEROX LEASE ENGINEERING	394.78	394.78		394.78
1002450	03-15-24	BRINKS INCORPORATED	MONTHLY SERVICES	309.23	390.09		390.09
			MONTHLY SERVICES	80.86			
1002500	03-21-24	PALM SPRINGS MOTORS INC	MULTIPOINT VEHICLE DIAGNOSTICS TRK 404	376.39	376.39		376.39
1002439	03-07-24	PARKERS BUILDING SUPPLY	ITEMS FOR FLEET MAINTENANCE	7.09	351.22		351.22
			REPLACEMENT BATTERIES	23.13			
			GLASS SCRAPER W/ BLADE FLEET MAINTENANCE	6.99			
			SPRAY RUBBER SEALANT ADMIN BUILDING	16.44			
			ITEMS FOR GENERATOR ENCLOSURES	15.39			
			MATERIAL FOR GENERATOR ENCLOSURES	13.98			
			SUPPLY ITEMS - FLEET MAINTENANCE	131.33			
			MATERIAL FOR GENERATOR ENCLOSURES	13.99			
			REPAIR ITEMS - FLEET MAINTENANCE	57.37			
			MATERIAL FOR GENERATOR ENCLOSURES	65.51			
1002527	03-28-24	ADT COMMERCIAL LLC	SECURITY ALARM	347.24	347.24		347.24
1002550	03-28-24	XEROX CORPORATION	XEROX LEASE - ADMIN	343.73	343.73		343.73
1002476	03-21-24	ARAMARK UNIFORM SERVICES, LLC	UNIFORM SERVICES 03.06.24	325.16	325.16		325.16
1002516	03-21-24	UNDERGROUND SERVICE ALERT	UNDERGROUND SERVICE ALERT	304.00	304.00		304.00
1002432	03-07-24	HDL COREN & CONE	FY13 ASSD. VALUE REPORT FOR ACFR STATS	300.00	300.00		300.00
1002528	03-28-24	ANSAFONE CONTACT CENTERS	ANSWERING SERVICE	290.63	290.63		290.63
1002519	03-21-24	VALLEY LOCK & SAFE	ADMIN SERVER ROOM RE-KEY	134.69	279.69		279.69
			WAREHOUSE DOOR REPAIR	145.00			
1002441	03-07-24	PROFORMA	DIRECT DEPOSIT VOUCHERS	276.88	276.88		276.88
1002287	03-19-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	-265.00	-265.00		-265.00

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
1002504	03-21-24	PAYNEARME MT, INC.	CHARGEBACKS/ACH RETURNS	265.00	265.00		265.00
1002428	03-07-24	DHS EAGLES INC	EAGLES SPONSOR	250.00	250.00		250.00
1002457	03-15-24	DAVID A MILLER	TOILET REBATE	200.00	200.00		200.00
1002501	03-21-24	PALM SPRINGS PEST CONTROL, INC.	PEST CONTROL - ADMIN. BLDG	90.00	195.00		195.00
			PEST CONTROL - ANNEX BLDG	65.00			
			BAIT BOX - ADMIN BLDG	40.00			
1002532	03-28-24	CASAMAR GROUP, LLC	LABOR COMPLIANCE - WELL 22	189.46	0.00	189.46	189.46
1002444	03-07-24	THEODORE MAYRHOFEN	MILEAGE REIMBURSEMENT FEB 2024	182.24	182.24		182.24
1002414	03-05-24	ANA MUNOZ	ACCOUNT REFUND 66623 EL DORADO PL	175.02	175.02		175.02
1002523	03-21-24	WESTAIR GASES & EQUIPMENT, INC.	EXCHANGE CO2 TANK - WATER PRODUCTION	71.71	157.76		157.76
			REFILL WELDING GAS - FLEET MAINT.	86.05			
1002509	03-21-24	SO CAL GAS	GAS BILL - 02/2024	151.91	151.91		151.91
1002459	03-15-24	FRANCHISE TAX BOARD	GARNISHMENT EE# 72 PMT #13	150.00	150.00		150.00
1002511	03-21-24	STATE WATER RESOURCES CONTROL BOARD	WWTPO GRADE 2 RENEWAL - GREG CHAPMAN	150.00	150.00		150.00
1002536	03-28-24	FRANCHISE TAX BOARD	GARNISHMENT EE#72 PMT #14	150.00	150.00		150.00
99106439	03-08-24	RIVERSIDE COUNTY DCSS - MAIN OFFICE	MONTHLY IWO - PPE 03.01.24	141.00	141.00		141.00
1002535	03-28-24	FEDEX	WELLS FARGO OVERNIGHT FEE	82.09	133.80		133.80
			WELLS FARGO OVERNIGHT FEE	51.71			
1002498	03-21-24	MOTION INDUSTRIES, INC.	REPAIR FOR RAS PUMP 6	132.02	132.02		132.02
1002449	03-15-24	BRIAN MACY	REIMBURSEMENT - UBER SAC CSDA	39.50	125.53		125.53
			REIMBURSEMENT - UBER SAC CSDA	31.11			
			REIMBURSEMENT - UBER ACWA D.C.	54.92			
1002491	03-21-24	GRAINGER	MAG CONTACTOR - HORTON PLANT	118.14	118.14		118.14
1002490	03-21-24	BUSINESS RADIO LICENSING	BUSINESS RADIO LICENSE RENEWAL	115.00	115.00		115.00
1002451	03-15-24	CARL GINTHER	TOILET REBATE	100.00	100.00		100.00
1000831	03-18-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	-76.56	-76.56		-76.56
1002505	03-21-24	RICHARD BENEDETTI	ACCOUNT REFUND 11263 POMELO DR	76.56	76.56		76.56
1002416	03-05-24	SOLOMON RODRIGUEZ	ACCOUNT REFUND 13940 NAHUM DR "A"	64.39	64.39		64.39
1002417	03-05-24	WENDELL ORTIZ	ACCOUNT REFUND 9551 SANTA CRUZ RD	63.16	63.16		63.16
1002526	03-28-24	ADAM WAGNER	TREATMENT CERT. RENEWAL - ADAM W.	60.00	60.00		60.00
1002513	03-21-24	THE UPS STORE #5062	SHIPPING CHARGE, BERKELEY SPRINGS WATER	53.95	53.95		53.95
1002430	03-07-24	FEDEX	OVERNIGHT FEE	51.93	51.93		51.93
1002481	03-21-24	CHRISTOPHER JACOBSON	WORK BOOTS REIMBURSEMENT	50.83	50.83		50.83
1002425	03-07-24	COUNTY OF RIVERSIDE	ROOM FEE 02/21 & 03/27	50.00	50.00		50.00
1002440	03-07-24	PLANIT REPROGRAPHICS	RANCHO DESCANSO PLANS	45.58	45.58		45.58
1002479	03-21-24	BRIAN MACY	REIMBURSEMENT - UBER D.C.	40.94	40.94		40.94
1002420	03-07-24	AMBER DUFF	MILEAGE REIMBURSEMENT FEB 2024	30.82	30.82		30.82
1002503	03-21-24	PARKERS BUILDING SUPPLY	WELDING WIRE - FLEET MAINT.	18.30	18.30		18.30
1002541	03-28-24	PARKERS BUILDING SUPPLY	MISC ITEMS - PRODUCTION	5.99	5.99		5.99
PR032224	03-22-24	EMPLOYEES		0.00	0.00		0.00
			CURRENT CHECK TOTAL	4,337,139.4	1,473,761.0	2,863,378.4	4,337,139.4
TOTAL				4,337,139.49	1,473,761.03	2,863,378.46	4,337,139.49

CHECK NUMBER	CHECK DATE	PAID TO VENDOR	DISBURSEMENT DESCRIPTION	INVOICE AMOUNT	OPERATING	CAPITAL	TOTAL
164 records listed							

AGENDA REPORT

REGULAR BOARD MEETING APRIL 11 & 15, 2024

DIRECTOR REPORTS – MEETINGS AND EVENTS FOR MARCH 2024

DIRECTOR REPORTS

(Per GC 53232.3(d) brief reports on meetings attended for which a daily stipend was claimed)

Date	Event	Attendees
3/5/2024	RIVCO BOARD OF SUPERVISORS MEETING	MARTIN
3/5/2024	DWA BOARD MEETING	GRIFFITH
3/7/2024	DVBA LEGISLATIVE MEETING	MARTIN
3/11/2024	DVBA BOARD MEETING	MARTIN
3/12/2024	RIVCO BOARD OF SUPERVISORS MEETING	MARTIN
3/12/2024	CVWD BOARD MEETING	DUFF
3/12/2024	DHS PLANNING COMMISSION	MAYRHOFEN
3/19/2024	DWA ZOOM MEETING	DUFF
3/19/2024	RIVCO BOARD OF SUPERVISORS MEETING	MARTIN
3/19 – 3/22/2024	MSWD FEDERAL LEGISLATIVE TRIP (D.C.)	SEWELL, GRIFFITH
3/21/2024	DVBA NETWORKING NIGHT	MARTIN
3/25/2024	CVAG ~ CVCC MEETING	DUFF
3/26/2024	CVWD BOARD MEETING	DUFF
3/27/2024	BIA CV MEET THE BUILDER ROUND-ROBIN	MAYRHOFEN
3/27/2024	SAN GORGONIO PASS REGIONAL WATER ALLIANCE MEETING	DUFF
3/28/2024	DVBA MEET & GREET BREAKFAST	MARTIN
3/29/2024	CVCAN BOWLING/NETWORKING EVENT	MAYRHOFEN

(OTHER) MEETINGS ATTENDED (*no daily stipend was claimed)

Date	Event	Attendees
3/5/2024	DHS CITY COUNCIL MEETING	MARTIN
3/6/2024	ACWA GROUNDWATER COMMITTEE MEETING	DUFF
3/9/2024	DHS LITTLE LEAGUE OPENING DAY	MARTIN

3/10/2024	WOMEN'S CLUB FASHION SHOW	MARTIN
3/14/2024	DVBA GENERAL MEMBERSHIP LUNCHEON	MARTIN
3/14/2024	ACWA SGMA IMPLEMENTATION	DUFF
3/21/2024	PSUSD PRINCIPAL FOR THE DAY	MARTIN
3/28/2024	SENIOR INSPIRATION AWARDS	MARTIN, GRIFFITH

APRIL 2024



Item 26.

GENERAL MANAGER'S REPORT



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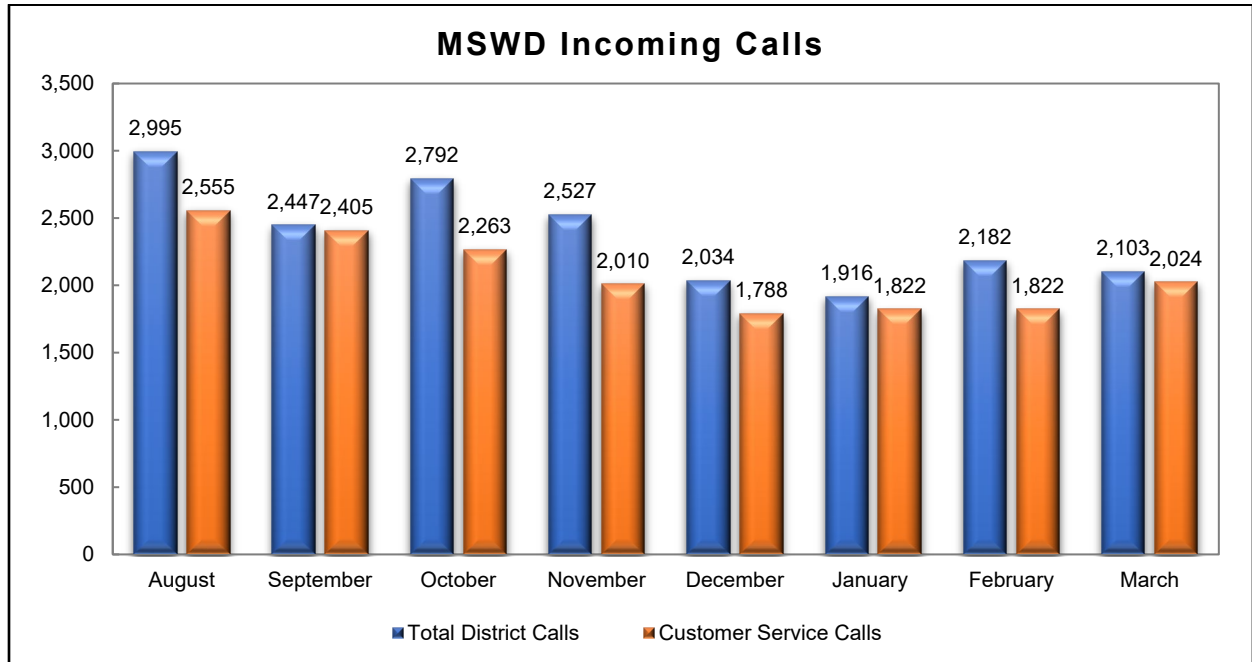
- APPENDIX A – Finance & Accounting Information**
- APPENDIX B – Wastewater & Water Production Tables**
- APPENDIX C – Federal Update from Carpi & Clay**
- APPENDIX D – Public Affairs Information**

ADMINISTRATION

Customer Service

Calls into the Customer Service Department

After the District had seen a steady decrease in the number of calls earlier, the number of calls has been fairly static over the last four months. The chart below represents total MSWD incoming calls and those received by the Customer Service staff.

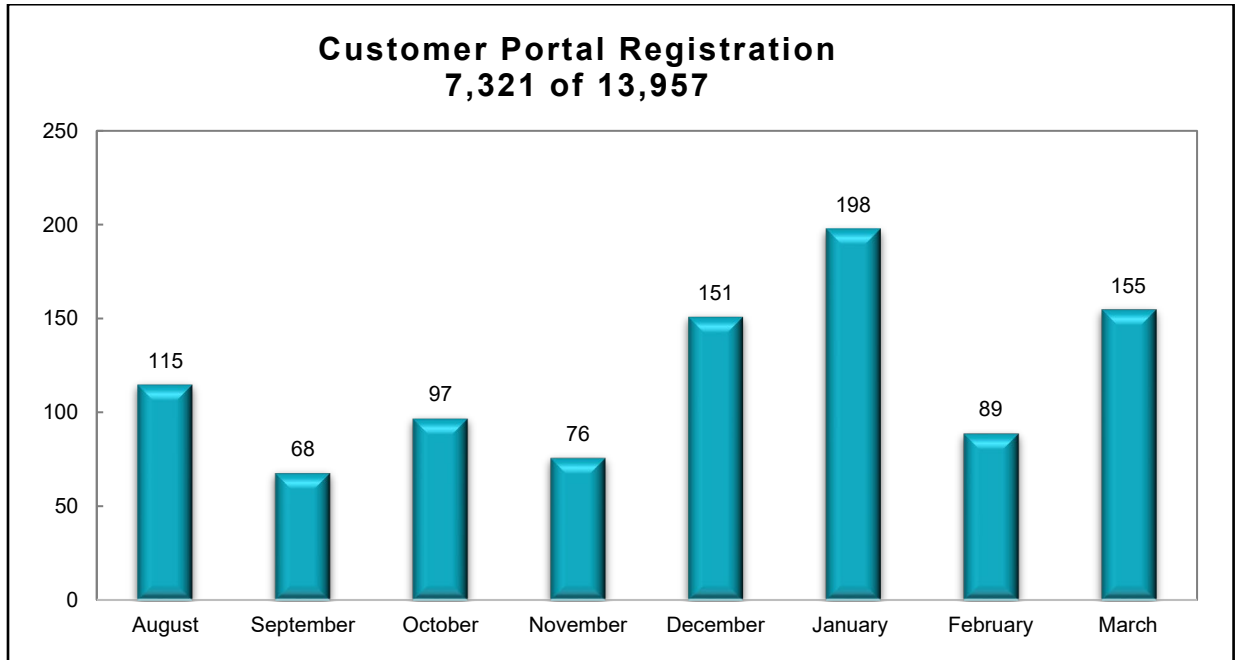


Most calls are related to payment plans, bill assistance information, demand/lien release requests, new property start/stop service, and account balance requests. The table below provides a summary of the number of calls by category received by the Customer Service staff.

Customer Request	Total for March 2024	Monthly Average for FY 2024	Total for FY 2024
Water Waste	1	1.11	10
High Bill Calls / Service Line Leaks	4	6.56	59
No Water	7	8.78	79
Disconnections by Request & Non-Pay	113	117.11	1,054
Reconnections by Request & Non-Pay	77	76.56	689
Service Transfers	109	98.33	885
High/Low Pressure	4	7.11	64
Water Quality	0	2.44	22
Other / Miscellaneous	85	94.67	852

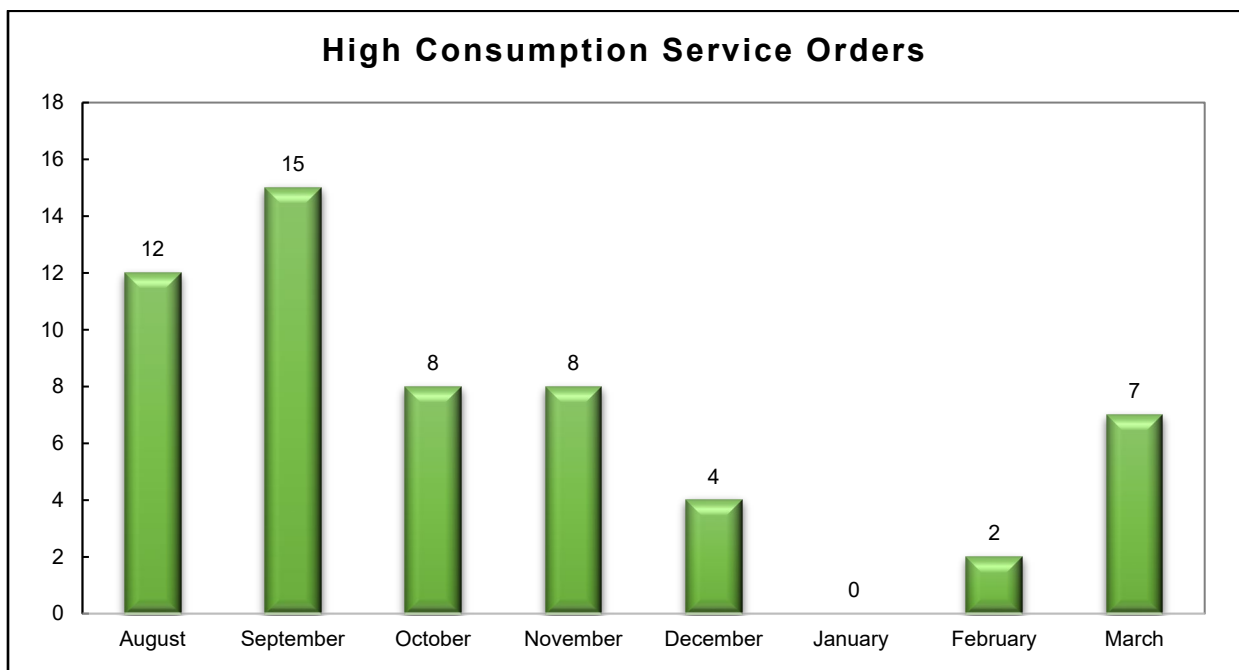
Customer Portal

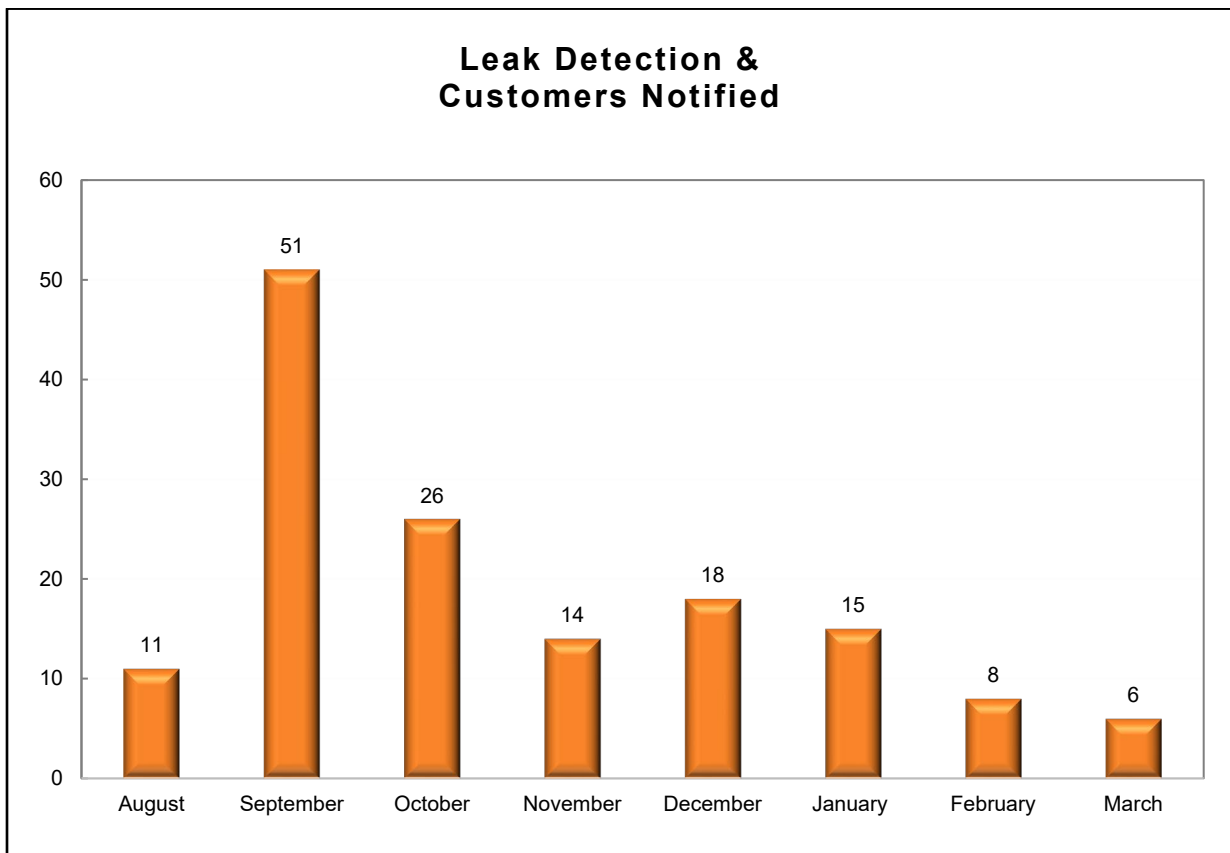
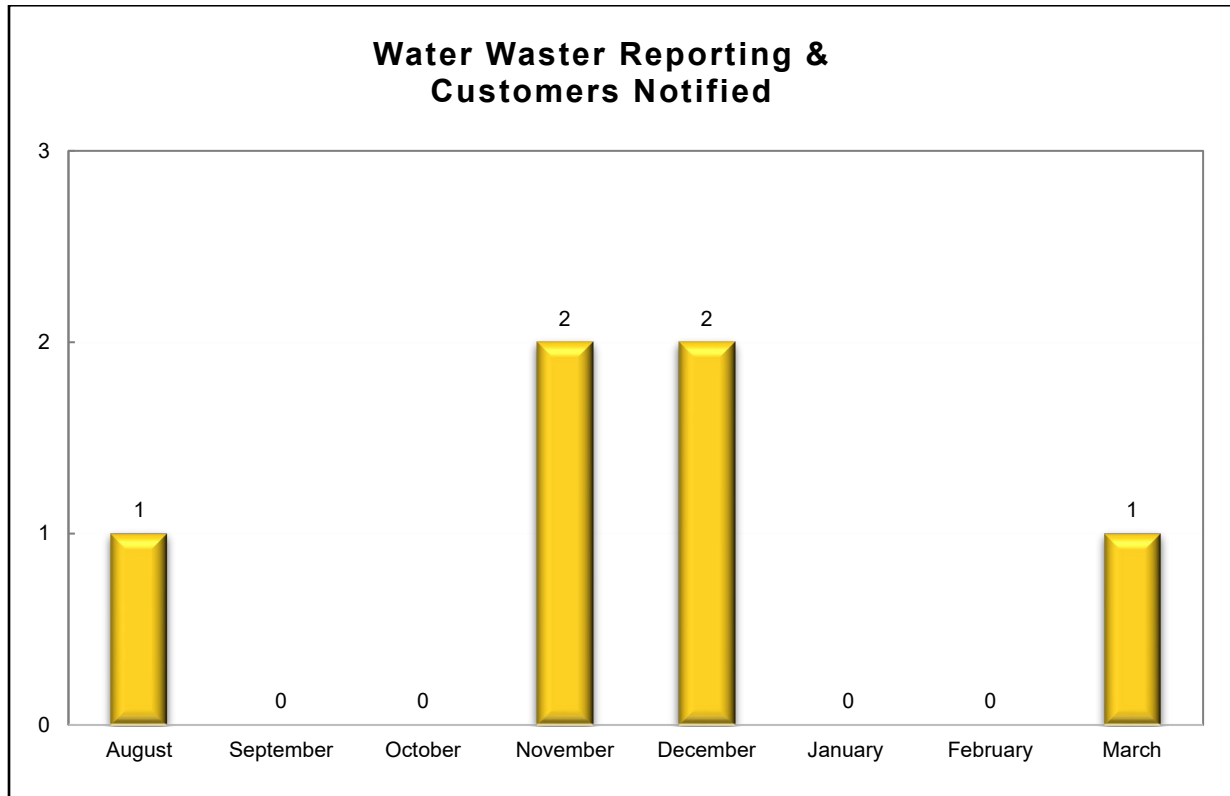
The District has implemented an AMI infrastructure and Neptune 360 portal. All customers are encouraged to sign up for the Customer Portal to access bills and leak alerts. Since launching the portal, customer adoption has reached 52%, or 7,321 customers registered so far.



Monitoring of Customer Accounts

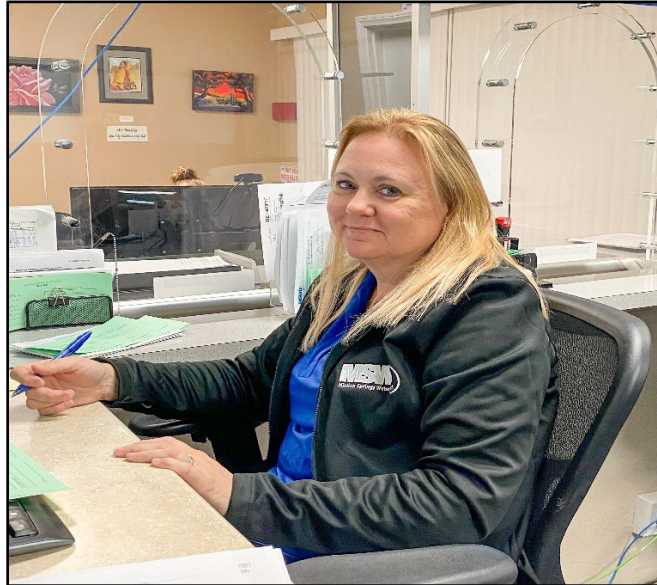
The District continues to leverage the new AMI infrastructure and Neptune 360 portal to investigate high consumption, identify water wasters, and detect leaks. The following charts represent the monitoring results for 13,957 customer accounts by the Customer Service staff.





Customer Experience Enhancement Program

The Customer Service Department continues the Customer Experience Enhancement Program. This program provides an Online Booking Calendar for in-person one-on-one account assistance and review, in addition to phone screening and on-the-spot feedback/coaching with a Customer Service representative.



The Customer Service team continues to host “Coffee Talk Wednesdays” providing mini-training and discussions. Weekly training topics include:

- What does Customer Service mean to You?
- Greeting Customers: the importance of and how to
- Diffusing an Interaction: what can we do to find a solution
- Tone of Your Voice: you can hear a smile through the phone
- Importance of customer inquiry follow-up
- Active Listening: verbal and non-verbal
- Customer Experience versus Customer Service
- Going the Extra Mile: inform, assist, and impress
- The Internal and External Customer
- Communication between departments
- Documentation of communications
- Customer Service PLACE Training
- Emotional Intelligence in Customer Service



Delinquency Service Disconnections

Staff continued to reach out to customers with delinquent accounts to provide information for assistance and repayment options to avoid disconnection. The table below summarizes the activities of Customer Service staff regarding delinquent accounts.

Fiscal Year	Auto-Dialer Calls to Customers	Door Hangers to Property	Customer Contact to Make Payment Plan	Service Disconnections
2023 – 2024 (Year to Date)	3,916	512	826	446
2022 – 2023	5,107	759	1,171	656
2021 – 2022 (3/24/2022 – 6/30/2022 COVID Moratorium Ended)	1,937	494	378	286
2020 – 2021 (COVID Moratorium)	0	0	0	0
2019 – 2020 (7/1/2019 – 3/9/2020 COVID Moratorium Started)	7,182	1,760	814	667

Customer Bill Pay Options

MSWD Customer Service continues to provide customers with multiple options for bill payment.

- Payment Portal on MSWD.org/Customer Connect.
- Customers can pay at 7-11 in Desert Hot Springs, Palm Springs, Cathedral City, and Yucca Valley; CVS or Walmart in Palm Springs; and Family Dollar in Yucca Valley. Customers must have their bills present.
- Customers can drop payments (check or money order) in the drop box or pay in the lobby.
- Customers can call in and pay through the IVR system, or with Customer Service Representative assistance.
- Pay Near Me is promoting inclusive payment options including: Cash App Pay (New), PayPal, Google Pay, Apple Pay, and the QR code on the back of the bill. Customers can pay directly from their smartphone.



Customer Bill Assistance Programs

The District continues to facilitate bill assistance programs for the benefit of its customers.

- The United Way Customer Bill Assistance Program continues to be utilized by those customers who need assistance for one billing period annually, paying \$100 per approved customer.
- Riverside County's Low Income Household Water Assistance Program (LIHWAP) Care Program provides customers with a one-time payment towards their water and/or sewer bill of up to \$5,000. The U.S. Department of Health and Human Services permitted the extension of the LIHWAP program through March 31, 2024. Please note that the program is now closed as of March 31, 2024. There is no further funding as of now, and the remaining payments from the March 2024 applications will be received in April 2024.



The table below summarizes the results of the customer bill assistance programs administered by the Customer Service staff.

Assistance Program	Customers Assisted in March 2024	Total Assistance in March 2024	Total Assistance in FY 2024
United Way of the Desert	2	\$200.00	\$6,100.00
LIHWAP / CAP Riverside	24	\$15,267.33	\$74,068.69
MSWD Payment Plans Last Month	Previous Month Remaining to be Billed	MSWD Current Customer Payment Plans	Current Balance Remaining to be Collected
164	\$59,489.60	171	\$67,090.24



Billing

During March 2024, Customer Service reviewed a total of 15,657 bills.

March 2024	Bill Count	Bill Amount
Regular Bills	10,860	\$660,541.18
Delinquent Bills	4,630	\$2,107,595.49
Closing Bills	167	\$2,146.64
Total	15,657	\$2,770,283.31

Refunds

There was a total of 27 customer account refunds totaling \$4,748.73 resulting from closed accounts for the month of March 2024.

March 2024	Refund Count	Refund Amount
Customer Refunds	19	\$1,076.45
Construction Meter Refunds	8	\$3,672.28
Total	27	\$4,748.73

Liens

Customer Service identified 12 accounts that were 90 days past due requiring Lien filing. Likewise, 14 Release of Liens were issued after securing payment for outstanding balances on past due accounts.



Finance & Accounting Department

The Finance and Accounting Department continues to work with its vendors to complete the yearly and necessary tasks to meet State and Federal reporting requirements and the strategic goals established by the MSWD Board of Directors. Below are project highlights and summaries for March 2024.

Audit

The auditors finalized the Fiscal Year 2023 Annual Comprehensive Financial Report. Staff is in the process of applying for the GFOA Certificate of Achievement for Excellence in Financial Reporting.

Staff also completed and filed the 2023 Special Districts' Financial Transactions Report with the State Controller's Office.

Payroll

Payroll staff completed the CalPERS earnings adjustment reports for employees receiving Certification pay for maintaining a Commercial Drivers License between September 2022 and February 2024.

Budget

Budget transfers for March 2024 totaled \$12,500:

BID	DESCRIPTION OF EXPENDITURE	G/L NUMBER	TRANSFER DATE	TRANSFER AMOUNT	TO BID	TRANSFER TO DESCRIPTION	TRANS TO GL NUMBER
585	OUTSIDE SERVICES	301-5640-56011-000	03-20-2024	2,500.00	599	LANDSCAPING/TREE TRIMMING	301-5640-56011-000
591	SLUDGE DISPOSAL	301-5640-56881-000	03-25-2024	5,000.00	578	MISC LABORATORY	301-5640-53005-000
591	SLUDGE DISPOSAL	301-5640-56881-000	03-25-2024	5,000.00	582	WWTP PERMITS	301-5640-53701-000

Current Work Priorities

The Accounting team continues the process of updating the Accounts Payable invoice approval using Laserfiche workflow.

Staff also began to draft policy and Laserfiche workflow for the Unclaimed Funds process.

Accounting continues to support other departments as needed:

- Engineering
 - Three reimbursable jobs were created to track all the expenses related to New Development projects, for:
 - Calle Del Diablo Residence Landscape plan check
 - Azure Palm Fire Hydrant relocation
 - Shopoff Logistic Center water, sewer, and lift-station
- Operations
 - Two new reimbursable jobs were created to track costs from:
 - Damage to 2-inch AV Service Line by contractor during conduit installation
 - Damage to fire hydrant by contractor at Silver Rock
- Human Resources
 - Accounting continues to work with Human Resources to update employee forms and workflow using Laserfiche Forms; including the Boot Reimbursement form, Direct Deposit Change form, Timesheet submittal form, and the Off Work Request form.

The Director of Finance continues to work with Raffelis on the Long-Range Financial Master Plan, providing additional backup on District cost of services.

Through CSDA the Director of Finance signed up for their mentorship program and was paired with the General Manager from Monte Vista Water District. This will give the Director of Finance a different perspective and insight of best practices in the industry.

The Director of Finance joined the GFOA's Uncertainty and Risk Advisory Group to collaborate with other government agencies through the entire US on issues and uncertainties affecting the District.

The Director of Finance signed up for and started the CSDA Certified Special District Manager that awards a certificate after completing an exam that covers various special district management, operations and governance.

Cash

Total cash receipts for the month of March 2024 amounted to \$1,307,879, primarily from water and sewer customer account payments.

Cash disbursements for the month of March 2024 amounted to \$4,337,140 with the largest payments going to:

Entity	Amount
Downing Construction Inc.	\$1,177,371.79
J.F. Shea Construction Inc.	\$1,110,857.20
Cummins Southern Plains LLC	\$349,957.80
Net Payroll	\$280,338.46
City National Bank	\$190,922.74
Legend Pump & Well Service Inc.	\$132,230.50
EFTPS – IRS Payroll Tax Remittance	\$115,312.46
ACWA-JPIA Health Benefits Authority	\$107,443.99
Southern California Edison Company	\$97,263.05
CalPERS	\$73,415.80

Financial Statement

A year-to-date summary of the District's financial position for Fiscal Year 2023-2024, in addition to a comparison to the previous fiscal year, can be found in Appendix A.

Capital Improvement Program

The District maintains a 5-year Capital Improvement Program that includes water and sewer infrastructure, facilities, equipment, and fleet. A year-to-date summary of the District's Capital Improvement Program for Fiscal Year 2023-2024 can be found in Appendix A.

Innovation & Technology Department

The Innovation and Technology (IT) Department continues to work with staff and vendors to achieve technological enhancement and meet innovation goals established by the MSWD Board of Directors. Below are project highlights and summaries for March 2024.

Department Updates

- IT completed the network link between the Wright Regional Wastewater Reclamation Facility (RWRF) and the Administration office. IT continues to configure the network equipment to provide a secure network for office and SCADA equipment.
- IT has completed the setup of the new computers for the Wright RWRF.
- IT is currently evaluating alternative email protection and phone systems to support District goals for security and efficiency.

Technology Improvements

- The new datacenter temperature and humidity monitoring system has been installed and configured.
- The new multifactor authentication system is in the early stages of roll-out and should be completed in April 2024.
- Cybersecurity improvements continue to be made to improve District security.
- Desktop computers and laptop upgrades continue as needed.

On-Going Cyber Security Training

IT continues the monthly anti-phishing training scenarios with staff and Board members. Staff have been diligent in reporting suspicious emails or contacting the IT Manager for review of suspicious emails before acting.

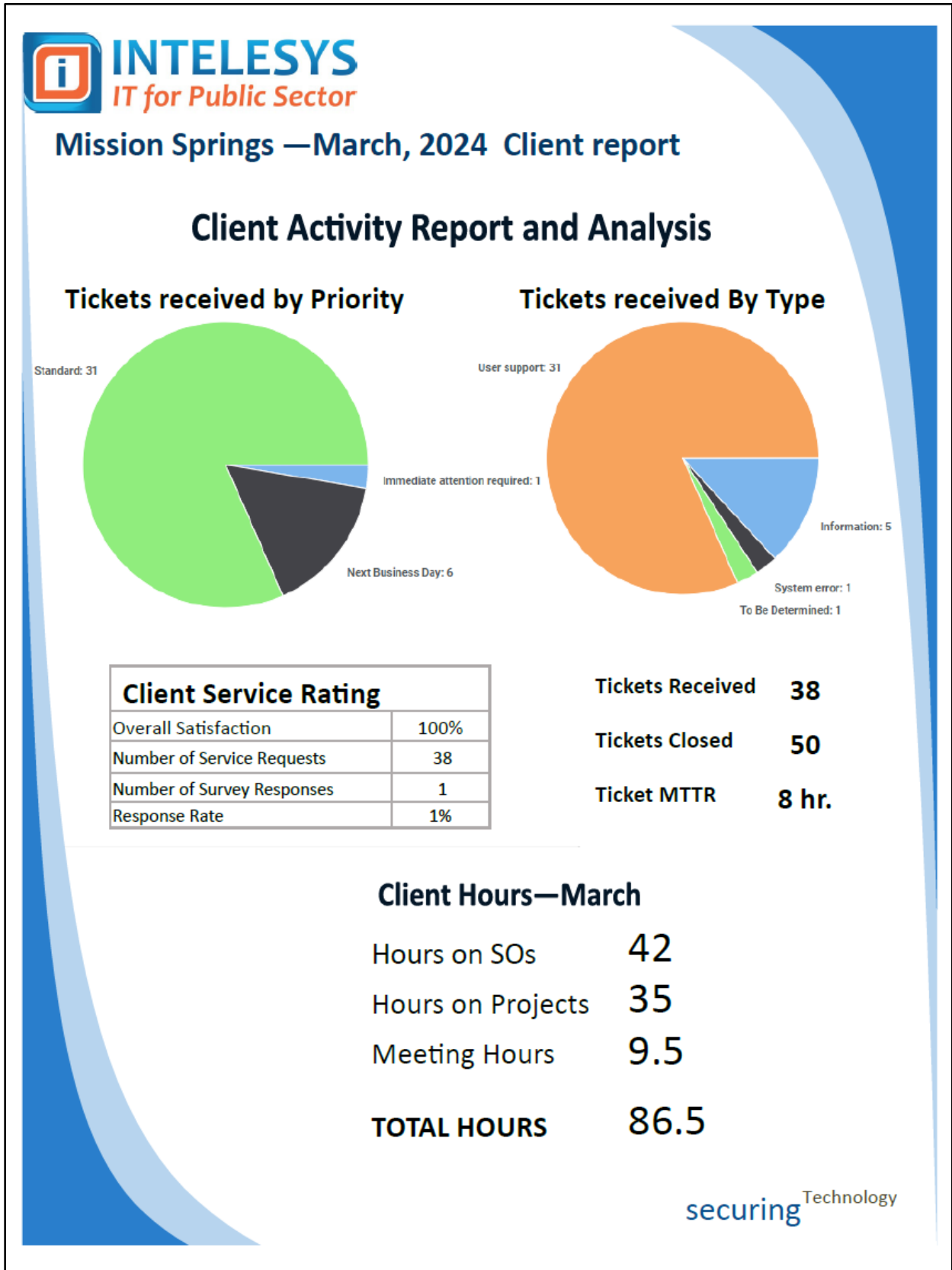
Cyber Security News Roundup

The IT Department tracks trends in cyber security to note new opportunities for security and new concerns to defend against. The news below is a brief selection intended for informational purposes and provides no insight to the District's cyber security controls.

- The White House sent a letter to all state governors warning of increasing cyber threats against water infrastructure. The letter provided information on cybersecurity resources and invited their "Environmental, Health and Homeland Security Secretaries to participate with us in a convening to discuss the improvements needed to safeguard water sector critical infrastructure against cyber threats.". ([EPA.gov](https://www.epa.gov))
- The UnitedHealth hack in February is resulting in an increase of class action lawsuits against the company for failing to protect customer data. The company has not disclosed what information was breached by hackers who claim UnitedHealth paid \$22 Million to regain access to its locked systems. ([Reuters](https://www.reuters.com))
- The US government's Cybersecurity and Infrastructure Security Agency (CISA) reported that they were victim to a zero day vulnerability in an Ivanti VPN product. The 2 systems affected were immediately taken offline. No further details were reported. ([TechRadar](https://www.techradar.com))

Intelesys IT Support

March 2024 completes the District's second month of IT support through Intelesys. Below is their report on March 2024 activities.





Mission Springs —March, 2024 Client report

March Client Meetings

Meeting Title	Topics	Time Allocated
Weekly Technology Review (During Onboarding)	<ul style="list-style-type: none"> Mail Protection Solution Mobile Device Management (MDM) solution Server refresh 	8 hours
Open and Pending Project Review	Review Open and Pending Projects	1 Hour
Phone System Review	<ul style="list-style-type: none"> Costs from Ring Central Product Demos 	30 minutes

Client Open Projects

Project Title	Purpose
DUO MFA deployment	Increase MSWD network security
Wright Wastewater Plant Network	Setup and configure network connectivity for new plan.

Client Pending Projects

Project Title	Purpose
Mail Protection	Increase inbound mail protection and visibility
Server Refresh	Ensure MSWD servers are within proper life cycle
Phone system Review	Secure best pricing and technology for MSWD phones

Client Closed Projects

Project Title	Purpose
Room Alert - server room alerting	Ensure proper monitoring of server room equipment for heat and humidity with alerting capability

Purchasing Department

Staff continues to source sanitization supplies to ensure wipes, hand sanitizer, and disinfectants are available to all District buildings and vehicles for the safety of the staff.

Price increases and supply chain issues continue to surface within our industry. Specifically, PVC pipe and fittings, ductile iron pipe and service brass fittings, restraints, hydrants, and valves, as well as many other products, are experiencing significant shortages that could lead to extended lead times. Along with these supply chain problems, pricing continues to escalate. These problems exist with both domestic and import materials. Staff will continue to monitor the situation and perform due diligence in getting all the material that is needed to maintain the water systems.

Total inventory purchases were \$41,407.20, and the total issued for use by field crews totaled \$40,092.53, for March 2024.



ENGINEERING & OPERATIONS

Engineering Department

Below is a list of Capital Projects and status updates for March 2024.

Well 42 Project

The contractor has advised that the remaining equipment procurement is on schedule for April 2024. Staff requested the contractor complete a downhole video and provide a recommendation of any necessary rehabilitation. Construction is on-schedule to resume in April 2024. Following Board approval in March 2024, MSWD staff began coordinating the contract amendments.

AD-18 – GQPP Sewer Project Areas “H” & “I”

Staff has presented the new alternative alignment for the sewer at the south end of Hildago Street with the private property owner. Staff plans to schedule a meeting to review the new alternative with the property owner in the coming weeks to discuss viability and easement requirements.

Well 22 Rehabilitation

Staff has completed evaluation of bids and will bring the lowest responsible and responsive bidder to the Board for award consideration along with a capital budget augmentation request in April 2024.

Water and Wastewater System Comprehensive Master Plan Updates

Staff and consultants continued progress on evaluating the future demands and system needs, as well as finalizing the master plans and capital improvement programs. Staff anticipates completing the plans and presenting them to the Board in the coming weeks.

AD-18 – GQPP Sewer Project Area “D3”

Staff has reviewed the consultant’s proposal to complete the necessary design updates to the existing documents. Staff will bring the design contract to the Board in April 2024 for approval.

AD-18 – GQPP Sewer Project Areas “A” & “G”

The Army Corps of Engineers design consultant, Genterra, has completed the additional potholing work. They are in the process of preparing the 100% design.

Backup Generators for Well Sites 27-32 and 37 Projects

Staff have the plans signed and the project is ready for bidding. Once the proposed future solar panel layout is finalized for the sites, staff will solicit bids through the Planet Bids website within the next two months and will evaluate the bids once they are received and will present the bid results to the Board of Directors in a future Board meeting.

Supplemental Environmental Project

Following Board approval in March 2024, staff filed the Notice of Completion with the County Recorder’s Office. Staff submitted the final report ahead of schedule with the Regional Water Quality Control Board.

Well 34 Rehabilitation

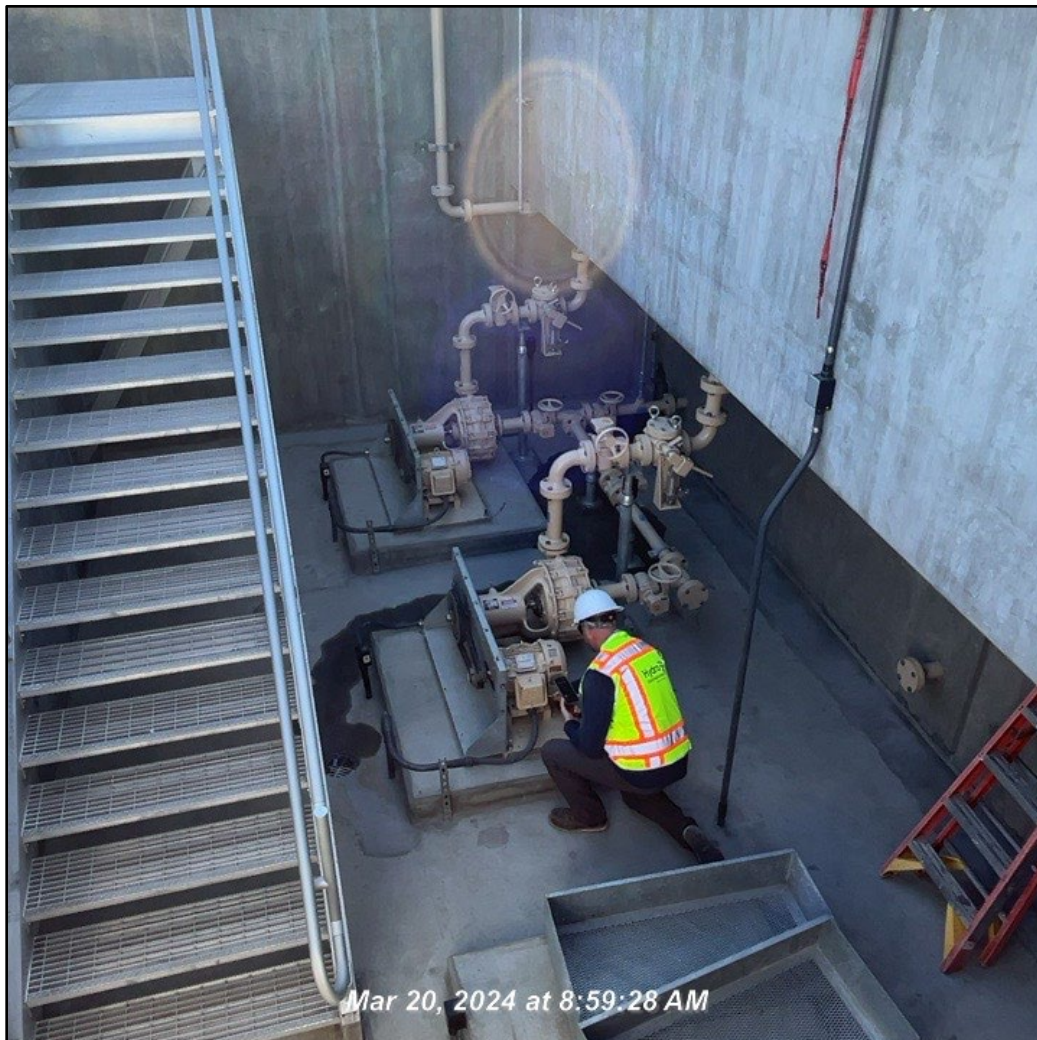
Construction was scheduled to be completed in March 2024; however, due to weather and material procurement delays, it will extend into May 2024. Through March 2024, the contractor, Legend, has provided, and staff has approved, the well pump equipment and rehabilitation of the discharge head and motor. All equipment is on schedule for arrival in late April 2024 for completion of the project.

Regional Water Reclamation Facility

The Project Team continued processing submittals, responding to RFIs, and processing change orders and payment requests submitted by the contractor, JF Shea Construction.

The contractor continued construction on the Regional Water Reclamation Facility (RWRF). Through the month of March 2024, JF Shea Construction:

- Continued outfitting the operations building, equipping the Headworks area and SBR and AST tanks, wiring and electrical throughout the facility, site finish work, and excavation and grading of the infiltration pond area.
- Began startup, testing, troubleshooting, and training on the various individual components and systems within the plant in preparation of plant-wide startup and testing.





Staff obtained signatures on the grant deed for the permanent easements along 20th Avenue to construct the third required monitoring well. All documents have been submitted to the County for recording.

Staff prepared an access agreement with the owner to access a private well near Palm Drive and Interstate 10 required for annual sampling and reporting to the RWQCB. Staff expects to complete the agreement in April 2024.

The Project Team continues to coordinate with the State Water Board on the SRF/Grant funding agreement and reimbursement requests.

- Reimbursement Request No. 4 has been submitted to the State for processing.
- Staff has not received an update on the Conveyance Line FBA processing by the State.

RWRF Conveyance Line

The Project Team continued processing submittals, responding to RFIs, and processing change orders and payment requests submitted by the contractor, Downing Construction, Inc.

The contractor continued construction of the gravity sewer along Little Morongo Road between 18th Avenue and Dillon Road.

Staff continues to coordinate with SCE to resolve the easement issue along Little Morongo Road south of 18th Avenue.

Area M2 Sewer Collection System (AD-15)

The design consultant, AECOM, addressed staff's final comments and prepared the final bid package for both the sewer and water improvements. Staff plans to bid the project in April 2024.

RWRF Roadway Design (19th Avenue, Little Morongo Road, and 20th Avenue)

The 60% design is in with the City of Desert Hot Springs for plan check.

Annual Contract Renewals

On March 14, 2023, staff issued a Request for Qualifications/Proposal (RFQ/RFP) for On-Call Professional General Engineering Services. From this RFQ/RFP, there were eight (8) contracts awarded, all with the option to extend the contract for four (4) additional one (1) year terms not to exceed five (5) years. The proposals received were evaluated by four MSWD staff members and were ranked on a 100-point scale. Contracting with the consultants listed below allows staff to utilize their professional engineering services, as required, on a time and materials basis. This practice helps to accomplish the technical engineering services and support the District needs to continue to provide. Outside consultants also bring with them a wide range of skilled services they have available in-house, which if duplicated at the District would be a substantial cost.

- Landmark Consultants, Inc. (\$10,000)
- EnviroLogic Resources, Inc. (\$50,000)
- Tom Dodson & Associates (\$50,000)
- Provost & Pritchard Consulting Group (\$50,000)
- Corona Environmental Consulting Group, LLC (\$50,000)
- MSA Consulting, Inc. (\$75,000)
- Ray Lopez Associates (\$50,000)
- MWH Constructors, Inc. (\$50,000)



Operations & Maintenance

Construction & Maintenance

Water Line Locations

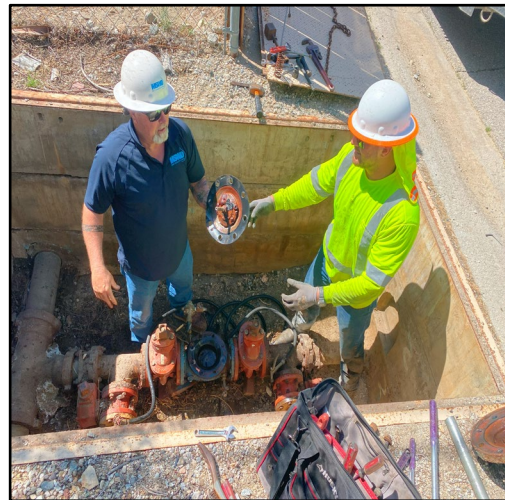
Staff completed approximately 436 water line location requests using iPads and the GeoViewer Mobile app to streamline and manage line locations.



Water System Repairs/Replacement

Staff continued to repair and replace components of the water distribution system keeping it in optimum working order and properly functioning without any interruption. Below is a summary of the repairs and replacements completed in March 2024.

- Three water service lines were replaced with copper.
- 13 service line leaks were repaired.
- Six mainline leaks were repaired.
- Three fire hydrants were replaced.



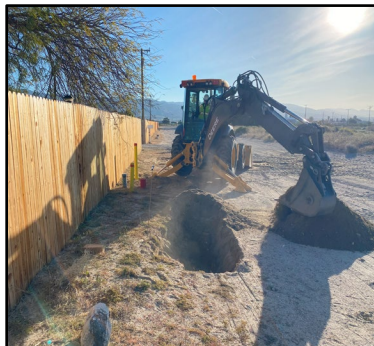
Water System Maintenance

Staff continued to implement preventative maintenance and inspection program keeping the water distribution system in optimum working order and properly functioning without any interruption. Below is a summary of the maintenance completed in March 2024.

- 85 ground valves were exercised.
- 33 fire hydrants were flushed, maintained, and painted.
- 76 air-release valves were inspected and/or rebuilt. Annual air-release valve maintenance has been completed.
- 68 blow-offs were flushed.



- Staff potholed several locations along Mission Creek at the water main crossings preparing for the replacement of water mains associated with Tropical Storm Hilary.



CMMS Workorder Program

A total of 29 work orders were processed in March 2024 using the CMMS program.

New Water Meter Service Installation

Staff installed one new water service line in March 2024.

Fire Flow Testing

Staff continued performing field fire flow tests for the Engineering Department. Seven fire flow tests were conducted in March 2024.

Fleet & Facility Maintenance

Janitorial Services

The janitorial contractor, Executive Facilities Services Inc., continues to clean and disinfect all District buildings. Routine disinfection is performed four times per week Tuesday through Friday. Additionally, routine janitorial services are provided twice per week on Wednesdays and Fridays.

Building Maintenance

Staff completed the following building maintenance during the month of March 2024:

- Repaired four irrigation leaks at Well 27/31.
- Added extra padding to the shop lift for door protection.
- Replaced light bulbs in the coffee room at the Annex Building.
- Realigned break room door due to issues latching.
- Installed pole and grounding wire to the Admin Building for second transmitter to the Wright RWRF.
- Installed motion light/fan switch in the store's restroom.
- Repaired hole in the east Administration Building hallway ceiling.
- Disposed of old paint from pallet.
- Completed and painted eight hydrant locks.
- Repaired four leaks in irrigation at Two Bunch Reservoir.
- Repaired leak on bubbler at Quail Reservoir.
- Reinstalled rain gutter and repositioned can light on southeast building corner at the Administration Building.
- Removed old water heater from shop restroom due to leak.
- Applied mastic to all AC ducting at Annex Building and resealed at main unit.
- Work began on the chlorine transport project for the Production Department.
- Welded restraints to header on Well 22.

Standby Generator Monthly Maintenance Program

Our team conducts monthly testing to ensure that all generators are in good working order and ready for use when needed. There were no issues with the generators this month.

Fleet Maintenance/Repairs

- Unit 409 had windshield wipers replaced, oil service completed, and had all four tires replaced at Desert Tire.
- Unit 443 had MSWD decals and numbering applied, harnesses placed, and license plates installed.
- Unit 385 had the tank bracket rewelded.
- Unit 412 had a hole plugged in the left front tire.
- Unit 401 had the starter and battery replaced.
- Unit 442 had the trailer plug replaced due to misalignment.
- Units 441 and 440 had the jack handles moved inboard and resting pads installed on storage lids.
- Unit 437 had a hole plugged in the left front tire.
- Unit 405 had both taillamp bulbs replaced.
- Unit 398 had the 10A fuse for trailer right rear lighting replaced.
- Unit 419 had the battery replaced.
- Unit 429 had the strobe light switch replaced due to damage.

Wastewater Collections

Sanitary Sewer Overflows (SSOs)

There were no Sanitary Sewer Overflows (SSOs) in the collection system during March 2024.

Dos Palmas Lift Station

Operators conducted daily site visits to ensure proper pump operation, SCADA system functionality, and site security. Staff completed a confined space entry to replace three of the four floats for the lift station.



Sewer Line Locations

Staff completed 435 sewer line location requests using iPads and the GeoViewer mobile application to streamline and manage line locations.

Sewer Line/Collections Maintenance

- Staff completed two CCTV inspections, totaling 730 feet in March 2024.
- Zero miles of sewer mainline were cleaned in March 2024.

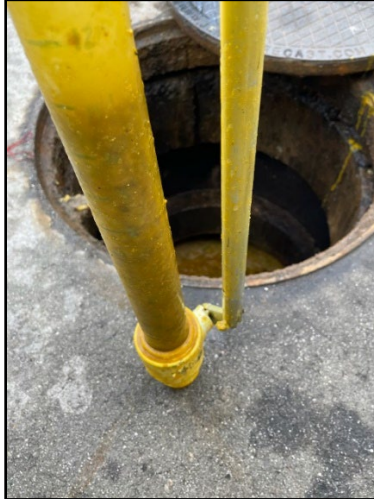
Cultivation Facility Inspections

Staff went out to inspect Snider's facility at 13310 Little Morongo. Building 1 at the facility re-installed their pump in the interceptor and have been pumping their waste discharge into the retention pond located on the rear of the facility. Staff sampled from all four lift stations at this facility which had an unusual red coloring to them. Staff also collected samples from 65283 Two Bunch Palms Trail, 65321 Two Bunch Palms Trail, and 66100 Cabot Road.



Fat, Oil, and Grease Inspections

Staff completed the annual Fat, Oil, and Grease (FOG) inspections. 11 of the 46 facilities had greater than 25% of solids within their interceptors. These 11 businesses were given a notice of violation that stated they have 10 business days to have their interceptor pumped. All 11 facilities have pumped their interceptors and are back in compliance.

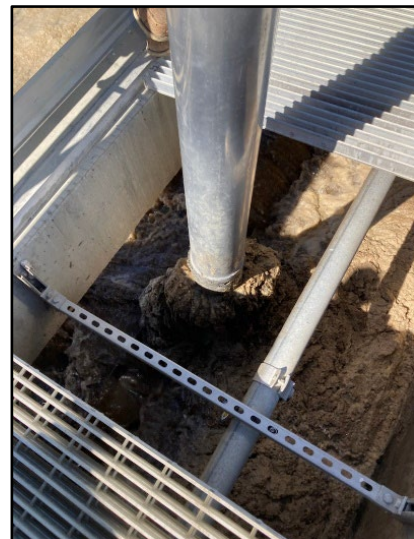


Wastewater Treatment

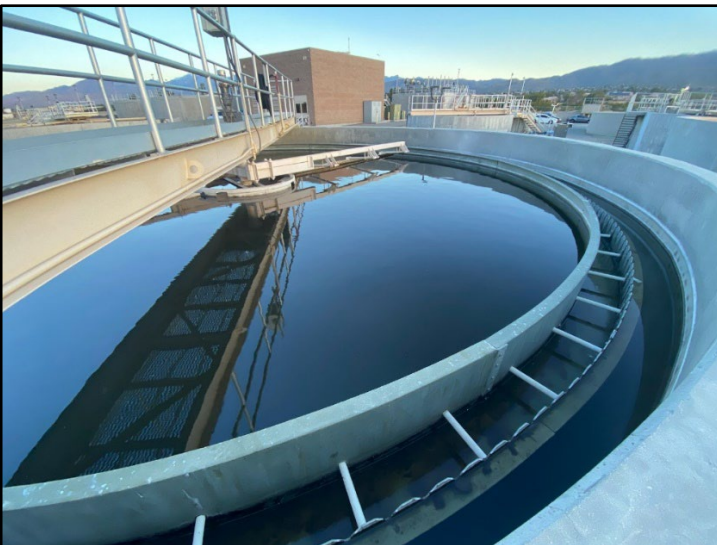
Plant Maintenance

Staff spent 520.5-man hours performing routine plant maintenance, equipment maintenance, and plant operations at the Horton and Desert Crest Wastewater Treatment Plants (WWTPs). Also, during this timeframe staff spent 145.2-man hours operating the sludge belt filter press, including filling and removing 17 trailers of sludge from the Horton and Desert Crest WWTPs.

Staff continued routine maintenance removing rags from the headworks auger, aeration tanks, RAS pumps, grit pumps, etc.



Clarifier 3 had the motor and gearbox fail. Staff had to drain the tank and redirect flow for this clarifier. A new gearbox and motor have been installed and Clarifier 3 is now back in normal operation.



Sampling and Laboratory

Staff collected 38 samples and spent 68-man hours performing laboratory duties and analysis for process control and regulatory reporting purposes. Staff performed the annual performance test for our laboratory accreditation. Staff have received 3 out of 4 fields of analysis that we are accredited for.

Test	Reported Value	Assigned Value	Acceptance Range	Pass/Fail
pH	6.72 mg/L	6.8 mg/L	6.6 – 7.0 mg/L	Pass
TDS	447 mg/L	458 mg/L	412 – 504 mg/L	Pass
TSS	65 mg/L	68.1 mg/L	54.7 – 76.5 mg/L	Pass
DO	6.16 mg/L	-	-	Awaiting Results

Both plants are producing an effluent that meets the District’s permit discharge requirement.

Pond Maintenance

Ponds 1, 2, 3, 7, and 8 were cleaned and rehabilitated during March 2024. Pond 1 was cleaned and rehabilitated twice this month.



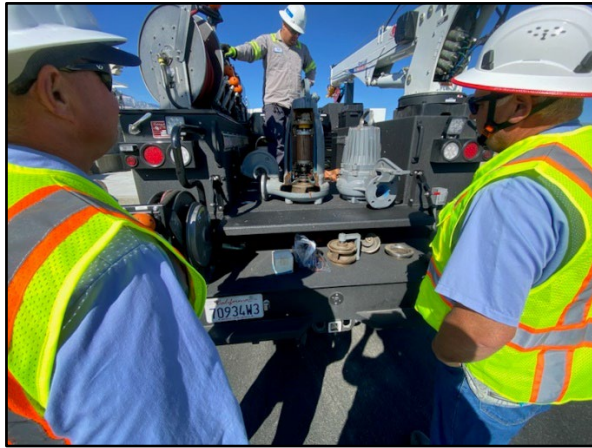
Weekly Wastewater Training

The training courses aim to provide all operators with consistent knowledge and a better understanding of processes, including operating equipment more proficiently. This training helps keep operators safe while completing maintenance. A summary of this month’s training includes:

- Uninterrupted Power Supply
- Confined Space Entry
- Horton Waste Discharge Requirements (WDR)
- Desert Crest WDR

Nancy Wright RWRf Startup Training

Staff has started training on various equipment throughout the Nancy Wright RWRf.



Wastewater Report

Through continued development in the Desert Hot Springs area, and at the request of new consumers, sanitary services are always being added to the collection system. Below is a summary of new sanitary service connections by month.

New Sanitary Service Connections to Collection System					
Fiscal Year	2023/24	2022/23	2021/22	2020/21	2019/20
July	4	4	18	8	7
August	12	26	20	4	1
September	17	20	20	5	2
October	3	13	36	9	4
November	7	8	29	50	10
December	21	8	12	9	3
January	2	35	14	21	7
February	1	4	7	23	5
March	1	24	17	48	1
April		16	7	18	3
May		9	16	17	11
June		4	2	21	7
Total	68	171	198	233	61

Additional sanitary service connection information is provided in Appendix B.

The following table shows the average daily flow and peak daily flow for the Horton and Desert Crest WWTPs.

Wastewater Flow (MGD)				
Fiscal Year 2023/24	Horton WWTP		Desert Crest WWTP	
	Average Daily Flow	Peak 24 Hour Flow	Average Daily Flow	Peak 24 Hour Flow
July	1.922043	2.149212	0.050983	0.071200
August	1.929369	2.592078	0.047453	0.067540
September	2.037218	2.182773	0.046081	0.055570
October	2.050049	2.173503	0.040804	0.051000
November	2.065661	2.265582	0.046158	0.059550
December	2.037725	2.208722	0.045566	0.057730
January	2.014687	2.152567	0.045226	0.049620
February	1.999080	2.184408	0.047016	0.053920
March	2.075331	2.301861	0.047050	0.054740
April				
May				
June				

Additional wastewater flow information is provided in Appendix B.

Water Production

Water Pumped/Produced

During the month of March 2024, the District's three public water systems produced the following quantity of water:

- MSWD (CA3310008) – 543.06 Acre Feet (176.96 MG)
- Palm Springs Crest (CA3310081) – 13.56 Acre Feet (4.4 MG)
- West Palm Springs Village (CA3310078) – 3.63 Acre Feet (1.18 MG)

Water Sampling/Testing

- Bacteriological Sampling – Staff collected 50 routine samples in the MSWD system, four routine samples in the ID-E area (WPSV and PSC systems), and four well samples in ID-E.
- Staff also collected 16 general physical samples in MSWD and two general physical samples in ID-E.
- Well 26A Uranium Treatment (IXP) Sampling – The monthly uranium sampling was completed on March 4, 2024.
- Monthly Reporting – The District's Monthly Coliform Monitoring Report for March 2024 for all three water systems was sent to the SWRCB on April 2, 2024.

Chlorination System Updates

- Chlorination Pumps – Staff conducted routine maintenance and inspections on all chlorine pumps and related equipment at well sites. Staff made necessary adjustments, repairing and/or rebuilding to ensure proper operation. Most chlorinator pumps continue to function properly, with only typical preventative maintenance required (i.e., repair of cracked chlorination suction/feed tubing).
- Chlorinator Pump Cleaning – Staff began cleaning all chlorinators two times per month with a vinegar-based solution to reduce chlorinator issues. All the chlorine pumps were cleaned during the month of March 2024.
- Sodium Hypochlorite (Chlorine) Usage – During the month of March 2024, a total of 1,189 gallons of chlorine (12.5% solution strength) was used to disinfect the distribution system and our production facilities. (Reflects usage in the MSWD and ID-E water systems.)
- Chlorine Residuals at Production Well Sites – In March 2024, the Production staff checked and documented the chlorine residuals at all wells in use 208 times. The average chlorine residual of these readings was 0.95 ppm. (This data reflects the MSWD and ID-E water systems.)
- Distribution System Chlorine Residuals – During the month of March 2024, the Production staff checked and documented the chlorine residuals throughout the distribution system a total of 73 times. The average chlorine residual of these readings is 0.83 ppm. (This data reflects the MSWD and ID-E water systems.)

Well Soundings

Staff continued to sound the groundwater levels for 13 production wells and nine monitoring wells.

Production Facility Updates

Staff oversees all water production sites, making necessary adjustments. They conduct monthly overflow maintenance as needed by climbing reservoirs. Staff also inspect reservoir roofs using a drone.

- Well 22 Rehabilitation – During the month of March 2024, staff worked hard to bring this well on-line. Staff, working with our contractor, performed multiple disinfections, flushings, and bacT samplings to eventually receive two passing BacT tests. The State Health Department gave us the clearance to run this well. Additionally, staff collected all of the water samples for the constituents (Title 22) that were still outstanding. This well is now operational.
- Gateway Booster Station Electrical Issue – Staff was called out due to low pressure reported at the Gateway booster station via SCADA on March 2, 2024. Staff found voltage imbalances which caused the pumps to run at reduced speeds. Our portable generator was deployed to the site and was used for a little over 24 hours until SCE (Southern California Edison) fixed their issue.
- Gateway Fire Pump Monthly Testing – Staff performed the monthly fire pump testing on March 13, 2024. All systems functioned properly. Water loss data was captured and entered onto our water loss tracking worksheet.
- MSWD Airport Well – The Water Production staff installed “Private Property” signs around the perimeter of the Airport Well property on March 6, 2024. Staff noticed the transients have moved off-site since the signs were installed.

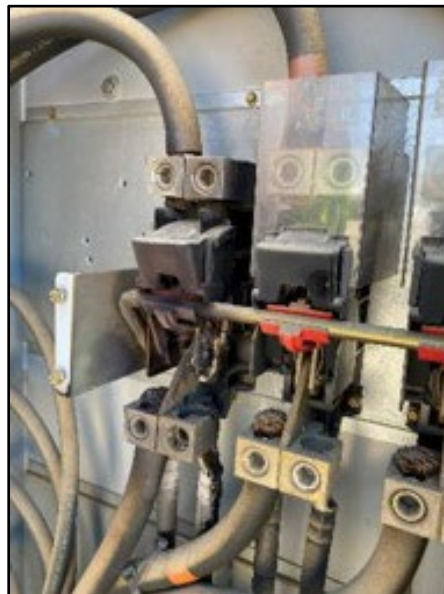


- Well 29 Chlorine Analyzer Servicing – Staff replaced the DPD and cleaned the sample cell on March 27, 2024, at Well 29.

- Well 24 Update – Well 24 is still off-line and the pump is currently out of the well. Pacific Surveys completed an EMDS (aka...EMT 24) Well Casing Study at Well 24 on March 7, 2024. This report revealed that the casing is as thin as 1/2 mm thick in some places. As previously reported, it is known that this casing has some existing holes. Staff, along with consulting our on-call Hydrogeologist, are reviewing our options to determine what our “next-steps” should be for this well. The 1400 Zone is currently being supplied by Terrace Boosters 5 & 6 via a float between High Desert View and Annandale reservoirs.



- Well 31 Generator Transfer Switch – The generator transfer switch at Well 31 failed on March 8, 2024, causing the well to go offline. Our staff worked with McDonald electric to create a temporary solution to bring this well back on-line. Staff also had McDonald Electric order replacement parts for the damaged transfer switch. The final repair was made on March 29, 2024.



- Well 31 Noise – Staff noticed that the abnormal noise from the Well 31 pump is becoming increasingly worse. We have requested quotes from our three On-Call Well/Pump contractors to have this pump equipment pulled and inspected. While we have the pump out, we plan to perform a downhole video inspection and an EMDS (Well Casing Study) on this well. Further updates will follow.
- Well 35 Downhole Video Inspection – The Water Production Department, along with assistance from Construction & Maintenance, worked to bring water to Well 35 for the purpose of improving water clarity for downhole video inspection. This took place on March 12, 2024.
- Well 37 Power Outage On March 14, 2024, Well 37 experienced a power failure that required the use of our portable generator. Staff made the generator connections and brought this well back on-line.



- Well 33 Chlorination System Upgrade Project – Staff are working diligently to complete the Well 33 chlorine upgrades. Throughout March 2024, staff have completed the installation of the underground conduits for electrical and process water supply. Additionally, they have mounted the new chlorine analyzer. We anticipate completion of this project by the end of April 2024.



Water Report

Through continued development in the Desert Hot Springs area and at the request of new customers, water services are always being added. Below is a summary of new water services added each month.

New Service Connections to the Water System					
Fiscal Year	2023/24	2022/23	2021/22	2020/21	2019/20
July	5	6	18	7	4
August	14	28	19	6	10
September	19	22	23	18	2
October	4	16	33	13	3
November	9	10	27	10	16
December	5	9	9	2	17
January	5	26	14	15	6
February	3	14	8	13	8
March	6	29	19	16	2
April		24	6	11	1
May		16	19	15	12
June		5	1	24	11
Total	70	205	196	150	92

Additional water service connection information is provided in Appendix B.

As expected, the new water services increase the amount of water needed to be pumped; however, the weather and water conservation continue to be the primary factor in MSWD water production. The following table summarizes the MSWD water production by month.

Monthly Water Production (AF)							
	FY 2023/24	Variance from Prior Year		FY 2022/23	FY 2021/22	FY 2020/21	FY 2019/20
		AF	%				
July	789.99	38.20	5.08	751.79	796.57	857.77	853.23
August	737.74	-112.45	-13.23	850.19	839.93	885.31	795.18
September	675.06	-40.97	-5.72	716.03	738.65	784.80	757.08
October	709.23	17.25	2.49	691.98	665.18	755.84	709.39
November	629.05	29.66	4.95	599.39	679.85	690.13	619.87
December	529.99	-24.28	-4.38	554.27	565.48	588.32	537.23
January	556.57	26.18	4.94	530.39	580.28	537.96	553.20
February	458.69	-31.72	-6.47	490.41	527.34	495.61	520.85
March	560.24	59.87	11.97	500.37	601.44	625.80	557.73
April				552.34	624.07	649.34	573.02
May				726.25	745.36	723.62	698.99
June				682.09	730.02	761.63	806.02
Total	5,646.56	-38.26	-0.67	7,645.50	8,094.17	8,356.13	7,981.79

Additional water production information is provided in Appendix B.

Water Resources

Below is a list of water resources related activities for March 2024:

Integrated Regional Water Management Planning

The Coachella Valley Regional Water Management Group (CVRWVG) met to discuss on-going grant funded projects and upcoming grant opportunities. The CVRWVG implements the Integrated Regional Water Management (IRWM) Plan for the Coachella Valley IRWM Region.

The CVRWVG also discussed the Urban Water Use Efficiency and Conservation Regulations.

- State Water Board issued new regulations that delayed and extend ramp down of outdoor standards, extended allowance for 20% additional Irrigable Not Irrigated Land, delayed compliance with target objectives until 2027, and made compliance pathways more accessible.
- 2040 Compliance numbers have been adjusted slightly, with MSWD reduced to 32% reduction.

Mission Creek Subbasin Sustainable Groundwater Management Act Compliance

The consultant, WSP, completed the final SGMA Annual Report for Water Year 2022-23 and submitted to the California Department of Water Resources (DWR).

The 2022 Alternative Plan Update for the Mission Creek Subbasin is still with DWR for review, however, DWR doesn't anticipate completing reviews of alternative plans until sometime in 2024.

San Geronio Pass Subbasin Sustainable Groundwater Management Act Compliance

Staff completed review and comment on the draft SGMA Annual Report for Water Year 2022-23. The consultant, Provost & Pritchard is preparing the final report to be submitted to DWR by April 1, 2024.

Indio Subbasin Sustainable Groundwater Management Act Compliance

The 2022 Alternative Plan Update for the Indio Subbasin is still with the DWR for review, however, DWR doesn't anticipate completing reviews of alternative plans until sometime in 2024.

Salt and Nutrient Management Planning

Staff attended the monthly steering committee meeting to review the Task 2 Technical Memorandum (TM) Characterize Groundwater Quality and Task 3 TM – Delineate Draft Management Zones and Metrics to Characterize Beneficial Use Protection that is in progress. Staff anticipates receiving the draft Task 2 TM in April 2024 from the consultant, West Yost, for review by both the steering committee and technical advisory committee.

PUBLIC AFFAIRS

Past & Upcoming Sponsorships / Events

Desert Hot Springs Rotary Presentation: March 7, 2024

MSWD proudly presented at the Desert Hot Springs Noon Rotary meeting to celebrate Water and Sanitation Month. Staff provided updates on our Strategic Plan, the New Nancy Wright Regional Water Reclamation Facility, and Regulation VI changes.



Desert Hot Springs Little League Opening Ceremonies: March 9, 2024, 10:00am



MSWD is again proud to support the Desert Hot Springs Little League as they gear up for another successful season. Serving youth in the Desert Hot Springs community, organizers strive to support one another and make sure EVERY child in our community feels welcome and supported. We look forward to a successful 2024 season.

Desert Hot Springs Women's Club Fashion Show Fundraiser: March 10, 2024

MSWD was a proud sponsor of the Desert Hot Springs Women's Club Fashion Show and luncheon. This year's Mardi Gras-themed event will focus on men's and women's fashions. Proceeds will provide scholarships for local Desert Hot Springs High School students.



Desert Horticulture Society Tour: March 16, 2024

Back from hiatus, MSWD was once again a proud sponsor of the Desert Horticulture Tour. With the mission of showing residents real-life examples of what they can do in their gardens using low-water use plants, the tour featured five gardens re-imagined for today's desert environment. Ticket proceeds go towards the group's scholarship program, which supports local students pursuing degrees in landscape architecture, design, or similar fields.

Career Day, Julius Corsini Elementary School: March 22, 2024

MSWD staff enjoyed sharing the world of water with elementary students at Julius Corsini Elementary School. They covered the various career opportunities and education requirements and engaged students in hands-on activities.



MSWD DC Meetings: March 19-20, 2024

MSWD staff and board members met with representatives from the DC U.S. Army Corps of Engineers offices and representatives from Congressman Ruiz and Senators Butler and Padilla's offices. The meetings focused on the District's successful Groundwater Quality Protection Project. FY 2025 requests are currently being gathered, and these meetings provide legislators and their staff with important information.

Riverside County State of the District: March 18, 2024

MSWD attended Supervisor V. Manuel Perez's first-ever State of the Fourth District event, bringing county staff, community partners, and guest speakers together to address five key areas: health and wellness, housing and homelessness, community services and improvements, infrastructure, and economic development.



MSWD Water Talks: March 27, 2024

During our March 2024 Water Talks meeting, Sites Reservoir Manager Jerry Brown, P.E. delighted audiences with an overview of the project, stressing the importance of it as part of the state's response to climate change.

32 Annual Senior Inspiration Awards: March 28, 2024

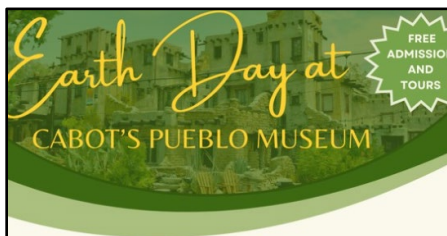
MSWD staff supported Desert Hot Springs resident Linda Crowson, who was honored during the Senior Inspiration Awards. Every year, the County of Riverside and the Coachella Valley's nine cities honor senior citizens who inspire others through volunteerism and active community engagement. This annual event honors these unsung heroes' ongoing contributions and dedication to our communities.

**ACWA 2024 Legislative Symposium: April 10, 2024**

MSWD's management team and board members will attend ACWA's Legislative Symposium. The annual event engages water district directors, general managers, attorneys, and staff across California with up-to-date information on critical water policy issues.

Women's Club Spring BBQ Fundraiser: April 13, 2024, 12:00-2:00pm

As part of our commitment to community engagement and support, MSWD will proudly sponsor the Desert Hot Springs Women's Club Annual Spring BBQ Fundraiser. This event promises a delightful afternoon of camaraderie, delicious food, and meaningful contributions. The proceeds from this event will fund scholarships for Desert Hot Springs students, positively impacting our local community.

**Earth Day Celebration with Cabot's Museum and Desert Hot Springs High School Real Academy: April 20, 2024, 10:00am-3:00pm**

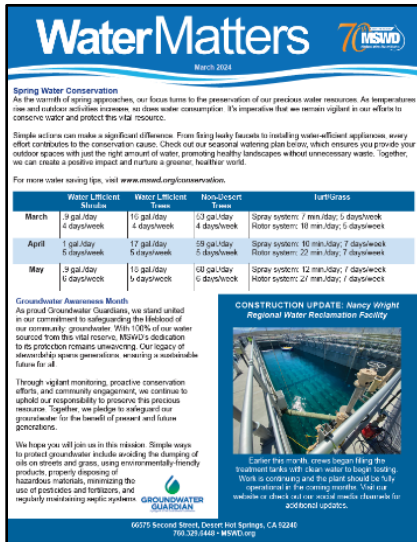
As part of our school outreach and groundwater Guardian Program, MSWD, Cabot's Museum, and the Desert Hot Springs High School Real Academy are joining together to unveil a new student-created 3D model of the watershed. A special unveiling ceremony will be held at 10:30 a.m.

If any other events occur throughout the month, they will be communicated either from the Public Affairs team or Dori Petee.

Public & Media Outreach

Announcement of Strategic Plan and Staff Changes

MSWD's recent news release announcing the adoption of the 2024 Strategic Plan received media pick-up in several online publications and social media channels, including ACWA, CEO News, and El Infomador.



Customer Newsletter

Our March 2024 Water Matters newsletter featured information about Spring planting season, Groundwater Awareness Month, and a construction update on the Nancy Wright Regional Water Reclamation Facility.

A copy of the newsletter is included in Appendix D.

Legislative Update

Federal: Congress Completes Fiscal Year 2024 Appropriations

This month, at nearly the halfway mark of the new fiscal year, Congress finally finished its work on the Fiscal Year 2024 appropriations bills and passed two minibus packages. The first package (HR 4366), comprising six bills totaling around \$459 billion in discretionary spending, was signed into law on March 9, 2024. Two weeks later, the second package (HR 2882), encompassing the remaining six bills and totaling approximately \$1.2 trillion in discretionary spending, was signed into law on March 23, 2024. The FY24 appropriations bills also contained funding for community project requests, including the following project for the District:

- \$2.7 million-Groundwater Protection Project (Sens. Feinstein and Padilla)

With all 12 spending bills now enacted, the federal government's funding is secured through FY 2024, which ends on September 30, 2024. Congress has now shifted its focus to the funding for FY 2025, with Members currently accepting requests for programmatic and community project funding.

A complete federal update is located in Appendix C.

California: MSWD Bill Tracking Sheet

In addition to serving on Federal and State industry committees, Public Affairs staff maintains a legislative bill tracking sheet to monitor the progress of proposed laws. The sheet includes critical information such as bill numbers, sponsors, status updates, and relevant dates. It also includes references to comment letters or positions taken by the District. A copy of our current sheet is included in Appendix D.

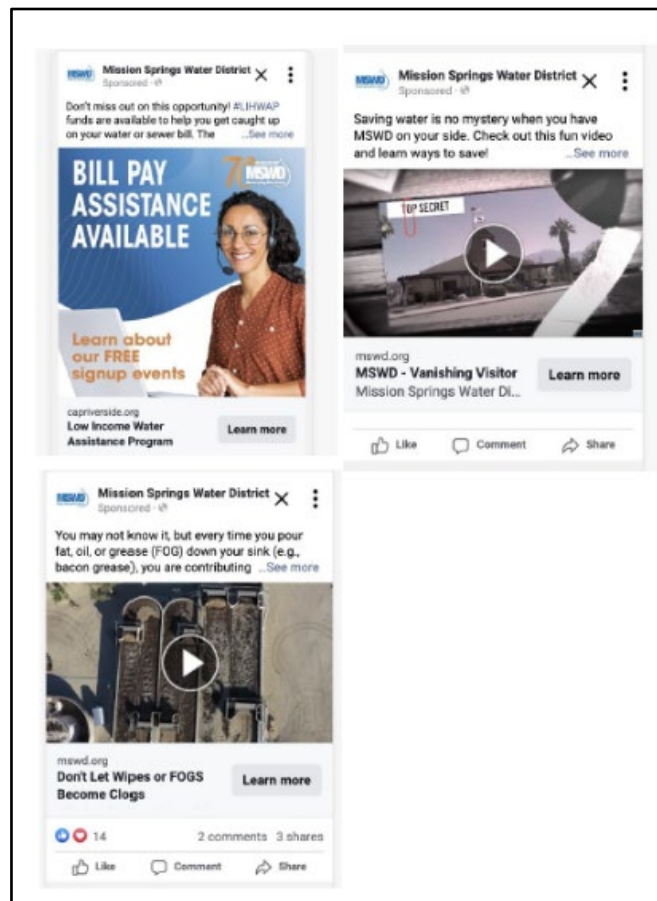
California: Conservation as a Way of Life

In March 2024, the State Water Board held a hearing and solicited comment letters from the Conservation as a Way of Life Framework. The regulation, introduced initially last year, establishes unique efficiency goals for each Urban Retail Water Supplier in California and provides those suppliers flexibility to implement locally appropriate solutions. As part of the state's all-of-the-above strategy to expand storage, develop new water supplies, and promote more efficient water use, this regulation seeks to cultivate long-term practices that help communities adapt to California's ongoing water challenges. The proposed regulation will lessen the need for the emergency water use reduction targets that were important in recent droughts. In response to industry feedback and a recent [Legislative Analyst's Office Report](#), the state board proposed changes to the regulation framework. MSWD participated in multiple industry letters and provided its own comments on the proposed changes. The MSWD letter is included in Appendix D.

MSWD Digital Advertising










The District featured three Google and Facebook/Instagram ads promoting various MSWD programs. The Google campaign garnered almost 50,000 impressions and 877 link clicks. Our Facebook ads garnered more than 161,757 impressions and 292 link clicks.

A full report is included in Appendix D.



Social Media

A copy of the March 2024 social media report can be found in Appendix D. This report highlights activities and posts on the District's social media platforms. Some of our most engaging posts included the live recording of the March MSWD Water Talk and the Strategic Plan News Release.

3 Most Engaging Posts	3 Highest Reach Posts	3 Most Shared Posts
 Join us tomorrow for our monthly Water Talk, where we will... 23.08%	 +3 MSWD was proud to celebrate DHS resident Linda Crowson an... 490	 LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are ava... 2
 News Release: SP & AGM News Release: MSWD Announces New Strategic Plan and App... 17.48%	 LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are ava... 190	 +3 MSWD was proud to celebrate DHS resident Linda Crowson an... 2
 St. Patty Day Wishing you a happy and safe Saint Patrick's Day! #staysafe 17.17%	 St. Patty Day Wishing you a happy and safe Saint Patrick's Day! #staysafe 185	 Water Talks Mar 27 JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATE... 1

CV Water Counts

There was significant engagement across multiple digital platforms in March 2024, with over 5,000 sessions on the website and 85,810 impressions on Facebook ads alone. Google Ads campaigns, including display, search, and video, contributed significantly to brand visibility, garnering hundreds of thousands of impressions and clicks. The e-newsletter continues to see impressive open rates, with March 2024's open rate above 61%. A full report is in Appendix D.



Rebates & Conservation

The Public Affairs team continued to promote rebates and conservation throughout our service territory during March 2024.

Toilet Rebates

The District funded two toilet rebate applications in March 2024 totaling \$300.

Turf Rebates

The District did not receive any new turf rebate applications in March 2024. However, there is one pending application totaling \$3,000.

Conservation Kits

The District received one request for a conservation kit in March 2024.

Bottled Water Tracking Report

Date Supplied	Requested By	Event or Purpose	Cases Requested
03/02/2024	MSWD	CV Water Counts Tour of the Nancy Wright RWRP	2
03/04/2024	City of DHS	Monthly Supply Order	15
03/06/2024	DHS High School	Club de Mujeres Latinas International Women's Day	5
03/08/2024	Miracle Springs Resort	Children Tennis Camp	5
03/10/2024	Team Mom	Special Event	5
03/14/2024	Bella Vista Elementary School	Annual Jog-a-Thon	5
03/16/2024	Denise Messier	Special Event – Family Accident	3
03/21/2024	Art Foundation – Adam Sanchez	DHS Golf Tournament	5
03/23/2024	Heart to Heart	Annual Military Wife Luncheon	5
03/24/2024	Spa City Paletteers Art Club	Annual Fundraiser for DHS High School Students	3
03/26/2024	Team Mom	Homeless Meals at Church	3
03/26/2024	DHS Police Department	Miscellaneous Events, Accidents, and Investigations	6
03/27/2024	MSWD	Water Talks Meeting	2
03/27/2024	Living Word in the Desert	Community Event	5
Total			62



APPENDIX A – Finance & Accounting Information

MISSION SPRINGS WATER DISTRICT
 COMBINED FUNDS
 DISTRICT SUMMARY
 JULY 1, 2023 TO FEBRUARY 29, 2024

Item 26.

YEAR TO DATE				JULY 1, 2022 TO FEBRUARY 29, 2023			
ACTUAL	BUDGET	FAVORABLE	FAVORABLE	ACTUAL	BUDGET	FAVORABLE	FAVORABLE
		(UNFAVORABLE)	(UNFAVORABLE)			(UNFAVORABLE)	(UNFAVORABLE)
		VARIANCE	VARIANCE			VARIANCE	VARIANCE
		AMOUNT	PERCENT			AMOUNT	PERCENT
14,794,801	14,178,392	616,409	4%	14,027,703	13,757,616	270,087	2%
13,016,635	15,754,657	2,738,023	17%	10,727,028	11,451,865	724,837	6%
<u>1,778,166</u>	<u>(1,576,265)</u>	<u>3,354,432</u>	<u>213%</u>	<u>3,300,675</u>	<u>2,305,751</u>	<u>994,924</u>	<u>43%</u>
5,648,303	6,147,185	(498,882)	-8%	2,678,198	2,450,924	227,274	9%
666,256	709,256	43,000	6%	439,760	1,136,204	696,444	61%
<u>4,982,047</u>	<u>5,437,929</u>	<u>(455,882)</u>	<u>-8%</u>	<u>2,238,438</u>	<u>1,314,720</u>	<u>923,718</u>	<u>70%</u>
<u>6,760,214</u>	<u>3,861,664</u>	<u>2,898,550</u>	<u>75%</u>	<u>5,539,113</u>	<u>3,620,471</u>	<u>1,918,642</u>	<u>53%</u>

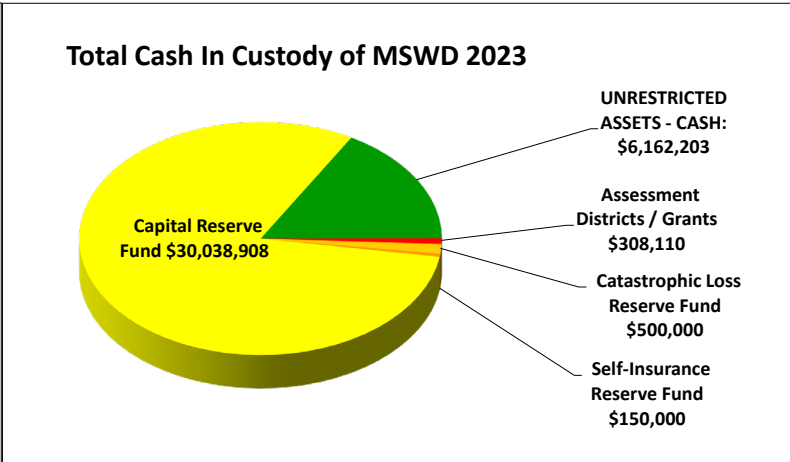
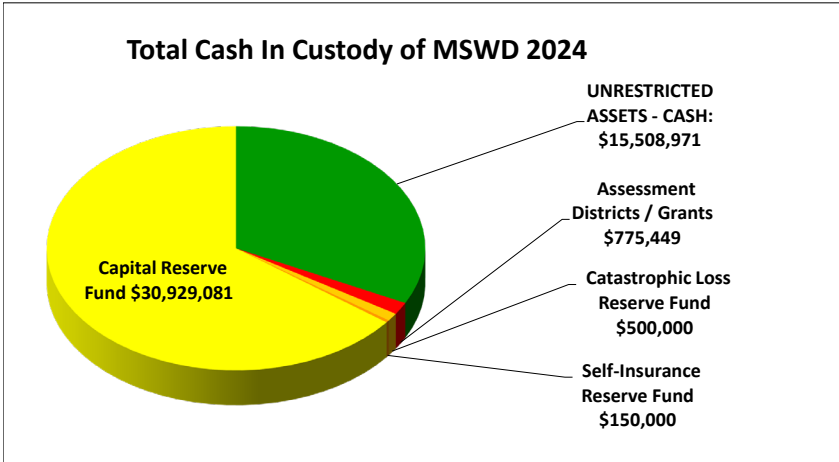
OPERATING REVENUE:
OPERATING EXPENSE:
NET OPERATING INCOME

ADD NON-OPERATING REVENUE
LESS NON-OPERATING EXPENSE
NET NON-OPERATING INCOME

NET INCOME

OTHER INFORMATION

	19.80	DEBT SERVICE RATIO	26.75
	0.74%	INVESTMENT RETURN	0.05%
EARNED \$	39,900	WELLS FARGO LOAN INTEREST	\$ 53,200 PAID
	\$ 42,784,058	CASH - JULY 1	\$ 47,763,075
	\$ 5,079,443	INCREASE/(DECREASE) IN CASH	\$ (10,603,853)
	<u>\$ 47,863,501</u>	CASH - END OF PERIOD	<u>\$ 37,159,222</u>
WELLS FARGO	\$ 15,508,971	UNRESTRICTED CASH	\$ 6,162,203
WELLS FARGO	\$ 562,755	RESTRICTED - ASSESSMENT DISTRICTS	\$ 675,306
CALTRUST	\$ 6,890,886	RESTRICTED - SHORT TERM FUND	\$ 6,507,866
CALTRUST	\$ 22,151,081	RESTRICTED - MEDIUM TERM FUND	\$ 21,204,603
CALTRUST	\$ 2,749,808	RESTRICTED - LIQUIDITY FUND	\$ 2,609,243
	<u>\$ 47,863,501</u>	RESTRICTED TOTAL CASH	<u>\$ 37,159,222</u>



MISSION SPRINGS WATER DISTRICT
CAPITAL IMPROVEMENT PROJECTS - NOT STARTED
FEBRUARY 29, 2024

JOBNO	PROJECT TITLE	BEG BAL 07-01-2023	YEAR TO DATE 02-29-24	2024 BUDGET	FY 2024 BUDGET TO ACTUAL	TOTAL COST	ADOPTED BUDGET	BALANCE OF BUDGET	DEPARTMENT RESPONSIBLE
11460	WELL 29 CHROMIUM 6 TREATMENT DESIGN	0.00	0.00	200,000.00	200,000.00	0.00	200,000.00	200,000.00	ENGINEERING
11719	RESERVOIR REHAB PROGRAM DESIGN - 2022 FY	0.00	0.00	120,000.00	120,000.00	0.00	120,000.00	120,000.00	PRODUCTION
11737	PIERSON BLVD SLURRY SEAL PROJECT	0.00	0.00	183,000.00	183,000.00	0.00	183,000.00	183,000.00	ENGINEERING
11738	RIVERSIDE CTY MOUNTAIN VIEW RESURFACING PROJ	0.00	0.00	33,000.00	33,000.00	0.00	33,000.00	33,000.00	ENGINEERING
11787	JOHN DEERE 3032E COMPACT UTILITY TRAILER	0.00	0.00	32,000.00	32,000.00	0.00	32,000.00	32,000.00	WASTEWATER
11788	MUFFIN MONSTER 6" INLINE GRINDER	0.00	0.00	15,100.00	15,100.00	0.00	17,100.00	17,100.00	WASTEWATER
11789	WACHS ERV-750 VALVE MACHINE	0.00	0.00	42,000.00	42,000.00	0.00	42,000.00	42,000.00	CONSTRUCTION & MAINT.
11791	ERP SYSTEM REPLACEMENTS	0.00	0.00	1,710,000.00	1,710,000.00	0.00	1,710,000.00	1,710,000.00	INNOVATION & TECHNOLOGY
11809	13TH AVE DAMAGE: TSTORM HILARY	0.00	3,458.64	70,000.00	66,541.36	3,458.64	100,000.00	96,541.36	ENGINEERING
11810	THOMAS DR DAMAGE: TSTORM HILARY	0.00	3,458.64	75,000.00	71,541.36	3,458.64	105,000.00	101,541.36	ENGINEERING
11811	INDIAN CANYON DAMAGE: TSTORM HILARY	0.00	8,013.82	230,000.00	221,986.18	8,013.82	230,000.00	221,986.18	ENGINEERING
11812	LITTLE MORONGO DAMAGE: TSTORM HILARY	0.00	0.00	30,000.00	30,000.00	0.00	30,000.00	30,000.00	ENGINEERING
11813	MISSION LAKES DAMAGE: TSTORM HILARY	0.00	3,578.88	150,000.00	146,421.12	3,578.88	650,000.00	646,421.12	ENGINEERING
TOTAL		0.00	18,509.98	2,890,100.00	2,871,590.02	18,509.98	3,452,100.00	3,433,590.02	
13 records									

COMPLETED

**MISSION SPRINGS WATER DISTRICT
CAPITAL IMPROVEMENT PROJECTS - COMPLETED
FEBRUARY 29, 2024**

Item 26.

JOBNO	PROJECT TITLE	BEG BAL	YEAR TO DATE	2024	FY 2024 BUDGET	TOTAL	ADOPTED	BALANCE	DEPARTMENT
		07-01-2023	02-29-24	BUDGET	TO ACTUAL	COST	BUDGET	OF BUDGET	RESPONSIBLE
10371	SEWER LINE ENCASUREMENT I-10 CROSSING @ INDIAN	251,972.22	0.00	0.00	0.00	251,972.22	251,972.00	-0.22	ENGINEERING
10693	WELL SITE-WORSLEY RD NORTH-27 ACRES	39,326.00	0.00	0.00	0.00	39,326.00	39,326.00	0.00	ENGINEERING
10702	WELL SITE WORSLEY-ENV/ENG	2,404.50	0.00	0.00	0.00	2,404.50	2,405.00	0.50	ENGINEERING
10969	PRELIM DESIGN/ENG HORTON WWTP EXP# 5	171,702.93	0.00	0.00	0.00	171,702.93	171,703.00	0.07	ENGINEERING
11032	FINAL DESIGN HORTON WWTP EXP #5	940,340.32	0.00	0.00	0.00	940,340.32	940,340.00	-0.32	ENGINEERING
11076	WELL #38 DESIGN & ENVIRONMENTAL	366,443.48	0.00	0.00	0.00	366,443.48	375,000.00	8,556.52	ENGINEERING
11088	EIR HORTON WWTP EXPANSION #5	71,415.62	0.00	0.00	0.00	71,415.62	71,416.00	0.38	ENGINEERING
11392	WELL & BOOSTER SCADA ENHANCEMENT	29,207.20	0.00	0.00	0.00	29,207.20	30,000.00	792.80	PRODUCTION
TOTAL		1,872,812.27	0.00	0.00	0.00	1,872,812.27	1,882,162.00	9,349.73	
8 records									

APPENDIX B – Wastewater & Water Production Tables

WASTEWATER REPORT

SEWER CONNECTION SUMMARY													
	2023/24	2022/23	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12
July	4	4	18	8	7	9	51	2	1	139	2	0	0
August	12	26	20	4	1	8	53	2	4	214	4	0	2
September	17	20	20	5	2	12	8	11	2	90	2	1	0
October	3	13	36	9	4	8	12	4	21	65	8	2	1
November	7	8	29	50	10	9	7	7	1	52	18	7	3
December	21	8	12	9	3	3	64	1	0	86	22	11	2
January	2	35	14	21	7	1	16	8	3	27	3	11	1
February	1	4	7	23	5	1	42	0	3	5	46	6	1
March	1	24	17	48	1	0	23	5	0	31	16	2	1
April		16	7	18	3	3	15	30	0	8	95	14	3
May		9	16	17	11	3	20	45	7	13	98	3	2
June		4	2	21	7	3	6	70	4	4	72	2	0
Annual	68	171	198	233	61	60	317	185	46	734	386	59	16

Connections to Sewer Collection System:
 As of June 30, 2023 8,836
 Plus YTD 68
Total Sewer Connections = 8,904

WASTEWATER FLOW MGD				
2023/24	HORTON PLANT		DESERT CREST	
	Avg. Daily Flow	Peak 24 hr. Flow	Avg. Daily Flow	Peak 24 hr. Flow
July	1.922043	2.149212	0.050983	0.071200
August	1.929369	2.592078	0.047453	0.067540
September	2.037218	2.182773	0.046081	0.055570
October	2.050049	2.173503	0.040804	0.051000
November	2.065661	2.265582	0.046158	0.059550
December	2.037725	2.208722	0.045566	0.057730
January	2.014687	2.152567	0.045226	0.049620
February	1.999080	2.184408	0.047016	0.053920
March	2.075331	2.301861	0.047050	0.054740
April				
May				
June				

WASTEWATER FLOW MGD				
2022/23	HORTON PLANT		DESERT CREST	
	Avg. Daily Flow	Peak 24 hr. Flow	Avg. Daily Flow	Peak 24 hr. Flow
July	1.980020	2.086591	0.038856	0.045610
August	2.007484	2.156507	0.043378	0.051750
September	2.085598	2.243680	0.042339	0.047130
October	1.980283	2.266199	0.045616	0.052230
November	1.966075	2.124845	0.045861	0.050330
December	1.963779	2.145901	0.041817	0.050300
January	1.954007	2.142796	0.043181	0.048220
February	1.917610	2.093768	0.041724	0.056170
March	1.977725	2.134190	0.042863	0.047530
April	2.047194	2.217048	0.037373	0.047160
May	1.977976	2.188987	0.040162	0.059330
June	1.938862	2.058816	0.049741	0.067470

WATER REPORT

WATER CONNECTION SUMMARY													
	2023/24	2022/23	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12
July	5	6	18	7	4	5	7	2	0	0	1	0	0
August	14	28	19	6	10	5	3	2	2	0	1	0	0
September	19	22	23	18	2	14	4	13	3	0	2	2	0
October	4	16	33	13	3	21	8	3	20	0	5	1	1
November	9	10	27	10	16	4	0	7	3	0	1	0	1
December	5	9	9	2	17	3	3	2	0	0	2	0	0
January	5	26	14	15	6	3	20	1	1	2	2	0	0
February	3	14	8	13	8	5	11	1	0	1	0	1	0
March	6	29	19	16	2	3	6	5	0	12	0	0	4
April		24	6	11	1	3	7	11	2	7	0	1	4
May		16	19	15	12	5	11	9	8	2	0	1	2
June		5	1	24	11	2	8	2	10	1	0	0	0
Annual	70	205	196	150	92	73	88	58	49	25	14	6	12
Avg./ Mo.	5.83	17.08	16.33	12.50	7.67	6.08	7.33	4.83	4.08	2.08	1.17	0.50	1.00

Connections to Water System:
 As of June 30, 2023 13,542
 Plus YTD 70
Total Water Connections = 13,612

WATER PRODUCTION SUMMARY													
	FY 2023/24	Variance from prior year		FY 2022/23	FY 2021/22	FY 2020/21	FY 2019/20	FY 2018/19	FY 2017/18	FY 2016/17	FY 2015/16	FY 2014/15	FY 2013/14
	AF	AF	%	AF	AF	AF	AF	AF	AF	AF	AF	AF	AF
July	789.99	38.20	5.08%	751.79	796.57	857.77	853.23	857.20	835.87	714.50	659.11	859.00	942.82
August	737.74	-112.45	-13.23%	850.19	839.93	885.31	795.18	806.47	829.93	808.54	706.62	730.71	828.60
September	675.06	-40.97	-5.72%	716.03	738.65	784.80	757.08	689.47	712.40	679.54	657.37	800.67	813.20
October	709.23	17.25	2.49%	691.98	665.18	755.84	709.39	709.81	733.86	678.33	575.86	716.30	716.09
November	629.05	29.66	4.95%	599.39	679.85	690.13	619.87	631.75	642.41	601.89	582.22	533.69	557.05
December	529.99	-24.28	-4.38%	554.27	565.48	588.32	537.23	502.16	584.24	520.63	503.10	590.83	633.09
January	556.57	26.18	4.94%	530.39	580.28	537.96	553.20	570.20	599.52	465.10	431.38	526.86	582.86
February	458.69	-31.72	-6.47%	490.41	527.34	495.61	520.85	415.49	512.79	453.39	483.92	506.49	522.87
March	560.24	59.87	11.97%	500.37	601.44	625.80	557.73	490.92	536.09	549.50	514.05	614.94	603.89
April		-	0.00%	552.34	624.07	649.34	573.02	635.08	644.06	540.56	502.36	622.58	664.05
May		-	0.00%	726.25	745.36	723.62	698.99	598.36	697.15	731.81	601.83	590.28	708.18
June		-	0.00%	682.09	730.02	761.63	806.02	710.39	688.74	732.68	685.93	706.34	812.96
TOTAL	5,646.56	-38.26	-0.67%	7,645.50	8,094.17	8,356.13	7,981.79	7,617.30	8,017.06	7,476.47	6,903.75	7,798.69	8,385.66

APPENDIX C – Federal Update from Carpi & Clay

Mission Springs Water District Federal Update

April 1, 2024

Congress Completes FY 2024 Appropriations

This month, at nearly the halfway mark of the new fiscal year, Congress finally finished their work on the Fiscal Year (FY) 2024 appropriations bills and passed two minibus packages. The first package ([H.R. 4366](#)), comprising of six bills and totaling around \$459 billion in discretionary spending, was signed into law on March 9th. Two weeks later, the second package ([H.R. 2882](#)), encompassing the remaining six bills and totaling approximately \$1.2 trillion in discretionary spending, was signed into law on March 23rd. The FY24 appropriations bills also contained funding for community project requests, included the following project for the District:

- \$2.7 million-Groundwater Protection Project (Sens. Feinstein and Padilla)

With all 12 spending bills now enacted, the federal government's funding is secured through the FY 2024 which ends on September 30, 2024. Congress has now shifted its focus to the funding for FY25, with Members currently accepting requests for programmatic and community project funding.

President Biden Submits FY 2025 Budget to Congress

Following the State of the Union Address, President Biden [submitted](#) his FY 2025 Budget Proposal to Congress for consideration. The budget includes funding priorities for the Biden administration for Congress to consider when drafting FY 2025 appropriations bills. The budget details \$7.2 trillion in spending for FY 2025 and protects a deficit reduction of two percentage points by FY 2034. A list of fact sheets on programs included in the budget can be found [HERE](#).

House Appropriations Chair Steps Down

House Appropriations Committee Chair Kay Granger (R-TX) announced her intent to step down as Chair of the House Appropriations Committee and is urging the House Republican Leadership to immediately appoint a new Committee Chair. Granger, who has confirmed she won't seek re-election, plans to fulfill her current term in Congress, but anticipates the fiscal 2025 government funding package to materialize "well into the next fiscal year." As a result, she has requested for her replacement to begin before the end of the current Congress. Two seasoned members of the Appropriations Committee, Representatives Tom Cole (R-OK) and Robert Aderholt (R-AL), have signaled their interest in the position.

Additional Members Announce Resignations and Retirements

In March, additional Members of Congress announced their resignation or plans to retire. Representative Ken Buck (R-CO) resigned from the House on March 22nd, and a special election to fill the remainder of his term is scheduled for June 25th. Representative Mike Gallagher (R-WI) announced his intent to resign effective April 19th. In the race to replace former Representative and Speaker of the House Kevin McCarthy (R-CA), two Republicans, Vince Fong and Mike Boudreaux, advanced to a runoff scheduled for May 21st. On the Senate side, Senator Kyrsten Sinema (I-AZ) announced her intent to retire at the end of the 118th Congress.

Legislative Activity

EDA Reauthorization Bill Introduced. Senate Committee on Environment and Public Works (EPW) Chairman Tom Carper (D-DE) and Ranking Member Shelley Moore Capito (R-WV), along with EPW Transportation and Infrastructure Subcommittee Chairman Mark Kelly (D-AZ), and Ranking Member Kevin Cramer (R-ND) introduced the *Economic Development Act of 2024* ([S. 3891](#)). The bill would reauthorize and reform programs at the Economic Development Administration (EDA) for workforce development and disaster assistance. The legislation would also update and authorize laws regarding federal regional commissions and would establish two new regional commissions. Following a markup, EPW reported the bill favorably and it now heads to the full Senate for consideration.

Special District Grant Accessibility Bill Introduced in House. Representatives Pat Fallon (R-TX) and Brittany Pettersen (D-CO) introduced the *Special District Grant Accessibility Act* ([H.R. 7525](#)). The legislation would codify a formal definition of “special district” at the federal level. Additionally, the bill would direct federal agencies to recognize special districts as local governments for the purpose of ensuring eligibility to receive appropriate forms of federal assistance, including funding and resources. On March 7th, the House Committee on Oversight and Accountability reported the bill by a vote of 38-2. It now heads to the full House for consideration.

Federal Funding Opportunities & Announcements

EPA Publishes P2 Program NOFOs. EPA published two NOFOs as part of its Pollution Prevention (P2) program. The first [NOFO](#) is for the availability \$9.94 million in funding available over a two-year funding cycle with a cost share/match requirement of 50 percent. The second [NOFO](#) is for the availability of \$13.9 million funded by the Bipartisan Infrastructure Law (BIL) without the matching requirement of traditional P2 grants, and with immediate disbursement of funds. Both opportunities provide funding for technical assistance for the development and implementation of pollution prevention plans. Applications for both opportunities are due by May 17th.

Reclamation Extends WaterSMART Planning and Project Design Deadline. The Reclamation extended the submission deadline for the WaterSMART Planning and

Project Design [NOFO](#). The program includes funding for Water Strategy grants to conduct water supply planning activities, Project Design grants to conduct project-specific design, and Drought Contingency Plan grants to conduct comprehensive drought planning. The new deadline for applications is May 21st.

Federal Agency Personnel & Regulatory Announcements

DHS Releases AI Roadmap. The Department of Homeland Security (DHS) released its report titled “[Artificial Intelligence \(AI\) Roadmap 2024](#)” to provide a basis for developing AI technology while protecting the public from irresponsible or adversarial use of the technology. The roadmap aligns with President Biden’s Executive Order 14110, *Safe, Secure, and Trustworthy Development and Use of Artificial Intelligence*.

EPA and NSC Highlight Cyber Threats for Water Sector. EPA Administrator Michael Regan and National Security Advisor Jake Sullivan sent a [letter](#) to all governors requesting attendance of state environmental, health, and homeland security agencies to a summit on the need to safeguard water sector critical infrastructure against cybersecurity threats. The virtual meeting took place on March 21st, and EPA and the National Security Council (NSC) urged rapid improvements to water cybersecurity and reinforced collaboration between state and federal entities on securing water systems.

EPA Publishes Final CWA Hazardous Substance Facility Response Rule. EPA published a [final rule](#) titled “Clean Water Act Hazardous Substance Worst Case Discharge Planning.” Facilities subject to the rule are required to prepare response plans under the Clean Water Act (CWA) to prepare for the potential of worst-case discharge scenarios within 36 months of the effective date of the rule. A worst-case discharge is the largest foreseeable discharge in adverse or extreme weather conditions. The rule is effective on May 28th.

EPA Establishes Office of Agriculture and Rural Affairs. EPA established a new [Office of Agriculture and Rural Affairs](#) to expand engagement opportunities with agricultural and rural communities. The new office will be led by Rod Snyder, EPA’s Senior Advisor for Agriculture, and will promote practical solutions to protect the environment while supporting farmers and rural communities seeking infrastructure funding and community improvement opportunities.

EPA Releases 2023 WIFIA Report. EPA released the Water Infrastructure Finance and Innovation Act (WIFIA) program [2023 Annual Report](#). In 2023, EPA closed \$3 billion in WIFIA loans to support water infrastructure in 10 states. Since 2018, EPA has loaned \$19 billion through the WIFIA program to support \$43 billion in water infrastructure projects.

USACE Releases Section 7001 Report to Congress. The US Army Corps of Engineers (USACE) released its annual [report](#) titled “2024 Report to Congress on Future Water Resources Development,” also referred to as the Section 7001 report. The report details potential future water resources studies and projects identified by USACE that would require congressional authorization.

##

APPENDIX D – Public Affairs Information

Spring Water Conservation

As the warmth of spring approaches, our focus turns to the preservation of our precious water resources. As temperatures rise and outdoor activities increase, so does water consumption. It's imperative that we remain vigilant in our efforts to conserve water and protect this vital resource.

Simple actions can make a significant difference. From fixing leaky faucets to installing water-efficient appliances, every effort contributes to the conservation cause. Check out our seasonal watering plan below, which ensures you provide your outdoor spaces with just the right amount of water, promoting healthy landscapes without unnecessary waste. Together, we can create a positive impact and nurture a greener, healthier world.

For more water saving tips, visit www.mswd.org/conservation.

	Water Efficient Shrubs	Water Efficient Trees	Non-Desert Trees	Turf/Grass
March	.9 gal./day 4 days/week	16 gal./day 4 days/week	53 gal./day 4 days/week	Spray system: 7 min./day; 5 days/week Rotor system: 18 min./day; 5 days/week
April	1 gal./day 5 days/week	17 gal./day 5 days/week	59 gal./day 5 days/week	Spray system: 10 min./day; 7 days/week Rotor system: 22 min./day; 7 days/week
May	.9 gal./day 6 days/week	18 gal./day 5 days/week	60 gal./day 6 days/week	Spray system: 12 min./day; 7 days/week Rotor system: 27 min./day; 7 days/week

Groundwater Awareness Month

As proud Groundwater Guardians, we stand united in our commitment to safeguarding the lifeblood of our community: groundwater. With 100% of our water sourced from this vital reserve, MSWD's dedication to its protection remains unwavering. Our legacy of stewardship spans generations, ensuring a sustainable future for all.

Through vigilant monitoring, proactive conservation efforts, and community engagement, we continue to uphold our responsibility to preserve this precious resource. Together, we pledge to safeguard our groundwater for the benefit of present and future generations.

We hope you will join us in this mission. Simple ways to protect groundwater include avoiding the dumping of oils on streets and grass, using environmentally-friendly products, properly disposing of hazardous materials, minimizing the use of pesticides and fertilizers, and regularly maintaining septic systems.



CONSTRUCTION UPDATE: Nancy Wright Regional Water Reclamation Facility



Earlier this month, crews began filling the treatment tanks with clean water to begin testing. Work is continuing and the plant should be fully operational in the coming months. Visit our website or check out our social media channels for additional updates.

Conservación del agua de manantial

A medida que se acerca el calor de la primavera, nuestra atención se centra en la preservación de nuestros preciosos recursos hídricos. A medida que aumentan las temperaturas y las actividades al aire libre, también lo hace el consumo de agua. Es imperativo que permanezcamos atentos en nuestros esfuerzos por conservar el agua y proteger este recurso vital.

Las acciones de implementación pueden marcar una diferencia significativa. Desde arreglar grifos que gotean hasta instalar electrodomésticos de bajo consumo de agua, cada esfuerzo contribuye a la causa de la conservación. Echa un vistazo a nuestro plan de riego estacional a continuación, que garantiza que proporciones a tus espacios exteriores la cantidad justa de agua, promoviendo paisajes saludables sin desperdicios innecesarios. Juntos, podemos crear un impacto positivo y fomentar un mundo más verde y saludable. Para obtener más consejos para ahorrar agua, visite www.mswd.org/conservation.

	Arbustos eficientes en el uso del agua	Árboles eficientes en el uso del agua	Árboles no desérticos	Césped
Marzo	.9 galón por día 4 días a la semana	16 galón por día 4 días a la semana	53 galón por día 4 días a la semana	Rociar: 7 min. por día; 5 días a la semana Aspersor: 18 min. por día; 5 días a la semana
Abril	1 galón por día 5 días a la semana	17 galón por día 5 días a la semana	59 galón por día 5 días a la semana	Rociar: 10 min. por día; 7 días a la semana Aspersor: 22 min. por día; 7 días a la semana
Mayo	.9 galón por día 6 días a la semana	18 galón por día 5 días a la semana	60 galón por día 6 días a la semana	Rociar: 12 min. por día; 7 días a la semana Aspersor: 27 min. por día; 7 días a la semana

Mes de Concientización sobre las Aguas Subterráneas

Como orgullosos Guardianes de las Aguas Subterráneas, nos mantenemos unidos en nuestro compromiso de salvaguardar el alma de nuestra comunidad: las aguas subterráneas. Dado que el 100% de nuestra agua proviene de esta reserva vital, la dedicación de MSWD a su protección sigue siendo inquebrantable. Nuestro legado de administración abarca generaciones, asegurando un futuro sostenible para todos.

A través de un monitoreo vigilante, esfuerzos de conservación proactivos y participación de la comunidad, continuamos cumpliendo con nuestra responsabilidad de preservar este precioso recurso. Juntos, nos comprometemos a salvaguardar nuestras aguas subterráneas en beneficio de las generaciones presentes y futuras.

Esperamos que se unan a nosotros en esta misión. Las formas sencillas de proteger las aguas subterráneas incluyen evitar el vertido de aceites en las calles y el césped, utilizar productos respetuosos con el medio ambiente, desechar adecuadamente los materiales peligrosos, minimizar el uso de pesticidas y fertilizantes, y mantener regularmente los sistemas sépticos.



ACTUALIZACIÓN DE LA CONSTRUCCIÓN: Nancy Wright Regional Water Reclamation Facility



A principios de este mes, las cuadrillas comenzaron a llenar los tanques de tratamiento con agua limpia para comenzar las pruebas. Los trabajos continúan y la planta debería estar en pleno funcionamiento en los próximos meses. Visite nuestro sitio web o consulte nuestros canales de redes sociales para obtener actualizaciones adicionales.



March 27, 2024

Courtney Tyler, Clerk to the Board
 State Water Resources Control Board
 P.O. Box 100
 Sacramento, CA 95812-2000
commentletters@waterboards.ca.gov

RE: Comment Letter—Proposed Making Conservation a California Way of Life Regulation

Dear Honorable State Water Resources Control Board,

On behalf of Mission Springs Water District, I would like to extend our gratitude for the opportunity to provide feedback on the second draft of the Making Conservation a California Way of Life Regulation (Regulation). We appreciate the State Water Resources Control Board's responsiveness to our comments on the initial draft and the subsequent revisions. We appreciate your commitment to engaging with stakeholders and considering their input in the regulatory process.

While we generally concur with the proposed modifications in the second draft of the Regulation, we have some lingering concerns that merit attention and further collaboration. We echo the Association of California Water Agencies (ACWA)'s sentiments and offer specific comments and recommendations for your consideration.

Timing: We appreciate the proposed timelines for outdoor standards, particularly the additional five years provided for the standard to drop in the Landscape Efficiency Factor (LEF) from 0.8 to 0.63. This extension acknowledges the complexities involved in implementing necessary changes and allows for adequate time for all suppliers to develop programs supporting compliance.

Feasibility: Given the arid nature of our region and the disadvantaged community we serve, achieving a 0.55 LEF standard by 2040 poses significant challenges. We have concerns regarding feasibility, particularly without dedicated funding or technical assistance. Expanding the irrigable but not currently irrigated (INI) buffer is welcomed. Still, we stress the need for a nuanced understanding of real-world conditions, as highlighted by the statistical analysis conducted by the Department of Water Resources.

We echo requests to remove Effective Precipitation from the final Regulation, as its application is impractical in our region due to variability and uneven distribution. Furthermore, we advocate for changes that acknowledge inherent data limitations and gaps, including consideration of a Data Error Adjustment as proposed by ACWA.

Alternative Compliance: We commend the modifications to alternative compliance pathways, which offer greater accessibility for suppliers facing significant reductions. However, we urge clarification regarding the specific period or year for the median household income (MHI) referenced in these pathways to avoid ambiguity and confusion.

Collaboration: We value the State Water Resources Control Board's commitment to collaboration and inclusive stakeholder engagement in the regulatory process. We believe that continued collaboration is essential for addressing unclear or inconsistent language before the Regulation is finalized.

In conclusion, we appreciate the opportunity to provide feedback on the Regulation and express our willingness to work collaboratively toward practical and feasible water conservation policies. We look forward to further dialogue and collaboration on this critical issue.

Thank you for your attention to our concerns and for considering our recommendations.

Sincerely,



Brian E. Macy, PE
General Manager
Mission Springs Water District



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Thank you for your attention to our concerns and for considering our recommendations.

Sincerely,



Brian E. Macy, PE
General Manager
Mission Springs Water District



March 25, 2024

The Honorable Henry Stern
 Chair of the Senate Committee on Natural Resources and Water
 State Capitol, Room 5046
 Sacramento, CA 95814
 Email: Senate.Natural.Resources@senate.ca.gov

RE: Support for SB 1156 Groundwater Sustainability Agencies Transparency Act

Dear Senator Stern,

On behalf of Mission Springs Water District, I am writing to express our full support for SB 1156, the Groundwater Sustainability Agencies Transparency Act. This bill is paramount to our District and the communities we serve, as it seeks to enhance transparency and accountability within Groundwater Sustainability Agencies (GSA).

SB 1156 proposes measures that would mandate members of the executive team and board of directors of GSAs to disclose economic or financial interests they maintain annually. This requirement aligns with MSWD's commitment to transparent governance and ensuring that the interests of ratepayers are safeguarded.

Recently, our District has encountered challenges in obtaining separate accounting information from our GSA. The commingling of funds between their business's wholesale and retail sides has raised concerns regarding transparency and accountability.

As a water district responsible for ensuring the welfare of our community, it is imperative that we have access to clear and transparent financial information. The lack of financial separation between the wholesale and retail businesses, with the same board and staff, has raised questions regarding the autonomy of individual districts and their responsibilities as GSAs.

SB 1156 addresses these concerns by promoting transparency in financial matters and ensuring that GSAs remain accountable to the communities they serve. Therefore, we urge you to support SB 1156 and advocate for its passage. Transparent and accountable governance is fundamental to effectively managing groundwater resources and protecting our community's interests.

Thank you for considering our position on this matter. Please do not hesitate to contact us for further information or assistance.

Sincerely,

A handwritten signature in cursive script that reads "Marion Champion".

Marion Champion
 Assistant General Manager
 Mission Springs Water District



2024 - 2025 MSWD Bill Tracker

Updated 3/25/2024

Bill #	Issue	Summary	Status	Link	Sponsor	Notes
AB 62	Statewide water storage: expansion	<p>Current law establishes within the Natural Resources Agency the State Water Resources Control Board and the California regional water quality control boards. Current law requires the work of the state board to be divided into at least 2 divisions, known as the Division of Water Rights and the Division of Water Quality. This bill would establish a statewide goal to increase above- and below-ground water storage capacity by a total of 3,700,000 acre-feet by the year 2030 and a total of 4,000,000 acre-feet by the year 2040.</p> <p>The bill would require the Department of Water Resources, in consultation with the state board, to take reasonable actions to promote or assist efforts to achieve the statewide goal, as provided. The bill would require the department, beginning July 1, 2027, and on or before July 1 every 2 years thereafter until January 1, 2043, in consultation with the state board, to prepare and submit a report to the Legislature on the progress made to achieve the statewide goal.</p>	2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB62	Mathis	
AB 227	Extreme Weather Forecast and Threat Intelligence Integration Center	<p>Current law establishes the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program within the department to, upon appropriation of special fund moneys, research climate forecasting and the causes and impacts that climate change has on atmospheric rivers, to operate reservoirs in a manner that improves flood protection in the state, and to reoperate flood control and water storage facilities to capture water generated by atmospheric rivers. This bill would establish the State-Federal Flood Operations Center within the Department of Water Resources and would authorize the department to administer the center in the department's divisions, offices, or programs. The bill would provide that the purpose of the center is to function as the focal point for gathering, analyzing, and disseminating flood and water-related information to stakeholders and would authorize the center to take specified actions for that purpose, including to function during emergency situations to enable the department to centrally coordinate statewide emergency responses.</p>	9/1/2023-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. SUSPENSE FILE on 8/21/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB27 7	Rodriguez	
AB 305	California Flood Protection Bond Act of 2024	<p>Would enact the California Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$4,500,000,000 pursuant to the State General Obligation Bond Law for flood protection projects, as specified. The bill would provide for the submission of these provisions to the voters at the November 5, 2024, statewide general election.</p>	6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB30 5	Villapudua	
AB 422	Natural Resources Agency: statewide water storage: tracking	<p>Would require the Natural Resources Agency, on or before June 1, 2024, to post on its publicly available internet website information tracking the progress to increase statewide water storage, and to keep that information updated.</p>	2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB42 2	Alanis	
AB 429	Groundwater wells: permits	<p>Current law requires the State Water Resources Control Board to adopt a model water well, cathodic protection well, and monitoring well drilling and abandonment ordinance implementing certain standards for water well construction, maintenance, and abandonment and requires each county, city, or water agency, where appropriate, not later than January 15, 1990, to adopt a water well, cathodic protection well, and monitoring well drilling and abandonment ordinance that meets or exceeds certain standards. Under current law, if a county, city, or water agency, where appropriate, fails to adopt an ordinance establishing water well, cathodic protection well, and monitoring well drilling and abandonment standards, the model ordinance adopted by the state board is required to take effect on February 15, 1990, and is required to be enforced by the county or city and have the same force and effect as if adopted as a county or city ordinance. The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2020, and requires all other groundwater basins designated as high- or medium-priority basins to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans by January 31, 2022, except as specified. This bill would, if 1% of domestic wells go dry in a critically overdrafted basin, as specified, prohibit a county, city, or any other water well permitting agency from approving a permit for a new groundwater well or for an alteration to an existing well in a basin subject to the act and classified as a critically overdrafted basin unless specified conditions are met.</p>	2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB42 9	Bennett	

AB 460	State Water Resources Control Board: water rights and usage: interim relief: procedures.	Current law authorizes the State Water Resources Control Board to investigate all streams, stream systems, lakes, or other bodies of water, take testimony relating to the rights to water or the use of water, and ascertain whether water filed upon or attempted to be appropriated is appropriated under the laws of the state. Current law requires the board to take appropriate actions to prevent waste or the unreasonable use of water. This bill would authorize the board, in conducting specified investigations or proceedings to inspect the property or facilities of a person or entity, as specified. The bill would authorize the board, if consent is denied for an inspection, to obtain an inspection warrant, as specified, or in the event of an emergency affecting public health and safety, to conduct an inspection without consent or a warrant.	7/14/2023-Failed Deadline pursuant to Rule 61(a)(10). (Last location was N.R. & W. on 6/7/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB46 0	Bauer-Kahn
AB 560	Sustainable Groundwater Management Act: groundwater adjudication	Current law prohibits a court from approving entry of judgment in certain adjudication actions for a basin required to have a groundwater sustainability plan under the Sustainable Groundwater Management Act, unless the court finds that the judgment would not substantially impair the ability of a groundwater sustainability agency, the State Water Resources Control Board, or the Department of Water Resources to comply with the act and to achieve sustainable groundwater management. This bill would require the parties to an adjudication action to submit a proposed settlement agreement determining rights to water to the board for a nonbinding advisory determination as to whether the proposed settlement agreement will substantially impair the ability of a groundwater sustainability agency, the board, or the department to achieve sustainable groundwater management before filing the proposed settlement agreement with the court. The bill would require the board to provide its nonbinding advisory determination to the parties no later than 120 days after the proposed settlement agreement was submitted, and would require the parties to include the board's nonbinding advisory determination in the court filing, as provided.	9/1/2023-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. SUSPENSE FILE on 8/14/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB56 0	Bennett
AB 735	Workforce development: utility careers	Would establish the High Road Utility Careers (HRUC) program, to be administered by the California Workforce Development Board, to connect existing resources with individuals interested in careers in the utility sector and ensure a continued reliable workforce for California utilities. The bill would require the board to administer the HRUC program through partnerships with statewide water, wastewater, and energy utility associations and to coordinate the program with existing and future programs and initiatives administered by the board, including high road training partnerships, in order to align interested individuals with available resources. The bill would require the HRUC program, upon appropriation by the Legislature, to dedicate funding and resources toward accomplishing specified goals, including connecting workers to high-quality jobs or entry-level work with defined routes to advancement and increasing skills and opportunities while expanding pipelines for low-income populations.	2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB73 5	Berman
AB 754	Water management planning: water shortages	Current law requires an urban water management plan to quantify past, current, and projected water use, identifying the uses among water use sectors, including, among others, commercial, agricultural, and industrial. Current law requires every urban water supplier to prepare and adopt a water shortage contingency plan as part of its urban water management plan. Current law requires the water shortage contingency plan to include the procedures used in conducting an annual water supply and demand assessment, including the key data inputs and assessment methodology used to evaluate the urban water supplier's water supply reliability for the current year and one dry year. Current law requires the key data inputs and assessment methodology to include specified information, including, among other things, a description and quantification of each source of water supply. This bill would require a water shortage contingency plan to include, if, based on a description and quantification of each source of water supply, a single reservoir constitutes at least 50% of the total water supply, an identification of the dam and description of existing reservoir management operations, as specified, and if the reservoir is owned and operated by the urban water supplier, a description of operational practices and approaches, as specified.	9/1/2023-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. SUSPENSE FILE on 8/21/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB75 4	Papan

AB 805	Sewer service: disadvantaged communities	<p>Under current law, the State Water Resources Control Board and the 9 California regional water quality control boards regulate water quality in accordance with the Porter-Cologne Water Quality Control Act and the federal Clean Water Act. Current law authorizes a regional board to order the provision of sewer service by a receiving sewer system, as defined, to a disadvantaged community served by an inadequate onsite sewage treatment system, as defined. This bill would authorize the state board to require a sewer service provider to contract with an administrator designated or approved by the state board for administrative, technical, operational, legal, or managerial services to assist a designated sewer system with the provision of adequate sewer service, as defined. The bill would also authorize the state board to order a designated sewer system to accept those services, including full management and control of all aspects of the designated sewer system, from an administrator. The bill would define "designated sewer system" for these purposes as a sewer system that serves a disadvantaged community and that the state board finds to be either an inadequate sewage treatment system or a sewer system that has demonstrated difficulty in maintaining technical, managerial, and financial capacity to prevent fraud and mismanagement, or a sewer system that voluntarily accepts financial assistance for the provision of adequate sewer service.</p>	<p>1/30/2024-Read third time. Urgency clause adopted. Passed. Ordered to the Senate. (Ayes 76. Noes 0.). In Senate. Read first time. To Com. on RLS. for assignment</p>	<p>https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB80 5</p>	Arambula
AB 817	Open meetings: teleconferencing: subsidiary body	<p>The Ralph M. Brown Act requires, with specified exceptions, each legislative body of a local agency to provide notice of the time and place for its regular meetings and an agenda containing a brief general description of each item of business to be transacted. The act also requires that all meetings of a legislative body be open and public, and that all persons be permitted to attend unless a closed session is authorized. The act generally requires for teleconferencing that the legislative body of a local agency that elects to use teleconferencing post agendas at all teleconference locations, identify each teleconference location in the notice and agenda of the meeting or proceeding, and have each teleconference location be accessible to the public. Existing law also requires that, during the teleconference, at least a quorum of the members of the legislative body participate from locations within the boundaries of the territory over which the local agency exercises jurisdiction. Current law authorizes the legislative body of a local agency to use alternate teleconferencing provisions during a proclaimed state of emergency (emergency provisions) and, until January 1, 2026, in certain circumstances related to the particular member if at least a quorum of its members participate from a singular physical location that is open to the public and situated within the agency's jurisdiction and other requirements are met (nonemergency provisions). This bill, until January 1, 2026, would authorize a subsidiary body, as defined, to use similar alternative teleconferencing provisions and would impose requirements for notice, agenda, and public participation, as prescribed. In order to use teleconferencing pursuant to this act, the bill would require the legislative body that established the subsidiary body by charter, ordinance, resolution, or other formal action to make specified findings by majority vote, before the subsidiary body uses teleconferencing for the first time and every 12 months thereafter</p>	<p>1/25/2024-Read third time. Passed. Ordered to the Senate. (Ayes 54. Noes 8.) In Senate. Read first time. To Com. on RLS. for assignment</p>	<p>https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB81 7</p>	Pacheco
AB 838	California Water Affordability and Infrastructure Transparency Act of 2023	<p>The California Safe Drinking Water Act requires the State Water Resources Control Board to administer provisions relating to the regulation of drinking water to protect public health. Current law declares it to be the established policy of the state that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. The act prohibits a person from operating a public water system unless the person first submits an application to the state board and receives a permit to operate the system, as specified. The act requires a public water system to submit a technical report to the state board as a part of the permit application or when otherwise required by the state board, as specified, and to submit the report in the form and format and at intervals specified by the state board. This bill would require, beginning January 1, 2025, and thereafter at intervals determined by the state board, public water systems to provide specified information and data related to customer water bills and efforts to replace aging infrastructure to the state board.</p>	<p>2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56</p>	<p>https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB83 8</p>	Connolly
AB 1072	Water conservation and efficiency: low-income residential customers	<p>Would declare the policy of the state that all residents have access to water conservation and efficiency programs. The bill would also set forth related findings including that reaching the state's environmental justice goals and commitments requires designing climate adaptation programs so that all households may participate.</p>	<p>2/1/2024-From committee: Filed with the Chief Clerk pursuant to Joint Rule 56</p>	<p>https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB10 72</p>	Wicks

AB 1563	Groundwater sustainability agency: groundwater extraction permit: verification	Current law authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin and imposes specified duties upon that agency or combination of agencies, as provided. Current law authorizes a groundwater sustainability agency to request of the county, and requires a county to consider, that the county forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the agency before permit approval. This bill would instead require a county to forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the groundwater sustainability agency before permit approval.	7/14/2023-Failed Deadline pursuant to Rule 61(a)(10). (Last location was GOV. & F. on 6/22/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1563	Bennett
AB 1567	Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024	Would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, Clean Energy, and Workforce Development Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,995,000,000 pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, clean energy, and workforce development programs.	6/14/2023-Referred to Coms. on N.R. & W. and GOV. & F	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1567	Garcia
AB 1573	Water conservation: landscape design: model ordinance	The Water Conservation in Landscaping Act provides for a Model Water Efficient Landscape Ordinance that is adopted and updated at least every 3 years by the Department of Water Resources, unless the department makes a specified finding. Current law requires a local agency to adopt the model ordinance or to adopt a water efficient landscape ordinance that is at least as effective in conserving water as the updated model ordinance, except as specified. Current law specifies the provisions of the updated model ordinance, as provided. Current law includes a related statement of legislative findings and declarations. This bill would require the updated model ordinance to include provisions that require that plants included in a landscape design plan be selected based on their adaptability to climatic, geological, and topographical conditions of the project site, as specified. The bill would also exempt landscaping that is part of a culturally specific project, as defined, ecological restoration projects that do not require a permanent irrigation system, mined-land reclamation projects that do not require a permanent irrigation system, and existing plant collections, as part of botanical gardens and arboretums open to the public, from the model ordinance. The bill would require the updated model ordinance to include provisions that, among other changes, prohibit the use of traditional overhead sprinklers on all new and rehabilitated landscapes and require that new and rehabilitated landscapes use only water efficient irrigation devices.	9/14/2023-Failed Deadline pursuant to Rule 61(a)(14). (Last location was INACTIVE FILE on 9/7/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1573	Friedman
AB 1597	Water quality: California-Mexico cross-border rivers	Would authorize, upon appropriation by the Legislature in the annual Budget Act or another statute, funds to be made available to the North American Development Bank (NADBank) for loans, grants, and direct expenditures to address water quality problems arising in the California-Mexico cross-border rivers. The bill would require the funding to be available for specified purposes, as provided, including water quality projects for the Tijuana River, and would make 10% of the funding available for the administrative costs of implementing these provisions. The bill would authorize funding provided for activities or projects in the State of Baja California to be provided through direct expenditures and for grants to an eligible funding recipient authorized to work in Mexico under a specified circumstance. The bill would authorize grant funding to be conditioned on enforceability and accountability mechanisms agreed upon by the North American Development Bank and the recipient, with the concurrence of the State Water Resources Control Board. The bill would require the California Environmental Protection Agency to notify the leadership office in each house of the Legislature on cross-border collaboration and the expenditure of the funding, as provided.	7/14/2023-Failed Deadline pursuant to Rule 61(a)(10). (Last location was E.Q. on 6/14/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1597	Alvarez
AB 1820	Housing development projects: applications: fees and exactions	Current law requires a housing development project be subject only to the ordinances, policies, and standards adopted and in effect when the preliminary application was submitted. This bill would authorize a development proponent that submits a preliminary application for a housing development project to request a preliminary fee and exaction estimate, as defined, and would require the local agency to provide the estimate within 10 business days of the submission of the preliminary application.	2/21/2024-Re-referred to Com. on H. & C.D	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1820	Schiavo

AB 1827	Local government: fees and charges: water: higher-consumptive water parcels	<p>The California Constitution specifies various requirements with respect to the levying of assessments and property-related fees and charges by a local agency, including requiring that the local agency provide public notice and a majority protest procedure in the case of assessments and submit property-related fees and charges for approval by property owners subject to the fee or charge or the electorate residing in the affected area following a public hearing. This bill would provide that the fees or charges for property-related water service imposed or increased, as specified, may include the incrementally higher costs of water service due to specified factors, including the higher water usage demand of parcels. The bill would provide that the costs associated with higher water usage demands, the maximum potential water use, or a projected peak water usage demand may be allocated using any method that reasonably assesses the water service provider's cost of serving those parcels that are increasing potential water usage demand, maximum potential water use, or project peak water use demand.</p>	1/29/2024-Referred to Com. on L. GOV.	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1827	Papan
AB 1851	Drinking water: schoolsites: lead testing pilot program	<p>Would require the Superintendent of Public Instruction, if an appropriation is made for this purpose, to establish a pilot program to test for and remediate lead contamination in drinking water at participating local educational agency facilities with plumbing that was installed before January 1, 2010. The bill would require the Superintendent to select no fewer than 6 and no more than 10 local educational agencies for participation in the pilot program and, if a selected local educational agency consents to participate in the pilot program, the bill would require the Superintendent to provide grants to the participating local educational agencies for testing and remediating drinking water lead levels at eligible facilities. If sampling results show lead levels in excess of 5 parts per billion for any potable water system outlet, the bill would require a participating local educational agency to notify the parents and guardians of pupils who attend the school of the elevated lead levels, as provided, to take immediate steps to shut down all potable water system outlets where excess lead levels may exist, and to ensure that a lead-free source of drinking water is provided for pupils at each potable water system outlet that has been shut down.</p>	3/12/2024-From committee chair, with author's amendments: Amend, and re-refer to Com. on E.S. & T.M. Read second time and amended.	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB1851	Holden
AB 2257	Local government: property-related water and sewer fees and assessments: remedies.	<p>The California Constitution specifies various requirements with respect to the levying of assessments and property-related fees and charges by a local agency. The California Constitution includes a public notice and a majority protest procedure in the case of assessments and procedures for submitting property-related fees and charges for approval by property owners subject to the fee or charge or to the electorate residing in the affected area following a public hearing. Current law, known as the Proposition 218 Omnibus Implementation Act, prescribes specific procedures and parameters for local jurisdictions to comply with these requirements. This bill would prohibit, if a local agency complies with specified procedures, a person or entity from bringing a judicial action or proceeding alleging noncompliance with the constitutional provisions for any new, increased, or extended fee or assessment, as defined, unless that person or entity has timely submitted to the local agency a written objection to that fee or assessment that specifies the grounds for alleging noncompliance, as specified.</p>	2/26/2024-Referred to Coms. on JUD. and L. GOV.	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB2257	Wilson
AB 3121	Urban retail water suppliers: written notice: conservation order: dates	<p>Current law authorizes the State Water Resources Control Board, on and after January 1, 2025, to issue a written notice to an urban retail water supplier that does not meet its urban water use objective. Current law authorizes the board, on and after January 1, 2026, to issue a conservation order to an urban retail water supplier that does not meet its urban water use objective. This bill would instead provide that the date the board is authorized to issue a written notice to January 1, 2026 and a conservation order to January 1, 2027.</p>	3/11/2024-Referred to Com. on W., P., & W.	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240AB3121	Hart
SB 23	Water supply and flood risk reduction projects: expedited permitting.	<p>Current law prohibits an entity from substantially diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake, except under specified conditions, including requiring the entity to send written notification to the Department of Fish and Wildlife regarding the activity in the manner prescribed by the department. This bill would require a project proponent, if already required to submit a notification to the department, to submit to the department the certified or adopted environmental review document, as applicable, for the activity in the notification. The bill would require the department, under prescribed circumstances, to take certain actions within specified timelines, or within a mutually agreed-to extension of time.</p>	2/1/2024-Returned to Secretary of Senate pursuant to Joint Rule 56.	https://leginfo.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB23	Caballero, Dodd

SB 57	Utilities: disconnection of residential service	<p>Would require an electrical corporation, local publicly owned electric utility, gas corporation, local publicly owned gas utility, water corporation, or local agency that owns a public water system to postpone the disconnection of a customer’s residential service for nonpayment of a delinquent account when the temperature will be 32 degrees Fahrenheit or cooler, or 95 degrees Fahrenheit or warmer, within the utility’s service area during the 24 hours after that service disconnection would occur, as specified. The bill would require each of those utilities to notify its residential ratepayers of that requirement and to create an online reporting system available through its internet website, if it has one, that enables its residential ratepayers to report when their utility service has been disconnected in violation of that requirement, as specified. The bill would require the PUC to establish a citation program to impose a penalty on an electrical corporation or gas corporation that violates that requirement, and require each local publicly owned electric utility and local publicly owned gas utility to annually report to the State Energy Resources Conservation and Development Commission the number of residential service connections it disconnected for nonpayment of a delinquent account. The bill would authorize the State Water Resources Control Board to enforce the requirement that a water corporation and local agency that owns a public water system postpone a disconnection of a customer’s residential service, as specified.</p>	2/1/2024-Returned to Secretary of Senate pursuant to Joint Rule 56.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB57	Gonzalez
SB 366	The California Water Plan: long-term supply targets	<p>Current law requires the Department of Water Resources to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as “The California Water Plan.” Current law requires the department to include a discussion of various strategies in the plan update, including, but not limited to, strategies relating to the development of new water storage facilities, water conservation, water recycling, desalination, conjunctive use, water transfers, and alternative pricing policies that may be pursued in order to meet the future needs of the state. Current law requires the department to establish an advisory committee to assist the department in updating the plan. This bill would revise and recast certain provisions regarding The California Water Plan to, among other things, require the department to instead establish a stakeholder advisory committee and to expand the membership of the committee to include tribes, labor, and environmental justice interests. The bill would require the department to coordinate with the California Water Commission, the State Water Resources Control Board, other state and federal agencies as appropriate, and the stakeholder advisory committee to develop a comprehensive plan for addressing the state’s water needs and meeting specified long-term water supply targets established by the bill for purposes of The California Water Plan. The bill would require the plan to provide recommendations and strategies to ensure enough water supply for all beneficial uses.</p>	7/14/2023-Failed Deadline pursuant to Rule 61(a)(10). (Last location was W.,P. & W. on 6/8/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB366	Caballero
SB 583	Salton Sea Conservancy	<p>Would establish the Salton Sea Conservancy within the Natural Resources Agency for specified purposes related to the Salton Sea region, including, among other things, to oversee the operation, maintenance, and management of projects to fulfill the state’s obligations as detailed in State Water Resources Control Board Order WR 2017-0134 and to acquire, hold, and manage land or property rights within the Salton Sea Region after restoration projects are built. The bill would require the conservancy to carry out programs, projects, and activities to further those purposes. The bill would require, by January 1, 2026, the conservancy to be governed by a board of directors composed of designated membership. The bill would set forth the powers, duties, and limitations of the board of directors and the conservancy, as provided. The bill would create the Salton Sea Conservancy Fund and would make moneys in the fund, including authorized proceeds from the sale of bonds and allocations from the Salton Sea Lithium Fund, available, upon appropriation by the Legislature, for purposes of the conservancy. By imposing new duties on local agencies, this bill would create a state-mandated local program.</p>	9/14/2023-Failed Deadline pursuant to Rule 61(a)(14). (Last location was INACTIVE FILE on 9/13/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB583	Padilla
SB 597	Building standards: rainwater catchment systems	<p>Current law makes the California Building Standards Commission responsible for the publication of an updated edition of the California Building Standards Code every 3 years. This bill would require the department to conduct research and develop recommendations regarding building standards for the installation of rainwater catchment systems in newly constructed residential dwellings and would authorize the department to propose related building standards to the commission for consideration, as specified. The bill would authorize the department to expend moneys from the Building Standards Administration Special Revolving Fund for the above-described purposes, upon appropriation by the Legislature, as specified. The bill would require the department, on or before January 1, 2025, to provide a report to specified committees of the Legislature regarding the outcomes of its research and the recommendations developed.</p>	9/1/2023-Failed Deadline pursuant to Rule 61(a)(11). (Last location was APPR. SUSPENSE FILE on 7/12/2023)(May be acted upon Jan 2024)	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB597	Glazer
SB 638	Climate Resiliency and Flood Protection Bond Act of 2024	<p>Would enact the Climate Resiliency and Flood Protection Bond Act of 2024 which, if approved by the voters, would authorize the issuance of bonds in the amount of \$6,000,000,000 pursuant to the State General Obligation Bond Law, for flood protection and climate resiliency projects.</p>	7/6/2023-July 11 hearing postponed by committee.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB638	Eggman

SB 687	Water Quality Control Plan: Delta Conveyance Project	<p>Would require the State Water Resources Control Board to adopt a final update of the 1995 Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary, as provided, before the board may consider a change in point diversion or any other water rights permit or order for the Delta Conveyance Project. The bill would also, if, after completing the update of the plan and in compliance with existing law, the board approves a change in point of diversion or any other water rights permit or order associated with the Delta Conveyance Project, prohibit the operation of the Delta Conveyance Project unless and until the updated plan is fully implemented. The bill would specify that these provisions do not constitute an authorization for or approval of funding for the Delta Conveyance Project or any other project that includes isolated Delta conveyance facilities, and do not reduce any statutory or other regulatory conditions or permit requirements for Delta conveyance projects.</p>	2/1/2024-Returned to Secretary of Senate pursuant to Joint Rule 56.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=2023202405B687	Eggman
SB 867	<p>drought, flood, and water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and</p>	<p>Would enact the Drought, Flood, and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, Park Creation and Outdoor Access, and Clean Energy Bond Act of 2024, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$15,500,000,000 pursuant to the State General Obligation Bond Law to finance projects for drought, flood, and water resilience, wildfire and forest resilience, coastal resilience, extreme heat mitigation, biodiversity and nature-based climate solutions, climate smart agriculture, park creation and outdoor access, and clean energy programs.</p>	7/6/2023-July 10 hearing postponed by committee.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=2023202405B867	Allen
SB 937	Development projects: permits and other entitlements: fees and charges	<p>The Planning and Zoning Law requires each county and each city to adopt a comprehensive, long-term general plan for its physical development, and the development of specified land outside its boundaries, that includes, among other mandatory elements, a housing element. The Permit Streamlining Act, among other things, requires a public agency that is the lead agency for a development project to approve or disapprove that project within specified time periods. Current law extended by 18 months the period for the expiration, effectuation, or utilization of a housing entitlement, as defined, that was issued before, and was in effect on, March 4, 2020, and that would expire before December 31, 2021, except as specified. Current law provides that if the state or a local agency extended the otherwise applicable time for the expiration, effectuation, or utilization of a housing entitlement for not less than 18 months, as specified, that housing entitlement would not be extended an additional 18 months pursuant to these provisions. This bill would extend by 18 months the period for the expiration, effectuation, or utilization of a housing entitlement, as defined, that was issued before January 1, 2024, and that will expire before December 31, 2025, except as specified. The bill would toll this 18-month extension during any time that the housing entitlement is the subject of a legal challenge.</p>	2/21/2024-Referred to Coms. on L. GOV. and HOUSING.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=2023202405B937	Wiener
SB 1072	Local government: Proposition 218: remedies.	<p>The California Constitution sets forth various requirements for the imposition of local taxes. The California Constitution excludes from classification as a tax assessments and property-related fees imposed in accordance with provisions of the California Constitution that establish requirements for those assessments and property-related fees. Under these requirements, an assessment is prohibited from being imposed on any parcel if it exceeds the reasonable cost of the proportional special benefit conferred on that parcel, and a fee or charge imposed on any parcel or person as an incident of property ownership is prohibited from exceeding the proportional cost of the service attributable to the parcel. This bill would require, if a property-related fee or charge creates revenues in excess of the local government's reasonable cost of providing the specific benefit or specific government service, that the excess revenues be used only to reduce the subsequently adopted and following property-related fee or charge. The bill would declare that this provision is declaratory of existing law.</p>	2/21/2024-Referred to Com. on L. GOV.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=2023202405B1072	Padilla
SB 1147	Drinking water: bottled water: microplastics levels	<p>Would require, among other things, the Office of Environmental Health Hazard Assessment (OEHHA) to study the health impacts of microplastics in drinking water, including bottled water, in order to evaluate and identify safe and unsafe levels of microplastics in those types of water, and, on or before January 1, 2026, to develop and deliver to the State Water Resources Control Board, among other things, public health standards and goals for a safe level of microplastics in those waters. The bill would require the state board, on or before January 1, 2028, to adopt and implement those public health standards and goals developed and delivered by OEHHA, and to provide those public health standards and goals to local water agencies, along with other specified information provided by OEHHA. The bill would also require the state board to establish testing and reporting requirements for an annual testing of microplastics in bottled water sold in or into this state, as specified.</p>	2/21/2024-Referred to Com. on E.Q.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=2023202405B1147	Portantino

SB 1156	Groundwater sustainability agencies: financial disclosures.	<p>The Sustainable Groundwater Management Act requires all groundwater basins designated as high- or medium-priority basins by the Department of Water Resources to be managed under a groundwater sustainability plan or coordinated groundwater sustainability plans, except as specified. Existing law requires a groundwater sustainability plan to be developed and implemented for each medium- or high-priority basin by a groundwater sustainability agency. Current law authorizes any local agency or combination of local agencies overlying a groundwater basin to decide to become a groundwater sustainability agency for that basin, as provided. Current provisions of the Political Reform Act of 1974 prohibit a public official from making, participating in making, or attempting to use their official position to influence a governmental decision in which they know or have reason to know that they have a financial interest, as defined. However, current law permits a public official to make or participate in the making of a governmental decision, even if the public official knows or has reason to know that the official has a financial interest, if the official's participation is legally required for the action or decision to be made. Current law makes a knowing or willful violation of the act a misdemeanor and subjects offenders to criminal penalties. This bill would require members of the executive team, board of directors, and other groundwater management decision makers of groundwater sustainability agencies to annually disclose any economic or financial interests pursuant to the Political Reform Act of 1974 that may reasonably be considered to affect their decision-making related to groundwater management, as provided.</p>	3/1/2024-Set for hearing April 9	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB1156	McKinnor	Letter of support submitted 3/25/2024
SB 1210	New housing construction: electrical, gas, sewer, and water service connections: charges	<p>Current law defines the term "public utility" for certain purposes to include, among other corporations, every gas corporation, electrical corporation, water corporation, and sewer system corporation, where the service is performed for, or the commodity is delivered to, the public or any portion thereof. This bill would, for new housing construction, prohibit a connection, capacity, or other point of connection charge from a public utility, as defined, or a special district, as defined, for electrical, gas, sewer, or water service from exceeding 1% of the reported building permit value of that housing unit. The bill would require a public utility or special district to issue an above-described charge over a period of at least 10 years commencing on the date when the housing unit is first occupied, as specified. The bill would require a public utility to publicly report on its internet website the amount of any charge issued each year pursuant the above-described provision by the housing unit's address.</p>	2/29/2024-Referred to Coms. on E., U. & C. and L. GOV.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB1210	Skinner	See SMUA/ACWA Letter / MSWD Letter of opposition submitted 3/25/2024
SB 1330	Urban retail water supplier: water use	<p>Current law requires the Department of Water Resources, in coordination with the State Water Resources Control Board, to conduct necessary studies and investigations, and recommend for adoption by the board appropriate variances for unique uses that can have a material effect on an urban retail water supplier's urban water use objective. Current law requires the department, in recommending variances, to also recommend a threshold of significance for each recommended variance. Current law requires an urban retail water supplier to request and receive approval by the board for inclusion of a variance in calculating their water use objective. Current law requires the board to post specified information on its internet website relating to variances, including a list of all urban retail water suppliers with approved variances. This bill would require the board to adopt variances recommended by the department for unique uses that can have a material effect on an urban retail water supplier's urban water use objective. The bill would provide that variances adopted by the board shall not be subject to a threshold of significance. The bill would require an urban retail water supplier to self-certify the amount of water included in its urban water use objective that is attributable to a variance. The bill would require the board to randomly audit a select number of variances each year to ensure the self-certifications are based on variances adopted by the board.</p>	2/29/2024-Referred to Com. on N.R. & W.	https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=202320240SB1330	Archuleta	



MSWD Digital Marketing & Website Report

Website, Social, and Marketing Performance

Mar 1 - 31, 2024

Casey Dolan

Google Ads Campaigns

 **Impressions**
MSWD

48,433

 **Clicks**
MSWD

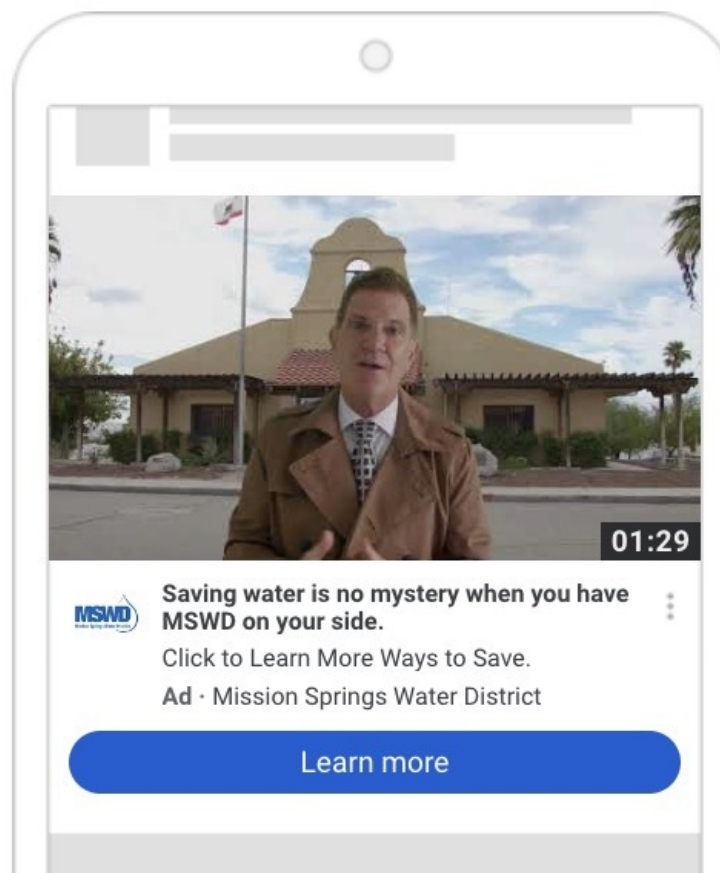
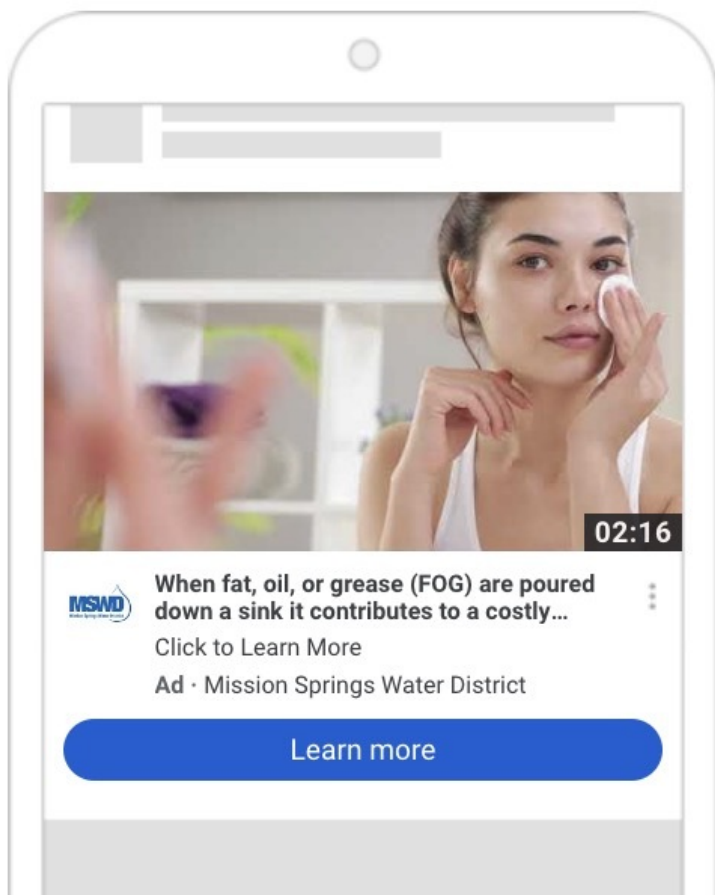
877

 **CTR**
MSWD

1.81%

 **GOOGLE ADS CAMPAIGN PERFORMANCE**
MSWD

Ad group	Impr.	Clicks	CTR
MSWDFogs Video	36,964	663	1.79%
MSWD Vanishing Visitor Video	11,469	214	1.87%
	48,433	877	1.81%



Meta Campaign Performance

Includes Facebook and Instagram campaigns

Campaign performance

Campaign	Link Clicks	Impr.	Reach	Page Likes
MSWD Water Low Income Assistance March 2024	199	30,329	8,443	0
MSWD March Video Campaigns -2024	93	131,428	79,560	0
	292	161,757	82,838	0

Mission Springs Water District Sponsored ·

Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill. The [...See more](#)

BILL PAY ASSISTANCE AVAILABLE

Learn about our **FREE** signup events

capriverside.org
Low Income Water Assistance Program [Learn more](#)

Mission Springs Water District Sponsored ·

Saving water is no mystery when you have MSWD on your side. Check out this fun video and learn ways to save! [...See more](#)

mswd.org
MSWD - Vanishing Visitor
Mission Springs Water Di... [Learn more](#)

Like Comment Share

Mission Springs Water District Sponsored ·

You may not know it, but every time you pour fat, oil, or grease (FOG) down your sink (e.g., bacon grease), you are contributing [...See more](#)

mswd.org
Don't Let Wipes or FOGS Become Clogs [Learn more](#)

14 2 comments 3 shares

Like Comment Share

Website Information

Users
www.mswd.org - http://www.msw...

6,251

Views
www.mswd.org - http://www.msw...

20,766

Engaged sessions
www.mswd.org - http://www.msw...

6,049

Users by Day
www.mswd.org - http://www.mswd.org - GA4

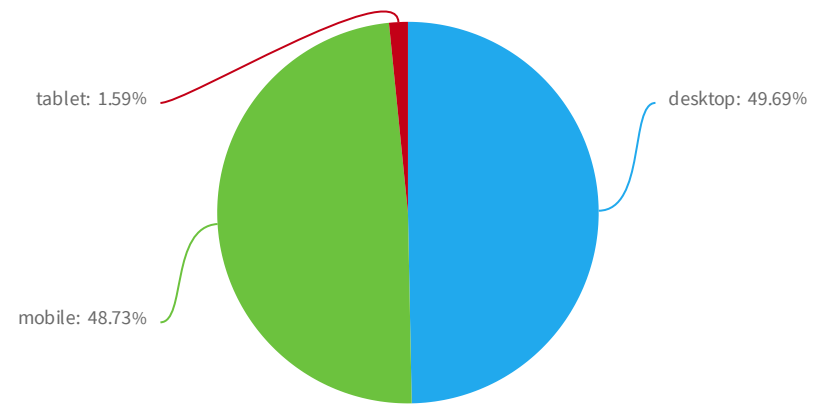


Page Title performance
www.mswd.org - http://www.mswd.org - GA4

Page Title	Views	Views per user	Users	Engaged sessions	Sessions per User	Average engagement time
Home Page Mission Springs, CA Water District	5,213	1.55	3,342	4,003	1.34	19s
New Customer Portal Mission Springs, CA Water District	4,325	1.59	2,700	3,252	1.36	15s
Online Payment System Mission Springs, CA Water District	1,256	1.61	781	686	1.18	26s
Job Opportunities Mission Springs, CA Water District	1,017	2.61	387	535	1.68	24s
Bill Pay Options Mission Springs, CA Water District	930	1.38	673	616	1.18	29s
Video: Protecting Your Pipes Mission Springs, CA Water District	770	1.32	575	193	1.23	15s
Careers Mission Springs, CA Water District	574	1.82	315	448	1.57	20s
Search Mission Springs, CA Water District	360	2.26	159	180	1.21	44s
(not set)	349	0.16	2,246	168	1.21	0s
Application for Water Service Mission Springs, CA Water District	332	1.93	169	217	1.59	3m 44s
	20,339	3.27	6,156	5,980	1.49	58s

Engaged sessions by Device category

www.mswd.org - http://www.mswd.org - GA4



Users by City

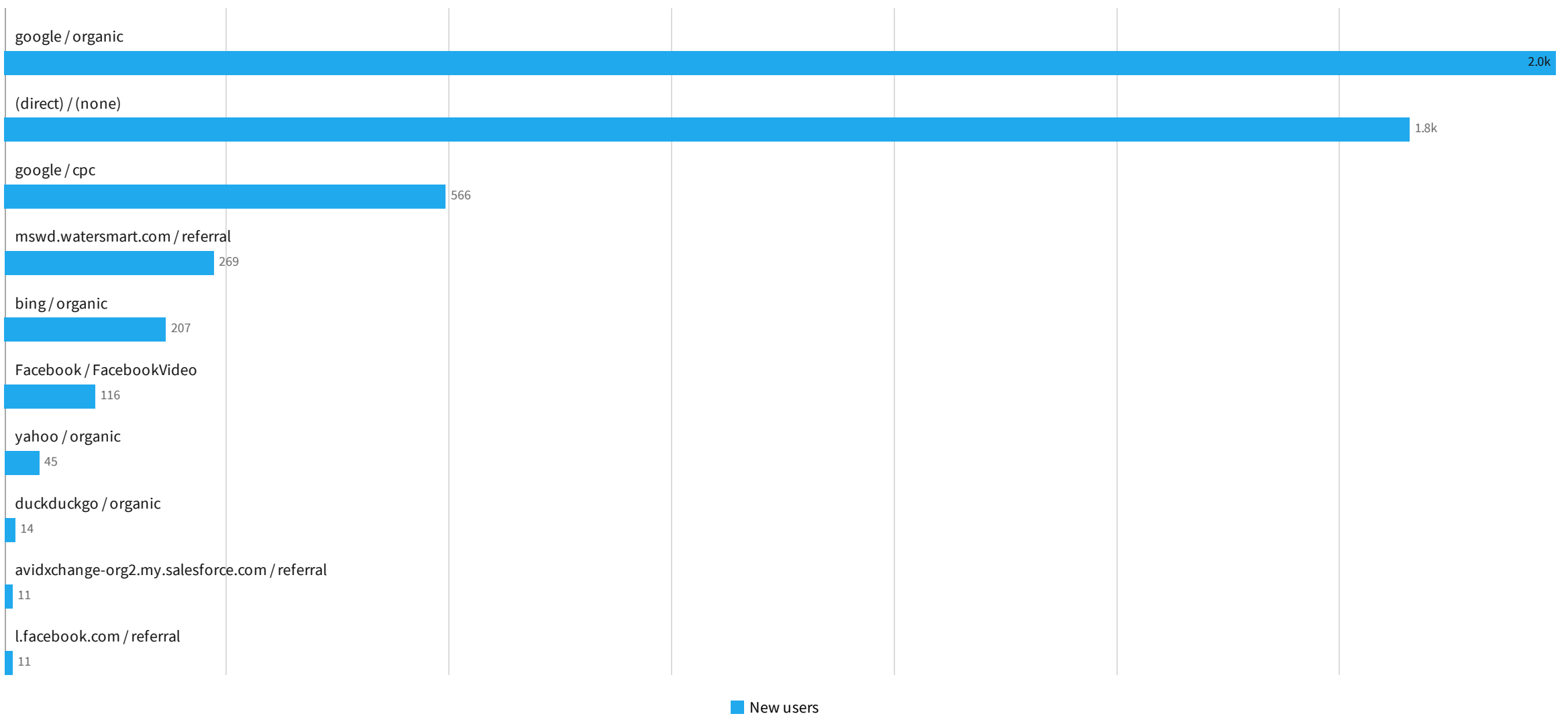
www.mswd.org - http://www.mswd.org - GA4

City	Users
Desert Hot Springs	1,415
Los Angeles	1,303
(not set)	287
Indio	258
San Diego	217
Riverside	181
(not set)	175
La Quinta	151
Palm Springs	125
Palm Desert	77
	6,251



New users by First user source / medium

www.mswd.org - http://www.mswd.org - GA4





CVWC Digital Marketing Report Website, Social, and Marketing Performance

Mar 1 - 31, 2024

by Hunter | Johnsen

Google Ads Campaigns

DISPLAY AD IMPRESSIONS
CV Water Counts

395.59K

SEARCH AD IMPRESSIONS
CV Water Counts

2,513

VIDEO IMPRESSIONS
CV Water Counts

76,013

Clicks
CV Water Counts

3,495

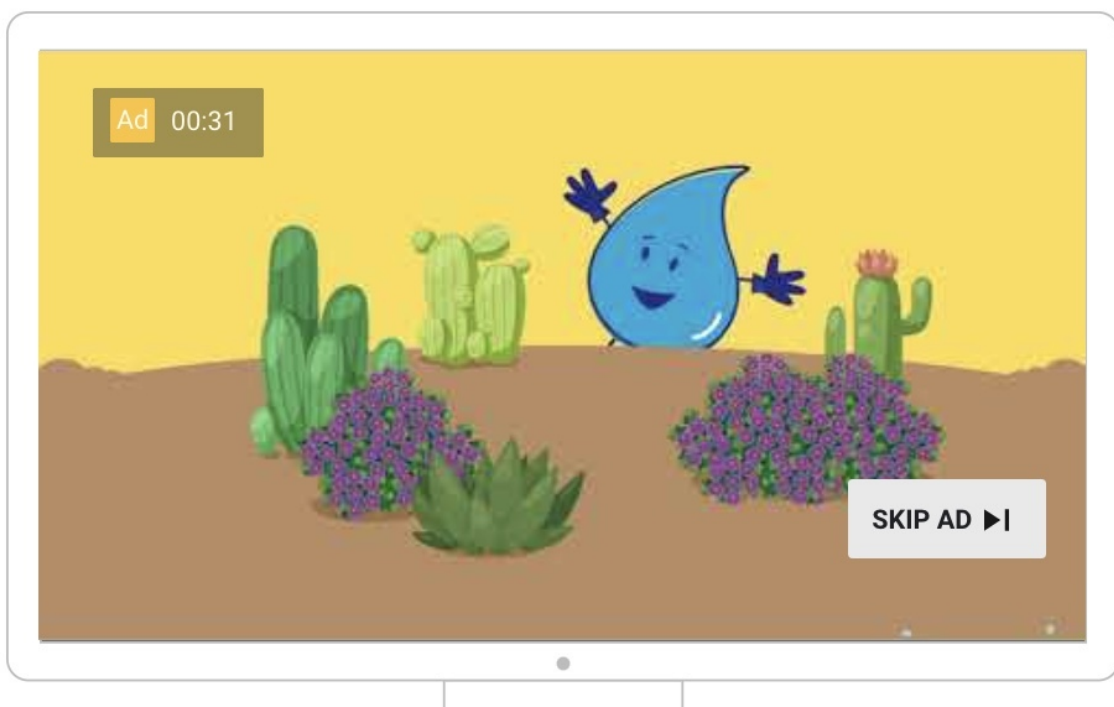
GOOGLE PROGRAMMATIC DISPLAY AD CAMPAIGN PERFORMANCE
CV Water Counts

Campaign name	Clicks	Impr.
CV Water Counts March 2024 Spanish	1,553	208,795
CV Water Counts March - 2024	1,614	186,795
	3,167	395,590



GOOGLE YOUTUBE VIDEO AD CAMPAIGN PERFORMANCE
CV Water Counts

Account name	Impr.	Engagements	Video views	Clicks
CV Water Counts	76,013	27,187	12,390	175
CVWC Water Saving Tips YouTube Spanish March, 2024	34,883	13,831	7,819	47
CVWC Water Saving Tips English YouTube March, 2024	41,130	13,356	4,571	128
	76,013	27,187	12,390	175



GOOGLE ADS PAID SEARCH CAMPAIGN PERFORMANCE
CV Water Counts

Campaign	Clicks	Impr.
CVWC Search Campaigns	153	2,513
	153	2,513

Item 26.


Campaign	Clicks	Impr.
	153	2,513

Facebook Ad Campaigns



FACEBOOK AD PERFORMANCE

Hunter Johnsen

Ad preview	Link Clicks	Impr.	Reach	Frequency	Page engagement
 <p>CVWC - March 2024 www.instagram.com Conservation Tip of the Month: Use a broom instead of a hose to clean your patio, sidewalk and driveway, and save on average 6 gallons every minute.</p>	534	86,719	35,558	2.44	553
	534	86,719	35,558	2.44	553

Website Information

Users
CV Water - CV Water Counts - GA4

3,617

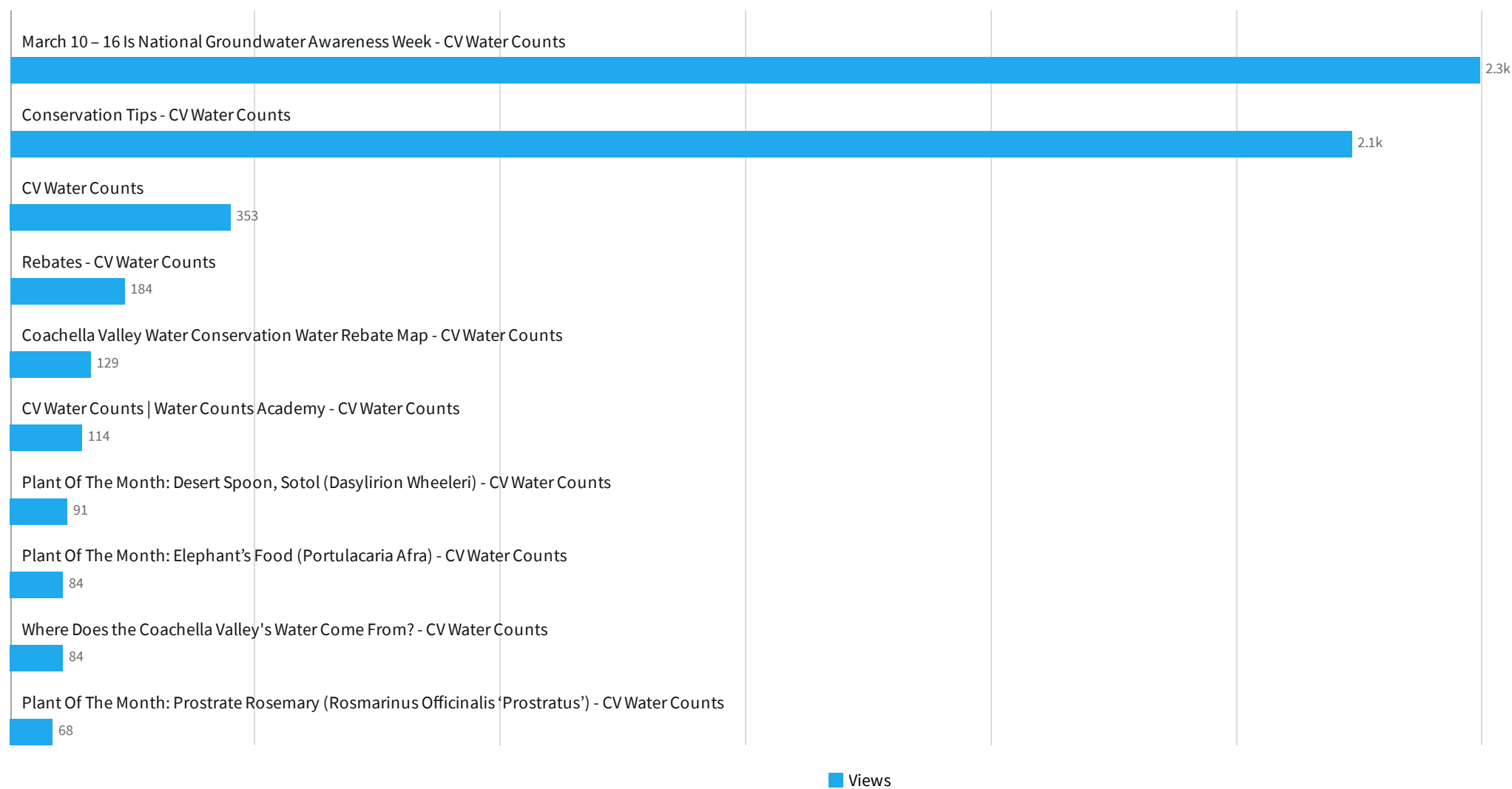
Sessions
CV Water - CV Water Counts - GA4

5,016

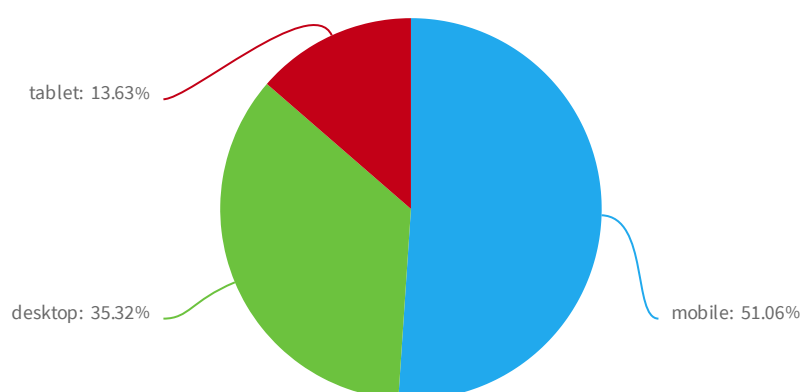
PAGEVIEWS
CV Water - CV Water Counts - GA4

6,505

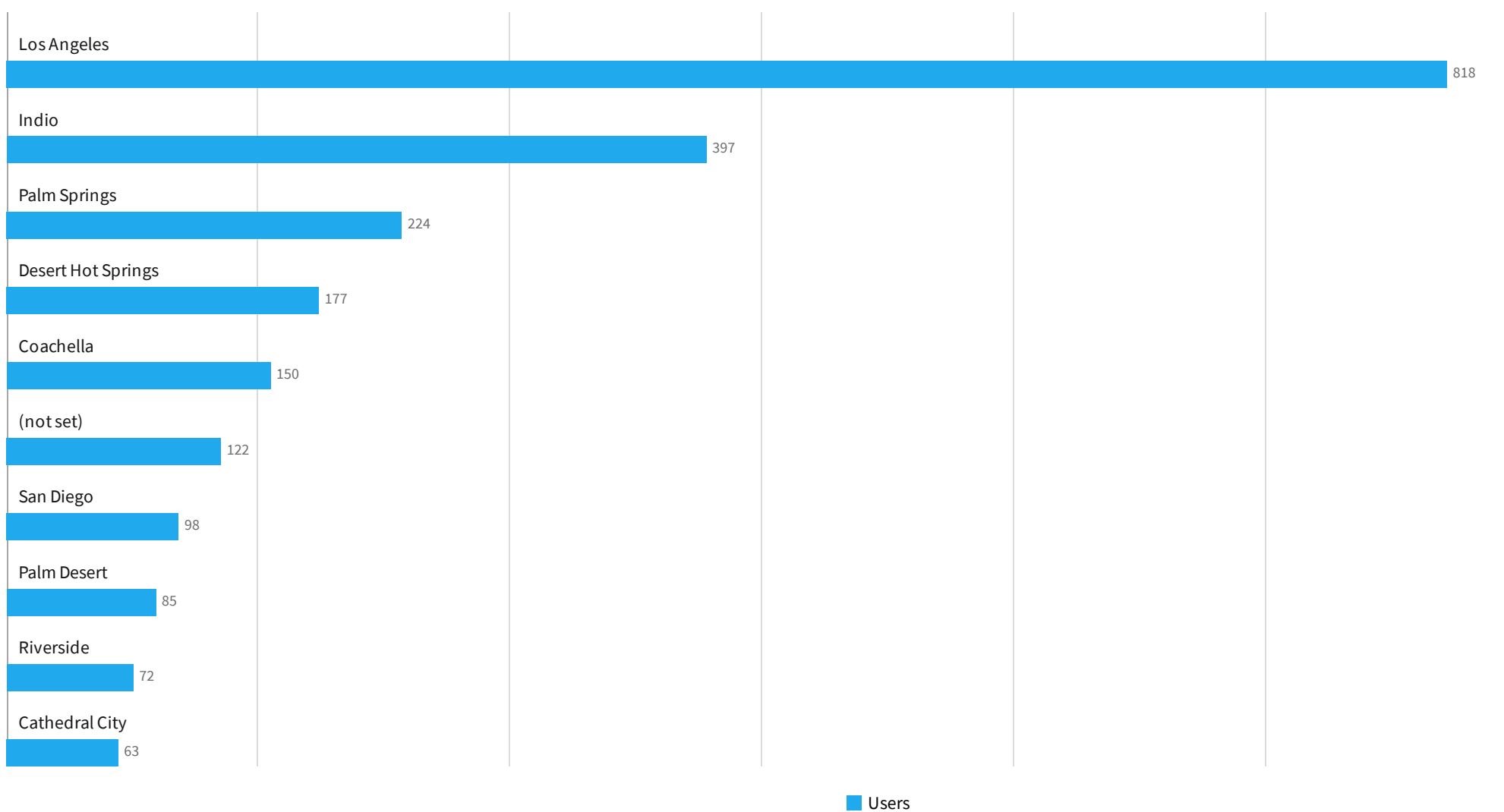
Views by Page title and screen class
CV Water - CV Water Counts - GA4



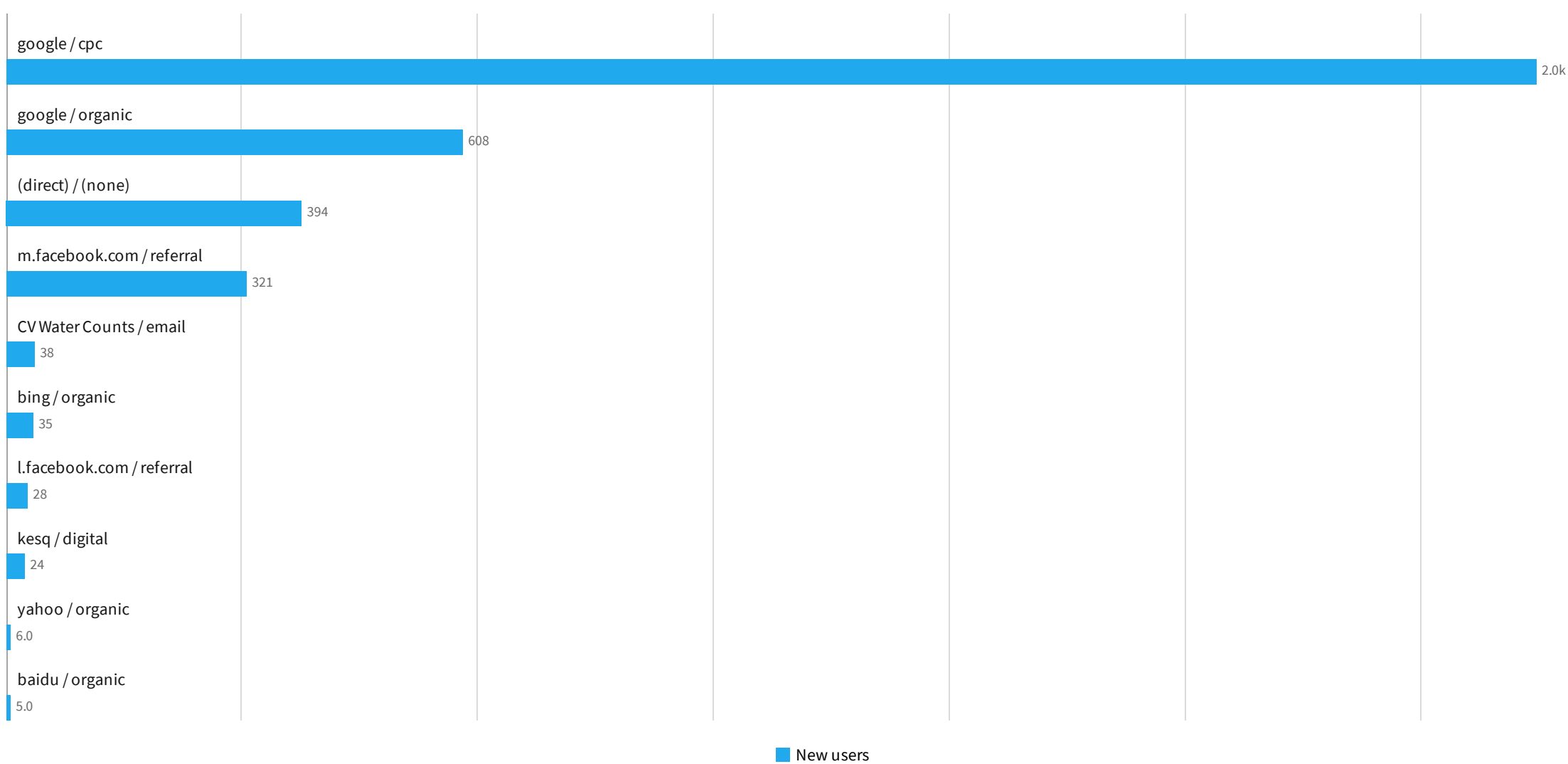
Engaged sessions by Device category
CV Water - CV Water Counts - GA4



Users by City
CV Water - CV Water Counts - GA4



New users by First user source / medium
CV Water - CV Water Counts - GA4



Month performance
Past 6 months: CV Water - CV Water Counts - GA4

Month	New users	Engaged sessions	Engagement rate	Sessions per User	Average engagement time
March 2024	3,534	1,275	25.4%	1.39	13s
February 2024	3,512	1,334	26.3%	1.4	14s
January 2024	3,803	1,246	25.4%	1.27	19s
December 2023	2,626	909	24.6%	1.37	15s
November 2023	2,046	674	23.0%	1.4	14s
October 2023	1,751	562	24.8%	1.26	15s
	17,272	6,034	25.3%	1.36	15s

Organic Search

Query performance

cvwatercounts.com/


Query	Impr.	Clicks	CTR	Avg. position
phoenix dactylifera	2,187	0	0%	2.72
prostrate rosemary	1,625	33	2.03%	2.05
elephant food	1,509	7	0.46%	3.3
artichoke agave	1,411	11	0.78%	1.43
creeping rosemary	1,297	7	0.54%	9.45
sotol plant	1,282	13	1.01%	6.75
agave geminiflora	980	15	1.53%	4.09
lake cahuilla	953	2	0.21%	9.77
cleveland sage	820	1	0.12%	1.31
agave parryi	783	1	0.13%	1.2
	12,847	90	0.7%	4.21

Page performance

cvwatercounts.com/

Page	Impr.	Clicks	CTR	Avg. position
https://cvwatercounts.com/plant-of-the-month-date-palm-phoenix-dactylifera/	5,075	23	0.45%	4.58
https://cvwatercounts.com/plant-of-the-month-desert-spoon-sotol-dasyliion-wheeleri/	4,699	62	1.32%	5.66
https://cvwatercounts.com/plant-of-the-month-prostrate-rosemary-rosmarinus-officinalis-prostratus/	4,673	64	1.37%	6.63
https://cvwatercounts.com/plant-of-the-month-artichoke-agave-agave-parryi-v-truncata/	3,975	19	0.48%	6.15
https://cvwatercounts.com/plant-of-the-month-elephants-food-portulacaria-afra/	3,817	22	0.58%	5.46
https://cvwatercounts.com/plant-of-the-month-twin-flowered-agave-agave-geminiflora/	2,178	32	1.47%	5.91
https://cvwatercounts.com/plant-of-the-month-red-bird-of-paradise-caesalpinia-pulcherrima/	2,010	22	1.09%	5.29
https://cvwatercounts.com/save-water-pledge/	1,956	7	0.36%	4.84
https://cvwatercounts.com/lake-cahuilla-recreation-and-reliability/	1,893	10	0.53%	11.24
https://cvwatercounts.com/plant-of-the-month-cleveland-sage-chaparral-sage-salvia-clevelandii/	1,883	5	0.27%	3.05
	32,159	266	0.83%	5.88


Facebook Information

 **Impressions**
CV Water Counts


85,810

 **Reach**
CV Water Counts


37,032

 **New page likes**
CV Water Counts

1

 **Post engagement**
CV Water Counts


607






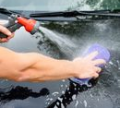


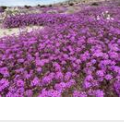


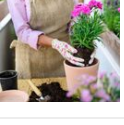
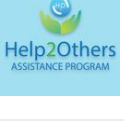
 **Total page views**
CV Water Counts





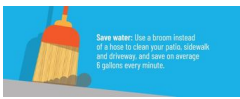
144

 **Page likes**
CV Water Counts


3,990

 **Post performance**
CV Water Counts

Post	Created at	Reach	Post engaged users	Likes
 Myoma Dunes Mutual Water Company (MDMWC) continues to provide clean and reliable drinking water to its customers, and has been for more than seven decades. Learn more:	March 30, 2024	17	2	2
 Wash your pets outdoors, in an area of your lawn that needs water. For more water-saving tips, visit CVWaterCounts.com/conservation-tips. #WaterWiseWednesday	March 29, 2024	39	2	2
 For more water-saving tips, visit CVWaterCounts.com/conservation-tips. #WaterWiseWednesday	March 28, 2024	21	2	2
 Reduce the amount of lawn in your yard by planting shrubs and ground covers appropriate to your site and region. Your water agency may offer rebates that help you replace everything from turf to irrigation...	March 25, 2024	17	2	2
 Today is World Water Day. To find out more, visit UN.org/World Water Day	March 22, 2024	35	2	2
 Use an automatic shutoff nozzle while you wash your car. You could save up to 70 gallons per wash. For more water-saving tips, visit CVWaterCounts.com/conservation-tips....	March 21, 2024	43	2	2
 There are things you can do on your own to see if you have a leak. Here are a few simple things you can do:	March 18, 2024	20	2	2
 Happy St. Paddy's Day! #StPatricksDay #StPaddysDay	March 17, 2024	53	3	2
 You may have noticed patches of purple wildflowers popping up throughout the Coachella Valley recently. Along roadsides, in vacant lots, and around sandy washes and hills, miles of native sand verberna are...	March 15, 2024	18	2	2
 Much of the water we use comes from the ground. March 10-16 is the time to learn more about the importance of groundwater, the threats to its safety, and how to protect its sources during Groundwater...	March 13, 2024	18	2	2
 When cleaning out fish tanks, give the nutrient-rich water to your non-edible plants. For more water-saving tips, visit CVWaterCounts.com/conservation-tips. #WaterWiseWednesday	March 13, 2024	38	2	2
 Today is National Plant a Flower Day	March 13, 2024	34	2	2
 If you or someone you know is in need of water bill assistance during this difficult time, applications are being accepted now for the Help2Others Assistance Program online. Click here for details and to fill out ...	March 8, 2024	37	3	2
		36,712	585	51

Post	Created at	Reach	Post engaged users	Likes
 <p>Showers under 5 minutes can save 12.5 gallons each time when using a water-efficient showerhead. For more water-saving tips, visit CVWaterCounts.com/conservation-tips....</p>	March 7, 2024	53	2	2
 <p>https://www.facebook.com/529183852552636/posts/</p>	March 6, 2024	67	8	4
 <p>During the month of March in our desert, the best times to water your plants are during non-daylight hours, when it's cooler. If you have a spray system, watering for 7 minutes a day, 5 days a week is...</p>	March 4, 2024	59	5	3
 <p>Conservation Tip of the Month: Use a broom instead of a hose to clean your patio, sidewalk and driveway, and save on average 6 gallons every minute.</p>	March 1, 2024	36,112	542	14
 <p>CV Water Counts updated their cover photo. https://www.facebook.com/cwwatercounts</p>	March 1, 2024	31	0	2
		36,712	585	51


Instagram Information

 **Impressions**
CV Water Counts


2,839





 **Likes**
CV Water Counts

9

 **Followers (lifetime)**
CV Water Counts

244

 **Post performance**
CV Water Counts

Post	Impr.	Engagement	Reach	Saved	Video views
 <p>Happy St. Paddy's Day! #StPatricksDay #StPaddysDay</p>	24	4	22	0	0
 <p>Conservation Tip of the Month: Use a broom instead of a hose to clean your patio, sidewalk and driveway, and save on average 6 gallons every minute.</p>	19	2	16	0	0
 <p>If you or someone you know is in need of water bill assistance during this difficult time, applications are being accepted now for the Help2Others Assistance Program online. For details and to fill out an online...</p>	18	1	16	0	0
 <p>For more water-saving tips, visit our link bio. #WaterWiseWednesday</p>	0	4	13	0	17
	61	11	67	0	17

E-Blast Information

Campaign performance

CV Water Counts

Campaign	Send Time	Emails Sent	Total Opens	Open Rate	Industry Open Rate	Total Clicks	Click Rate	Industry Click Rate	Hard Bounces	Unsubscribe Count
CV Water Counts March 2024	Wednesday, March 6, 2024 10:45 PM	756	841	61.64%	17.88%	154	8.99%	0.87%	1	2
		756	841	61.64%	17.88%	154	8.99%	0.87%	1	2




Facebook Account Overview (March 1 - 31, 2024)

<p>Posts Published</p> <p style="font-size: 2em; font-weight: bold;">16</p> <p style="color: green; font-size: 0.8em;">+2 14.3%</p>	<p>Total Likes</p> <p style="font-size: 2em; font-weight: bold;">1,235</p> <p style="color: green; font-size: 0.8em;">+1 0.1%</p>	<p>New Likes</p> <p style="font-size: 2em; font-weight: bold;">2</p> <p style="color: red; font-size: 0.8em;">-3 -60.0%</p>	<p>Unlikes</p> <p style="font-size: 2em; font-weight: bold;">1</p> <p style="color: red; font-size: 0.8em;">+1</p>
---	---	---	--




<p>Total Reach</p> <p style="font-size: 2em; font-weight: bold;">66,983</p> <p style="color: red; font-size: 0.8em;">-22,042 -24.8%</p>	<p>Organic Reach</p> <p style="font-size: 2em; font-weight: bold;">3,336</p> <p style="color: green; font-size: 0.8em;">+760 29.5%</p>	<p>Paid Reach</p> <p style="font-size: 2em; font-weight: bold;">63,843</p> <p style="color: red; font-size: 0.8em;">-22,829 -26.3%</p>	<p>Impressions</p> <p style="font-size: 2em; font-weight: bold;">79,234</p> <p style="color: red; font-size: 0.8em;">-27,668 -25.9%</p>	<p>Video Views</p> <p style="font-size: 2em; font-weight: bold;">11,619</p> <p style="color: green; font-size: 0.8em;">+5,652 94.7%</p>
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3 Most Engaging Posts	3 Highest Reach Posts	3 Most Shared Posts
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>Join us tomorrow for our monthly Water Talk, where we wil...</p> </div> <div style="width: 20%; text-align: right;"> <p>23.08%</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>MSWD was proud to celebrate DHS resident Linda Crowson an...</p> </div> <div style="width: 20%; text-align: right;"> <p>+3 490</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are ava...</p> </div> <div style="width: 20%; text-align: right;"> <p>2</p> </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>News Release: SP & AGM News Release: MSWD Announces New Strategic Plan and App...</p> </div> <div style="width: 20%; text-align: right;"> <p>17.48%</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are ava...</p> </div> <div style="width: 20%; text-align: right;"> <p>190</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>MSWD was proud to celebrate DHS resident Linda Crowson an...</p> </div> <div style="width: 20%; text-align: right;"> <p>+3 2</p> </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>St. Patty Day Wishing you a happy and safe Saint Patrick's Day! 🍀 #staysafe</p> </div> <div style="width: 20%; text-align: right;"> <p>17.17%</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>St. Patty Day Wishing you a happy and safe Saint Patrick's Day! 🍀 #staysafe</p> </div> <div style="width: 20%; text-align: right;"> <p>185</p> </div> </div>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 70%;"> <p>Water Talks Mar 27 JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATE...</p> </div> <div style="width: 20%; text-align: right;"> <p>1</p> </div> </div>

3 Least Engaging Posts




	LIHWAP Program Need help with your water bill? #LIHWAP funds are here ...	3.64%
	World Water Day Happy World Water Day! Today, we celebrate the unsung h...	3.85%
	LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are ava...	4.74%

3 Lowest Reach Posts

	Join us tomorrow for our monthly Water Talk, where we wil...	26
	Article 6 Update To better serve our industrial wastewater users and ex...	59
	Happy Easter Happy Easter from MSWD! We hope you and your family hav...	65

3 Least Shared Posts

Item 26.

	Happy Easter Happy Easter from MSWD! We hope you and your family hav...	0
		0
	Join us tomorrow for our monthly Water Talk, where we wil...	0

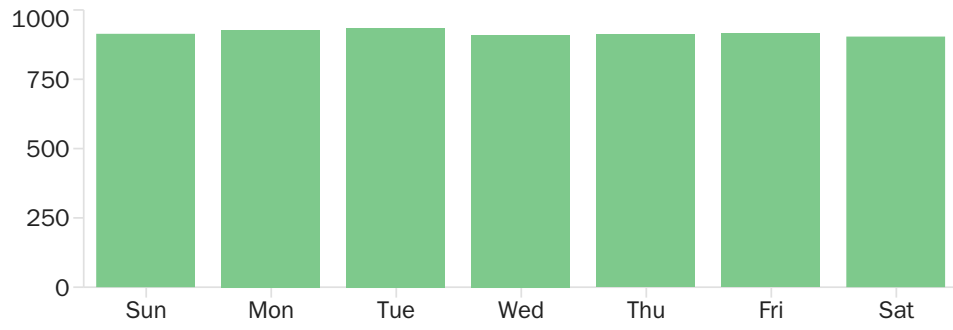
Likes By Country

1. United States of America (1,203 likes)
2. Mexico (13 likes)
3. France (4 likes)
4. India (2 likes)
5. Sierra Leone (1 like)

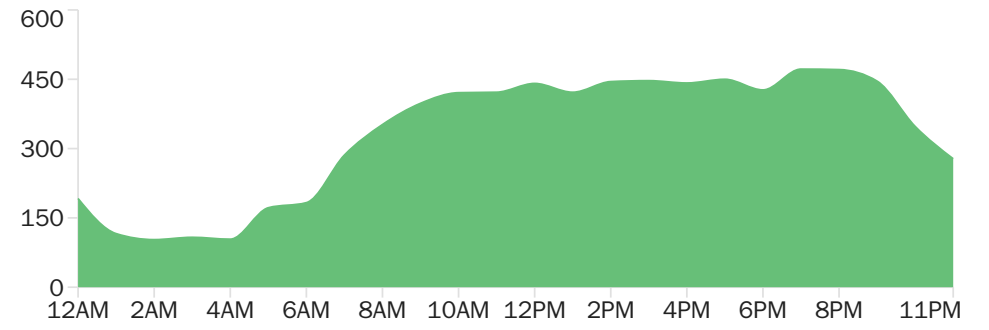
Likes By City

1. Desert Hot Springs, CA (568 likes)
2. Indio, CA (64 likes)
3. Palm Springs, CA (49 likes)
4. Cathedral City, CA (48 likes)
5. La Quinta, CA (48 likes)

Days your fans are online











Hours fans are online






















Item 26.





Facebook Post Metrics (March 1 - 31, 2024)









Item 26.



Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Video Views
March 31, 2024 8:09 PM PDT	 Image	 <p>Happy Easter 🐰 Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣</p>	Event	65	5	7.69%	7	0	0	1	0
March 28, 2024 6:52 PM PDT	 Multi-Image	 <p>+3</p> <p>MSWD was proud to celebrate DHS resident Linda Crowson and her fellow Senior Inspiration award winners today. Thank you all for what you do for our Coachella Valley community ❤️</p>		490	66	13.47%	31	0	2	73	0
March 27, 2024 5:00 PM PDT	 Video			99	17	17.17%	11	2	0	18	115
March 26, 2024 11:07 AM PDT	 Link	 <p>Join us tomorrow for our monthly Water Talk, where we will host a special guest, Jerry Brown, the executive director of the exciting Sites Reservoir project. March 27 from 5-6 p.m. at the DHS Libr...</p>		26	6	23.08%	6	0	0	0	0

Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Item 26.
March 23, 2024 10:08 AM PDT	 Multi-Image	 <p>+1</p> <p> DC Trip 🌊👉 We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, and the U.S. Army Corps of Engineer... </p>		74	12	16.22%	7	0	0	11	0
March 22, 2024 7:08 PM PDT	 Image	 <p> World Water Day Happy World Water Day! 🌊 Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean water. From engineers designing innovative water treatment systems to utility wo... </p>		78	3	3.85%	6	0	0	0	0
March 20, 2024 9:14 PM PDT	 Simple Status			70	6	8.57%	4	1	0	3	0

Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Item 26.
March 20, 2024 8:08 AM PDT	 Image	 <p>Fix A Leak Week  Did you know? It's National Fix A Leak Week!   Leaks might seem small, but they add up to big water waste! The average household's leaks can waste nearly 10,000 gallons of water yearly—enough ...</p>	FOG/Wipes	110	14	12.73%	9	1	1	5	0
March 18, 2024 8:22 PM PDT	 Image	 <p>News Release: SP & AGM  News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water District is proud to unveil its new strategic plan, which outlines a comprehensive ro...</p>	News Releases	103	18	17.48%	15	0	0	6	0
March 17, 2024 8:12 PM PDT	 Image	 <p>St. Patty Day Wishing you a happy and safe Saint Patrick's Day!  #staysafe</p>	Event	185	19	10.27%	19	0	1	6	0

Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Item 26.
March 13, 2024 5:55 PM PDT	 Image	 <p>LIHWAP Program 💧 Need help with your water bill? #LIHWAP funds are here to assist! Act fast - the application deadline is March 15. Don't miss out! Learn more and apply today: https://loom.ly/UDazYfo #PayMyH2OBill 💧</p>	Customer Service	165	6	3.64%	5	0	1	1	0
March 12, 2024 1:07 PM PDT	 Image	 <p>Groundwater Awareness Week 🌊 Let's dive in and celebrate National Groundwater Awareness Week! 🌍 Established in 1999, this annual observance emphasizes responsible development, management, and use of groundwater. Here in DHS,...</p>	Event	68	6	8.82%	5	0	0	1	0

Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Item 26.
March 07, 2024 5:25 PM PST	 Image	 <p>Water Talks Mar 27</p> <p> JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER!</p> <p>In March, we will discuss the state's need for more water storage and how the Sites Reservoir project will benefit us in the Coachella V...</p>	Event	150	12	8.0%	10	0	1	5	0
March 06, 2024 5:52 AM PST	 Image	 <p>Article 6 Update</p> <p> To better serve our industrial wastewater users and expand services, MSWD is working to amend Article VI of our wastewater discharge ordinance. The proposed modifications will be discussed duri...</p>	Event	59	6	10.17%	4	0	0	2	0
March 05, 2024 4:46 PM PST	 Image	 <p>Congrats Jan Pye</p> <p>In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored today by the Riverside County Board of Supervisors as Woman of the Year in the Fourt...</p>	Event	89	12	13.48%	6	0	0	8	0


Date	Format	Post	Labels	Reach	Engaged Users	Engagement Rate	Reactions	Comments	Shares	Clicks	Item 26.
March 04, 2024 3:31 PM PST	 Image	 <p>LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill. The deadline to apply is March 15. Learn more: https://loom.ly/utBI8u4 #PayMyH...</p>	Customer Service	190	9	4.74%	7	0	2	4	0
Total				2,021	217		152	4	8	144	115
Average				126.3	13.6	10.74%	9.5	0.3	0.5	9.0	7.2

Twitter Account Overview (March 1 - 31, 2024)


Item 26.

Tweets Published	Total Likes	Total Retweets	Total Followers	Following
12 <small>+2 20.0%</small>	1	0	106 <small>+2 1.9%</small>	99


3 Most Retweeted Posts

- 

LIHWAP Program
Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill...

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Congrats Jan Pye
In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...


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Article 6 Update
To better serve our industrial wastewater users , MSWD is working to amend Article VI of our wastewater discharge...

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3 Most Liked Posts

- 

DC Trip
+1  MSWD recently had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, an...

1
- 

LIHWAP Program
Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill...

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Congrats Jan Pye
In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...

0

3 Least Retweeted Posts



Happy Easter

🐰 Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣 <https://t.co/PnaebAkA3k>

0



+1 DC Trip

💧👉 MSWD recently had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, an...

0



World Water Day

Happy World Water Day! 💧 Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean ...

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3 Least Liked Posts

Item 26.



Happy Easter

🐰 Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣 <https://t.co/PnaebAkA3k>

0



World Water Day

Happy World Water Day! 💧 Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean ...

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Fix A Leak Week










🇺🇸💡 Did you know? It's National Fix A Leak Week! Leaks might seem small, but they add up to big water waste! Let's ...











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Twitter Post Metrics (March 1 - 31, 2024)

Date	Format	Post	Labels	Retweets	Likes
<p>March 31, 2024 8:09 PM PDT</p>	<p> Image</p>	<p> Happy Easter  Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣 https://t.co/PnaebAkA3k</p>	<p>Event</p>	<p>0</p>	<p>0</p>
<p>March 23, 2024 10:08 AM PDT</p>	<p> Multi-Image</p>	<p> DC Trip   MSWD recently had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, and the U.S. Army Corps of Engineers, sharing with them the progress being made on... +1</p>	<p>Event</p>	<p>0</p>	<p>1</p>
<p>March 22, 2024 7:08 PM PDT</p>	<p> Image</p>	<p> World Water Day Happy World Water Day!  Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean water. We thank you! https://t.co/2gNsW0080T</p>	<p>Event</p>	<p>0</p>	<p>0</p>

Date	Format	Post	Labels	Retweets	Item 26.
<p>March 20, 2024 8:08 AM PDT</p>	<p> Image</p>	<p> Fix A Leak Week  Did you know? It's National Fix A Leak Week! Leaks might seem small, but they add up to big water waste! Let's fix those leaks and conserve water together. Visit https://t.co/M57FPWK23g #Fix...</p>	<p>FOG/Wipes</p>	<p>0</p>	<p>0</p>
<p>March 18, 2024 8:22 PM PDT</p>	<p> Image</p>	<p> News Release: SP & AGM  News Release:MSWD adopted a new strategic plan today, which outlines a comprehensive roadmap for enhancing operations and service delivery across seven key areas. To support this, MSWD announced ...</p>	<p>News Releases</p>	<p>0</p>	<p>0</p>
<p>March 17, 2024 8:12 PM PDT</p>	<p> Image</p>	<p> St. Patty Day Wishing you a happy and safe Saint Patrick's Day!  #staysafe https://t.co/NSnABf9JWI</p>	<p>Event</p>	<p>0</p>	<p>0</p>

Date	Format	Post	Labels	Retweets	Item 26.
<p>March 13, 2024 5:55 PM PDT</p>	<p> Image</p>	<p> LIHWAP Program  Need help with your water bill? #LIHWAP funds are here to assist! Act fast - the application deadline is March 15. Don't miss out! Learn more and apply today: https://t.co/ZWuRtgxzqd #PayMyH2OBil...</p>	<p>Customer Service</p>	<p>0</p>	<p>0</p>
<p>March 12, 2024 1:07 PM PDT</p>	<p> Image</p>	<p> Groundwater Awareness Week  Let's dive in and celebrate National Groundwater Awareness Week! 100 % of our water is from groundwater sources, so it's very important that we protect this precious resource both now and in th...</p>	<p>Event</p>	<p>0</p>	<p>0</p>
<p>March 07, 2024 5:25 PM PST</p>	<p> Image</p>	<p> Water Talks Mar 27  JOIN MSWD FOR A FREE WATER TALK! In March, we will discuss the state's need for more storage and how the Sites Reservoir project will benefit the CV. Guest speaker Jerry Brown will provide an ov...</p>	<p>Event</p>	<p>0</p>	<p>0</p>

Date	Format	Post	Labels	Retweets	Item 26.
March 06, 2024 5:52 AM PST	 Image	 <p>Article 6 Update  To better serve our industrial wastewater users , MSWD is working to amend Article VI of our wastewater discharge ordinance. The changes will be discussed during a public hearing at our BOD Mee...</p>		0	0
March 05, 2024 4:46 PM PST	 Image	 <p>Congrats Jan Pye In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored today by the Riv. Co. BOS as Woman of the Year. Not only is she a leader and a role ...</p>		0	0
March 04, 2024 3:31 PM PST	 Image	 <p>LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill. The deadline to apply is March 15. Learn more: https://t.co/R4BVp7RN0m #PayMyH...</p>		0	0
Total				0	1


Date	Format	Post	Labels	Retweets	Item 26.
Average				0.0	0.1

Instagram Account Overview (March 1 - 31, 2024)


Item 26.

Posts Published	Total Followers	New Followers	Impressions	Reach	Profile Views
12	330	6	84,712	77,310	55
+1 9.1%	+3 0.9%	-1 -14.3%	+42,563 101.0%	+40,064 107.6%	+8 17.0%


3 Most Liked Posts

- 

DC Trip
 🇺🇸👉 We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senato...

19
- 


News Release: SP & AGM
 📰 News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water Distr...

13
- 


Congrats Jan Pye
 In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...

8


3 Most Commented Posts

- 

LIHWAP Program
 Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill...

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Congrats Jan Pye
 In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...

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Article 6 Update
 📰 🗣️ To better serve our industrial wastewater users and expand services, MSWD is working to amend Article VI of our w...

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3 Least Liked Posts



St. Patty Day

Wishing you a happy and safe Saint Patrick's Day! 🍀 #staysafe

2



LIHWAP Program

Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill...

2



Fix A Leak Week

🔧💡 Did you know? It's National Fix A Leak Week! 💡🔧
Leaks might seem small, but they add up to big water waste! The

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3 Least Commented Posts

Item 26.



Happy Easter

🐰 Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣

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DC Trip

💧👉 We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senato...

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World Water Day

Happy World Water Day! 💧 Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean ...

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Instagram Story Metrics (March 1 - 31, 2024)







Item 26.













Date	Story	Labels	Exits	Impressions	Reach	Replies	Taps Forward	Taps Back
------	-------	--------	-------	-------------	-------	---------	--------------	-----------







No stories found within the selected date range.







Instagram Post Metrics (March 1 - 31, 2024)

Item 26.

Date	Format	Post	Labels	Likes	Comments	Impressions	Reach	Engagements	Engagement Rate	Saves	Video Views
March 31, 2024 8:09 PM PDT	 Image	 <p>Happy Easter 🐰 Happy Easter from MSWD! We hope you and your family have a wonderful Sunday. 🐣</p>	Event	4	0	18	18	4	22.22%	0	
March 23, 2024 10:08 AM PDT	 Carousel	 <p>DC Trip 🇺🇸 👉 We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, and the U.S. Army Corps of Engineer...</p>	Event	19	0	81	67	19	28.36%	0	
March 22, 2024 7:09 PM PDT	 Image	 <p>World Water Day 🌊 Happy World Water Day! Today, we celebrate the unsung heroes who work tirelessly to ensure we have access to clean water. From engineers designing innovative water treatment systems to utility wo...</p>	Event	7	0	43	41	7	17.07%	0	

Date	Format	Post	Labels	Likes	Comments	Impressions	Reach	Engagements	Engagement Rate	Saves	Item 26.
March 20, 2024 8:08 AM PDT	 Image	 <p>Fix A Leak Week   Did you know? It's National Fix A Leak Week!   Leaks might seem small, but they add up to big water waste! The average household's leaks can waste nearly 10,000 gallons of water yearly—enough ...</p>	FOG/Wipes	3	0	38	33	3	9.09%	0	
March 18, 2024 8:22 PM PDT	 Image	 <p>News Release: SP & AGM  News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water District is proud to unveil its new strategic plan, which outlines a comprehensive ro...</p>	News Releases	13	0	79	72	15	20.83%	2	
March 17, 2024 8:12 PM PDT	 Image	 <p>St. Patty Day Wishing you a happy and safe Saint Patrick's Day!  #staysafe</p>	Event	2	0	25	24	2	8.33%	0	

Date	Format	Post	Labels	Likes	Comments	Impressions	Reach	Engagements	Engagement Rate	Saves	Item 26.
March 13, 2024 5:55 PM PDT	 Image	 <p>LIHWAP Program Need help with your water bill? #LIHWAP funds are here to assist! Act fast - the application deadline is March 15. Don't miss out! Learn more and apply today: https://loom.ly/UDazYfo #PayMyH2OBill 💧</p>	Customer Service	3	0	29	25	3	12.0%	0	
March 12, 2024 1:07 PM PDT	 Image	 <p>Groundwater Awareness Week Let's dive in and celebrate National Groundwater Awareness Week! 🌍 Established in 1999, this annual observance emphasizes responsible development, management, and use of groundwater. Here in DHS,...</p>	Event	3	0	31	28	3	10.71%	0	
March 07, 2024 5:25 PM PST	 Image	 <p>Water Talks Mar 27 JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER! In March, we will discuss the state's need for more water storage and how the Sites Reservoir project will benefit us in the Coachella V...</p>	Event	4	0	50	48	4	8.33%	0	

Date	Format	Post	Labels	Likes	Comments	Impressions	Reach	Engagements	Engagement Rate	Saves	Item 26.
March 06, 2024 5:52 AM PST	 Image	 Article 6 Update To better serve our industrial wastewater users and expand services, MSWD is working to amend Article VI of our wastewater discharge ordinance. The proposed modifications will be discussed duri...	Event	3	0	45	42	3	7.14%	0	
March 05, 2024 4:46 PM PST	 Image	 Congrats Jan Pye In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored today by the Riverside County Board of Supervisors as Woman of the Year in the Fourt...	Event	8	0	63	59	8	13.56%	0	
March 04, 2024 3:31 PM PST	 Image	 LIHWAP Program Don't miss out on this opportunity! #LIHWAP funds are available to help you get caught up on your water or sewer bill. The deadline to apply is March 15. Learn more: https://loom.ly/utBI8u4 #PayMyH...	Customer Service	2	0	34	33	2	6.06%	0	
Total				71	0	536	490	73		2	


Date	Format	Post	Labels	Likes	Comments	Impressions	Reach	Engagements	Engagement Rate	Saves	Item 26.
Average				5.9	0.0	44.7	40.8	6.1	14.9%	0.2	

LinkedIn Account Overview (March 1 - 31, 2024)

Item 26.


<p>Posts Published</p> <p>5</p> <p>+5</p>	<p>Likes</p> <p>59</p> <p>+44 293.3%</p>	<p>Views</p> <p>83</p> <p>+28 50.9%</p>	<p>Followers</p> <p>304</p> <p>+7 2.4%</p>
<p>Comments</p> <p>14</p> <p>+10 250.0%</p>	<p>Impressions</p> <p>1,933</p> <p>+1,464 312.2%</p>	<p>Clicks</p> <p>135</p> <p>+123 1025.0%</p>	<p>Engagement Rate</p> <p>7.71%</p> <p>+0.0 7.2%</p>

3 Most Engaging Posts

- 


DC Trip +1

We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senato...

20.0%
- 

Congrats Jan Pye

In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...


16.79%
- 

News Release: SP & AGM

News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water Distr...


8.98%

3 Most Shared Posts

- 


News Release: SP & AGM

News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water Distr...

1
- 

Congrats Jan Pye

In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored toda...






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Water Talks Mar 27

JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER! In March, we will discuss the state's need for more wate...







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3 Least Engaging Posts

	Join us tomorrow for our monthly Water Talk, where we will host a special guest, Jerry Brown, the executive director ...	5.17%
	Water Talks Mar 27  JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER! In March, we will discuss the state's need for more wate...	6.32%
	News Release: SP & AGM  News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water Distr...	8.98%









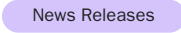
3 Least Shared Posts








Item 26.

	Join us tomorrow for our monthly Water Talk, where we will host a special guest, Jerry Brown, the executive director ...	0
	DC Trip +1   We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senato...	0
	Water Talks Mar 27  JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER! In March, we will discuss the state's need for more wate...	0

LinkedIn Post Metrics (March 1 - 31, 2024)

Item 26.

Date	Format	Post	Labels	Shares	Clicks	Engagement Rate	Reactions	Impressions	Comments
March 26, 2024 11:10 AM PDT	 Link	 Join us tomorrow for our monthly Water Talk, where we will host a special guest, Jerry Brown, the executive director of the exciting Sites Reservoir project. March 27 from 5-6 p.m. at the DHS Libr...		0	4	5.17%	2	116	0
March 23, 2024 10:08 AM PDT	 Multi-Image	 +1 DC Trip 💧👉 We had a busy couple of days in DC! Earlier this week, MSWD had the opportunity to meet with the offices of Senator Padilla, Senator Butler, Congressman Ruiz, and the U.S. Army Corps of Engineer...	 Event	0	62	20.0%	10	360	0
March 18, 2024 8:22 PM PDT	 Image	 News Release: SP & AGM  News Release: MSWD Announces New Strategic Plan and Appoints Assistant General Manager Mission Springs Water District is proud to unveil its new strategic plan, which outlines a comprehensive ro...	 News Releases	1	51	8.98%	33	1,091	13

Date	Format	Post	Labels	Shares	Clicks	Engagement Rate	Reactions	Impressions	Item 26.
March 07, 2024 5:25 PM PST	 Link	 <p>Water Talks Mar 27  JOIN MSWD FOR A FREE MONTHLY TALK ABOUT ALL THINGS WATER! In March, we will discuss the state's need for more water storage and how the Sites Reservoir project will benefit us in the Coachella V...</p>		0	4	6.32%	7	174	0
March 05, 2024 4:46 PM PST	 Image	 <p>Congrats Jan Pye In honor of Women's History Month, MSWD would like to congratulate DHS Mayor Pro Tem Jan Pye, who was honored today by the Riverside County Board of Supervisors as Woman of the Year in the Four...</p>		0	17	16.79%	6	137	0
Total				1	138		58	1,878	13
Average				0.2	27.6	11.45%	11.6	375.6	2.6