



*Dedicated to
Satisfying our Community's
Water Needs*

**AGENDA
MESA WATER DISTRICT
BOARD OF DIRECTORS
Thursday, August 13, 2020
1965 Placentia Avenue, Costa Mesa, CA 92627
6:00 p.m. Regular Board Meeting**

**IN AN EFFORT TO MITIGATE THE SPREAD OF COVID-19 (CORONAVIRUS), AND IN ACCORDANCE WITH THE GOVERNOR'S EXECUTIVE ORDER N-29-20, THERE WILL BE NO PUBLIC LOCATION FOR ATTENDING THIS BOARD MEETING IN PERSON. MEMBERS OF THE PUBLIC MAY LISTEN AND PROVIDE PUBLIC COMMENT TELEPHONICALLY BY CALLING THE FOLLOWING NUMBER:
DIAL: (949) 207-5455
CONFERENCE ID: 130371#**

CALL TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

Items Not on the Agenda: Members of the public are invited to address the Board regarding items which are not on the agenda. Each speaker is limited to three minutes. The Board will set aside 30 minutes for public comments.

Items on the Agenda: Members of the public may comment on agenda items before action is taken or after the Board has discussed the item. Each speaker is limited to three minutes. The Board will set aside 60 minutes for public comments.

ITEMS TO BE ADDED, REMOVED, OR REORDERED ON THE AGENDA

At the discretion of the Board, all items appearing on this agenda, whether or not expressly listed as an Action Item, may be deliberated and may be subject to action by the Board.

CONSENT CALENDAR ITEMS:

Approve all matters under the Consent Calendar by one motion unless a Board member, staff, or a member of the public requests a separate action.

1. Approve minutes of regular Board meeting of July 9, 2020.
2. Approve minutes of adjourned regular Board meeting of July 22, 2020.
3. Approve attendance considerations (additions, changes, deletions).
4. Board Schedule:
 - Conferences, Seminars, and Meetings
 - Board Calendar
5. Receive the Quarterly Training Report for April 1, 2020 to June 30, 2020.

ACTION ITEMS:

6. CHANDLER & CRODDY WELLS AND PIPELINE PROJECT WELL DRILLING:



Recommendation: Award a contract to Zim Industries dba Bakersfield Well and Pump for \$2,955,632 and a 10% contingency of \$295,563 for a total contract amount not to exceed \$3,251,195 for the drilling of Chandler Well No. 12 and Croddy Well No. 14.

7. CAPITAL IMPROVEMENT PROGRAM RENEWAL ON-CALL CONSTRUCTION MANAGEMENT SERVICES:

Recommendation: Approve on-call professional construction management and inspection services contracts for the Capital Improvement Program Renewal in the amounts of \$1.1MM for Fiscal Year 2021, \$1.6MM for Fiscal Year 2022, and \$1.1MM for Fiscal Year 2023, with the option for two annual renewals of \$500,000 per year, for a total contract authorization amount not to exceed \$4.8MM to be distributed to the following five firms: Black and Veatch, Butier Engineering, Inc., CDM Smith, Inc., Michael Baker International, and MWH Constructors.

PRESENTATION AND DISCUSSION ITEMS:

8. INDEPENDENT SPECIAL DISTRICTS OF ORANGE COUNTY EXECUTIVE COMMITTEE ELECTION:

Recommendation: Review the Independent Special Districts of Orange County Executive Committee election information and discuss potential candidacy interest.

REPORTS:

9. REPORT OF THE GENERAL MANAGER:

- July Key Indicators Report
- Other (no enclosure)

10. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

11. DIRECTORS' REPORTS (AB 1234) PER CA GOVERNMENT CODE SECTION 53232.3 (D)

12. OTHER (NO ENCLOSURE)

In compliance with California law and the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services in order to participate in the meeting, or if you need the agenda provided in an alternative format, please contact the District Secretary at (949) 631-1206. Notification 48 hours prior to the meeting will enable Mesa Water District (Mesa Water) to make reasonable arrangements to accommodate your requests.

Members of the public desiring to make verbal comments utilizing a translator to present their comments into English shall be provided reasonable time accommodations that are consistent with California law.

Agenda materials that are public records, which have been distributed to a majority of the Mesa Water Board of Directors (Board), will be available for public inspection at the District Boardroom, 1965 Placentia Avenue, Costa Mesa, CA and on Mesa Water's website at www.MesaWater.org. If materials are distributed to the Board less than 72 hours prior or during the meeting, the materials will be available at the time of the meeting.

ADJOURN TO AN ADJOURNED REGULAR BOARD MEETING SCHEDULED FOR TUESDAY, AUGUST 25, 2020 AT 3:30 P.M.



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**MINUTES OF THE BOARD OF DIRECTORS
MESA WATER DISTRICT
Thursday, July 9, 2020
1965 Placentia Avenue, Costa Mesa, CA 92627
6:00 p.m. Regular Board Meeting**

CALL TO ORDER

The meeting of the Board of Directors was called to order at 6:01 p.m. by President Dewane.

PLEDGE OF ALLEGIANCE

Director Fisler led the Pledge of Allegiance.

Directors Present

Shawn Dewane, President *(teleconference)*
Marice H. DePasquale, Vice President *(teleconference)*
Jim Atkinson, Director *(teleconference)*
Fred R. Bockmiller, P.E., Director *(teleconference)*
James R. Fisler, Director *(teleconference)*

Directors Absent

None

Staff Present

Paul E. Shoenberger, P.E., General Manager *(teleconference)*
Phil Lauri, P.E., Assistant General Manager *(teleconference)*
Denise Garcia, Administrative Services Manager/
District Secretary
Wendy Duncan, Records Management Specialist/
Assistant District Secretary
Marwan Khalifa, CPA, MBA, Chief Financial Officer/
District Treasurer
Rob Anslow, Partner, Atkinson, Andelson, Loya, Ruud & Romo
(teleconference)

Others Present

Jonathan Aparicio, IT Support Engineer, T2 Technology

President Dewane stated that the Board of Directors was attending the meeting via teleconference per Governor Newsom's Executive Order N-29-20 which suspended certain provisions of the Ralph M. Brown Act.

President Dewane stated that for each action, a roll call vote was taken in accordance with California Government Code Section 54953(b)(2), which states, "all votes taken during a teleconferenced meeting shall be by roll call."

President Dewane proceeded with the meeting.

PUBLIC COMMENTS

President Dewane asked for public comments on items not on the agenda.

There were no public comments and President Dewane proceeded with the meeting.

ITEMS TO BE ADDED, REMOVED, OR REORDERED ON THE AGENDA

General Manager Shoenberger reported there were no items to be added, removed, or reordered on the agenda.

CONSENT CALENDAR ITEMS:

Approve all matters under the Consent Calendar by one motion unless a Board member, staff, or a member of the public requests a separate action.

1. Approve minutes of regular Board meeting of June 11, 2020.
2. Approve minutes of adjourned regular Board meeting of June 24, 2020.
3. Approve attendance considerations (additions, changes, deletions).
4. Board Schedule:
 - Conferences, Seminars, and Meetings
 - Board Calendar

President Dewane asked for comments from the Board. There were no comments.

President Dewane asked for comments from the public. There were no comments.

MOTION

Motion by Director Atkinson, second by Vice President DePasquale, to approve Items 1 – 4 of the Consent Calendar. Motion passed 5-0, by the following roll call vote:

AYES:	DIRECTORS	Atkinson, Bockmiller, Fisler, DePasquale, Dewane
NOES:	DIRECTORS	None
ABSTAIN:	DIRECTORS	None
ABSENT:	DIRECTORS	None

ACTION ITEMS:

5. CHANDLER & CRODDY WELLS AND PIPELINE PROJECT DEMOLITION:

GM Shoenberger introduced Assistant General Manager Lauri who provided a brief overview of the topic.

President Dewane asked for comments from the Board.

AGM Lauri responded to questions from the Board.

President Dewane asked for comments from the public. There were no comments.

MOTION

Motion by Director Bockmiller, second by Vice President DePasquale, to award a contract to Standard Demolition, Inc. for \$290,532 and a 10% contingency of \$29,053 for a total contract amount not to exceed \$319,585 for the demolition of the existing buildings at the Chandler and Croddy well site properties. Motion passed 5-0, by the following roll call vote:

AYES:	DIRECTORS	Atkinson, Bockmiller, Fisler, DePasquale, Dewane
NOES:	DIRECTORS	None
ABSENT:	DIRECTORS	None
ABSTAIN:	DIRECTORS	None

6. PROCEDURES FOR MEETINGS OF THE BOARD OF DIRECTORS:

GM Shoenberger provided a brief overview of the topic.

Discussion ensued amongst the Board.

The Board directed staff to survey other agencies regarding Board meeting times and to agendize this topic at a future meeting for further discussion.

No action was taken on this topic.

PRESENTATION AND DISCUSSION ITEMS:

None.

REPORTS:

7. REPORT OF THE GENERAL MANAGER:

- June Key Indicators Report
- Other (no enclosure)

8. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

9. SPECIAL DISTRICT LEADERSHIP FOUNDATION REACCREDITATION

10. DIRECTORS' REPORTS (AB 1234) PER CA GOVERNMENT CODE SECTION 53232.3(D)

11. OTHER (NO ENCLOSURE)

RECESS

President Dewane declared a recess at 7:03 p.m.

The Board meeting reconvened at 7:04 p.m.

CLOSED SESSION:

President Dewane announced that the Board was going into Closed Session at 7:04 p.m.

12. CONFERENCE WITH GENERAL LEGAL COUNSEL – ANTICIPATED LITIGATION:
Pursuant to California Government Code Sections 54954.5(c) and 54956.9(d)(4) – based on existing facts and circumstances, the Board is meeting with General Legal Counsel to consider potential legal action relating to water services.
Number of Cases: 1

The Board returned to Open Session at 7:35 p.m.

District Secretary Garcia announced that the Board conducted one Closed Session with the General Manager, District Secretary, District Treasurer, and General Legal Counsel pursuant to California Government Code Section 54954.5(c) and 54956.9(d)(4) The Board received information and there was no further announcement.

President Dewane adjourned the meeting at 7:36 p.m. to an Adjourned Regular Board Meeting scheduled for Wednesday, July 22, 2020 at 3:30 p.m.

Approved:

Shawn Dewane, President

Denise Garcia, District Secretary



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**MINUTES OF THE BOARD OF DIRECTORS
MESA WATER DISTRICT
Wednesday, July 22, 2020
1965 Placentia Avenue, Costa Mesa, CA 92627
3:30 p.m. Adjourned Regular Board Meeting**

BOARD OF DIRECTORS COMMITTEE MEETING

CALL TO ORDER	The meeting of the Board of Directors was called to order at 3:31 p.m. by President Dewane.
PLEDGE OF ALLEGIANCE	Director Atkinson led the Pledge of Allegiance.
Directors Present	Shawn Dewane, President <i>(teleconference)</i> Marice H. DePasquale, Vice President <i>(teleconference)</i> Jim Atkinson, Director <i>(teleconference)</i> Fred R. Bockmiller, P.E., Director <i>(teleconference)</i> James R. Fisler, Director <i>(teleconference)</i>
Directors Absent	None
Staff Present	Paul E. Shoenberger, P.E., General Manager <i>(teleconference)</i> Phil Lauri, P.E., Assistant General Manager <i>(teleconference)</i> Denise Garcia, Administrative Services Manager/ District Secretary Wendy Duncan, Records Management Specialist/ Assistant District Secretary Marwan Khalifa, CPA, MBA, Chief Financial Officer/ District Treasurer Tracy Manning, Water Operations Manager <i>(teleconference)</i> Stacy Taylor, Water Policy Manager <i>(teleconference)</i> Celeste Carrillo, Public Affairs Coordinator <i>(teleconference)</i>
Others Present	Jonathan Aparicio, IT Support Engineer, T2 Tech Group Dennis Albiani, Vice President, California Advocates, Inc. <i>(teleconference)</i> Anthony Molina, Legislative Advocate, California Advocates, Inc. <i>(teleconference)</i> John Lewis, President, Lewis Consulting Group <i>(teleconference)</i>

President Dewane stated that the Board of Directors was attending the meeting via teleconference per Governor Newsom's Executive Order N-29-20 which suspended certain provisions of the Ralph M. Brown Act.

President Dewane stated that for each action, a roll call vote was taken in accordance with California Government Code Section 54953 (b)(2) which states, "all votes taken during a teleconferenced meeting shall be by roll call."

President Dewane proceeded with the meeting.

PUBLIC COMMENTS

President Dewane asked for public comments on items not on the agenda.

There were no public comments and President Dewane proceeded with the meeting.

ITEMS TO BE ADDED, REMOVED, OR REORDERED ON THE AGENDA

General Manager Shoenberger pulled Items 8 and 9 for discussion. There were no objections.

CONSENT CALENDAR ITEMS:

Approve all matters under the Consent Calendar by one motion unless a Board member, staff, or a member of the public requests a separate action.

1. Receive and file the Developer Project Status Report.
2. Receive and file the Mesa Water and Other Agency Projects Status Report.
3. Receive and file the Water Quality Call Report.
4. Receive and file the Water Operations Status Report.
5. Receive and file the Accounts Paid Listing.
6. Receive and file the Monthly Financial Reports.
7. Receive and file the Major Staff Projects.
8. Receive and file the State Advocacy Update.
9. Receive and file the Orange County Update.
10. Receive and file the Outreach Update.

MOTION

Motion by Director Atkinson, second by Vice President DePasquale, to approve Items 1 – 7 and 10 of the Consent Calendar. Motion passed 5-0, by the following roll call vote:

AYES: DIRECTORS Atkinson, Bockmiller, Fisler, DePasquale, Dewane
NOES: DIRECTORS None
ABSTAIN: DIRECTORS None
ABSENT: DIRECTORS None

Item 8 – Receive and file the State Advocacy Update.

Water Policy Manager Taylor introduced California Advocates, Inc. Vice President Dennis Albiani who proceeded with the State Advocacy Update.

Mr. Albiani introduced California Advocates, Inc. Legislative Advocate Anthony Molina who provided a brief Budget Update.

Mr. Albiani responded to questions from the Board and they thanked him for the update.

Discussion ensued amongst the Board.

Item 9 – Receive and file the Orange County Update.

Water Policy Manager Taylor introduced Lewis Consulting Group President John Lewis who proceeded with the Orange County Update.

Mr. Lewis responded to questions from the Board and they thanked him for the update.

MOTION

Motion by Director Atkinson, second by Vice President DePasquale, to approve Items 8 and 9 of the Consent Calendar. Motion passed 5-0, by the following roll call vote:

AYES: DIRECTORS Atkinson, Bockmiller, Fisler, DePasquale, Dewane
NOES: DIRECTORS None
ABSTAIN: DIRECTORS None
ABSENT: DIRECTORS None

ACTION ITEMS:

11. OPERATIONAL AREA AGREEMENT:

MOTION

Motion by Vice President DePasquale, second by Director Atkinson, to authorize the Board President to sign the 2020 Operational Area Agreement of the County of Orange and Political Subdivisions, and designate the Board President as the primary representative and the Board Vice President as the alternative representative to serve on the Operational Area Signatory Council. Motion passed 5-0, by the following roll call vote:

AYES: DIRECTORS Atkinson, Bockmiller, Fisler, DePasquale, Dewane
NOES: DIRECTORS None
ABSTAIN: DIRECTORS None
ABSENT: DIRECTORS None

12. PROCEDURES FOR MEETINGS OF THE BOARD OF DIRECTORS:

GM Shoenberger provided a brief overview of the topic.

Discussion ensued amongst the Board.

MOTION

Motion by President Dewane, second by Vice President DePasquale, to adopt Resolution No. 1533 Changing Time for Regular Meetings of the Board on an Interim Basis Amending Resolution No. 1509, with modification. Motion failed 2-3, by the following roll call vote:

AYES: DIRECTORS DePasquale, Dewane
NOES: DIRECTORS Atkinson, Bockmiller, Fisler
ABSTAIN: DIRECTORS None
ABSENT: DIRECTORS None

PRESENTATION AND DISCUSSION ITEMS:

None.

REPORTS:

- 13. REPORT OF THE GENERAL MANAGER
- 14. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

- 15. ZERO USAGE ACCOUNTS
- 16. OTHER (NO ENCLOSURE)

President Dewane adjourned the meeting at 4:32 p.m. to a Regular Board Meeting scheduled for Thursday, August 13, 2020 at 6:00 p.m.

Approved:

Shawn Dewane, President

Denise Garcia, District Secretary



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MEMORANDUM

TO: Board of Directors
FROM: Paul E. Shoenberger, P.E., General Manager
DATE: August 13, 2020
SUBJECT: Attendance at Conferences, Seminars, Meetings, and Events

RECOMMENDATION

In accordance with Ordinance No. 29, adopted February 14, 2019, authorize attendance at conferences, seminars, meetings, and events.

STRATEGIC PLAN

- Goal #1: Provide a safe, abundant, and reliable water supply.
- Goal #2: Practice perpetual infrastructure renewal and improvement.
- Goal #3: Be financially responsible and transparent.
- Goal #4: Increase public awareness about Mesa Water® and about water.
- Goal #5: Attract and retain skilled employees.
- Goal #6: Provide outstanding customer service.
- Goal #7: Actively participate in regional water issues.

PRIOR BOARD ACTION

At its June 11, 2020 meeting, the Board of Directors (Board) approved Fiscal Year 2021 attendance at Conferences, Seminars, Meetings, and Events.

DISCUSSION

During the discussion of this item, if any, the Board may choose to delete any item from the list and/or may choose to add additional conferences, seminars, meetings, or events for approval, subject to available budget or additional appropriation.

FINANCIAL IMPACT

None.

ATTACHMENTS

None.

2020 CONFERENCES, SEMINARS, AND MEETINGS:

August 11 - 13, 2020	
ACWA Summer Quarterly Forum	<i>Canceled</i>
Sacramento, CA	
August 19 - 21, 2020	
Urban Water Institute Annual Conference	<i>Canceled</i>
San Diego, CA	
August 20 - 21, 2020	
5th Annual Water Data Summit	
Virtual	
August 24 - 27, 2020	
CSDA Annual Conference	<i>Canceled</i>
Palm Desert, CA	
September 15 - 18, 2020	
CAJPA Conference	
South Lake Tahoe, CA	
October 3 - 7, 2020	
WEFTEC 2020 Conference	
Virtual	
October 14 - 15, 2020	
WaterNow Alliance 5th Annual Summit	<i>Rescheduled to April 2021</i>
Philadelphia, PA	
October 26 - 29, 2020	
AWWA CA-NV Annual Fall Conference	<i>Virtual Event</i>
Virtual	
October 29 - 30, 2020	
California H2O Women Conference	<i>Canceled</i>
Santa Barbara, CA	
November 30 - December 4, 2020	
ACWA/JPIA Fall Conference	
Indian Wells, CA	
December 14 - 16, 2020	
Colorado River Water Users Association Conference	
TBD	

August 2020

August 2020							September 2020						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
2	3	4	5	6	7	8	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28	29	30			
30	31												

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jul 26	27	28	29	30	31	Aug 1
2	3 8:30am R/S to 8/10 MWDOC Public Affairs & Legislation (ZOOM)	4 7:30am ISDOC Executive Committee Meeting (ZOOM) 12:00pm Ad Hoc Meeting - SD, MD (Panian Conference Room) 5:30pm CANCELED Costa Mesa City Council Meeting (Council Chambers)	5 Payday 8:30am Jt. MWDOC/MWD Workshop (ZOOM) 5:30pm OCWD Board Meeting (ZOOM)	6	7 7:30am WACO Meeting (ZOOM)	8
9	10 8:30am R/S from 8/03 MWDOC Public Affairs & Legislation (ZOOM) 5:00pm CALL IN ONLY IRWD Board Meeting	11 CANCELED ACWA Summer Quarterly Forum (Sacramento, CA) 7:30am OCBC Infrastructure Committee Meeting (ZOOM)	12 8:00am LAFCO Meeting (ZOOM) 8:30am MWDOC Admin and Finance Committee (ZOOM)	13 6:00pm Mesa Water Board Meeting (GoToMeeting)	14 Pay Period Ends 9:00am MWDOC Special Board Meeting (ZOOM)	15
16	17	18 7:30am WACO Planning Committee (ZOOM) 5:30pm CANCELED Costa Mesa City Council Meeting	19 CANCELED Urban Water Institute Annual Conference (San Diego, CA) Payday 8:30am MWDOC Board Meeting (ZOOM) 9:30am Urban Water Institute Informative Discussion (ZOOM) 5:30pm OCWD Board Meeting (ZOOM)	20 CANCELED Urban Water Institute Annual Conference (San Diego, CA) 5th Annual Water Data Summit (VIRTUAL) 8:30am MWDOC Executive Committee (ZOOM) 11:30am CANCELED CM Chamber Event	21	22
23	24 5:00pm CALL IN ONLY IRWD Board Meeting (15600 Sand Canyon Avenue in Irvine)	25 CANCELED CSDA Annual Conference (Palm Desert, CA)	26 3:30pm Board of Directors Committee Meeting (GoToMeeting)	27	28 Pay Period Ends	29
30	31	Sep 1	2	3	4	5

September 2020

September 2020							October 2020						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5			1	2	3		
6	7	8	9	10	11	12	4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30				25	26	27	28	29	30	31

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Aug 30	31	Sep 1 7:30am ISDOC Executive Committee Meeting (Conference Room 101) 12:00pm Executive Committee Meeting (Panian Conference Room) 5:30pm Costa Mesa City Council Meeting (Council Chambers)	2 Payday 8:30am Jt. MWDOC/MWD Workshop (MWDOC/OCWD Boardroom) 5:30pm OCWD Board Meeting (OCWD Boardroom)	3	4 7:30am R/S to 9/11 WACO Meeting (MWDOC/OCWD Boardroom)	5
6	7 District Holiday 8:30am R/S to 9/8 MWDOC Planning & Operations Committee Meeting (Conference Room 101)	8 7:30am OCBC Infrastructure Committee Meeting (2 Park Plaza, Suite 125 Irvine, 92614; OCBC Conference Room) 8:30am R/S from 9/7 MWDOC Planning & Operations Committee Meeting (Conference Room 101)	9 8:00am LAFCO Meeting (Hall of Administration 10 Civic Center Plaza Santa Ana, CA 92701) 8:30am MWDOC Admin and Finance Committee (Conference Room 101)	10 6:00pm Mesa Water Board Meeting (Boardroom)	11 Pay Period Ends 7:30am R/S from 9/5 WACO Meeting (MWDOC/OCWD Boardroom)	12 9:00am HOLD for 60th Anniversary Event
13	14 5:00pm IRWD Board Meeting (15600 Sand Canyon Avenue in Irvine)	15 7:30am WACO Planning Committee 5:30pm Costa Mesa City Council Meeting	16 Payday 8:30am MWDOC Board Meeting (MWDOC/OCWD Boardroom) 5:30pm OCWD Board Meeting (OCWD Boardroom)	17 8:30am MWDOC Executive Committee (Conference Room 102) 11:30am CM Chamber Event	18	19
20	21 8:30am MWDOC Public Affairs & Legislation (Conference Room 101)	22	23	24	25 Pay Period Ends	26
27	28 5:00pm IRWD Board Meeting (15600 Sand Canyon Avenue in Irvine)	29	30 Payday	Oct 1	2	3

October 2020

October 2020							November 2020						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14
11	12	13	14	15	16	17	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30					

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sep 27	28	29	30	Oct 1	2 7:30am WACO Meeting (MWDOC/OCWD Boardroom)	3 1 WEFTEC 2020 Conference (New Orleans, LA)
4	5 8:30am MWDOC Planning & Operations Committee Meeting (Conference Room.101)	6 7:30am ISDOC Executive Committee Meeting (Conference Room.101) 12:00pm Executive Committee Meeting (Panian Conference Room) 5:30pm Costa Mesa City Council Meeting (Council Chambers)	7 8:30am Jt. MWDOC/MWD Workshop (MWDOC/OCWD Boardroom) 5:30pm OCWD Board Meeting (OCWD Boardroom)	8 6:00pm Mesa Water Board Meeting (Boardroom)	9 Pay Period Ends	10
11	12 5:00pm IRWD Board Meeting (15600 Sand Canyon Avenue in Irvine)	13 7:30am OCBC Infrastructure Committee Meeting (2 Park Plaza, Suite 125 Irvine, 92614; OCBC Conference Room)	14 Payday 8:00am LAFCO Meeting (Hall of Administration 10 Civic Center Plaza Santa Ana, CA 92701) 8:30am MWDOC Admin and Finance Committee (Conference Room.101)	15 8:30am MWDOC Executive Committee (Conference Room.102) 11:30am CM Chamber Event	16	17
18	19 8:30am MWDOC Public Affairs & Legislation (Conference Room.101)	20 7:30am WACO Planning Committee 5:30pm Costa Mesa City Council Meeting	21 2021 California H2O Women Conference (Santa Barbara, CA) 8:30am MWDOC Board Meeting (MWDOC/OCWD Boardroom) 5:30pm OCWD Board Meeting (OCWD Boardroom)	22	23 Pay Period Ends	24
25	26 5:00pm IRWD Board Meeting (15600 Sand Canyon Avenue in Irvine)	27 VIRTUAL AWWA CA-NV Annual Fall Conference (Virtual)		28 Payday 8:30am Jt. MWDOC/OCWD Meeting (MWDOC/OCWD Boardroom)	29 8:00am H2O Women Conference (MD) (Ritz-Carlton Bacara, Santa Barbara)	31 5:00pm



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MEMORANDUM

TO: Board of Directors
FROM: Syndie Ly, Human Resources Manager
DATE: August 13, 2020
SUBJECT: Quarterly Training Report

RECOMMENDATION

Receive the Quarterly Training Report for April 1, 2020 to June 30, 2020.

STRATEGIC PLAN

Goal #5: Attract and retain skilled employees.

DISCUSSION

As part of the Board of Directors' (Board) approved 2019 Strategic Plan Goal #5 – Attract and retain skilled employees, Objective B is to Build Employee Skills, specifically the following:

- Fully train a minimum of two employees in key processes to ensure accountability and sustainability
- Develop and implement an operational and institutional knowledge transfer plan

Outcome 3 calls for providing quarterly training reports to the Board.

Attached is the Quarterly Training Report for April 1, 2020 to June 30, 2020. In addition to the training listed on the report, staff also conducts safety training for all employees and Monday Morning Tailgate Talks for Water Operations, Engineering and Customer Services field staff.

The Tailgate Talks for this quarter included the following topics:

- COVID-19 Safety Info
- Reducing the Risk of Workplace Violence
- Carbon Monoxide: A Silent Killer
- Night Work Safety
- Heat Illness Training Reminders
- Climbing On to Elevated Tanks
- Understanding Safety Data Sheets
- Powerful Protection from Personal Protective Equipment (PPE)
- Safety Tips for Employees Working Remotely or Alone
- COVID-19 Return to Work Training
- Energized Electrical Equipment Can Be Deadly
- LPD Chlor Safety Data Sheet Quiz
- Trenching: Don't Dig Yourself Into a Bind

The Safety Training program included the following topics:

- Driver Safety
- Respirator Fit Test
- Asbestos Building Inspector Training
- Bloodborne Pathogens



- Fire Extinguisher and Fire Prevention
- Confined Space Entry/Attendant Training
- Forklift Classroom
- Respiratory Protection
- Hearing Conservation
- HAZWOPER Mod 1
- HAZWOPER Mod 2
- HAZWOPER Mod 3
- HAZWOPER Mod 4
- Trenching and Excavation Competent Person
- COVID-19 Return to Work Training

Below are the required continuing education hours needed, over a three-year period, for each Distribution and Treatment Certification Renewal held by staff:

Distribution and Treatment Certification Renewals – Required Continuing Education Hours (within the last three years)				
Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
12 hours	16 hours	24 hours	36 Hours	36 hours

FINANCIAL IMPACT

The cost for the training is budgeted each fiscal year, per department or in the overall safety budget.

ATTACHMENTS

Attachment A: Quarterly Training Report for April 1, 2020 to June 30, 2020



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Buyer	Financial Services	4/1 & 4/2/2020	FEMA COVID-19 Procurement Under Grants	FEMA
Department Assistant	Administrative Services	4/6/2020	Effective Performance Review Practices	Target Solutions
Buyer	Financial Services	4/6/2020	CAL OES Procurement training	CAL OES
Human Resources Analyst(s) Human Resources Manager	Human Resources	4/7/2020	COVID-19: Constantly Changing Rules	Liebert Cassidy Whitmore
Buyer	Financial Services	4/7/2020	Economics of COVID	CAPPO
Operator II	Water Operations	4/9/2020	Water Industry Low Voltage Electrical Safety	AWWA
Senior Operator	Water Operations	4/13/2020	Flagger and Cone Safety	AWWA
Financial Services Assistant	Financial Services	4/14/2020	FEMA COVID-19 Procurement Under Grants	FEMA
Financial Services Assistant	Financial Services	4/14/2020	Empower: MW Retirement Plan Transition Meeting	Empower
Facility Maintenance Worker	Water Operations	4/14/2020	Canv Hazardous Waste	AWWA
Facility Maintenance Worker	Water Operations	4/14/2020	Canv Maintaining Distribution System Integrity	AWWA
Human Resources Analyst(s)	Human Resources	4/15/2020	Supervisor's Guide to Understanding and Managing Employees' Rights: Labor, Leaves and Accommodations	Liebert Cassidy Whitmore
Department Assistant	Administrative Services	4/16/2020	Diversity, Respect, and Inclusion in the Workplace	Pryor Learning
Department Assistant	Administrative Services	4/16/2020	Successfully Manage Conflict and Confrontation	Pryor Learning
Field Customer Service Representative II Operator I	Water Operations	4/16/2020	Anti-Harassment Training for All Employees - California (SB1343)	AWWA
Buyer	Financial Services	4/17/2020	CAPPO: COVID-19 and CA Procurement: Sharing Practical Experience and Learning Together	CAPPO



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Financial Services Assistant	Financial Services	4/17/2020	CAL OES Procurement training	CAL OES
Office Assistant	Administrative Services	4/20/2020	Word 2019: Using Table Tools	Skills Path
Office Assistant	Administrative Services	4/20/2020	Working with the Interface and Performing Basic Tasks in Word 2016	Skills Path
Office Assistant	Administrative Services	4/21/2020	Formatting Text in Word 2016	Skills Path
Accounting Technician Buyer Chief Financial Officer	Financial Services Human Resources	4/21/2020	Empower: MW Retirement Plan Transition Meeting	Empower
Office Assistant	Administrative Services	4/22/2020	Customizing Options and Using Document Views in Word 2016	Skills Path
Department Assistant	Administrative Services	4/23/2020	Eliminate the Confusion of FMLA	Pryor Learning
Department Assistant	Administrative Services	4/23/2020	How to Supervise Bad Attitude and Negative Behavior	Pryor Learning
Department Assistant	Administrative Services	4/24/2020	HR Law Update 2020	Pryor Learning
Department Assistant	Administrative Services	4/27/2020	Handling Conflict: An Employees' Guide	Pryor Learning
Department Assistant	Administrative Services	4/27/2020	Preventing Bullying and Harassment in the Workplace	Pryor Learning
Department Assistant	Administrative Services	4/28/2020	Understanding the Emergency Paid Sick Leave Act as a part of FFCRA	Pryor Learning
Department Assistant	Administrative Services	4/28/2020	Understanding Family Medical Leave Act for Managers	Pryor Learning
Facility Maintenance Worker	Water Operations	4/28/2020	Anti-Harassment Training for All Employees - California (SB1343)	AWWA
Human Resources Analyst	Human Resources	4/29/2020	Contributing as a Virtual Team Member	Learnport
Department Assistant	Administrative Services	4/29/2020	Current Labor Challenges and Labor Laws	Pryor Learning
Department Assistant	Administrative Services	4/29/2020	How to Deal with Employee Complaints and Concerns	Pryor Learning



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Department Assistant	Administrative Services	4/29/2020	Confronting Workplace Conflict	Pryor Learning
Administrative Services Manager	Administrative Services	4/30/2020	ICMA Coaching: Workplace Conduct: How to Deal with Water Cooler Talk	City/County Management
Department Assistant	Administrative Services	4/30/2020	Interpersonal Communication	Pryor Learning
Department Assistant	Administrative Services	4/30/2020	How to Manage Emotions in the Workplace	Pryor Learning
Executive Assistant to the General Manager	Administrative Services	4/30/2020	Workplace Conduct: How to Deal with Water Cooler Talk	ICMA University
Buyer	Financial Services	5/1/2020	e-Procurement Webinar	CAPPO
Human Resources Analyst	Human Resources	5/4/2020	Coronavirus and COVID-19	Learnport
Department Assistant	Administrative Services	5/4/2020	Preventing Bullying and Harassment in the Workplace	Pryor Learning
Department Assistant	Administrative Services	5/4/2020	Understanding Employee Discrimination: Employee Edition	Pryor Learning
Senior Operator	Water Operations	5/4/2020	Canv Water Audit Data Validation	AWWA
Office Assistant	Administrative Services	5/5/2020	Customizing Options and Using Document Views in Word 2016	Skills Path
Department Assistant	Administrative Services	5/5/2020	Human Resources for Anyone with Newly Assigned HR Responsibilities	Pryor Learning
Department Assistant	Administrative Services	5/6/2020	A Crash Course for First Time Manager or Supervisor	Pryor Learning
Department Assistant	Administrative Services	5/7/2020	Criticism and Discipline Skills for Managers or Supervisors	Pryor Learning
Senior Operator	Water Operations	5/7/2020	Storm Water Management: Storm Water Pollution Prevention Plan (SWPPP)	AWWA
Senior Operator	Water Operations	5/7/2020	Water Industry Aquifer Remediation	AWWA
Department Assistant	Administrative Services	5/8/2020	Using Emotional Intelligence	Pryor Learning
Department Assistant	Administrative Services	5/8/2020	A Guide to Workers' Compensation	Pryor Learning



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Human Resources Analyst(s)	Human Resources	5/11/2020	PIHRA COVID-19 Episode 9: COVID-19 and Coronavirus Issues for Employers 3.0: Getting Back to Work	PIHRA
Department Assistant	Administrative Services	5/11/2020	Power of Positive Discipline	Association of California Water Agencies Joint Powers Insurance Authority
Department Assistant	Administrative Services	5/11/2020	Performance Appraisals	Association of California Water Agencies Joint Powers Insurance Authority
Department Assistant	Administrative Services	5/11/2020	Documentation Made Easy	Association of California Water Agencies Joint Powers Insurance Authority
Department Assistant	Administrative Services	5/12/2020	How Personality Effects Behavior	Pryor Learning
Department Assistant	Administrative Services	5/12/2020	Managing Conflict: A Collaborative Approach	Pryor Learning
Department Assistant	Administrative Services	5/12/2020	Survive 10 of the Toughest Conversations Every Supervisor Dreads	Pryor Learning
Field Customer Service Representative II	Water Operations	5/12/2020	Water Industry Welding Safety	AWWA
Department Assistant Human Resources Analyst	Administrative Services Human Resources	5/12 -13/2020	Human Resources Boot Camp for Special Districts	California Special Districts Association
Office Assistant	Administrative Services	5/13/2020	Headers, Footers, Page Numbering and Layout in Word 2016	Skills Path
Department Assistant	Administrative Services	5/13/2020	Time Management Skills Series	Pryor Learning
Department Assistant	Administrative Services	5/13/2020	Exempt vs. Non-Exempt 2020: Finding and Fixing Misclassification Mistakes	Pryor Learning
Department Assistant	Administrative Services	5/13/2020	How to Overcome Disruptive Workstyle Differences	Pryor Learning
Field Customer Service Representative II	Water Operations	5/13/2020	Canv Flexible and Affordable Meter Reading Technology	AWWA
Human Resources Analyst	Human Resources	5/14/2020	Supervisor's Guide to Public Sector Employment Law	Liebert Cassidy Whitmore
Administrative Services Manager	Administrative Services	5/14/2020	Supervisor's Guide to Public Sector Employment Law Webinar Consortium	OC Employment Relations



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Department Assistant	Administrative Services	5/14/2020	The Essentials of HR Law	Pryor Learning
Human Resources Analyst	Human Resources	5/14 & 5/21/2020	Academy for Leaders/Leadership Skill Building Day 3 & 4	Regional Government Services
Human Resources Analyst	Human Resources	5/15/2020	Conducting an Effective Hiring Interview	Learnport
Human Resources Analyst	Human Resources	5/15/2020	Managing in a Crisis	Learnport
Department Assistant	Administrative Services	5/18/2020	Simple Scripts for Problems at Work	Pryor Learning
Department Assistant	Administrative Services	5/18/2020	Transitioning from Staff to Supervisor	Pryor Learning
Operator II	Water Operations	5/18/2020	Water Industry General Construction Safety	AWWA
Office Assistant	Administrative Services	5/19/2020	Using the Navigation Pane and Creating Lists in Word 2016	Skills Path
Department Assistant	Administrative Services	5/19/2020	Strategic Problem Solving for Better Decision Making	Pryor Learning
Department Assistant	Administrative Services	5/19/2020	Teams that Work	Pryor Learning
Department Assistant	Administrative Services	5/20/2020	How to Manage, Train, and Motivate the Change-Resistant Employee	Pryor Learning
Department Assistant	Administrative Services	5/20/2020	Effective Negotiation Tactics for Supervisors	Pryor Learning
Department Assistant	Administrative Services	5/20/2020	Employee Privacy	Pryor Learning
Department Assistant	Administrative Services	5/21/2020	Effective Emergency Management & Disaster Planning	Pryor Learning
Department Assistant	Administrative Services	5/21/2020	Building Teamwork One Individual at a Time	Pryor Learning
Department Assistant	Administrative Services	5/21/2020	How to Avoid the Most Common Mistakes New Manager Makes	Pryor Learning
Operator II	Water Operations	5/21/2020	Water Industry HAZMAT Transportation	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Operator II	Water Operations	5/21/2020	Water Industry Incident Investigation	AWWA
Operator II	Water Operations	5/21/2020	Water Industry Indoor Air Quality	AWWA
Operator II	Water Operations	5/21/2020	Water Industry Industrial Ergonomics	AWWA
Department Assistant	Administrative Services	5/22/2020	Assertive Communication Skills for Managers	Pryor Learning
Department Assistant	Administrative Services	5/22/2020	Understanding Family Medical Leave Act versus Emergency Paid Sick Leave	Pryor Learning
Human Resources Analyst	Human Resources	5/27/2020	Bring Your Remote Employees Back To The Office	Pridestaff
Department Assistant	Administrative Services	5/27/2020	Employment Laws: What Supervisors Need to Know	Association of California Water Agencies Joint Powers Insurance Authority
Department Assistant	Administrative Services	5/27/2020	Sexual Harassment: Free Workplace for Staff	Association of California Water Agencies Joint Powers Insurance Authority
Department Assistant	Administrative Services	5/27/2020	Hiring Practices	Association of California Water Agencies Joint Powers Insurance Authority
Financial Services Assistant	Financial Services	5/27/2020	CAL OES Procurement training	FEMA
Department Assistant	Administrative Services	5/28/2020	Leadership, Team-Building and Coaching Skills for Managers and Supervisors	Pryor Learning
Department Assistant	Administrative Services	5/28/2020	What's in a Drop of Water: Debunking the Myths Surrounding Tap and Bottled Water	Orange County Water District
Office Assistant	Administrative Services	5/28/2020	Understanding the Brown Act	California Special Districts Association
Customer Service Representatives II	Customer Services	5/28/2020	Check deposit	Premier Pacific Bank
Field Customer Service Representative II	Water Operations	5/28/2020	Canv Setting Rates is a Tough Economy	AWWA
Office Assistant	Administrative Services	5/29/2020	Using Illustrations, Styles and Themes in Word 2016	Skills Path
Department Assistant	Administrative Services	6/1/2020	Legally Terminate an Employee: 10 Critical Things You Must Know	Pryor Learning



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Department Assistant	Administrative Services	6/2/2020	OSHA Compliance	Pryor Learning
Department Assistant	Administrative Services	6/3/2020	Medical OSHA Compliance	Pryor Learning
Department Assistant	Administrative Services	6/3/2020	OSHA Workplace Safety for HR Professionals	Pryor Learning
Department Assistant	Administrative Services	6/4/2020	OSHA Compliance Update: MSDS to SDS Safety	Pryor Learning
Department Assistant	Administrative Services	6/7/2020	Workplace Violence	Target Solutions
Department Assistant	Administrative Services	6/7/2020	Setting Effective Goals for Target	Target Solutions
Office Assistant	Administrative Services	6/8/2020	Designing and Formatting Illustrations in Word 2016	Skills Path
Office Assistant	Administrative Services	6/9/2020	Advanced Table Customization in Word 2016	Skills Path
Department Assistant	Administrative Services	6/9/2020	OSHA Record-Keeping Compliance	Pryor Learning
Department Assistant	Administrative Services	6/9/2020	Human Resources Law Update 2020	Pryor Learning
Department Assistant	Administrative Services	6/9/2020	How to Clearly Communicate Employee Benefits	Pryor Learning
Human Resources Analyst	Human Resources	6/10/2020	FMLA Communication: Getting the conversation right	J. J. Keller
Department Assistant	Administrative Services	6/10/2020	How to Identify and Prevent Workplace Sexual Harassment	Pryor Learning
Department Assistant	Administrative Services	6/11/2020	Electronic Record Keeping for HR Professionals	Pryor Learning
Office Assistant	Administrative Services	6/15/2020	Maintaining, Protecting, and Reviewing Documents in Word 2016	Skills Path
Department Assistant	Administrative Services	6/15/2020	Conduct Effective Interviews and Hire the Right People	Pryor Learning
Department Assistant	Administrative Services	6/16/2020	Guide to Human Resources Basics	Pryor Learning
Department Assistant	Administrative Services	6/16/2020	Become a Followable Leader	Pryor Learning



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Customer Service Representatives II	Customer Services	6/16/2020	Check deposit/check scanner/ACH files	Premier Pacific Bank
Department Assistant	Administrative Services	6/17/2020	How to Succeed as a HR Department	Pryor Learning
Department Assistant	Administrative Services	6/18/2020	FMLA Compliance	Pryor Learning
Office Assistant	Administrative Services	6/22/2020	References, Proofing, Mail Merges and Forms in Word 2016	Skills Path
Department Assistant	Administrative Services	6/22/2020	Disability Discrimination and Accommodation	Pryor Learning
Office Assistant	Administrative Services	6/23/2020	77-725 Word 2016: Core Document Creation, Collaboration, and Communication	Skills Path
Office Assistant	Administrative Services	6/23/2020	Sharing and Collaborating on Documents in Word 2016	Skills Path
Customer Service Representatives II	Customer Services	6/23/2020	Lockbox	Premier Pacific Bank
Department Assistant	Administrative Services	6/24/2020	Timely HR Issues	Pryor Learning
Department Assistant	Administrative Services	6/25/2020	Employment Law	Pryor Learning
Customer Service Representatives II	Customer Services	6/25/2020	Coming back to the office: Covid	WEROC
Human Resources Analyst	Human Resources	6/17 & 25/2020	Maximizing Supervisory Skills for the First Line Supervisory - Part 1 & Part 2	Liebert Cassidy Whitmore
Water Use Efficiency Analyst	Customer Services	Various	Irrigation Technology Webinars	WeatherTRAK
Water Use Efficiency Analyst	Customer Services	Various	Irrigation Hardware & Scheduling Webinars	Ewing Irrigation
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Materials Handling, Storage, Use, & Disposal	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II's	Water Operations	Various Dates in April	Water Industry Personal Protective Equipment	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Slips, Trips, and Falls Prevention	AWWA
Operator II Senior Operator	Water Operations	Various Dates in April	Water Industry Disaster Preparedness	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Disinfection Basics	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Eye Safety	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Fall Protection	AWWA
Facility Maintenance Worker Operator II	Water Operations	Various Dates in April	Water Industry Filtration Basics	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Hazard Communication	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April	Water Industry HAZMAT Spill Prevention & Control	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Lock-Out / Tag-Out	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April	Water Industry Back Injury Prevention	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's		Various Dates in April and May	Canv Desalination	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators	Water Operations	Various Dates in April and May	Canv Backflow Prevention and Cross Connection Control	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	CANV Distribution Materials and Equipment Module 1	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Field Customer Service Representative II's Operator I's Operator II's Senior Operators	Water Operations	Various Dates in April and May	CANV Distribution Materials and Equipment Module 2	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	CANV Distribution Materials and Equipment Module 3	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I	Water Operations	Various Dates in April and May	Canv Disinfection and Water Quality Treatment (Plant to Tap)	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Distribution Service to Customers Module 1	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Distribution Service to Customers Module 2	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Distribution Service to Customers Module 3	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Emergency Communications	AWWA



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv History of Water Quality	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Pipeline Rehabilitation	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Recycled Water & Water Reuse	AWWA
Facility Maintenance Worker I Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Water Service Connections - Module 1	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Water Use Efficiency Grade 1 Part 1 & Part 2	AWWA
Field Customer Service Representative II's Operator I's Operator II's Senior Operators Water Quality Technician I's	Water Operations	Various Dates in April and May	Canv Water Use Efficiency Grade 2 Part 1 & Part 2	AWWA
Facility Maintenance Worker Field Customer Service Representative II Operator II Senior Operator	Water Operations	Various Dates in April and May	Water Industry Asbestos Awareness	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Backflow Prevention Methods	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Backflow Prevention Overview	AWWA
Facility Maintenance Worker Field Customer Service Representative's Operator II	Water Operations	Various Dates in April and May	Water Industry Building Evacuation and Emergencies	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Coagulation, Flocculation and Sedimentation	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Combustible & Flammable Liquids	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Compressed Gas Safety	AWWA
Facility Maintenance Worker Operator II Senior Operator	Water Operations	Various Dates in April and May	Water Industry Confined-Space Entry	AWWA



FY20 Quarterly Training Report

4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Corrosion Control	AWWA
Facility Maintenance Worker Operator II	Water Operations	Various Dates in April and May	Water Industry CPR Academic	AWWA
Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Distribution Service to Customers	AWWA
Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Distribution System Materials and Equipment	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Effective Meter Reading	AWWA
Field Customer Service Representative I Senior Operator	Water Operations	Various Dates in April and May	Water Industry Emergency Response to Terrorism (MOD #1) (MOD #2) & (MOD #3)	AWWA
Operator II Senior Operator	Water Operations	Various Dates in April and May	Water Industry General First Aid Part 1 & Part 2	AWWA
Field Customer Service Representative I Operator II	Water Operations	Various Dates in April and May	Water Industry General Office Ergonomics	AWWA



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Ground Water Treatment	AWWA
Facility Maintenance Worker Field Customer Service Representative's Operator II	Water Operations	Various Dates in April and May	Water Industry Hand & Power Tool Safety	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Laboratory Safety	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Hydraulics	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Ladder & Scaffolding Safety	AWWA
Operator II Senior Operator	Water Operations	Various Dates in April and May	Water Industry Machine Guarding	AWWA
Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Water Quality Technician II's	Water Operations	Various Dates in April and May	Water Industry Maintenance on Pumps, Motors, and Circuits	AWWA



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4th Quarter April 1, 2020 - June 30, 2020

Position	Department	Date of Training	Type of Training	Organization
Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Mathematics Applied	AWWA
Construction Inspector Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Storm Water Pollution Prevention	AWWA
Construction Inspector Facility Maintenance Worker Field Customer Service Representative II's Operator I Operator II Senior Operator's Water Quality Technician II	Water Operations	Various Dates in April and May	Water Industry Water Main Installation	AWWA
Facility Maintenance Worker Field Customer Service Representative II	Water Operations	Various Dates in April and May	Water Industry Working in Extreme Temperatures	AWWA
Field Customer Service Representative II Operator I Senior Operator	Water Operations	Various Dates in May	Canv Jar Testing	AWWA



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Phil Lauri, P.E., Assistant General Manager
DATE: August 13, 2020
SUBJECT: Chandler & Croddy Wells and Pipeline Project Well Drilling

RECOMMENDATION

Award a contract to Zim Industries dba Bakersfield Well and Pump for \$2,955,632 and a 10% contingency of \$295,563 for a total contract amount not to exceed \$3,251,195 for the drilling of Chandler Well No. 12 and Croddy Well No. 14.

STRATEGIC PLAN

Goal #1: Provide a safe, abundant, and reliable water supply.
Goal #2: Practice perpetual infrastructure renewal and improvement.

PRIOR BOARD ACTION/DISCUSSION

At its August 10, 2017 meeting, the Board of Directors (Board) awarded a contract to Tetra Tech, Inc. (Tetra Tech) for \$920,000 and a 10% contingency for an amount not to exceed \$1,012,000 to provide professional engineering design and permitting services for the West Chandler Avenue Well, the South Croddy Way Well, and the Pipeline Project.

At its September 19, 2017 meeting, the Engineering and Operations (E&O) Committee received information that a Request for Proposals for Construction Management Services was being solicited.

At its December 14, 2017 meeting, the Board authorized staff to proceed with Layout Scenario No. 3 Well Site design.

At its February 8, 2018 meeting, the Board awarded a contract with Butier Engineering, Inc. in the amount of \$972,480 and a 10% contingency for an amount not to exceed \$1,069,728 to provide professional Construction Management Services for the Chandler & Croddy Wells and Pipeline Project.

At its October 9, 2018 Board workshop, the Board received information regarding the design of the Chandler & Croddy Wells and Pipeline Project.

At its January 15, 2019 meeting, the E&O Committee received an update on the Chandler & Croddy Wells and Pipeline Project and information on the preparation of the Mitigated Negative Declaration (MND) in compliance with the California Environmental Quality Act (CEQA).

At its February 19, 2019 meeting, the E&O Committee received an update that the draft MND was prepared in accordance with CEQA guidelines and that the 30-day public review and comment period was to begin.

At its April 11, 2019 meeting, the Board conducted a public hearing and voted to adopt Resolution No. 1522 Mitigated Negative Declaration for Well Nos. 12 and 14 and Pipeline Project.



At its May 27, 2020 meeting, the Board received information on the plan to award four contracts for the construction of the Chandler & Croddy Wells and Pipeline Project, including Demolition, Well Drilling, Well Equipping, and Pipeline Construction.

At its July 9, 2020 meeting, the Board awarded a contract to Standard Demolition, Inc. for the demolition of the existing buildings at the Chandler and Croddy well site properties.

BACKGROUND

As part of the 2014 Master Plan, the Board adopted a policy for Mesa Water District's (Mesa Water®) local water supply reliability to be at least 115% of water demand. This requirement will provide Mesa Water with the additional assurance to meet its demands with local groundwater supplies during peak demand periods and when water production facilities are undergoing routine maintenance.

In March 2017, Mesa Water purchased a 0.42-acre lot containing a 10,000 square-foot industrial/commercial building at 4011 West Chandler Avenue in the City of Santa Ana. The lot is located approximately 0.6 miles outside of Mesa Water's service area and is intended to house a new well that will provide additional water supply and reliability to the District. In August 2017, Mesa Water purchased an additional property at 3120 South Croddy Way in the City of Santa Ana. This property is 0.5 acres and contains a 6,700 square foot industrial/commercial building. This new well site is approximately 0.2 miles outside the District service area. The Class 4 construction cost estimate of the wells and pipeline is approximately \$12MM and \$2.7MM, respectively. To offset some of the costs of the new wells, staff is working with Orange County Water District on grant funding of \$1.6MM.

DISCUSSION

The Chandler & Croddy Wells and Pipeline Project design packages have been completed and are being put into the bid and award process. Phased bid packages include the following:

1. **Demolition:** Awarded July 2020
2. **Well Drilling:** Award in August 2020
3. **Well Equipping/Site Work:** Award in November 2020
4. **Pipeline Construction:** Award in November 2020

The Request for Bids (RFB) for well drilling was developed and sent to six recommended water well drilling contractors. A job walk was attended by four of the six contractors, and all four job walk attendees submitted bids. The bids are summarized as follows:

Rank	Bidder	Bid
1	Zim Industries (dba Bakersfield Well and Pump)	\$2,955,632
2	Best Drilling and Pump	\$3,406,330
3	Southwest Pump and Drilling	\$3,676,098
4	Layne Christensen	\$4,265,538

The Engineer's Estimate for this project is \$4,000,000. Zim Industries brings excellent experience in the well drilling industry and its satisfactory completion of municipal water wells has been verified by



the project hydrogeologist. Staff recommends that the Board consider awarding a contract to Zim Industries dba Bakersfield Well and Pump for \$2,955,632 and a 10% contingency of \$295,563 for a total contract amount not to exceed amount of \$3,251,195 for the drilling Chandler Well No. 12 and Croddy Well No. 14.

FINANCIAL IMPACT

In Fiscal Year 2021, \$7,283,650 is budgeted for the construction phase of the Chandler & Croddy Wells and Pipeline Project; no funds have been spent to date in this fiscal year.

	<u>Project Estimate Amounts</u>	<u>Project Cost Amounts</u>
Initial Project Estimate (2021)	\$ 17,200,000	
Original Contracts		\$ 1,892,480
Change/Task Orders		\$ 566,810
Requested Funding		<u>\$ 3,251,195</u>
Revised Contracts		<u>\$ 5,710,485</u>
Actual Spent to Date		\$ 922,915
Revised Project Estimate	\$ 17,200,000	

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Phil Lauri, P.E., Assistant General Manager
DATE: August 13, 2020
SUBJECT: Capital Improvement Program Renewal On-Call Construction Management Services

RECOMMENDATION

Approve on-call professional construction management and inspection services contracts for the Capital Improvement Program Renewal in the amounts of \$1.1MM for Fiscal Year 2021, \$1.6MM for Fiscal Year 2022, and \$1.1MM for Fiscal Year 2023, with the option for two annual renewals of \$500,000 per year, for a total contract authorization amount not to exceed \$4.8MM to be distributed to the following five firms: Black and Veatch, Butier Engineering, Inc., CDM Smith, Inc., Michael Baker International, and MWH Constructors.

STRATEGIC PLAN

Goal #2: Practice perpetual infrastructure renewal and improvement.
Goal #4: Increase public awareness about Mesa Water® and about water.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

At its November 14, 2019 workshop, the Board of Directors (Board) provided direction to staff to develop funding options to complete the next phase of projects from the 2014 Capital Improvement Program Master Plan Update.

At its February 18, 2020 meeting, the Engineering and Operations (E&O) Committee directed staff to develop financial funding options for the Capital Improvement Program Renewal (CIPR).

At its March 12, 2020 meeting, the Board approved the proposed CIPR. In addition, the Board received an information item outlining the Issuance of Certificates of Participation (COPs) schedule.

At its March 17, 2020 meeting, the E&O Committee directed staff to pursue COPs of \$70MM to fund the CIPR.

At its April 9, 2020 meeting, the Board received an update that a solicitation for on-call professional design services would be initiated to support the CIPR.

At its May 14, 2020 meeting, the Board approved contracts for CIPR professional design services with Brown and Caldwell, Carollo Engineers, Inc., HDR Engineering, Inc., NV5, Tetra Tech, Inc., and Water Systems Consulting, Inc.

BACKGROUND

The 2014 Water System Master Plan Update (Master Plan) included a Capital Improvement Plan (CIP) with \$272MM of proposed CIP projects (near-term/\$48MM and long-term/\$224MM). These projects were prioritized and categorized based on condition assessment, remaining useful life,



and water supply needs to meet future population growth and continued 100% local reliability. With many of the Priority 1 projects completed or in progress, Mesa Water is focusing on the Priority 2 and 3 projects. Due to a low interest rate environment, Mesa Water has procured Certificates of Participation (COPs) funding for its Capital Improvement Program Renewal (CIPR) to construct a considerable amount of the remaining Master Plan Priority 1 projects and pending Priority 2 and 3 projects.

Mesa Water's CIPR initiative is divided into five main program disciplines that complement the Master Plan:

- Wells
- Reservoirs
- Distribution
- Routine Capital
- Facilities

Project prioritization is based on input from several key stakeholders, including the District's Board, Water Operations Department, Information Technology consultants, Management Team, and the Master Plan condition assessment.

DISCUSSION

The CIPR will be managed by Mesa Water's Engineering Department with support from other departments (e.g., Operations, Administrative Services, Finance, etc.). Mesa Water uses a Program Manager Model (PMM) to manage and deliver its regular CIP each year. This approach uses external consulting professional services to provide design, construction management, and inspection services. The Routine Operations Program is typically constructed by Mesa Water staff. Three programs in the CIPR - Reservoirs, Distribution, and Facilities - will require professional construction management and inspection services to deliver the projects within these programs. These projects include:

1. Reservoirs:
 - a. Reservoir Chemical Management System
 - b. Reservoir Pump/Motor/Engine and Control System Replacements
 - c. MWRF Back-up Power
2. Distribution:
 - a. Vault Rehabilitations/Abandonments
 - b. 200+ Mainline Valve Replacements
 - c. Pipeline Replacements (~4 mi of 6" to 12")
 - d. 260+ Service Line Replacements
 - e. Cathodic Protection Systems Rehabilitation
3. Facilities:
 - a. District-wide Security System
 - b. MWRF Outreach Center
 - c. Well Parts Storage Building
 - d. Dewatering Pit



CIPR Construction Management and Inspection Consultant Selection

A Request for Qualifications for CIPR Construction Management and Inspection Services (CM) was developed and sent to eleven qualified consultants. Statements of Qualifications (SOQ) were received from seven of the eleven firms. The SOQs were reviewed and ranked by a Mesa Water selection committee. Review of the proposing teams' rates were within standard industry rates for professional CM services as experienced from other CM efforts seen by Mesa Water. The top ranked firms, in alphabetical order, are as follows:

- Black and Veatch
- Butier Engineering, Inc.
- CDM Smith, Inc.
- Michael Baker International
- MWH Constructors

These firms will provide competitive task-order proposals for all CIPR CM services to ensure competitiveness is achieved during the CM process. Mesa Water staff will issue approval of task orders based on:

- Competitiveness
- Available Team Resources
- Project Specific Experience

Staff recommends that the Board approve professional CIPR CM contracts in the amounts of \$1.1MM for FY 2021, \$1.6MM for FY 2022, and \$1.1MM for FY 2023, with the option for two annual renewals of \$500,000 per year, for a total contract authorization amount not to exceed \$4.8MM to be distributed to the following five firms: Black and Veatch, Butier Engineering, Inc., CDM Smith, Inc., Michael Baker International, and MWH Constructors.

FINANCIAL IMPACT

In Fiscal Year 2021, no funds have been spent on CIPR CM services.

ATTACHMENTS

Attachment A: On-Call Construction Management and Inspection Services Rate Sheets



PROPOSED RATE SHEET

Client:	Mesa Water District
RFQ Title:	Construction Management Service for the Capital Improvement Program Renewal
Prime Consultant Name:	Black & Veatch Corporation
Subconsultant Names:	As shown below

CLASSIFICATION TITLE	FIRM NAME	HOURLY BILL RATE
Project Director	Black & Veatch	\$290
Program Manager	Black & Veatch	\$225
Construction Manager	Black & Veatch	\$225
Resident Engineer	Black & Veatch	\$150 to \$190
Constructability Reviewer	Black & Veatch	\$275
	ON-SITE Technical Services	\$175
Cost Estimator	Black & Veatch	\$210
Document Control	Black & Veatch	\$100
Schedule Reviewer	Black & Veatch	\$175
Claims Manager	Black & Veatch	\$190
Lead Inspector	Black & Veatch	\$150 PW (DIR Gr 2) to \$190
	Kleinfelder	\$150 PW (DIR Gr 2)
Electrical and I&C Inspector	Rockwell Construction Services	\$165
Trenchless Specialist	Black & Veatch	\$190
SWPPP Monitor	Kleinfelder	\$200
Roof Inspector	Kleinfelder	\$140 PW (DIR Gr 1)
Material Inspection Technician	Converse Consultants	\$125 PW (DIR Gr 1)
	Ninyo & Moore	\$108 PW (DIR Gr 1)
Hazardous Materials Technician	Kleinfelder	\$170
Soils and Materials Testing	Converse Consultants	\$125 PW (DIR Gr 1)
	Ninyo & Moore	\$108 PW (DIR Gr 1)
Structural Inspector	Kleinfelder	\$150 PW (DIR Gr 2)
	Converse Consultants	\$125 PW (DIR Gr 2)
	ON-SITE Technical Services	\$150 PW (DIR Gr 2)
Geotechnical Inspector	Kleinfelder	\$200
Surveyor	Coast Surveying	\$177.59
Mechanical Inspector	ON-SITE Technical Services	\$175
Environmental Coordinator	Helix Environmental	\$190 to \$220
Fabrication Inspector	ON-SITE Technical Services	\$96
Welding Inspector	Kleinfelder	\$160 PW (DIR Gr 3)
	ON-SITE Technical Services	\$150 PW (DIR Gr 3)
Testing and Startup Specialist	Black & Veatch	\$225 to \$250
	ON-SITE Technical Services	\$175
Specialist – Treatment	Black & Veatch	\$275
Specialist – Engine Generators	Black & Veatch	\$210
Specialist – Instrumentation & Controls	Black & Veatch	\$175
Specialist – Electrical Engineer	Black & Veatch	\$260

Specialist – Civil	Black & Veatch	\$220
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ITEMS/EXPENSES
1. Annual billing rate escalation shall be per the annual LA/OC (Los Angeles-Long Beach-Anaheim Metropolitan Area) “All Items” CPI at the contract anniversary date.
2. Per diem (if required) will be expensed at the current General Services Administration (GSA) rate.
3. All rates above are straight-time rates. Separate overtime rates apply if warranted.

July 23, 2020

Mesa Water District
1965 Placentia Avenue
Costa Mesa, CA 92627-3420
Attn: Karyn Igar, P.E.

Subject: Proposal to Provide Construction Management Services for the Capital Improvement Program Renewal

Dear Ms. Igar:

Butier Engineering, Inc. is pleased to present one (1) electronic PDF version of the Rate Schedule for the Capital Improvement Program Renewal. Our submittal is fully responsive to the RFQ issued on June 23, 2020.

The objective of our staffing plan is to take full advantage of our local project resources. The final staffing plan for each project will be based on the approved schedules furnished by the construction contractors.

Rates for the Construction Management Team

Vehicle mileage, computers, computer software, printers, cell phone service, broadband service, delivery service, mail, 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 shall be billed at the attached rates per labor hour charged to the project. **Rates will be maintained for the three-year contact period.** We anticipate each Task Order will require the submittal of a project specific scope.

Excluded from Rates


Trailer rental costs, installation of utilities, cost of utilities, cost of sanitary services, broadband / high speed connections, janitorial, furniture, travel and per diem outside the District's service area for local in-plant fabrication inspection.

Legal

All sub-consultants will be bound to the final terms and conditions of the prime agreement.

If you have any questions regarding our proposal, please direct them to me for clarification at (714) 832-7222.

Respectfully Yours,
Butier Engineering, Inc.


Mark M. Butier, Jr.
President/CFO

17822 E. 17th Street
Suite 404
Tustin, CA 92780
Tel (714) 832-7222
Fax (714) 832-7211

BUTIER
Construction Managers, Consulting Engineers

Mesa Water District
Construction Management Services for the Capital Improvement Program Renewal
Summary of Hourly Rates & Costs

Classification	Firm	Personnel	Standard Hourly Rate	Overtime Hourly Rate	Double Time Hourly Rate
CONSTRUCTION MANAGEMENT, INSPECTION, ADMINISTRATIVE: BUTIER ENGINEERING					
Project Director	Butier	See Org Chart	\$210.00		
Construction Manager(s)	Butier		\$215.00		
Senior Scheduler	Butier		\$215.00		
Resident Engineer(s)	Butier		\$200.00		
Technical Advisor(s)	Butier		\$205.00		
Field Engineer(s)	Butier		\$175.00		
Electrical Inspection	Butier		\$180.00		
Document Control IT Specialist	Butier		\$154.00		
Inspector: Supervisory	Butier		\$154.00	\$181.00	\$208.00
Inspector: Specialty	Butier		\$150.00	\$176.00	\$202.00
Inspector: General	Butier		\$144.00	\$168.00	\$191.00
MATERIALS & SPECIALTY INSPECTION: NINYO & MOORE					
Principal Project Engineer / Geologist	Ninyo & Moore	See Org Chart	\$195.00		
Senior Project Engineer / Geologist	Ninyo & Moore		\$190.00		
Field Technician / Inspector	Ninyo & Moore		\$119.00		
CAD Operator / Technical Illustrator	Ninyo & Moore		\$105.00		
Data Processing / Technical Editing	Ninyo & Moore		\$78.00		
Sample Pick-Ups	Ninyo & Moore		\$82.00		
Vehicle & Equipment	Ninyo & Moore		\$10.00		
Lab Analysis: Proctor Density	Ninyo & Moore		\$220.00		
Lab Analysis: Sieve Analysis	Ninyo & Moore		\$145.00		
Lab Analysis: Sand Equivalent	Ninyo & Moore		\$125.00		
Lab Analysis: Hveem Stability & Unit Weight	Ninyo & Moore		\$225.00		
Lab Analysis: Concrete Compressive Strength	Ninyo & Moore		\$35.00		
Lab Analysis: Mortar & Grout Compressive Strength	Ninyo & Moore		\$55.00		
Lab Analysis: Masonry Prism Compressive Strength	Ninyo & Moore		\$200.00		
IN-PLANT FABRICATION & FIELD WELDING INSPECTION: ON-SITE TECHNICAL					
Principal Start-Up Engineer	On-Site	K. Kreeger	\$175.00		
Start-Up Engineer, Mech.	On-Site	R. Grounds	\$170.00		
Project Manager/ Lead Inspector	On-Site	R. Coleman	\$170.00		
Field Inspector (CWI, NACE, ACI)	On-Site	TBD	\$150.00	\$170.00	\$195.00
Coordinator	On-Site	TBD	\$130.00		
Factory Inspector	On-Site	TBD	\$ 96.00	\$128.00	\$138.00
ENVIRONMENTAL: HELIX ENVIRONMENTAL PLANNING					
Please See attached					
RADIOGRAPHIC TESTING: ND TESTING, INC.					
Please See attached					
SURVEYING: TURNPOINT GEOMATICS					
Please See attached					

Notes

1. Contract rate escalation will be tied to Regional CPI
2. Task Order specific ODC's will be submitted prior to execution of Task Order NTP.
3. Additional Labor Categories may be added by Mesa or Butier to address Task Order specific demands.
4. Butier reserves the right to add or delete sub-consultants.

Schedule of Fees

Hourly Charges for Personnel

Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist	\$ 195
Senior Engineer/Geologist/Environmental Scientist	\$ 190
Senior Project Engineer/Geologist/Environmental Scientist	\$ 185
Project Engineer/Geologist/Environmental Scientist	\$ 175
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 150
Staff Engineer/Geologist/Environmental Scientist	\$ 145
GIS Analyst	\$ 125
Technical Illustrator/CAD Operator	\$ 103

Field Staff

Certified Asbestos/Lead Technician	\$ 185
Field Operations Manager	\$ 125
Nondestructive Examination Technician (UT, MT, LP)	\$ 119
Supervisory Technician	\$ 115
Special Inspector (Concrete, Masonry, Structural Steel, Welding, and Fireproofing)	\$ 109
Senior Technician	\$ 108
Technician	\$ 103

Administrative Staff

Information Specialist	\$ 85
Geotechnical/Environmental/Laboratory Assistant	\$ 80
Data Processor	\$ 75

Other Charges

Concrete Coring Equipment (includes technician)	\$ 190/hr
Anchor Load Test Equipment (includes technician)	\$ 190/hr
GPR Equipment	\$ 180/hr
Inclinometer	\$ 100/hr
Hand Auger Equipment	\$ 80/hr
Rebar Locator (Pachometer)	\$ 25/hr
Vapor Emission Kit	\$ 65/kit
Nuclear Density Gauge	\$ 12/hr
X-Ray Fluorescence	\$ 70/hr
PID/FID	\$ 25/hr
Air Sampling Pump	\$ 10/hr
Field Vehicle	\$ 15/hr
Expert Witness Testimony	\$ 450/hr
Direct Expenses	Cost plus 15 %
Special equipment charges will be provided upon request.	

Notes

For field and laboratory technicians and special inspectors, overtime rates at 1.5 times the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and all day on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day, all day Sunday and on holidays.

Field technician and special inspection hours are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours.

Invoices are payable upon receipt. A service charge of 1.5 percent per month may be charged on accounts not paid within 30 days.

Our rates will be adjusted in conjunction with the increase in the Prevailing Wage Determination during the life of the project, as applicable.

The terms and conditions are included in Ninyo & Moore's Work Authorization and Agreement form.

Schedule of Fees for Laboratory Testing

SOILS

Atterberg Limits, D 4318, CT 204	\$ 170
California Bearing Ratio (CBR), D 1883	\$ 550
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation, Hydro-Collapse only, D 2435	\$ 150
Consolidation – Time Rate, D 2435, CT 219	\$ 200
Direct Shear – Remolded, D 3080	\$ 350
Direct Shear – Undisturbed, D 3080	\$ 300
Durability Index, CT 229	\$ 175
Expansion Index, D 4829, IBC 18-3	\$ 190
Expansion Potential (Method A), D 4546	\$ 170
Geofabric Tensile and Elongation Test, D 4632	\$ 200
Hydraulic Conductivity, D 5084	\$ 350
Hydrometer Analysis, D 422, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 35
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, CT 220	\$ 300
pH and Resistivity, CT 643	\$ 175
Proctor Density D1557, D 698, CT 216, AASHTO T-180	\$ 220
Proctor Density with Rock Correction D 1557	\$ 340
R-value, D 2844, CT 301	\$ 375
Sand Equivalent, D 2419, CT 217	\$ 125
Sieve Analysis, D 422, CT 202	\$ 145
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 100
Specific Gravity, D 854	\$ 125
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 925
Triaxial Shear, C.D, D 4767, T 297	\$ 550
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 450
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 350
Triaxial Shear, U.U., D 2850	\$ 250
Unconfined Compression, D 2166, T 208	\$ 180

MASONRY

Brick Absorption, 24-hour submersion, 5-hr boiling, 7-day, C 67	\$ 70
Brick Compression Test, C 67	\$ 55
Brick Efflorescence, C 67	\$ 55
Brick Modulus of Rupture, C 67	\$ 50
Brick Moisture as received, C 67	\$ 45
Brick Saturation Coefficient, C 67	\$ 60
Concrete Block Compression Test, 8x8x16, C 140	\$ 70
Concrete Block Conformance Package, C 90	\$ 500
Concrete Block Linear Shrinkage, C 426	\$ 200
Concrete Block Unit Weight and Absorption, C 140	\$ 70
Cores, Compression or Shear Bond, CA Code	\$ 70
Masonry Grout, 3x3x6 prism compression, C 39	\$ 45
Masonry Mortar, 2x4 cylinder compression, C 109	\$ 35
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 200

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 90
Hardness Test, Rockwell, A 370	\$ 80
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 150
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 75
Structural Steel Tensile Test: Up to 200,000 lbs., A 370	\$ 90
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 80

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 35
Concrete Mix Design Review, Job Spec	\$ 300
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 850
Concrete Cores, Compression (excludes sampling), C 42	\$ 120
Drying Shrinkage, C 157	\$ 400
Flexural Test, C 78	\$ 85
Flexural Test, C 293	\$ 85
Flexural Test, CT 523	\$ 95
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 275
Lightweight Concrete Fill, Compression, C 495	\$ 80
Petrographic Analysis, C 856	\$ 2,000
Restrained Expansion of Shrinkage Compensation	\$ 450
Splitting Tensile Strength, C 496	\$ 100
3x6 Grout, (CLSM), C 39	\$ 55
2x2x2 Non-Shrink Grout, C 109	\$ 55

ASPHALT

Air Voids, T 269	\$ 85
Asphalt Mix Design, Caltrans (incl. Aggregate Quality)	\$ 4,500
Asphalt Mix Design Review, Job Spec	\$ 180
Dust Proportioning, CT LP-4	\$ 85
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 250
Extraction, % Asphalt without Gradation, D 2172, CT 382	\$ 150
Film Stripping, CT 302	\$ 120
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 225
Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Moisture Content, CT 370	\$ 95
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 150
Superpave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 4,900
Superpave, Gyration Unit Wt., T 312	\$ 100
Superpave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000
Unit Weight sample or core, D 2726, CT 308	\$ 100
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 90
Voids filled with Asphalt, (VFA) CT LP-3	\$ 90
Wax Density, D 1188	\$ 140

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 180
Cleanliness Value, CT 227	\$ 180
Crushed Particles, CT 205	\$ 175
Durability, Coarse or Fine, CT 229	\$ 205
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 220
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 200
Material Finer than No. 200 Sieve by Washing, C 117	\$ 90
Organic Impurities, C 40	\$ 90
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 1,250
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 950
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 475
Sand Equivalent, T 176, CT 217	\$ 125
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 120
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 145
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 115
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 175

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 250
Roofing Tile Strength Test, (set of 5), C 67	\$ 250

Special preparation of standard test specimens will be charged at the technician's hourly rate.
Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.



6/28/2020

Reference:

**Fee Schedule
Mesa Water District
Construction Management Service for the Capitol Improvement Program Renewal RFQ**

In response to your request, we have assembled the following information concerning the provision of Quality Assurance Services associated with the above referenced project for your review. As we discussed, *On-Site Technical Services Inc.* provides highly trained professionals strategically positioned throughout the United States. This allows us to staff most inspections with minimal travel expenses by using local inspectors.

Our international capabilities enable us to provide testing and inspection services throughout Europe, Asia, the Pacific Rim, the Middle East, Central and South America. This allows us to provide a cost-effective means of Quality Assurance to most regions of the industrialized world with minimal associated travel expense.

Since the locations of the fabricators and construction sites have not been identified we are only able to provide information, which is general in nature. It is our understanding that our scope of work will be to provide Quality Assurance Services in fabrication plants and provide construction inspection support for this project. Once these locations are determined we will be able to provide a resume of the potential inspector(s) for review. A detailed inspection plan will also be submitted for review based on the specification requirements.

Domestic Assignments:

The RFP has identified that the inspection activities at district job sites will fall under prevailing wage requirements. We have based our estimate on the current Prevailing Wage rates, taken from California State, Director of Industrial Relations web site for prevailing wage determinations.

The classification that most closely relates to our duties is “Building Construction Inspector” for Commercial Building, Highway, Heavy Construction, and Dredging projects, Determination SC-23-2-2006-D1.

Additionally, the RFQ has requested witness factory acceptance testing at locations yet to be determined. It is our understanding that this work does not fall under prevailing wage requirements. Since the location of these fabricators which would require inspection has not been identified we can only provide general information.

For budgetary purposes we request a 4% annual escalation rate in our non-prevailing wage fees.

Domestic Inspection assignments:

We have based our fee proposal with the understanding that Prevailing wage will be applicable to the services provided at district jobsite. Services provided at fabricators do not fall under prevailing wage requirement. The following table reflects our fees:

Classification	ST Rate	OT Rate	DT Rate	Mileage	Travel Time Billable
Const. inspector CWI/NACE/ACI (prevailing wage)	\$150.00	\$170.00	\$195.00	IRS	Yes
Factory inspector (non-engineer non prevailing wage)	\$96.00	\$128.00	\$138.00	IRS	Yes
Start Up Engineer	\$175	N/A	N/A	IRS	Yes
Mechanical Engineer	\$175	N/A	N/A	IRS	Yes
Instrumentation Specialist	\$175	N/A	N/A	IRS	Yes



Vehicle Costs

If an assignment at a job site requires a vehicle to travel from the job site trailer / office and the construction site the cost will be \$1200 per month including gas and insurance.

Hourly Billing Rate International Assignments

Since this contract is an on call services contract, the fabricators have not been identified, and we have not reviewed the job specifications we are only able to provide information, which is general in nature. Once the specifications are reviewed and the fabricator has been identified detailed inspection plan for the mechanical equipment will be developed. Assignments overseas will be quoted on case-by-case basis utilizing task order approach.

Note:

1. These fees detailed above apply to work in the continental United States only. The following services are considered billable: specification and submittal review, job preparation, travel and reporting time. Assignments for overseas work will be quoted on a case-by-case basis.
2. For construction inspection assignments, the above fees do not include required office supplies, cell phones and computers for construction site assignments. It is assumed that the inspector will have access to a computer at the project site and any related office supplies be provided by the project team.
3. The above prevailing wage fees are subject to annual increases in compliance with the increases required by the California State Director of Industrial Relations. Non-Prevailing wage fees are subject to a 4% annual increase. International inspection rates are subject to annual increases of 5%.
4. The above fabrication engineer is understood to cover the following services: supporting our customers, solving manufacturing problems, preinspection meetings, technical related research and meetings, and other client required visits to the manufacturer.
5. Premium rates are in effect for services in excess of 8 hours in any one day, including travel and reporting time, and for all time incurred on Saturdays, Sundays and ON-SITE Holidays. Double time will be in effect for all hours in excess of 12 hours on any weekday and in excess of 8 hours on any Sunday.
6. Per Diem and travel related costs (time and expenses) Outside of Southern California have not been included in our fee structure and are considered billable. When inspection assignments are identified, we will do our best to staff the required location with a locally based inspector. Once the closest qualified inspector has been identified, their resume will be submitted to the project team for approval. Once the inspector has been approved by the MWD, the Travel Time, and expenses will be estimated. Per Diem costs (if required) will be based on reasonable living expenses for the region the fabricator is located. The actual mileage will be charged at the current IRS rate of \$ 0.58 per mile.
7. Out-of-pocket expenses are charged at cost. Office costs including postage, phone, courier services, and copies will be charges at cost. Copies, faxes and digital photos will be charges at ON-SITE's prevailing rates. Travel related expenses are billed at cost.

CONSULTING SERVICES

Consulting services performed by HELIX typically include, but are not necessarily limited to, office, field, meetings, hearings and travel time. Consulting services for expert witness review, deposition, and/or testimony will be provided at one and one-half times our professional rates.

DIRECT COSTS

Certain identifiable direct costs will be charged to the project at cost plus ten percent. Examples of direct costs include subconsultants, vehicle or equipment rentals, airplane and train fares, parking, per diem and lodging, mileage, communications, reproduction, and supplies. A 4-wheel drive premium will be charged at \$25 per project day. There will be additional charges for plotting, color printing, aerial photographs and GPS services.

PAYMENT

Invoices will be submitted monthly. Payment on invoices is due within thirty days of receipt. If payment is not paid when due, then such sum shall bear interest at 1 ½ % per month on the unpaid balance, not to exceed the maximum legal rate of interest.

PROFESSIONAL RATES

Current hourly rates for consulting services:

Principal	\$210-230
Principal Acoustician	\$180-200
Principal Biologist	\$190-220
Principal Landscape Architect	\$160-180
Principal Permitting Specialist	\$170-220
Principal Planner	\$195-230
Principal Regulatory Specialist	\$185-220
Senior Project Manager I-III	\$150-215
Senior Air Quality Specialist	\$155-180
Senior Environmental Specialist	\$130-170
Senior Fisheries Scientist	\$200-\$230
Noise/Air Quality Specialist	\$115-145
Environmental Specialist I-III	\$85-125
Environmental Compliance Analyst	\$70
Environmental Compliance Specialist	\$115
Project Manager I-III	\$120-150
Assistant Project Manager	\$100-120
Archaeology Field Director	\$105
Staff Archaeologist	\$75-115
Senior Archaeologist	\$120-165
Historian	\$70-125
Environmental Planner I-III	\$95-120
Environmental Analyst	\$65-75
Landscape Architect	\$110-125
Senior Landscape Architect	\$130-150
Landscape Planner I-III	\$95-115
Sr. Scientist	\$130-180
Biologist I-V	\$80-130
Assistant Biologist	\$60
Senior GIS Specialist	\$125-165
GIS Specialist I-III	\$75-120
Graphics	\$115
Technical Editor	\$70-100
Operations Manager	\$105- 115
Word Processor I-III	\$65-85
Clerical	\$65-75

Rates are subject to change on a yearly basis



Non Destructive Testing Rate Sheet

Valid: July 2019-June 2020

*For FAA work, please request a different Rate Sheet

Field

Service (consumable may apply, see additional items)	Standard Rates	Prevailing Wage
Ultrasonic Level II Technician	\$ 105.00 per hour	\$ 125.00 per hour
Magnetic Particle Level II Technician	\$ 100.00 per hour	\$ 125.00 per hour
Liquid Penetrant Level II Technician	\$ 100.00 per hour	\$ 125.00 per hour
Radiography X-Ray Tube crew	\$ 120.00 per hour	\$ 200.00 per hour
Radiography Iridium 192 crew	\$ 120.00 per hour	\$ 200.00 per hour
Radiography Cobalt 60 crew	\$ 160.00 per hour	\$ 225.00 per hour
Radiography Digital	\$ 150.00 per hour	\$ 225.00 per hour
Radiography Mobile Film Development Rig	\$ 195.00 per day	\$ 225.00 per day
Assistants & General Laborers	\$ 100.00 per hour	\$ 110.00 per hour
Level III Services for each Methods	\$ 150.00 per hour	\$ 150.00 per hour
Eddy Current Level II Technician	\$ 150.00 per hour	\$ 150.00 per hour
CWI Certified Welding Inspector	\$ 150.00 per hour	\$ 150.00 per hour
API 653/510/570 Inspector	\$ 150.00 per hour	\$ 150.00 per hour
Multi-Disciplined Inspector (AWI CWI with UT, MT, & PT certs)	\$ 150.00 per hour	\$ 150.00 per hour
PMI (additional equipment charge may apply)	\$ 100.00 per hour	\$ 120.00 per hour

Lab

Magnetic Particle	\$ 90.00 per hour
Liquid Penetrant	\$ 90.00 per hour
Ultrasonic Testing	\$ 105.00 per hour
Radiography	\$ 105.00 per hour
Radiography Digital	\$ 150.00 per hour
Eddy Current	\$ 150.00 per hour
Visual Inspection	\$ 150.00 per hour
Passivation	\$ 75.00 per lot

Lab Services are offered at a 1 hour minimum charge. Call for unit pricing. Set up charges may apply to new orders.

Additional Items

Administrative	\$ 50.00 per hour
AutoCAD Services/Drafting	\$ 85.00 per hour
Project Coordination / QC	\$ 95.00 per hour
QC Source Inspector	\$ 95.00 per hour
UT Couplant - Ultragel™	\$ 60.00 per gal
Magnetic Powder	\$ 10.00 per lb
Managlo™	\$ 60.00 per gal
Bulk Penetrant	\$ 75.00 per gal
Aerosol PT / MT	\$ 18.00 per can
Radiographic Film (RT)	\$ 0.16 per sq in.
Hazardous Waste Disposal Fee (RT)	\$ 27.00 per day
Isotope Depletion (RT)	\$ 30.00 per day
Mileage	\$ 0.75 per mile
Eddy Current Standards	Quote
Lab Expedite Fee	See Terms
Standard Administration Fee	2 % invoice

Standard Terms

Standard time	Monday - Friday First 8 hours of work
Over time	Monday - Friday Over 8 hrs of work - up to 12 hrs; Saturdays - first 8 hrs
Premium time	Over 12 hours of work; Saturday after 8 hours; Sundays & Holidays - all hours
Over time rates	Overtime is billed at 150% of rate. Premium time is billed at 200% of rate.
Travel time	Portal to portal at rate of service
Minimum charge	Minimum charges will apply for 2, 4 & 8 hour blocks per attached terms.
Expedites	Lab expedites are offered at 1.5 x price for 48 hrs, 2 x price for 24 hrs. See terms for Field Expedites prices.

Company

Name Print

Signature

Date



2020 Professional Service Rate Schedule

All pricing includes insurance, supplies, overhead and profit.

<u>Office Support</u>	<u>Regular</u>	<u>Overtime</u>
• Project Manager	\$ 150.00	\$ 175.00
• Data Technician	\$ 130.00	\$ 150.00
• Office Assistant	\$ 90.00	\$ 110.00

<u>Field Support</u>	<u>Regular</u>	<u>Overtime</u>
• 1-Person Survey/Mapping Crew	\$ 160.00	\$ 185.00
• 2-Person Survey/Mapping Crew	\$ 250.00	\$ 300.00

- * Note: Overtime rate applies for all approved evening, night and weekend work
- * Outside Services and Blueprints (cost plus 10%)
- * All listed pricing valid through end of 2020

23811 WASHINGTON AVE. C110, #298, MURRIETA, CA. 92562
(951) 902-1648 WWW.TURNPOINTGEOMATICS.COM

PROPOSED RATES

FOR MESA WATER DISTRICT

July 23, 2020

Construction Management Service for the
Capital Improvement Program Renewal





46 Discovery #250
Irvine, California 92618

July 23, 2020

Karyn Igar, PE
Senior Civil Engineer
Mesa Water District
1965 Placentia Ave.
Costa Mesa, CA 92627

Subject: **Proposed Rates for Mesa Water District Construction Management Service for the Capital Improvement Program Renewal**

Dear Ms. Igar:

CDM Smith is pleased to present the enclosed proposed rates for the Mesa Water District Construction Management Service for the Capital Improvement Program Renewal Program.

These separate rates are in response to the Mesa Water's Request for Qualifications (RFQ) dated June 23, 2020 and is complementary to the statement of qualifications and construction management approach CDM Smith submitted electronically under separate cover.

Included within this document are rates for all our subconsultants. Our work will be billed on a time and materials basis, in accordance with the authorized budget and scope of individual task orders.

Within our hourly rates, we have included direct costs projected for vehicle mileage and usual photocopies required for completion of CM tasks. We understand no mark-up is allowed on our subconsultant fees. Other Direct Costs (ODC) will be billed directly to Mesa Water at the cost incurred to CDM Smith with no markup.

Should you have any questions regarding CDM Smith's submittal, please contact Roshan Aflaki at (213) 457-2143 or via email at aflakir@CDMSmith.com.

Sincerely,

A handwritten signature in blue ink that reads "Roshan Aflaki".

Roshan Aflaki
Principal-in-Charge
CDM Smith Inc.





Proposed Billing Rates

Mesa Water District

Construction Management Service for the Capital Improvement Program Renewal

CDM Smith proposes the following hourly rates, inclusive of all mileage and reprographic costs:

Role/Classification	Representative Staff in SOQ	Hourly Rate
Program Manager	Roshanak Aflaki	\$ 345.00
Construction Manager	Sean Kenney	\$ 230.00
Resident Engineer 4	Jason Yoshimura	\$ 205.00
Resident Engineer 3	Arthur Goh	\$ 195.00
Resident Engineer 2	Everett Munkowsky	\$ 170.00
Resident Engineer 1	Steve Mercer/Julia Chivington-Buck	\$ 150.00
Lead Inspector	Carlos Melvin	\$ 135.00
Constructability Advisor	Matt Smith	\$ 250.00
Senior Engineer 4	Alberto Acevedo	\$ 345.00
Senior Engineer 3	Sam Abi-Samra	\$ 320.00
Senior Engineer 2	Stephen Shumaker	\$ 285.00
Senior Engineer 1	Robert Fosse	\$ 245.00
Mid Level Engineer 4	Carlos Ortiz	\$ 225.00
Mid-Level Engineer 3	N/A	\$ 210.00
Mid-Level Engineer 2	N/A	\$ 190.00
Mid-Level Engineer 1	N/A	\$ 170.00
Junior Engineer 4	N/A	\$ 145.00
Junior Engineer 3	Sam Landsman	\$ 125.00
Document Control Manager	Monica Cha	\$ 165.00
Project Admin. Assistant 4	N/A	\$ 145.00
Project Admin. Assistant 3	N/A	\$ 135.00
Project Admin. Assistant 2	N/A	\$ 115.00
Project Admin. Assistant 1	N/A	\$ 90.00
Commercial Leader	N/A	\$ 305.00

These rates shall be escalated annually with an escalation rate equal to the annual LA/OC CPI.

These rates are intended to cover the most likely staffing required to execute task order requests for Mesa Water District. Rates for professional classifications that may be requested or needed for a given task order, and which are not shown on this table, will be provided during individual task order negotiations.



**FEE SCHEDULE- MESA WATER DISTRICT
CM SERVICES FOR CIPR***

Labor Category	Hourly Rate
Owner/LLC Manager	\$230
Program Manager	\$220
Senior Associate	\$185
Associate	\$165
Junior Associate	\$145
Administrative/Clerical	\$ 90
Other Direct Costs	<i>Task Order Specific for Public Outreach such as mailers, flyers, posters, displays, and project hotline costs will be negotiated with each individual task order.</i>
Payment Terms	Net 30 Days From Invoice Date

***Fee schedule effective through June 30, 2021 and revised annually. Annual billing rate escalation shall be limited to the annual LA/OC Consumer Price Index.**

Alliance Outreach, LLC
1940 North Tustin Street, Suite 111
Orange, CA 92865

Phone: (714) 855-1771
E-mail: info@allianceoutreach.com
Website: www.allianceoutreach.com

Fee Schedule 2020

Personnel	Rate
Principal	\$150.00
Project Manager	\$125.00
Cert. Asbestos Consult.	\$95.00
Certified Site Survey Technician	\$90.00
DHS Insp. Assess. / Monitor	\$90.00
Clerical	\$60.00

PRICE LIST

Sample	Rate
PLM - 5 days	\$10.00
PLM - 24 hours	\$20.00
PLM 8 - hours	\$25.00
PCM - 5 days	\$10.00
PCM - 24 hours	\$15.00
PCM 8 - hours	\$20.00
TEM - 5 days	\$72.00
TEM - 24 hours	\$100.00
TEM 8 - hours	\$140.00
PB Wipe - 5 days	\$15.00
PB Wipe - 24 hours	\$25.00
PB Wipe - 8 hours	\$40.00
PB Bulk - 5 days	\$11.00
PB Bulk - 24 hours	\$20.00
PB Bulk - 8 hours	\$40.00

PRICE LIST

Sample	Rate
PB Air - 5 days	\$11.00
PB Air - 24 hours	\$20.00
PB Air - 8 hours	\$40.00
PB Water - 5 days	\$17.00
PB Water - 24 hours	\$25.00
PB Water - 8 hours	\$50.00
TTLC - 5 days	\$20.00
TTLC - 24 hours	\$30.00
STLC - 5 days	\$100.00
STLC - 72 hours	\$150.00
TCLP - 5 days	\$85.00
TCLP - 48 hours	\$110.00
TCLP - 24 hours	\$150.00
XRF Daily Rate	\$200.00
Point Count 1000 Pts	\$100.00

MOLD Samples

Personnel	Rate
Air Sample (Same Day)	\$60.00
Tape Lift	\$60.00

LOS ANGELES AND ORANGE COUNTY PRICING

PROJECT	Rate
Residential Asbestos Survey (1 week)	\$400.00 + \$10.00/Sample
Residential Asbestos Survey (24 hours)	\$450.00 + \$20.00/Sample
Asbestos Abatement Air Clearance	\$400.00 + \$75.00 additional containments after first.
Asbestos Abatement Visual Clearance	\$400.00
Residential Lead Paint Inspection (XRF)	\$400.00
Lead Paint Abatement Clearance	\$400 + \$25.00 per wipe sample
Residential Mold Inspection	\$400.00 + \$60.00/Sample Typically, one inside, one outside of residence
Mold Abatement Clearance	\$400.00 + \$60.00/Sample Typically, one inside, one outside of containment
Asbestos/Lead Paint Abatement Monitoring	\$800.00/shift
Abatement Closeout Report	\$400.00

FOR PROJECTS OUTSIDE OF THE AREA PLEASE CONTACT OUR OFFICE AT 714-525-5115



CORNERSTONE STUDIOS

2020 Billing Rate Schedule

<u>CLASSIFICATION</u>	<u>RATE</u>
Principal	\$ 135
Project Manager	\$ 115
Landscape Architect	\$ 100
Senior Landscape Designer	\$ 90
Junior Landscape Designer	\$ 80
Administrative	\$ 70

Rate Sheet

Environmental & GIS Services, LLC

2020 Hourly Rates & Fees

	Hourly Rates
Principals	
NEPA/CEQA Specialist (Project Manager)	\$160
Geologist/Compliance Specialist	\$160
Principal Biologist/GIS Specialist	\$160
Staff	
Geologist/Certified Hydrogeologist	\$160
Senior Biologist	\$120
Field Biologist/Monitor	\$110

Federal Tax ID# 83-0470899



SOUTHERN CALIFORNIA | SURVEY AND MAPPING RATE SHEET

Rates effective through June 30, 2021

HOURLY RATES

LABOR DESCRIPTION	HOURLY RATE
Principal	\$255.00
Senior Project Manager	\$228.00
Project Manager	\$203.00
Project Surveyor	\$178.00
Survey Analyst	\$150.00
Survey Technician	\$125.00
Project Coordinator	\$ 95.00

Field Survey Rates by Prevailing Wage Classification*

1-Person Survey Crew	\$188.00
2-Person Survey Crew	\$300.00
3-Person Survey Crew	\$433.00

*1-, 2-, and 3-person survey crews are inclusive of survey vehicles, conventional and GPS survey equipment, and associated survey tools, safety equipment, etc.

MINIMUM HOURLY CHARGE (PREVAILING WAGE ONLY)

Office classifications will be billed based on the hours worked, no minimum hourly charge. Field classifications will be billed on an hourly basis with a minimum of 4, 6, and 8 hours in accordance with prevailing wage requirements.

ESCALATION

Non-represented classifications will escalate annually, all field rates will escalate in accordance with the International Union of Operating Engineers, Local 12.

OVERTIME

Straight time will be billed for all work performed on-site up to 8 hours each day, Monday through Friday. Overtime will begin after 8 hours, Monday through Friday and on Saturdays. Double time will begin after 12 hours and on Sundays and holidays. The overtime/double labor rates will include:

Overtime (on-site over 8 hours Mon-Fri and Sat)	1.5 times the hourly base rate
Sundays and Holidays	2.0 times the hourly base rate
Nighttime Non-Overtime	1.5 times the hourly base rate

OTHER DIRECT COSTS

1. Reimbursable costs including but not limited to delivery or messenger charges, additional reprographic costs, utility agency research fees, permits, title company fees, etc., shall be billed at cost plus 15%.
2. Mileage will be billed at the approved IRS rate.
3. Subconsultant fees shall be billed at cost plus 15%.
4. Costs related to specialty survey requirements, i.e. traffic control, specialty safety equipment, etc. will be billed cost plus 15%.
5. Expenses for any special equipment and/or requests shall be at the approval of the client.

SOUTHERN CALIFORNIA LOCATIONS

LOS ANGELES 444 W Ocean Blvd, Suite 800, Long Beach, CA 90802 | ORANGE COUNTY 9241 Irvine Blvd, Suite 100, Irvine, CA 92618

INLAND EMPIRE 424 E. Vanderbilt Way, Suite B, San Bernardino, CA 92408 | SAN DIEGO 380 State Place, Escondido, CA 92029

TOLL FREE 855-90GUIDA | WWW.GUIDAINC.COM



FEE SCHEDULE

**CONSTRUCTION SERVICES
PROFESSIONAL SERVICES**

Principal Engineer / Geologist.....	\$ 150.00	Hour
Registered Civil Engineer / Geologist.....	\$ 150.00	Hour
Staff Engineer / Geologist.....	\$ 100.00	Hour
Roadway / Civil / Source Inspector	\$ 100.00	Hour
Inspection / Laboratory Supervisor	\$ 100.00	Hour
Project Manager.....	\$ 100.00	Hour
Draftsperson	\$ 70.00	Hour
Word Processing.....	\$ 55.00	Hour
Review of files for processing affidavits and Certifications required by various Governmental Agencies.....	\$ 95.00	Hour
Legal Consultation, Expert Witness and Court Appearances (Minimum 4 Hours).....	\$ 325.00	Hour

ENVIRONMENTAL / INDUSTRIAL HYGIENE SERVICES

Certified Asbestos Consultant.....	\$ 85.00	Hour
Certified Asbestos Inspector.....	\$ 65.00	Hour
Certified Asbestos Project Manager.....	\$ 75.00	Hour
Certified Asbestos Project Designer	\$ 75.00	Hour
Certified Site Surveillance Technician.....	\$ 65.00	Hour
On-Site 582 Certified Microscopist.....	\$ 65.00	Hour
Certified Lead Inspector / Assessor	\$ 65.00	Hour
Certified Lead Project Monitor	\$ 65.00	Hour
Certified Industrial Hygienist.....	\$ 180.00	Hour
Environmental Site Assessment (Phase I).....	\$ 95.00	Hour
Environmental Site Assessment (Phase II).....	\$ 95.00	Hour
Industrial Hygienist.....	\$ 100.00	Hour
Onsite Monitoring and Compliance Documentation Labor.....	\$ 75.00	Hour
Onsite Monitoring and Compliance Documentation Labor (Night/Weekend/Holiday)	\$ 112.00	Hour
On-Site AQ PM-10 Test Equipment	\$ 228.00	Shift
Final Monitoring Report	\$ 500.00	Each

(Prices based on 2 Hour Minimum & Test Samples Additional)

PROJECT SERVICES

Special Inspection	\$ 90.00	Hour
Mechanical, Electrical, Plumbing, Building Inspection	\$ 90.00	Hour
Batch Plant (Concrete or Asphalt).....	\$ 90.00	Hour
Technician - Laboratory and Field.....	\$ 90.00	Hour
Soils/Asphalt Technician	\$ 90.00	Hour
Ultrasonic, Dye Penetrant, or Magnetic Particle, Fabrication Inspection	\$ 120.00	Hour
Pull-Out Test on Embedded Bolts/ Anchors and Dowels.....	\$ 90.00	Hour
Concrete, Masonry, Asphalt Coring or Sawing	\$ 170.00	Hour
Floor Flatness / Levelness (Inc. Equipment).....	\$ 1,200.00	day

Construction Services, Project Services continued

Pick-Up and Delivery – Compression Testing.....	\$ 10.00	Each
Emissivity	\$ 90.00	Hour
Ground Rod Test	\$ 90.00	Hour

EQUIPMENT

Skidmore Bolt Cell with Torque Wrench	\$ 65.00	Day
Skidmore-Wilhelm Bolt Cell	\$ 40.00	Day
Torque Wrench	\$ 25.00	Day
Air Meter.....	\$ 40.00	Day
Pachometer	\$ 55.00	Day
Schmidt Hammer	\$ 40.00	Day
Ultrasonic Equipment.....	\$ 50.00	Day
Magnetic Particle Equipment.....	\$ 50.00	Day
Dye Penetrant Equipment	\$ 40.00	Day
Jacking Assembly	\$ 60.00	Day
Nuclear Density Gauge	\$ 70.00	Day
Mobile Soils Laboratory.....	\$ 50.00	Day
Coring Equipment	\$ 100.00	Day
Emissivity Test Kit.....	\$ 40.00	Each
Ground Rod Equipment.....	\$ 40.00	Day

TESTING MACHINES

Testing Machine with Operator in Laboratory 0 - 60,000 Pound Machine (Universal).....	\$ 155.00	Hour
800,000 Pound Machine (Universal)	\$ 250.00	Hour

CONCRETE

STRENGTH CHARACTERISTICS

A.S.T.M.			
C39	Concrete Cylinders (6" x 12") (4" x 8"), w/ Mold.....	\$ 24.00	Each
C495	Lightweight Fill Concrete (3" x 6").....	\$ 24.00	Each
C39	Concrete or Gunite Cores, 6" Maximum Diameter, Including Trim	\$ 40.00	Each
C496	Splitting Tensile	\$ 65.00	Each
C78	6" x 6" Beams, Modulus of Rupture.....	\$ 65.00	Each
	Handling Charge, Cylinders Not Broken/Hold.....	\$ 10.00	Each
	Handling Charge, Beams Not Broken/Hold.....	\$ 40.00	Each
C469	Modulus of Elasticity	\$ 125.00	Each

MIX DESIGN

A.S.T.M.			
C192	Laboratory Trial Batch with Slump, and 6 Cylinders, Unit Weight, Air (Sampling Extra)	\$ 350.00	Per Pt
	Mix Design, Determination of Proportions	\$ 175.00	Each
	Review of Existing Mix Design	\$ 225.00	Each



Concrete continued

MISCELLANEOUS TESTING

C567	Unit Weight of Hardened Light Weight Concrete.....	\$ 50.00 Each
C684	Rapid Cure Concrete Cylinders (Boil Method).....	\$ 40.00 Each
C157	Drying Shrinkage (3 Bars - Four Readings, up to 90 Days)	\$ 250.00 Set
C495	Lightweight Fill Concrete Density.....	\$ 40.00 Each

MASONRY

STRENGTH CHARACTERISTICS

	Mortar Cylinders (2" x 4") w/ mold.....	\$ 24.00 Each
C109	Mortar Cubes (2" x 2") w/ mold.....	\$ 24.00 Each
C1019	Grout (3" x 6") Handling Charge, Mortar or Grout Not Broken/Hold	\$ 10.00 Each
C140	Block Compression ≤ 8" x 8" x 16".....	\$ 45.00 Each
C140	Block Compression >8" x 8" x 16".....	\$ 55.00 Each
C1314	Grouted Masonry Prism Compression Test ≤8" x 8" x 16".....	\$ 90.00 Each
C1314	Grouted Masonry Prism Compression Test >8" x 8" x 16".....	\$ Quotation
	Handling Charge, Grouted Prisms Not Broken/Hold	\$ 75.00 Each

BLOCK

A.S.T.M.

C140	Moisture Content and Absorption.....	\$ 60.00 Each
C140	Measurements	\$ 35.00 Each
C67	Masonry Efflorescence	\$ 45.00 Each
C426	Linear Shrinkage (CMA Method).....	\$ 125.00 Each
	Rapid Linear Shrinkage (British Modified Method).....	\$ 100.00 Each
	Block Conformance Package....	\$ Quotation
C952	Bond Strength	\$ 50.00 Each
UBC 21.6	Masonry Core -Compression....	\$ 40.00 Each
UBC 21.6	Masonry Core -Shear	\$ 65.00 Each

BRICK

A.S.T.M.

C67	Compression.....	\$ 40.00 Each
C67	Modulus of Rupture	\$ 40.00 Each
C67	Absorption, Soak	\$ 30.00 Each
C67	Absorption, Boil	\$ 30.00 Each
C67	Absorption, Saturation Coefficient.....	\$ 40.00 Each
C67	Initial Rate of Absorption	\$ 40.00 Each
C67	Efflorescence	\$ 50.00 Each
C67	Efflorescence with Mortar	\$ 65.00 Each

STEEL

REINFORCEMENT

A.S.T.M.		
A615/706	Tensile No. 11 Bar and Smaller	\$ 45.00 Each
A615/706	Tensile No. 14	\$100.00 Each
A615/706	Tensile No. 18	\$175.00 Each
	Mech. Splice Tensile Up to No. 11.....	\$100.00 Each
	Mech. Splice No. 14.....	\$150.00 Each
	Mech. Splice No. 18.....	\$300.00 Each
	Mech. Splice w/Slip.....	\$250.00 Each
A615/706	Bend Test No. 11 Bar and Smaller	\$ 35.00 Each
A615/706	Bend Test No. 14	\$ 50.00 Each
A615/706	Bend Test No. 18	\$100.00 Each
	Processing Mill Certificates (Per Size and Heat).....	\$ 20.00 Each

STRUCTURAL STEEL

A.S.T.M.

A370	Tensile Strength Up to 100,000 lbs.....	\$ 75.00 Each
	100,000 to 200,000 lbs.	\$ 90.00 Each
	Bend Test.....	\$ 35.00 Each
	Pipe Flattening Test.....	\$ 50.00 Each
	Bolt Tensile Test.....	\$ 45.00 Each
	Bolt Proof Test.....	\$ 35.00 Each
	Nut Proof Test	\$ 30.00 Each
	Nelson Stud Tensile Test.....	\$ 45.00 Each
	Machining and Preparation of Samples.....	\$ 35.00 Each
	Brinell & Rockwell Hardness Test	\$ 35.00 Each
	Processing Mill Certificates (Per Size and Heat).....	\$ 25.00 Each
	Chemical Analysis	\$ 75.00 Each

PRESTRESS

A.S.T.M.

A416	Prestress Cable, 7 Wire (Yield / Tensile).....	\$150.00 Each
A416	Prestress Wire (Yield/Tensile).....	\$140.00 Each
	Sample Preparation	\$ 45.00 Hour

WELD PROCEDURE AND WELDER QUALIFICATIONS

Welder Certification (AWS)

STRUCTURAL STEEL COUPON

	Weld Tensile Test.....	\$ 50.00 Each
	Weld Bend Test	\$ 40.00 Each
	Weld-Macro Etch	\$ 75.00 Each
	Machining and Preparation of Samples.....	\$ 35.00 Each



FIREPROOFING

UBC 7-6	Unit Weight	\$ 35.00 Each
ASTM-736	Adhesion/Cohesion	\$ 45.00 Each

ROOFING

	Unit Weight	\$ 55.00 Each
	Roof Cut Analysis.....	\$500.00 Each
UBC 15-5	Tile (Breaking Strength/Abs.....	\$ 75.00 Each
	Mineral Shake - Flexural.....	\$ 60.00 Each
	Mineral Shake - Absorption	\$ 60.00 Each

SOIL AND AGGREGATE CLASSIFICATION

A.S.T.M.		
C136	Sieve Analysis (Coarse)	\$ 135.00 Each
C136	Sieve Analysis (Fine).....	\$ 135.00 Each
C117	Sieve Analysis (Fine, Washed).....	\$ 135.00 Each
D1140	#200 Wash.....	\$ 50.00 Each
C117	Sieve Analysis - Combined.....	\$ 150.00 Each
D422/C136	Hydrometer with Sieve Analysis.....	\$ 175.00 Each
D4318	Liquid and Plastic Limit.....	\$ 115.00 Each
CTM 217	Sand Equivalent	\$ 100.00 Each
D2419		
CTM 227	Cleanness Value	\$ 230.00 Each
D2974	Organic Content.....	\$ 75.00 Each

PHYSICAL CHARACTERISTICS

A.S.T.M.		
C127	Specific Gravity and Absorption (Fine)	\$ 125.00 Each
C128	Specific Gravity and Absorption (Coarse)	\$ 100.00 Each
C127	Specific Gravity Coarse).....	\$ 70.00 Each
C128/D854	Specific Gravity (Fine).....	\$ 70.00 Each
D2216	Moisture Content.....	\$ 25.00 Each
D3080	Direct Shear Quick Undisturbed.....	\$ 150.00 Each
	Direct Shear Slow Undisturbed.....	Quotation
D3080	Direct Shear Quick Remolded	\$ 200.00 Each
	Direct Shear Slow Remolded.....	Quotation
D2166	Unconfined Compression	\$ 75.00 Each
D2435	Consolidation - Time Rate	\$ 275.00 Each
D2435	Consolidation - Without Time Rate.....	\$ 225.00 Each
UBC 18-2	Expansion Index.....	\$ 125.00 Each
D4829		
D2434	Permeability - Undisturbed	\$ 225.00 Each
D2434	Permeability - Remolded	\$ 250.00 Each

SUBGRADE SUPPORT QUALITY

A.S.T.M.		
D1883	Bearing Ratio w/o M. D. Curve - Per Point	\$ 125.00 Each

Soil and Aggregate, Subgrade Support Quality continued

CTM 301	R-Value (3 Points)	\$ 260.00 Each
D2844		

Lime, Cement or Bituminous Treatment available upon request.

DENSITY CHARACTERISTICS

A.S.T.M.		
D2937	Moisture / Density (Ring)	\$ 25.00 Each
D1557-A,B	Maximum Density	\$ 220.00 Each
D1557-C	Maximum Density	\$ 220.00 Each
D698-A,B	Maximum Density	\$ 220.00 Each
D698-C	Maximum Density	\$ 220.00 Each
	Check Point (Maximum Density) .	\$ 75.00 Each
C29	Unit Weight - Loose	\$ 50.00 Each
C29	Unit Weight - Rodded.....	\$ 75.00 Each
CTM 216	Maximum Density	\$ 175.00 Each
	Rock Correction.....	\$ 75.00 Each

CHEMICAL PROPERTIES

CTMs		
532/643	Resistivity	\$ 75.00 Each
532/643	pH	\$ 45.00 Each
CTM 417	Sulphate	\$ 55.00 Each
CTM 422	Chloride.....	\$ 55.00 Each
	Corrosivity Series	\$ 165.00 Each
	Chemical Analysis	\$ 75.00 Each

AGGREGATE PROPERTIES

A.S.T.M.		
C131	LA Abrasion.....	\$150.00 Each
C535	LA Abrasion.....	\$175.00 Each
C88	Soundness	\$300.00 Each
C40	Organic Impurities.....	\$ 75.00 Each
C142	Clay Lumps/Friable Particles.....	\$100.00 Each
C123	Lt. Wt. Particles	\$100.00 Each
	Percent Elongation/Flats	\$175.00 Each
CTM 205	Percent Crushed.....	\$150.00 Each
CTM 229	Durability	\$150.00 Each

ASPHALT CONCRETE

GENERAL TESTING

A.S.T.M.		
D2172	Bitumen Content	\$125.00 Each
D5444	Gradation of Extracted Sample Value	\$125.00 Each
D1188	Unit Weight - Molded Specimen or Cores.....	\$ 75.00 Each
D2041	Theoretical Maximum Density	\$125.00 Each
CTM 304	Compacted Maximum Density HVEEM.....	\$150.00 Each
D1560/61		
D6926	Compacted Maximum Density MARSHALL.....	\$175.00 Each
	Stripping.....	\$100.00 Each



Asphalt Concrete continued

MIX DESIGN / CONTROL

A.S.T.M.	
CTM 336	Mix Design - HVEEM including
D1560/61	Aggregate Tests –
	Per Design \$2,250.00 Each
D6926/27	Mix Design - MARSHALL including
	Aggregate Tests
	Per Design \$2,500.00 Each
CTM 336	Field Mix - HVEEM - Stability
D1560/61	Per Point \$ 195.00 Each
D6926	Field Mix - MARSHALL-Stability
	Per Point \$ 240.00 Each

BASIS OF CHARGES

1. A 4-hour minimum show-up charge will be incurred for all scheduled field services not canceled before 4:00 p.m. of the preceding day. A minimum four and eight-hour charge per day with an additional one-half hour billed for reporting.
2. 1.35 time will be charged for any personnel services from 4:00 PM – 6:30 AM and more than eight hours up to and including twelve hours per day. Double time (premium) will be charged for over twelve hours in any one day, Saturday and Sunday. Holidays are New Year’s Day, Memorial Day, July 4th, Labor Day, Veteran’s Day, Thanksgiving Day and the Friday after Thanksgiving Day, and Christmas Day and will be assessed at triple time. High priority laboratory testing at the Client’s request which requires unscheduled overtime is subject to a 50% increase from the standard rates.
3. Engineering review time will be invoiced at two (2) hours per week and weekly report distribution is one (1) hour per week.
4. There will be no charge for per diem and travel time. Services requiring specialized equipment or radiation will be invoiced portal to portal. Combination of services will be billed at the applicable higher hourly rate for the day.
5. Reimbursable expenses such as parking, air fare, car rental, food and lodging will be charged at cost plus 15%, unless provided. Subsistence on remote jobs by quotation, unless provided.
6. Outside services performed by others and direct costs expended on the Client’s behalf are charged at cost plus 20%, unless otherwise noted.
7. There will be a minimum project set-up fee of \$250 for obtaining plans, specifications, accounting/distribution information and filing of preliminary liens. Invoicing is performed on a monthly basis. Past due account will accumulate interest charges at the rate of 1% per month.
8. Prices are based on current prevailing wage rates through July 1, 2021.



RATE SCHEDULE

Labor Categories	Billing Rates	Overtime Rates
Program Manager	\$210.00	N/A
Principal Scientist	\$170.00	N/A
Senior Scientist	\$135.00	N/A
Associate Scientist	\$95.00	\$142.50
Staff Scientist	\$75.00	\$112.50
Principal GIS	\$110.00	N/A
Senior GIS	\$95.00	N/A
Senior Project Coordinator	\$110.00	N/A
Associate Project Coordinator	\$95.00	N/A
Technical Editor	\$75.00	N/A
Contract Manager	\$75.00	N/A
Other Direct Costs	Unit	Rate
4x4 Rental Vehicle	Daily	At Cost
Outside Scientific-Related Studies	Lump Sum	At Cost
Expendable Supplies & Postage	Lump Sum	At Cost

Beginning at the commencement of the second (2nd) year of the contract, and annually thereafter, the rates will be escalated by the annual LA/OC CPI.

PALEO SOLUTIONS

911 S. Primrose, Unit N, Monrovia, CA 91016
 (562) 818-7713
 info@paleosolutions.com • www.paleosolutions.com

OFFICES
 Denver, CO; Redlands, CA; Oceanside, CA; Bend, OR
 CERTIFICATIONS
 DBE • SBE • WBE • SDB • WOSB • EDWOSB

Personnel Charges - Professional Staff

Product Name	Units	Rate (\$)
Staff Geologist - Office	HR	\$135.00
Staff Geologist - Field	HR	\$135.00
Staff Engineer - Office	HR	\$135.00
Staff Engineer - Field	HR	\$135.00
Qualified SWPPP Practitioner QSP	HR	\$140.00
Qualified SWPPP Developer QSD	HR	\$150.00
Project Manager - Office	HR	\$155.00
Project Manager - Job Conference	HR	\$155.00
Project Manager - Field	HR	\$155.00
Project Geologist - Office	HR	\$170.00
Project Geologist - Job Conference	HR	\$170.00
Project Geologist - Field	HR	\$170.00
Project Geologist - Consultation	HR	\$170.00
Project Engineer - Office	HR	\$170.00
Project Engineer - Laboratory	HR	\$170.00
Project Engineer - Job Conference	HR	\$170.00
Project Engineer - Field	HR	\$170.00
Project Engineer - Consultation	HR	\$170.00
Principal Geologist - Office	HR	\$190.00
Principal Geologist - Job Conference	HR	\$190.00
Principal Geologist - Field	HR	\$190.00
Principal Geologist - Expert Witness	HR	\$400.00
Principal Geologist - Court Appearance	HR	\$450.00
Principal Geologist - Consultation	HR	\$190.00
Principal Engineer - Office	HR	\$190.00
Principal Engineer - Job Conference	HR	\$190.00
Principal Engineer - Field	HR	\$190.00
Principal Engineer - Expert Witness	HR	\$400.00
Principal Engineer - Court Appearance	HR	\$450.00
Principal Engineer - Consultation	HR	\$190.00
Drafting	HR	\$90.00
Administrative	HR	\$60.00

Personnel Charges - Field Staff

Product Name	Units	Rate (\$)
Supervising Special Inspector	HR	\$125.00
Supervising Soil Technician	HR	\$125.00
Supervising Public Works Inspector	HR	\$125.00
Special Inspector Wood Construction	HR	\$120.00
Special Inspector Structural Steel	HR	\$110.00
Special Inspector Shotcrete	HR	\$110.00
Special Inspector Roofing/Waterproofing	HR	\$110.00
Special Inspector Reinforced Concrete	HR	\$110.00
Special Inspector Prestressed Concrete	HR	\$110.00
Special Inspector Post Tensioned Concrete	HR	\$110.00
Special Inspector Post Installed Anchors	HR	\$110.00
Special Inspector Masonry (DSA)	HR	\$110.00
Special Inspector Masonry	HR	\$110.00
Special Inspector High Strength Bolting	HR	\$110.00
Special Inspector Fire Stopping	HR	\$110.00
Special Inspector Fire Proofing	HR	\$110.00
Special Inspector Fiber Wrap	HR	\$110.00

Special Inspector Concrete Batch Plant	HR	\$110.00
Special Inspector Coatings	HR	\$120.00
Special Inspector (ICC)	HR	\$110.00
Soils Technician Rough Grading	HR	\$110.00
Soils Technician Retesting	HR	\$110.00
Soils Technician Compaction Testing	HR	\$110.00
Soils Engineering Technician	HR	\$110.00
Radiographic Testing Crew	HR	\$400.00
Quality Control Manager	HR	\$145.00
Pull Torque Testing Technician	HR	\$110.00
Public Works Technician - Concrete	HR	\$110.00
Public Works Technician - Asphalt	HR	\$110.00
Public Works Technician	HR	\$110.00
Public Works Inspector - Concrete Plant	HR	\$110.00
Public Works Inspector - Concrete Paving	HR	\$110.00
Public Works Inspector - Asphalt Plant	HR	\$110.00
Public Works Inspector - Asphalt Paving	HR	\$110.00
Public Works Inspector	HR	\$110.00
Project Inspector (IOR)	HR	\$110.00
Pick-up and Delivery of Test Specimens	HR	\$55.00
Non Destructive Testing ASNT Level III	HR	\$200.00
Non Destructive Testing ASNT Level II	HR	\$110.00
Mechanical Electrical Inspector	HR	\$110.00
Laboratory Technician - Field Lab	HR	\$95.00
ID Reinforcing or Structural Steel	HR	\$110.00
Horizontal Wall Coring	HR	\$110.00
Concrete Coring	HR	\$110.00
Building Inspector	HR	\$110.00
AWS Certified Welding Inspector- Shop	HR	\$110.00
AWS Certified Welding Inspector- Field	HR	\$110.00
Assistant Wall Coring	HR	\$110.00
Asphalt Coring	HR	\$110.00
ACI Concrete Technician	HR	\$110.00

Laboratory Tests - Steel

Product Name	Units	Rate (\$)
Steel Chemical Analysis	EA	\$205.00
AWS Weld: Macroetch	EA	\$110.00
AWS Weld: Fracture	EA	\$75.00
AWS Bend Test	EA	\$75.00
ASTM F606 Nut: Proof Load up to 7/8"	EA	\$65.00
ASTM F606 Nut: Proof Load up to 1 1/2"	EA	\$100.00
ASTM F606 Bolt Wedge Tensile to 7/8"	EA	\$90.00
ASTM F606 Bolt Wedge Tens 7/8" to 1 1/2"	EA	\$110.00
ASTM F606 Bolt Axial Tensile to 7/8"	EA	\$60.00
ASTM F606 Bolt: Proof Load up to 7/8"	EA	\$100.00
ASTM F606 Bolt: Proof Load up to 1 1/2"	EA	\$125.00
ASTM F606 Bolt: Axial 7/8" - 1 1/2"	EA	\$95.00
ASTM E605 Spray Applied Fireproofing Den	EA	\$135.00
ASTM A416 Tensile Test Only	EA	\$175.00
ASTM A416 Stress-Strain Analysis	EA	\$240.00

ASTM A370 Tensile Up to 400K lbs (Each)	EA	\$160.00
ASTM A370 Tensile Up to 300K lbs (Each)	EA	\$100.00
ASTM A370 Tensile Up to 200K lbs (Each)	EA	\$90.00
ASTM A370 Tensile Up to 100K lbs (Each)	EA	\$75.00
ASTM A370 Tensile Stress-Strain Percent	EA	\$205.00
ASTM A370 Tensile 400K - 500K lbs (Each)	EA	\$365.00
ASTM A370 Rockwell Hardness (Each)	EA	\$110.00
ASTM A370 Rebar Tension up to #8	EA	\$60.00
ASTM A370 Rebar Tension #9 to #11	EA	\$75.00
ASTM A370 Rebar Tension #18	EA	\$170.00
ASTM A370 Rebar Tension #14	EA	\$115.00
ASTM A370 Headed Bar Prod. Lot up to #8	LOT	\$275.00
ASTM A370 Headed Bar Prod. Lot #9 to #11	LOT	\$335.00
ASTM A370 Headed Bar Prod. Lot #18	LOT	\$670.00
ASTM A370 Headed Bar Prod. Lot #14	LOT	\$515.00
ASTM A370 Bend Test Rebar up to #8	EA	\$50.00
ASTM A370 Bend Test Rebar #9 to #11	EA	\$60.00
ASTM A370 Bend Test Rebar # 18	EA	\$170.00
ASTM A370 Bend Test Rebar #14	EA	\$115.00

Laboratory Tests – Soil

Product Name	Units	Rate (\$)
ASTM D854 Specific Gravity of Soils	EA	\$265.00
ASTM D698 Maximum Density Std Effort	EA	\$290.00
ASTM D559 Soil Cement Sample Preparation	EA	\$140.00
ASTM D558 Soil-Cement Maximum Density	EA	\$375.00
ASTM D5333 Hydro Collapse Potential	EA	\$240.00
ASTM D4972 pH of Soils	EA	\$115.00
ASTM D4943 Shrinkage Factor by Resin	EA	\$260.00
ASTM D4829 Expansion Index of Soils	EA	\$240.00
ASTM D4546 Swell Potential	EA	\$240.00
ASTM D4318 Plasticity Index of Soils	EA	\$335.00
ASTM D422 Sieve Analysis of Soil	EA	\$240.00
ASTM D422 Hydrometer Analysis	EA	\$335.00
ASTM D3080 Direct Shear, Consol&Drained	EA	\$375.00
ASTM D2974 Moisture, Ash, Organic Matter	EA	\$110.00
ASTM D2937 In-Place Density, Drive Cyl	EA	\$65.00
ASTM D2844 R-Value & Expansive Pressures	EA	\$440.00
ASTM D2435 Consolidation with Time Rate	EA	\$335.00
ASTM D2435 Consolidation	EA	\$275.00
ASTM D2434 Const Head Permeability Test	EA	\$470.00
ASTM D2419 Sand Equivalent	EA	\$170.00
ASTM D2216 Soil Moisture Content by Mass	EA	\$45.00
ASTM D2166 Unconfined Comp Strength	EA	\$335.00

ASTM D2050 Tri-Axial Shear Strength	EA	\$470.00
ASTM D1883 California Bearing Ratio	EA	\$605.00
ASTM D1633 Compression Test Soil Cement	EA	\$110.00
ASTM D1557 Max Density Optimum Moisture	EA	\$290.00
ASTM D1140 Materials Finer than #200	EA	\$140.00
AASHTO T100 Specific Gravity of Soils	EA	\$275.00

Laboratory Tests - Masonry

Product Name	Units	Rate (\$)
ASTM E519 Assemblage Comp Str 8" Block	EA	\$125.00
ASTM E519 Assemblage Comp Str 16" Block	EA	\$175.00
ASTM E519 Assemblage Comp Str 12" Block	EA	\$140.00
ASTM C90 Masonry Block Conformance	SET	\$740.00
ASTM C780 Mortar Cylinder Compression	EA	\$40.00
ASTM C67 Brick Moisture & Absorption	SET	\$110.00
ASTM C67 Brick Modulus of Rupture	EA	\$135.00
ASTM C67 Brick Compressive Strength	SET	\$125.00
ASTM C67 Brick 5 Hour Boil	EA	\$135.00
ASTM C426 Block Linear Shrinkage	SET	\$375.00
ASTM C140 Block Unit Wt & Dimensions	SET	\$265.00
ASTM C140 Block Moisture & Absorption	SET	\$110.00
ASTM C140 Block Compressive Strength	SET	\$100.00
ASTM C1314 Masonry Core Shear Str 8" Max	EA	\$110.00
ASTM C1314 Masonry Core Comp Str 8" Max	EA	\$100.00
ASTM C109 Compressive Strength 2" Cube	EA	\$50.00
ASTM C1019 Grout Prism Compression	EA	\$50.00

Laboratory Tests - Environmental

Product Name	Units	Rate (\$)
OSHA ID-191 Asbestos	EA	Quote
EPA 9040 pH of Soil	EA	Quote
EPA 8310 Polynuclear Aromatic Hydrocarbons	EA	Quote
EPA 8270 Semi-Volatile Organic Compounds	EA	Quote
EPA 8151 Chlorinated Herbicides	EA	Quote
EPA 8141 Organo-Phosphorous Pesticides	EA	Quote
EPA 8082 PCB's	EA	Quote
EPA 8081 Organo-Chlorine Pesticides	EA	Quote
EPA 8021 or 8260 Volatile Organic Compounds	EA	Quote
EPA 8015 Total Petroleum Hydrocarbons	EA	Quote
EPA 6010 & 7471 TTLC Lead	EA	Quote
EPA 6010 & 7471 TTLC 17 Metals	EA	Quote

Laboratory Tests – Concrete

Product Name	Units	Rate (\$)
T 336 Coefficient of Thermal Expansion	EA	\$670.00
ASTM C78 Flexural Strength, Beam	EA	\$125.00
ASTM C649 Concrete Modulus of Elasticity	EA	\$205.00

ASTM C496 Splitting Tensile Test	EA	\$125.00
ASTM C495 Lightweight Concrete Strength	EA	\$65.00
ASTM C495 Density - Lightweight Concrete	EA	\$240.00
ASTM C42 Compressive Strength, Core	EA	\$100.00
ASTM C39 Cyl Tested out of Sequence	EA	\$50.00
ASTM C39 Concrete Cyl Cured or Tested	EA	\$40.00
ASTM C157 Concrete Shrinkage (Set of 3)	SET	\$600.00
ASTM C138 Unit Weight of Concrete	EA	\$90.00
ASTM C1140 Shotcrete Panel Test	SET	\$335.00

Laboratory Tests - Caltrans

Product Name	Units	Rate (\$)
CT670 Tensile Strength up to #8	EA	\$75.00
CT670 Tensile Strength #8 - #11	EA	\$110.00
CT670 Tensile Strength #18	EA	\$205.00
CT670 Tensile Strength #14	EA	\$140.00
CT670 Production Lot up to #8 (Ultimate)	LOT	\$405.00
CT670 Production Lot up to #8 (Service)	LOT	\$335.00
CT670 Production Lot #9 to #11(Ultimate)	LOT	\$470.00
CT670 Production Lot #9 to #11 (Service)	LOT	\$405.00
CT670 Production Lot #18 (Ultimate)	LOT	\$1,005.00
CT670 Production Lot #18 (Service)	LOT	\$725.00
CT670 Production Lot #14 (Ultimate)	LOT	\$740.00
CT670 Production Lot #14 (Service)	LOT	\$535.00
CT670 Operator Qualification up to #8	LOT	\$470.00
CT670 Operator Qualification up to #8	EA	\$470.00
CT670 Operator Qualification #9 - #11	LOT	\$535.00
CT670 Operator Qualification #9 - #11	EA	\$535.00
CT670 Operator Qualification #18	LOT	\$1,135.00
CT670 Operator Qualification #18	EA	\$1,135.00
CT670 Operator Qualification #14	LOT	\$800.00
CT670 Operator Qualification #14	EA	\$800.00
CT643 Resistivity and pH	EA	\$135.00
CT550 Surface Abrasion of Concrete	EA	\$535.00
CT534 Water Retention, Liq Curing Cmpnd	EA	\$570.00
CT531 Length of Drilled Concrete Cores	EA	\$65.00
CT524 RSC Flexural Strength, Beam	EA	\$125.00
CT523 Concrete Flexural Strength, Beam	EA	\$125.00
CT521 Concrete Cyl Compressive Strength	EA	\$40.00
CT521 Compressive Strength LCB	EA	\$40.00
CT 52-1-08C Slip Test	EA	\$205.00
CT515 Relative Mortar Strength, PCC Sand	EA	\$800.00
CT422 Chloride Content	EA	\$115.00
CT417 Soluble Sulfates	EA	\$135.00

CT382 Ignition Oven Correction Factor	EA	\$405.00
CT382 Asphalt Content by Ignition	EA	\$255.00
CT379 Asphalt Content Nuclear Guage	EA	\$275.00
CT371 Tensile Strength Ratio	EA	\$1,470.00
CT370 Moisture Content by Microwave	EA	\$110.00
CT366 Stabilometer Value	EA	\$365.00
CT309 Maximum Theoretical Density	EA	\$275.00
CT308(C) Core Density SSD	EA	\$65.00
CT308(C)/366 Stability and Density	EA	\$440.00
CT308(A) Core Density Paraffin Coated	EA	\$75.00
CT308(A)/366 Stability and Density	EA	\$440.00
CT305 Swell of Bituminous Mixtures	EA	\$470.00
CT304/308(A) LTMD Kneading Compactor	EA	\$440.00
CT303 Approximate Bitumen Ratio	EA	\$335.00
CT302 Film Stripping	EA	\$335.00
CT301 Resistance R-Value Stabilometer	EA	\$390.00
CT235 Flat and Elongated Particles	EA	\$390.00
CT234 Angularity & Voids, Fine Agg	EA	\$265.00
CT229 Durability Index	EA	\$405.00
CT 227 Cleaness Value	EA	\$390.00
CT226 Moisture Content by Oven Drying	EA	\$45.00
CT217 Sand Equivalent	EA	\$170.00
CT 216 CA Impact Max Density	EA	\$265.00
CT216 CA Impact, Rock Correction	EA	\$65.00
CT214 Soundness by Sodium Sulfate	EA	\$510.00
CT213 Organic Impurities in Sand	EA	\$135.00
CT211 Abrasion, Los Angeles Rattler	EA	\$335.00
CT209 Specific Gravity of Soil	EA	\$275.00
CT208 Apparent Specific Gravity of Fines	EA	\$275.00
CT207 Specific Gravity, Fine Aggregate	EA	\$225.00
CT206 Specific Gravity, Coarse Aggregate	EA	\$185.00
CT205 Percentage Crushed Particles	EA	\$205.00
CT204 Plasticity Index, Atterberg	EA	\$305.00
CT202 Sieve Analysis, Fine Agg	EA	\$190.00
CT202 Sieve Analysis, Combined Agg	EA	\$245.00
CT202 Sieve Analysis, Coarse Agg	EA	\$185.00

Laboratory Tests – Asphalt

Product Name	Units	Rate (\$)
ASTM D6927 Marshal Stability and Flow	EA	\$440.00
ASTM D6926 Lab Max Density Marshall	EA	\$335.00
ASTM D6307 Ignition Oven Calibration	EA	\$405.00
ASTM D6307 Asphalt Content by Ignition	EA	\$255.00
ASTM D5444 Gradation of Extracted Agg	EA	\$275.00

ASTM D4125 Asphalt Content Nuclear Guage	EA	\$335.00
ASTM D3910 Wet Track Abrasion	EA	\$205.00
ASTM D2726 Core Density (SSD)	EA	\$65.00
ASTM D244 Emulsion Sieve Analysis	EA	\$165.00
ASTM D244 Emulsion Residue Evaporation	EA	\$240.00
ASTM D2172 Asphalt Content by Solvents	EA	\$375.00
ASTM D2041 Maximum Theoretical Density	EA	\$265.00
ASTM D1561 LTMD Kneading Compactor	EA	\$355.00
ASTM D1560 Hveem Stability and Density	EA	\$440.00
ASTM D1560 Hveem Stability	EA	\$305.00
ASTM D1188 Core Density Parafilm Coated	EA	\$75.00
AASHTO T324 Hamburg Wheel Tracking Test	EA	\$1,100.00
AASHTO T324 Hamburg Wheel Tracking - RHMA	EA	\$1,100.00
AASHTO T312/T275 LTMD Gyrotory Compactor	EA	\$440.00
AASHTO T312/T275 LTMD Gyrotory Comp.- RHMA	EA	\$440.00
AASHTO T308 Asphalt Content by Ignition	EA	\$255.00
AASHTO T308A AC Correction Factor	EA	\$470.00
AASHTO T283 Tensile Strength Ratio - RHMA	EA	\$1,050.00
AASHTO T283 Tensile Strength Ratio	EA	\$1,050.00
AASHTO T275 Core Denisty Paraffin Coated	EA	\$75.00
AASHTO T209 Theoretical Maximum Density	EA	\$265.00

Laboratory Tests - Aggregates

Product Name	Units	Rate (\$)
ASTM D5821 Percent Fractured Particles	EA	\$205.00
ASTM D4791 Flat & Elongated Particles	EA	\$375.00
ASTM D2419 Sand Equivalent	EA	\$170.00
ASTM C88 Soundness by Sodium Sulfate	EA	\$535.00
ASTM C566 Moisture Content by Drying	EA	\$35.00
ASTM C535, Abrasion Large Aggregate	EA	\$335.00
ASTM C40 Organic Impurities in Fine Agg	EA	\$135.00
ASTM C289 Alkali-Silica Reactivity	EA	\$670.00
ASTM C142 Clay Lumps & Friable Particles	EA	\$260.00
ASTM C136 Sieve Analysis, Fine Agg	EA	\$205.00
ASTM C136 Sieve Analysis, Combined Agg	EA	\$240.00
ASTM C136 Sieve Analysis, Coarse Agg	EA	\$205.00
ASTM C131 Abrasion, Los Angeles Rattler	EA	\$335.00
ASTM C128 Specific Gravity, Fine Agg	EA	\$240.00
ASTM C127 Specific Gravity, Coarse Agg	EA	\$205.00
ASTM C1252 Angularity & Voids, Fine Agg	EA	\$240.00
ASTM C123 Percent Lightweight Particles	EA	\$275.00
ASTM C117 Materials Finer than No. 200	EA	\$140.00
AASHTO T96 Abrasion, Los Angeles Rattler	EA	\$335.00
AASHTO T85 Specific Gravity, Coarse Agg	EA	\$205.00

AASHTO T84 Specific Gravity, Fine Agg	EA	\$240.00
AASHTO T335 Percent Fractured Particles	EA	\$205.00
AASHTO T304 Angularity & Voids in Fines	EA	\$225.00
AASHTO T27 Sieve Analysis, Fine Agg	EA	\$205.00
AASHTO T27 Sieve Analysis, Combined Agg	EA	\$240.00
AASHTO T27 Sieve Analysis, Coarse Agg	EA	\$185.00
AASHTO T176 Sand Equivalent	EA	\$170.00

Equipment Charges

Product Name	Units	Rate (\$)
VOC Meter	DAY	\$100.00
Ultrasonic Test Unit and Consumables	DAY	\$50.00
Torque Wrench	DAY	\$50.00
Stationary Laboratory Trailer & Testing Equipment	MO	\$500.00
Skidmore	DAY	\$50.00
Set of Aerial Photographs	HR	Quote
Schmidt Hammer	DAY	\$50.00
Rotary Wash Drill Rig with Operator	HR	\$550.00
Proof Load Testing Equipment	DAY	\$100.00
Portable Drilling Equipment w/ Operator	HR	\$450.00
Portable Drilling Equipment	HR	\$450.00
Per Diem	DAY	\$100.00
Nuclear Density Test Gauge	DAY	\$25.00
Mobile Laboratory Trailer Mobilization	EA	\$500.00
Mobile Laboratory Trailer & Testing Equipment	DAY	\$500.00
Misc Subconsultant	HR	Quote
Misc Permits	LS	Quote
Mini Environmental Quality Meter	DAY	\$300.00
Mileage	MILE	Quote
Materials / Supplies	HR	Quote
Magnetic Particle Test Unit	DAY	\$50.00
Inertial Profiler	DAY	\$1,800.00
Hollow Stem Auger Drill Rig w/ Operator	HR	\$375.00
Holiday Tester	DAY	\$100.00
Hand Held Turbidity Meter	DAY	\$20.00
Dutch Cone Penetrometer with Operator	HR	\$275.00
Drilling Equip Mobilization / De-Mob	EA	\$600.00
Diamond Bit Core Rig and Generator	DAY	\$500.00
Bucket Auger Drill Rig with Operator	HR	\$475.00
Blueprinting	HR	Quote
ASTM C1028 Coefficient of Friction	DAY	\$400.00
Air Rotary Drill Rig with Operator	HR	\$550.00

GENERAL CHARGES

- RMA Group requires twenty-four (24) hour prior notification for scheduling inspectors and/or technicians.
- Inspection charges start at the scheduled show up time at the job site. All inspection hours will be billed in the following increments:
 - There will be a minimum two (2) hour charge for any RMA Group employee presence on site.
 - Any time less than four (4) hours of work will be billed as four (4) hours.
 - Four (4) to eight (8) hours will be billed as eight (8) hours.
- When personnel are required to work in excess of 5 hours without an uninterrupted meal period of 30 minutes, due to project constraints, ½ hour will be charged at double time rates in addition to any applicable hours worked.
- Rates are valid through June 30th of this year. Rates for personnel will increase by 5% per year on July 1st each subsequent year.
- Administrative/clerical support will be charged at 5% of the monthly direct charges.
- Certified Payroll Reports will be prepared upon request. There will be a \$75.00 charge for each certified payroll report.
- Outside services will be billed at cost plus 15% unless billed directly to and paid for by Client.
- Requests made by client for management attendance at meetings at the project site will be charged at standard rate.

OVERTIME CHARGES

- Work performed in excess of 8 hours per day and / or up to eight (8) hours on Saturdays will be billed at 1.5 times the unit rate.
- Work performed on Sunday, recognized holidays, or in excess of eight (8) hours on Saturdays will be billed at 2.0 times the unit rate.
- A 20% surcharge will be applied for laboratory tests performed on a Saturday or Sunday.

PER DIEM AND TRAVEL CHARGES

- An \$85.00 charge per day will be applied when our personnel are required to stay overnight at remote locations.
- Time will be billed at the unit rate while traveling to a remote location or if a location requires an overnight stay
- Mileage for travel outside a 50 mile radius from either the project site or the nearest RMA facility whichever is closest, will be charged at a rate of \$0.58 per mile.

NIGHT WORK

- A \$10.00 per hour surcharge will be added to all personnel rates for work performed during night shifts.

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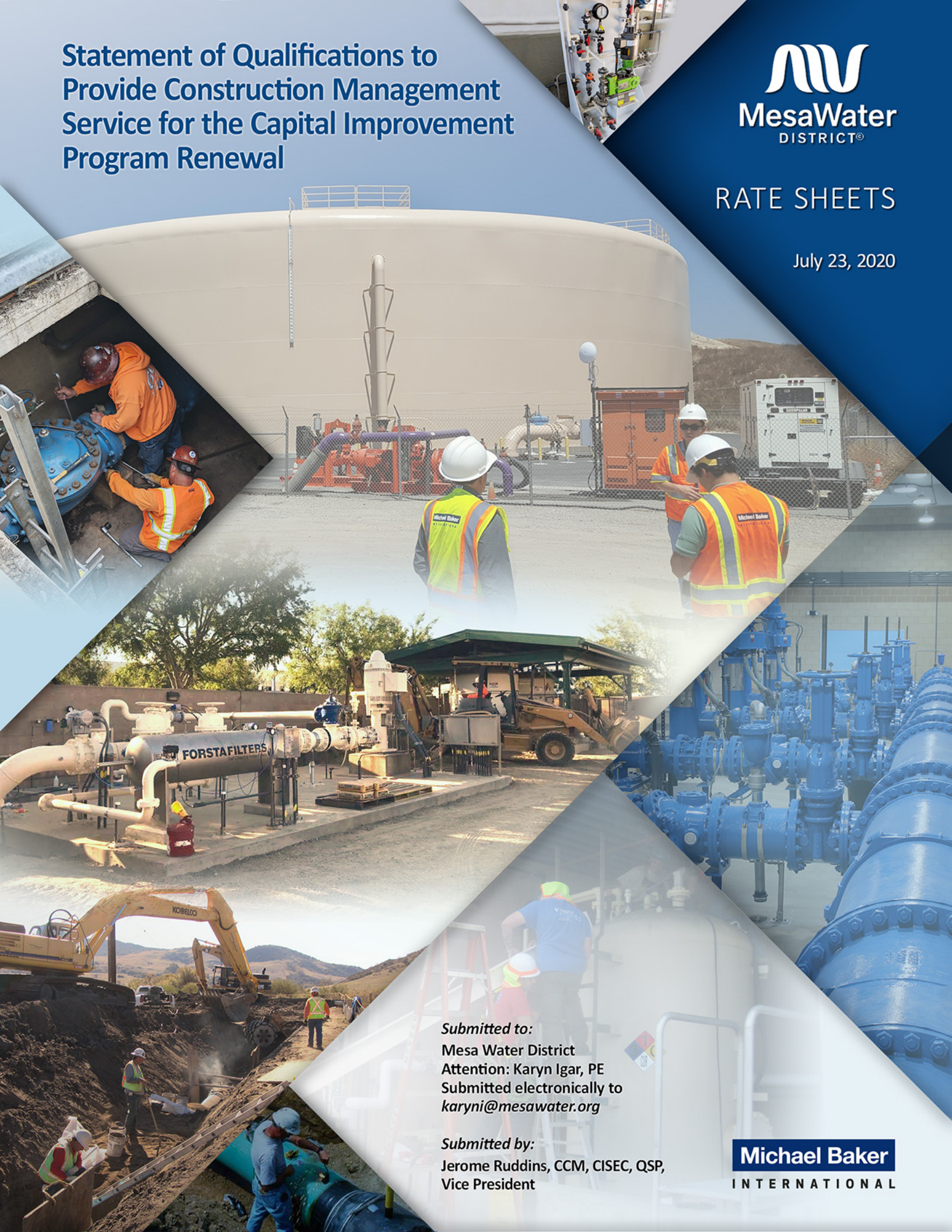


Statement of Qualifications to Provide Construction Management Service for the Capital Improvement Program Renewal



RATE SHEETS

July 23, 2020



Submitted to:
Mesa Water District
Attention: Karyn Igar, PE
Submitted electronically to
karyni@mesawater.org

Submitted by:
Jerome Ruddins, CCM, CISEC, QSP,
Vice President

Michael Baker
INTERNATIONAL

Michael Baker

INTERNATIONAL

MESA WATER DISTRICT HOURLY RATE SCHEDULE

Capital Improvement Program Renewal Contract (FY 2020/21 – 2022/23)

	FY 2020-21	FY 2021-22	FY 2022-23
	\$/Hour	\$/Hour	\$/Hour
OFFICE PERSONNEL			
Principal	\$275.00	\$280.00	\$285.00
Project Director	260.00	268.00	275.00
Program Manager	255.00	263.00	270.00
Senior Technical Manager	240.00	247.00	255.00
Senior Project Manager	240.00	247.00	255.00
Project Manager	225.00	230.00	235.00
Sr. Structural Engineer	225.00	230.00	235.00
Sr. Electrical Engineer	210.00	216.00	223.00
Technical Manager	205.00	210.00	217.00
Senior Engineer	185.00	190.00	195.00
Senior Planner	185.00	190.00	195.00
Structural Engineer	185.00	190.00	195.00
Electrical Engineer	180.00	185.00	191.00
Biologist	175.00	180.00	186.00
Landscape Architect	170.00	175.00	180.00
Senior GIS Analyst	168.00	173.00	178.00
Project Engineer	165.00	170.00	175.00
Project Planner	165.00	170.00	175.00
Environmental Specialist	165.00	170.00	175.00
Senior Designer/Survey Analyst	160.00	165.00	169.00
GIS Analyst	140.00	144.00	149.00
Staff Engineer/Designer/Planner	140.00	144.00	149.00
Project Coordinator	130.00	134.00	138.00
Graphic Artist	118.00	122.00	125.00
Environmental/Planning Analyst	118.00	122.00	125.00
Design Technician	118.00	122.00	125.00
Assistant Engineer/Planner	110.00	113.00	117.00
Permit Processor	98.00	101.00	104.00
Engineering Aid/Planning Aid	85.00	88.00	92.00
Office Support/Clerical	75.00	78.00	82.00
SURVEY PERSONNEL			
2-Person Survey Crew	\$287.00	295.00	301.00
1-Person Survey Crew	190.00	196.00	202.00
Licensed Surveyor	205.00	210.00	217.00
Field Supervisor	195.00	201.00	206.00
CONSTRUCTION MANAGEMENT PERSONNEL			
Principal Construction Manager	\$265.00	270.00	278.00
Sr. Construction Manager/Sr. Resident Engineer	225.00	230.00	235.00
Construction Manager/Resident Engineer	205.00	210.00	217.00
Assistant Resident Engineer	185.00	190.00	195.00
Construction Inspector (Prevailing Wage)	165.00	170.00	175.00
Field Office Engineer	145.00	149.00	154.00
CM Technician	125.00	128.00	133.00
Construction Management Coordinator	110.00	113.00	117.00

Schedule of Fees

Hourly Charges for Personnel

Professional Staff

Principal Engineer/Geologist/Environmental Scientist/Certified Industrial Hygienist	\$ 195
Senior Engineer/Geologist/Environmental Scientist	\$ 190
Senior Project Engineer/Geologist/Environmental Scientist	\$ 185
Project Engineer/Geologist/Environmental Scientist	\$ 175
Senior Staff Engineer/Geologist/Environmental Scientist	\$ 150
Staff Engineer/Geologist/Environmental Scientist	\$ 145
GIS Analyst	\$ 125
Technical Illustrator/CAD Operator	\$ 103

Field Staff

Certified Asbestos/Lead Technician	\$ 185
Field Operations Manager	\$ 125
Nondestructive Examination Technician (UT, MT, LP)	\$ 119
Supervisory Technician	\$ 115
Special Inspector (Concrete, Masonry, Structural Steel, Welding, and Fireproofing)	\$ 109
Senior Technician	\$ 108
Technician	\$ 103

Administrative Staff

Information Specialist	\$ 85
Geotechnical/Environmental/Laboratory Assistant	\$ 80
Data Processor	\$ 75

Other Charges

Concrete Coring Equipment (includes technician)	\$ 190/hr
Anchor Load Test Equipment (includes technician)	\$ 190/hr
GPR Equipment	\$ 180/hr
Inclinometer	\$ 100/hr
Hand Auger Equipment	\$ 80/hr
Rebar Locator (Pachometer)	\$ 25/hr
Vapor Emission Kit	\$ 65/kit
Nuclear Density Gauge	\$ 12/hr
X-Ray Fluorescence	\$ 70/hr
PID/FID	\$ 25/hr
Air Sampling Pump	\$ 10/hr
Field Vehicle	\$ 15/hr
Expert Witness Testimony	\$ 450/hr
Direct Expenses	Cost plus 15 %

Special equipment charges will be provided upon request.

Notes

For field and laboratory technicians and special inspectors, overtime rates at 1.5 times the regular rates will be charged for work performed in excess of 8 hours in one day Monday through Friday and all day on Saturday. Rates at twice the regular rates will be charged for all work in excess of 12 hours in one day, all day Sunday and on holidays.

Field technician and special inspection hours are charged at a 4-hour minimum, and 8-hour minimum for hours exceeding 4 hours.

Invoices are payable upon receipt. A service charge of 1.5 percent per month may be charged on accounts not paid within 30 days.

Our rates will be adjusted in conjunction with the increase in the Prevailing Wage Determination during the life of the project, as applicable.

The terms and conditions are included in Ninyo & Moore's Work Authorization and Agreement form.

Schedule of Fees for Laboratory Testing

SOILS

Atterberg Limits, D 4318, CT 204	\$ 170
California Bearing Ratio (CBR), D 1883	\$ 550
Chloride and Sulfate Content, CT 417 & CT 422	\$ 175
Consolidation, D 2435, CT 219	\$ 300
Consolidation, Hydro-Collapse only, D 2435	\$ 150
Consolidation – Time Rate, D 2435, CT 219	\$ 200
Direct Shear – Remolded, D 3080	\$ 350
Direct Shear – Undisturbed, D 3080	\$ 300
Durability Index, CT 229	\$ 175
Expansion Index, D 4829, IBC 18-3	\$ 190
Expansion Potential (Method A), D 4546	\$ 170
Geofabric Tensile and Elongation Test, D 4632	\$ 200
Hydraulic Conductivity, D 5084	\$ 350
Hydrometer Analysis, D 422, CT 203	\$ 220
Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$ 120
Moisture Only, D 2216, CT 226	\$ 35
Moisture and Density, D 2937	\$ 45
Permeability, CH, D 2434, CT 220	\$ 300
pH and Resistivity, CT 643	\$ 175
Proctor Density D1557, D 698, CT 216, AASHTO T-180	\$ 220
Proctor Density with Rock Correction D 1557	\$ 340
R-value, D 2844, CT 301	\$ 375
Sand Equivalent, D 2419, CT 217	\$ 125
Sieve Analysis, D 422, CT 202	\$ 145
Sieve Analysis, 200 Wash, D 1140, CT 202	\$ 100
Specific Gravity, D 854	\$ 125
Thermal Resistivity (ASTM 5334, IEEE 442)	\$ 925
Triaxial Shear, C.D., D 4767, T 297	\$ 550
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$ 450
Triaxial Shear, C.U., w/o pore pressure, D 4767, T 2297 per pt	\$ 350
Triaxial Shear, U.U., D 2850	\$ 250
Unconfined Compression, D 2166, T 208	\$ 180

MASONRY

Brick Absorption, 24-hour submersion, 5-hr boiling, 7-day, C 67	\$ 70
Brick Compression Test, C 67	\$ 55
Brick Efflorescence, C 67	\$ 55
Brick Modulus of Rupture, C 67	\$ 50
Brick Moisture as received, C 67	\$ 45
Brick Saturation Coefficient, C 67	\$ 60
Concrete Block Compression Test, 8x8x16, C 140	\$ 70
Concrete Block Conformance Package, C 90	\$ 500
Concrete Block Linear Shrinkage, C 426	\$ 200
Concrete Block Unit Weight and Absorption, C 140	\$ 70
Cores, Compression or Shear Bond, CA Code	\$ 70
Masonry Grout, 3x3x6 prism compression, C 39	\$ 45
Masonry Mortar, 2x4 cylinder compression, C 109	\$ 35
Masonry Prism, half size, compression, C 1019	\$ 120
Masonry Prism, Full size, compression, C 1019	\$ 200

REINFORCING AND STRUCTURAL STEEL

Chemical Analysis, A 36, A 615	\$ 135
Fireproofing Density Test, UBC 7-6	\$ 90
Hardness Test, Rockwell, A 370	\$ 80
High Strength Bolt, Nut & Washer Conformance, per assembly, A 325	\$ 150
Mechanically Spliced Reinforcing Tensile Test, ACI	\$ 175
Pre-Stress Strand (7 wire), A 416	\$ 170
Reinforcing Tensile or Bend up to No. 11, A 615 & A 706	\$ 75
Structural Steel Tensile Test: Up to 200,000 lbs., A 370	\$ 90
Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$ 80

CONCRETE

Compression Tests, 6x12 Cylinder, C 39	\$ 35
Concrete Mix Design Review, Job Spec	\$ 300
Concrete Mix Design, per Trial Batch, 6 cylinder, ACI	\$ 850
Concrete Cores, Compression (excludes sampling), C 42	\$ 120
Drying Shrinkage, C 157	\$ 400
Flexural Test, C 78	\$ 85
Flexural Test, C 293	\$ 85
Flexural Test, CT 523	\$ 95
Gunite/Shotcrete, Panels, 3 cut cores per panel and test, ACI	\$ 275
Lightweight Concrete Fill, Compression, C 495	\$ 80
Petrographic Analysis, C 856	\$ 2,000
Restrained Expansion of Shrinkage Compensation	\$ 450
Splitting Tensile Strength, C 496	\$ 100
3x6 Grout, (CLSM), C 39	\$ 55
2x2x2 Non-Shrink Grout, C 109	\$ 55

ASPHALT

Air Voids, T 269	\$ 85
Asphalt Mix Design, Caltrans (incl. Aggregate Quality)	\$ 4,500
Asphalt Mix Design Review, Job Spec	\$ 180
Dust Proportioning, CT LP-4	\$ 85
Extraction, % Asphalt, including Gradation, D 2172, CT 382	\$ 250
Extraction, % Asphalt without Gradation, D 2172, CT 382	\$ 150
Film Stripping, CT 302	\$ 120
Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 225
Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Moisture Content, CT 370	\$ 95
Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371	\$ 1,000
Slurry Wet Track Abrasion, D 3910	\$ 150
Superpave, Asphalt Mix Verification (incl. Aggregate Quality)	\$ 4,900
Superpave, Gyrotory Unit Wt., T 312	\$ 100
Superpave, Hamburg Wheel, 20,000 passes, T 324	\$ 1,000
Unit Weight sample or core, D 2726, CT 308	\$ 100
Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 90
Voids filled with Asphalt, (VFA) CT LP-3	\$ 90
Wax Density, D 1188	\$ 140

AGGREGATES

Clay Lumps and Friable Particles, C 142	\$ 180
Cleaness Value, CT 227	\$ 180
Crushed Particles, CT 205	\$ 175
Durability, Coarse or Fine, CT 229	\$ 205
Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234	\$ 180
Flat and Elongated Particle, D 4791	\$ 220
Lightweight Particles, C 123	\$ 180
Los Angeles Abrasion, C 131 or C 535	\$ 200
Material Finer than No. 200 Sieve by Washing, C 117	\$ 90
Organic Impurities, C 40	\$ 90
Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260	\$ 1,250
Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260	\$ 950
Potential Reactivity of Aggregate (Chemical Method), C 289	\$ 475
Sand Equivalent, T 176, CT 217	\$ 125
Sieve Analysis, Coarse Aggregate, T 27, C 136	\$ 120
Sieve Analysis, Fine Aggregate (including wash), T 27, C 136	\$ 145
Sodium Sulfate Soundness, C 88	\$ 450
Specific Gravity and Absorption, Coarse, C 127, CT 206	\$ 115
Specific Gravity and Absorption, Fine, C 128, CT 207	\$ 175

ROOFING

Roofing Tile Absorption, (set of 5), C 67	\$ 250
Roofing Tile Strength Test, (set of 5), C 67	\$ 250

Special preparation of standard test specimens will be charged at the technician's hourly rate.
Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.



PALEONTOLOGY - ARCHAEOLOGY - HISTORY



2020 - 2023 FULL FEE SCHEDULE
(2.5% ANNUAL ESCALATION)

LABOR CLASSIFICATION	2020	2021	2022	2023
PRINCIPAL INVESTIGATOR III	\$145.00	\$148.63	\$152.34	\$156.15
PRINCIPAL INVESTIGATOR II	\$115.00	\$117.88	\$120.82	\$123.84
PRINCIPAL INVESTIGATOR I	\$105.00	\$107.63	\$110.32	\$113.07
FIELD DIRECTOR	\$95.00	\$97.38	\$99.81	\$102.30
SUPERVISOR/GIS	\$80.00	\$82.00	\$84.05	\$86.15
ARCHITECTURAL HISTORIAN	\$80.00	\$82.00	\$84.05	\$86.15
NIGHT MONITOR	\$78.00	\$79.95	\$81.95	\$84.00
TECHNICIAN/MONITOR	\$65.00	\$66.63	\$68.29	\$70.00
TECHNICAL EDITOR	\$65.00	\$66.63	\$68.29	\$70.00

OTHER DIRECT COSTS	UNIT
TRIMBLE	\$50/DAY
EXPENDABLE SUPPLIES	ACTUAL COST
OUTSIDE SERVICES	ACTUAL COST

DISCIPLINES AVAILABLE:

- ARCHAEOLOGY
- PALEONTOLOGY
- ARCHITECTURAL HISTORY
- GIS
- GEOARCHAEOLOGY
- FAUNAL IDENTIFICATION & ANALYSIS
- HUMAN SKELETAL IDENTIFICATION & ANALYSIS
- FOSSIL IDENTIFICATION & ANALYSIS
- PALEOBOTANICAL IDENTIFICATION & ANALYSIS
- CERAMIC IDENTIFICATION & ANALYSIS
- LITHIC IDENTIFICATION & ANALYSIS

***HOURS 9-12 PER DAY IS OVERTIME (X1.5), HOURS OVER 12 PER DAY IS DOUBLE OVERTIME (X2)**

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Federal Certifications WOSB, EDWOSB, SDB
State Certifications DBE, WBE, SBE, UDBE

Michael Baker

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INTERNATIONAL

5 Hutton Centre Drive, Suite 500
Santa Ana, CA 92707
(949) 472-3505



July 23, 2020



Mesa Water District
1965 Placentia
Costa Mesa, CA 92627
Attention: Karyn Igar, P.E.

Subject: Statements of Qualifications (SOQ) for On-call Professional Construction Management and Inspection Services for the Capital Improvement Program Renewal (CIPR) - RATE SCHEDULE

Dear Ms. Igar,

Please find in this package the **Rate Schedule** as requested by the The Mesa Water District (Mesa Water) for the On-Call Professional Construction Management and Inspection Services for the Capital Improvement Program Renewal (CIPR).

We understand that Mesa Water will be selecting firms to provide on-call professional construction management and inspection services for its Capital Improvement Program Renewal (CIPR) and other on-call projects that may arise. We know you require a consultant to use skill and integrity to represent and protect Mesa Water's interests and to deliver projects as envisioned. MWH can and will deliver on these requirements.

Construction Management and Inspection Services – Our vision is to support the successful completion of your CIPR projects on time, within budget, without a major claim, and with a top-class safety record. To achieve this goal, MWH has teamed with Converse Consultants to create the strongest local team possible. Our team is founded on long-term personal relationships that transcend company boundaries to bring the right skills necessary to support Mesa Water. Not only do we have the construction management and inspection experience, but we have the local bench strength and the level of oversight that will allow us to support your CIPR projects' needs. We bring a team that has the skills, integrity and experience to deliver your projects as intended. From our Principal in Charge, to our Project Managers, Construction Managers, and Inspectors, we bring the following advantages to Mesa Water:

- **Experienced Local Construction Management and Inspection Experience** – The MWH team consists of experienced knowledgeable personnel with relevant Southern California experience working for numerous local agencies. Our Program Manager, Edmond Sayegh, PE, brings more than 23 years of design and construction management experience in municipal water/wastewater facilities,

Company Name

MWH Constructors, Inc. (MWH)

MWH Contact

Randy Lovan
Southern California
Regional Manager
Construction
Management Services

☎ (949) 439-0423

✉ randy.lovan@
mwhconstructors.com

Address

17901 Von Karman Ave, Suite 600
Irvine, CA 92614

Addenda

MWH hereby acknowledges the receipt of the following:

Mesa Water District CM RFQ
Questions and Answers,
July 17, 2020

ADDENDUM NO. #1,
July 21, 2020

Federal Tax ID Number

84-1242056

Type of Business

Corporation

Years in Business

1820 Founded

1945 began Construction
Management Services

and is committed to be a proactive and solutions-oriented partner with Mesa Water. In addition, we have several team members living within 15 minutes of Mesa Water's service area. The MWH team is poised and prepared to meet your needs.

- **Current As-Needed Contract Experience** – MWH is currently serving on on-call contracts for Mesa Water District, West Basin Municipal Water District, Moulton Niguel Water District, Ontario Municipal Utilities Company, Water Replenishment District of Southern California, Department of Water Resources, Santa Clarita Valley Water Agency, Inland Empire Utilities Agency, and the Coachella Valley Water District. We have the necessary scheduling experience and flexibility to augment your staff for successful project completions.
- **Trusted Partner in the Community** – We understand the need to develop strong public relations in order to mitigate construction impacts to the community and local businesses. Serving as your Principal-in-Charge, I have worked for many of the major Water Agencies and City Utilities in Southern California. Together with my team, we are committed to be your trusted advisor, providing “the right person, for the right job, at a fair price”.

MWH hereby acknowledges the receipt of “Mesa Water District CM RFQ Questions and Answers”, issued on July 17, 2020, and ADDENDUM NO. #1 issued July 21, 2020. We appreciate this opportunity to continue working with Mesa Water District and look forward to your response. This proposal is valid for 60 days. If you have any questions or require further information, please contact me at (949) 439-0423 or randy.lovan@ mwhconstructors.com.

Sincerely,



Randy B. Lovan
Southern California
Regional Manager
Construction Management
Services

James W. Bowley
Vice President
Regional Director - West
Construction Management
Services

Name, title, telephone number and, if different, address of person(s) authorized to represent business entity

Randy Lovan
Southern California
Regional Manager
Construction
Management Services
☎ (949) 439-0423
✉ randy.lovan@
mwhconstructors.com

Name, title, telephone number and, if different, address of person(s) authorized to sign contracts for the business entity

James W. Bowley
Regional Director - West
Construction
Management Services
☎ (916) 870-0798
✉ jim.bowley@
mwhconstructors.com



Rate Schedule

The following hourly wage rates is based on the Construction Management Services referenced in the Mesa Water District’s Professional Services Request for Qualifications; Construction Management Services for the Capital Improvement Program Renewal dated June 23, 2020.

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MWHC Hourly Rate Schedule for Construction Management Services.

Work Classification Title	2020	2021	2022	Time
Principal-In-Charge	\$275	\$282	\$289	per hour
Program Manger	\$236	\$242	\$248	per hour
Project Manager	\$190	\$195	\$200	per hour
Construction Manager	\$175	\$195	\$200	per hour
Resident Engineer	\$165	\$169	\$173	per hour
Field Engineer	\$143	\$147	\$150	per hour
Construction Inspector, Specialty	\$155	\$159	\$163	per hour
Construction Inspector	\$148	\$152	\$155	per hour
Estimator / Scheduler	\$148	\$152	\$155	per hour
Project Controls				
Construction Administration	\$95	\$97	\$100	per hour
Construction Claims Analysis & Support • Director Risk Management • Manager Claims Analyst	\$241 \$185	\$248 \$191	\$256 \$196	per hour
Commercial Claim Analyst	\$165	\$170	\$175	per hour
Clerical/Graphics/Reproduction	\$85	\$88	\$90	per hour



General

Our hourly rate schedule is based on Construction Management Service referenced in the Mesa Water District's Professional Services Request for Qualifications; Construction Management Services for the Capital Improvement Program Renewal dated June 23, 2020.

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, and approved by Mesa Water District. 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. * Overtime hourly rates for Field Inspection personnel shall be subject to 1.5 times the listed rate for standard overtime hours and 2 times the listed rate for standard double time hours.

Rates for the Construction Management Team

Rates for the CM team include vehicle mileage, computers, computer software, digital cameras, digital video cameras, cell phones and cell phone service, mail, telephone charges, 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.

The Hourly Rate Schedule as included in MWH's Cost Proposal list the Hourly rates for each position for the duration of the project. Overtime rate shall be billed at 1 ½ the posted rate. **An annual escalation of 2.5 % 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 negotiated in January of each calendar year with implementation beginning on March 1 of each calendar year.

Excluded from Rates

Items excluded from the rates are printers/copiers/scanners, paper for any and 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, cost of sanitary services, janitorial, furniture, travel and per diem outside the service area for in-plant fabrication inspection. Travel costs outside the service area will be determined after requesting and receiving approval by the Mesa water District in advance of the incurred costs.

Legal

All subconsultants will be bound to the final terms and conditions of the prime agreement. Geotechnical Support and Inspection.

Material Testing

Geotechnical inspection, materials sampling and testing services of the subgrade & base layers are included in the scope of services.

Material Testing and Specialty Inspection

Materials sampling, materials testing, specialty inspection and NDT services and fees are 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 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.



Subconsultant Rates

Converse Consultants, Inc.

Prevailing Wage Schedule of Fees Geotechnical Personnel. Valid through December 31, 2020.



Hourly Charges for Personnel

Staff assignments will depend on personnel availability, job complexity, project site location, and experience level required to satisfy the technical requirements of the project and to meet the prevailing standard of professional care.

Classification	Rate/per hr
Field Technical Services (all including vehicle and equipment)	
Construction Inspector – ACI/ICC and/or AWS/CWI certified (concrete, post-tension, masonry, structural steel, fireproofing; includes concrete batch plant and local steel fabrication inspections)	\$125
DSA Masonry Inspector	\$125
Non-Destructive Testing Inspector (ultrasonic, magnetic particle, dye penetrant, skidmore, pull testing, torque testing, Schmidt hammer, and pachometer)	\$130
Soils Technician (soil, base, asphalt concrete, and moisture emission testing)	\$125
Sample Pick-Up	\$50
Professional Services (consultation for field and office, if requested)	
Staff Professional	\$125
Senior Staff Professional	\$125
Project Professional	\$135
Project Manager	\$160
Senior Professional	\$170
Principal Professional	\$210

Laboratory Testing Rates are listed on the next page.



CONVERSE CONSULTANTS Schedule of Fees – Geotechnical Laboratory Testing

Compensation for laboratory testing services will be made in accordance with this fee schedule which includes test report(s) and engineering time. Costs of tests not on this schedule will be by quote and/or in accordance with our current hourly fee schedule. The rates are based on non-contaminated soil. A surcharge will be charged for handling contaminated material, which will be determined based on the project.

IDENTIFICATION AND INDEX PROPERTIES TESTS

Visual Classification, ASTM D2488.....	15.00
Engineering Classification, ASTM D2487	15.00
Moisture Content	
Moisture Content and Dry (bulk) Density, ASTM D2216 and D2937	20.00
Moisture Content, ASTM D2216	15.00
Shrinkage Limit, ASTM D427	85.00
Atterberg Limits, ASTM D4318	
Several points	100.00
One Point	50.00
Particle Size Analysis, ASTM D422	
Fine Sieve, from #200 to #4	100.00
Coarse and Fine Sieve, from #200 to 3 in.....	180.00
Hydrometer	110.00
Percent Passing #200 Sieve, ASTM D1140.....	60.00
Specific Gravity	
Fine, passing #4 sieve, ASTM D854	90.00
Coarse, retained on #4 sieve, ASTM C127	90.00
Sand Equivalent Test.....	90.00
Double Hydrometer Dispersion, ASTM D4221.....	150.00

COMPACTION AND BEARING STRENGTH

Standard Proctor Compaction, ASTM D698 or ASTM D1557-91	
Method A or B	190.00
Method C, 6" mold.....	200.00
California Impact Method, Caltrans 216	200.00
R-value, ASTM D2844	250.00
California Bearing Ratio (CBR), ASTM D1883	
1 Point.....	150.00
3 Points	350.00
Relative Density	
0.1 Cubic Foot Mold	200.00
0.5 Cubic Foot Mold	300.00

SHEAR STRENGTH

Torvane/Pocket Penetrometer	20.00
Direct Shear	
Quick Test.....	75.00
Consolidated, Drained, granular soil, ASTM D3080	180.00
Consolidated, Drained, fine grained soil, ASTM D3080	250.00
Consolidated, Undrained, fine grained soil.....	180.00
Residual Strength, per cycle	60.00
Remolded Specimens	60.00

STATIC UNIAXIAL AND TRIAXIAL STRENGTH TESTS (PER POINT)

Unconfined Compression, ASTM D2166	100.00
Unconsolidated, Undrained, ASTM D2850	110.00
Consolidated, Undrained, per point	700.00
Consolidated, Drained, per point	700.00
With Pore Pressure Measurement, per load	150.00
Remolded Specimens.....	60.00

CONSOLIDATION AND SWELL COLLAPSE TESTS

8 Load Increments	200.00
Additional Load Increment	40.00
Time-Ratio, per load increment.....	80.00
Single Point, collapse test.....	80.00

Single Load Swell, ASTM D4546	
Ring Sample, Field Moisture	85.00
Ring Sample, Air Dried	85.00
Remolded Sample.....	60.00
Expansion Index Test, UBC 29-2/ASTM D4829.....	130.00

HYDRAULIC CONDUCTIVITY TESTS

Constant Head, ASTM D2434	250.00
Falling Head Flexible Wall, ASTM D5084	300.00
Triaxial Permeability, EPA 9100.....	350.00
Remolded Specimen	60.00

CHEMICAL TESTS

Corrosivity (pH, resistivity, sulfates, chlorides).....	220.00
Organic Content, ASTM D2974.....	75.00

Conditions: Unit rates presented on this fee schedule are for routinely performed geotechnical laboratory tests. Numerous other earth material physical tests can be performed in our geotechnical laboratories, including rock core, soil cement and soil lime mixture tests. Tests not listed can be quoted upon request. This fee schedule is valid through December 31, 2020.

Prices are based on the assumption that samples are uncontaminated and do not contain heavy metals, acids, carcinogens and/or volatile organics which can be measured by an organic vapor analyzer or photoionization detector with a concentration greater than 50 parts-per-million (ppm). Quoted testing fees are based on the assumption that no protective clothing will be required to handle samples. If Level D protective clothing will be required during handling of samples (as defined in Federal CFR Part 1910.120), then a 40% increase in fees presented in this schedule will be applied. Level C protective clothing will be a 60% increase in fees. Converse will not handle samples that require either Level B or Level A protection in our geotechnical laboratories. Contaminated samples will be returned to the client. Uncontaminated samples will be disposed of 30 days after presentation of test results. The client must disclose the source of samples. Samples imported from out of state will be incinerated after testing in accordance with requirements of the United States Department of Agriculture. Soil samples obtained within the State of California currently designated quarantine areas will also be incinerated in accordance with the requirement of the State of California, Department of Food and Agriculture, Division of Plant Industry, Pest Exclusion. A \$5.00 incineration fee will be added to each sample that is required to be incinerated in accordance with State and Federal law.

Test results requiring plots will be presented in a publishable format generated from computer programs. Otherwise, raw test numbers will be presented. A minimum laboratory fee of \$50.00 will be charged to present and mail test results. Beyond the standard U.S. Mail delivery, specialized transmittal will be charged at additional cost (e.g., Federal Express, UPS, etc.). Geotechnical testing does not include engineering and/or geologic review and analysis. Typical turnaround for geotechnical laboratory testing is two weeks (or roughly ten working days). To expedite test turnaround to five working days, a 50% increase in the fees in this schedule will be applied. Many geotechnical tests require at least one week to perform in accordance with ASTM or other standard specifications. Fees presented in this schedule for relatively undisturbed direct shear, consolidation or expansion pressure tests are based on the assumption that 22-inch-diameter (2.416-inch inside diameter) brass ring samples will be provided to the geotechnical laboratory for testing. Remolded specimens will be compacted in standard 2.5-inch outside diameter brass rings for direct shear, consolidation and expansion pressure tests. All fees presented in this schedule are based on the assumption that the client will deliver samples to our laboratory at no additional cost to Converse.

Invoices will be issued monthly and are payable on receipt unless otherwise agreed upon. Interest of 1.5% per month (but not exceeding the maximum allowed by law) will be payable on any amount not paid within thirty days; payment thereafter to be applied first to accrued interest and then to the principle unpaid amount. The Client shall pay any attorneys' fees or other costs incurred in collecting any delinquent amounts.



Subconsultant Rates



SCHEDULE OF BILLING RATES – 2020

Billing Level	Hourly Rate	Description												
3	\$98	Junior Level position <input type="checkbox"/> Independently carries out assignments of limited scope using standard procedures, methods and techniques <input type="checkbox"/> Assists senior staff in carrying out more advanced procedures <input type="checkbox"/> Completed work is reviewed for feasibility and soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program or equivalent <input type="checkbox"/> Generally, one to three years' experience												
4	\$108													
5	\$123													
6	\$127	Fully Qualified Professional Position <input type="checkbox"/> Carries out assignments requiring general familiarity within a broad field of the respective profession <input type="checkbox"/> Makes decisions by using a combination of standard methods and techniques <input type="checkbox"/> Actively participates in planning to ensure the achievement of objectives <input type="checkbox"/> Works independently to interpret information and resolve difficulties <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, three to six years' experience												
7	\$132													
8	\$143													
9	\$149	First Level Supervisor or first complete Level of Specialization <input type="checkbox"/> Provides applied professional knowledge and initiative in planning and coordinating work programs <input type="checkbox"/> Adapts established guidelines as necessary to address unusual issues <input type="checkbox"/> Decisions accepted as technically accurate, however may on occasion be reviewed for soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, five to nine years' experience												
10	\$154													
11	\$165													
12	\$174	Highly Specialized Technical Professional or Supervisor of groups of professionals <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Participates in short and long range planning to ensure the achievement of objectives <input type="checkbox"/> Makes responsible decisions on all matters, including policy recommendations, work methods, and financial controls associated with large expenditures <input type="checkbox"/> Reviews and evaluates technical work <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, ten to fifteen years' experience with extensive, broad experience												
13	\$183													
14	\$192													
15	\$204	Senior Level Consultant or Management <input type="checkbox"/> Recognized as an authority in a specific field with qualifications of significant value <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Independently conceives programs and problems for investigation <input type="checkbox"/> Participates in discussions to ensure the achievement of program and/or project objectives <input type="checkbox"/> Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, more than twelve years' experience with extensive experience												
16	\$225													
17	\$232													
18	\$239	Senior Level Management under review by Vice President or higher <input type="checkbox"/> Recognized as an authority in a specific field with qualifications of significant value <input type="checkbox"/> Responsible for long range planning within a specific area of practice or region <input type="checkbox"/> Makes decisions which are far reaching and limited only by objectives and policies of the organization <input type="checkbox"/> Plans/approves projects requiring significant human resources or capital investment <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, fifteen years' experience with extensive professional and management experience												
19	\$248													
20	\$258													
21	\$274													
Survey Crews		<table border="1"> <thead> <tr> <th>Crew Size</th> <th>Regular Rate</th> <th>Overtime Rate</th> </tr> </thead> <tbody> <tr> <td>1-Person</td> <td>\$185</td> <td>\$225</td> </tr> <tr> <td>2-Person</td> <td>\$275</td> <td>\$380</td> </tr> <tr> <td>3-Person</td> <td>\$375</td> <td>\$510</td> </tr> </tbody> </table>	Crew Size	Regular Rate	Overtime Rate	1-Person	\$185	\$225	2-Person	\$275	\$380	3-Person	\$375	\$510
Crew Size	Regular Rate	Overtime Rate												
1-Person	\$185	\$225												
2-Person	\$275	\$380												
3-Person	\$375	\$510												

Expert Witness Services carry a 50% premium on labor. Overtime will be charged at 1.5 times the standard billing rate. All labor rates will be subject to annual increase.

T-2 2020

\\us0300-pfss01\workgroup\1895\active\901050\master\doc\RATE TABLES\2020 Rate Tables\Word Doc Rate Tables\Table 2 2020 So Cal Rate w Crew Rates.doc



Subconsultant Rates



HARPER & ASSOCIATES ENGINEERING, INC. CONSULTING ENGINEERS

1240 E. Ontario Ave., Ste. 102-312, Corona, CA 92881-8671
Phone (951) 372-9196 Fax (951) 372-9198
www.harpereng.com

TERMS AND SCHEDULE OF FEES AND CHARGES

HARPER & ASSOCIATES ENGINEERING, INC. services are furnished on the basis of the below listed schedule of fees and charges. Rates will be increased at a maximum of 3% per year for continuation of contract for subsequent years.

FEES:	Principal Engineer	\$230.00 per hour
	Expert Witness/Deposition	\$260.00 per hour
	Registered Corrosion Engineer	\$195.00 per hour
	Registered Structural Engineer	\$195.00 per hour
	Project Manager	\$190.00 per hour
	Engineer	\$170.00 per hour
	Engineering Technician	\$100.00 per hour
	Engineering Aide	\$90.00 per hour
	Coating/Paint Inspector	\$86.00 per hour
	Draftsperson (CADD)	\$115.00 per hour
	Dive Team	\$265.00 per hour
	Clerical	\$65.00 per hour

Travel time is chargeable at the above rates. Overtime for non-professionals, when authorized, shall be charged at 1-1/2X and 2X, based on specific time schedule under which work is performed. If project is located out of area, food and lodging will be charged as noted below.

EQUIPMENT AND MISCELLANEOUS CHARGES

The above charges include instruments commonly used in corrosion and related testing. However, specialized instrumentation and test equipment and facilities may require an additional charge.

These and miscellaneous charges are computed at cost plus fifteen percent. Examples of such charges include, but are not limited to, food, lodging, outside consultants, public transportation, rental equipment, special permits and fees, reproduction, special insurance, etc.



Subconsultant Rates



FEE SCHEDULE *

Labor Category	Hourly Rate
Owner/LLC Manager	\$230
Program Manager	\$220
Senior Associate	\$185
Associate	\$165
Junior Associate	\$145
Administrative/Clerical	\$ 90

****Fee schedule effective through June 30, 2021 and revised annually. Annual billing rate escalation shall be limited to the annual LA/OC Consumer Price Index.***

Alliance Outreach, LLC
1940 North Tustin Street, Suite 111
Orange, CA 92865

Phone: (714) 855-1771
E-mail: info@allianceoutreach.com
Website: www.allianceoutreach.com



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: August 13, 2020
SUBJECT: Independent Special Districts of Orange County Executive Committee Election

RECOMMENDATION

Review the Independent Special Districts of Orange County Executive Committee election information and discuss potential candidacy interest.

STRATEGIC PLAN

Goal #4: Increase public awareness about Mesa Water® and about water.
Goal #7: Actively participate in regional water issues.

DISCUSSION

On August 3, 2020, Mesa Water District (Mesa Water®) received a letter from the Independent Special Districts of Orange County (ISDOC) calling for candidates to serve on its Executive Committee. The letter is the official notice for the election of six ISDOC Executive Committee positions: President, First Vice President, Second Vice President, Third Vice President, Treasurer, and Secretary. The term of office for these positions is two years, beginning January 1, 2021.

Nominations for the ISDOC Executive Committee positions close on Friday, September 11, 2020. Any Board Member/Trustee of a regular ISDOC member agency is eligible for nomination to any of the open positions. Individuals who wish to be considered for a position should submit a letter of interest for that position, together with a resolution from their Board of Directors (Board) authorizing their candidacy.

Ballots will be mailed to all regular ISDOC members in good standing on **Tuesday, September 15, 2020 and are due by October 23, 2020.** The election will be by mail ballot and new officers will be announced at ISDOC's October 29, 2020 Quarterly Meeting.

Attached is the information that Mesa Water received for the ISDOC Executive Committee Election. Staff can provide a verbal update about the ISDOC Executive Committee election to Mesa Water's Board at its August 13, 2020 meeting.

FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: ISDOC Executive Committee Election Correspondence



Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

(714) 963-3058
(714) 964-5930 fax

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Sandra Jacobs
Santa Margarita Water District

1st Vice President
Hon. Mark Monin
El Toro Water District

2nd Vice President
Hon. Arlene Schafer
Costa Mesa Sanitary District

3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. Bill Green
*South Coast Water District
CSD*

Treasurer
Hon. Joan C. Finnegan
*Municipal Water District of
Orange County*

Immediate Past President
Hon. James Fisler
Mesa Water District

Staff Administration

Heather Baez
*Municipal Water District of Orange
County*

Christina Hernandez
*Municipal Water District of Orange
County*

August 3, 2020

PLEASE DISSEMINATE TO ALL BOARD MEMBERS

This email shall serve as official notice and call for candidates for the positions of President, First Vice President, Second Vice President, Third Vice President, Secretary and Treasurer on the Executive Committee of the Independent Special Districts of Orange County (ISDOC).

Terms of office are for two years, commencing on January 1, 2021.

The election will be by mail ballot and new officers will be announced at the October 29, 2020 Quarterly Meeting. Ballots will be mailed to all regular ISDOC members in good standing on **Tuesday, September 15, 2020 and are due by October 23, 2020.**

Nominations will close on Friday, September 11, 2020. Any Board Member/Trustee of a regular ISDOC member agency is eligible for nomination to any of the open positions. Individuals who wish to be considered for a position should submit a letter of interest for that position, together with a resolution from their Board authorizing their candidacy.

Responsibilities of the positions are as follows:

PRESIDENT: The President is the chief executive officer of ISDOC. He or she presides at all meetings of the Board of Directors and the Executive Committee, appoints all committees, and represents ISDOC as its official spokesperson.

FIRST VICE PRESIDENT: The First Vice President chairs the Program Committee. Duties include planning the Quarterly Luncheon program, inviting and coordinating with the invited speaker, and in the absence of the President, shall perform all duties of the President.

SECOND VICE PRESIDENT: The Second Vice President chairs the Membership Committee. Duties include maintaining a list of current regular and associate members, follow up with any outstanding membership dues as needed, and in the absence of the President and First Vice President, shall perform all duties of the President.

THIRD VICE PRESIDENT: The Third Vice President chairs the Legislative Committee. Duties include providing a legislative update, making legislative position recommendations to the Executive Committee, and in the absence of the President, First Vice President, and Second Vice President, shall perform all duties of the President.

SECRETARY: The Secretary is responsible for all correspondence and the dissemination of information to members. Duties include preparing and distributing agendas and minutes for the Executive Committee meeting, and editing and publishing the quarterly newsletter. All official correspondence to the members will be approved in advance by the President or President's designee.

TREASURER: The Treasurer maintains the complete financial records and bank accounts in the name of the Organization, and pays all bills duly approved by the Executive Committee, with a report to be presented to the membership at the Organizations next membership meeting.

Meetings of the Executive Committee typically occur on the first Tuesday of each month at 7:30 a.m. in the offices of the Municipal Water District of Orange County (MWDOC) in Fountain Valley.

If you are seeking nomination to a position on the Executive Committee, please send your letter/email of interest and a copy of your Board's authorizing resolution to Heather Baez at hbaez@mwdoc.com. All nomination requests must be received by **Tuesday, September 11, 2020**.

If you have any questions about the any of the positions or the election process, please contact either Heather Baez at hbaez@mwdoc.com or Christina Hernandez at chernandez@mwdoc.com.



Mailing Address

P.O. Box 20895
Fountain Valley, CA 92728

Meeting Location

MWDOC/OCWD
18700 Ward Street
Fountain Valley, CA 92708

(714) 963-3058
(714) 964-5930 fax

www.mwdoc.com/isdoc

Executive Committee

President
Hon. Sandra Jacobs
Santa Margarita Water District

1st Vice President
Hon. Mark Monin
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2nd Vice President
Hon. Arlene Schafer
Costa Mesa Sanitary District

3rd Vice President
Hon. Mary Aileen Matheis
Irvine Ranch Water District

Secretary
Hon. Bill Green
South Coast Water District

Treasurer
Hon. Joan C. Finnegan
Municipal Water District of Orange County

Immediate Past President
Hon. James Fislser
Mesa Water District

Staff Administration

Heather Baez
Municipal Water District of Orange County

Christina Hernandez
Municipal Water District of Orange County

Independent Special Districts of Orange County

2020 Election Timeline

August 3, 2020	Call for nominations sent out for the 2021-2022 Executive Committee officer positions. We are seeking candidates for President, 1 st Vice President, 2 nd Vice President, 3 rd Vice President, Secretary, Treasurer, Programs, membership and legislation to the 1 st , 2 nd , 3 rd VP.
September 11, 2020	The Nomination period for Executive Committee officer positions closed. Nominations should include the following: <ol style="list-style-type: none"> 1. Board Resolution authorizing your candidacy; 2. Position for which you are running; 3. What you will bring to ISDOC, and; 4. Introductory about yourself.
September 15, 2020	Ballots sent out – Via US mail and email.
October 23, 2020	Ballots are due – Via US mail or email to Heather Baez: P.O. Box 20895 Fountain Valley, CA 92728 or hbaez@mwdoc.com
October 29, 2020	The names of officers elected announced at ISDOC quarterly meeting.

REPORTS:

9. REPORT OF THE GENERAL MANAGER:
 - July Key Indicators Report
 - Other (no enclosure)

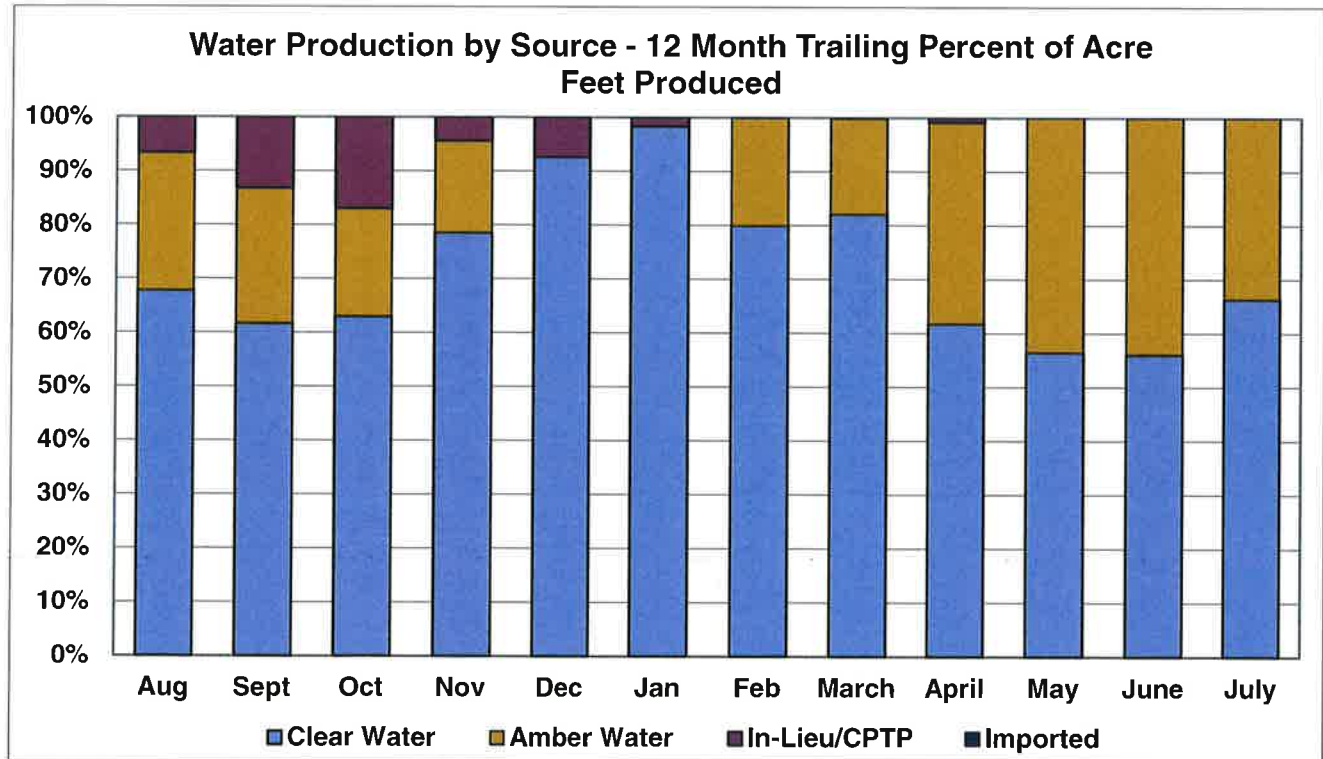
**Monthly Key Indicators Report
For The Month of July 2020**

Goal #1: Provide a safe, abundant, and reliable water supply

FY 2021 Potable Production (Acre Feet)

Water Supply Source	FY 2021 YTD Actual (AF)	FY 2021 YTD Budget (AF)	FY 2021 Annual Budget (AF)
Clear Water	1,083	1,139	12,160
Amber Water (MWRP)	550	425	3,636
Imported	0	0	0
Basin Management Water	0	0	0
Total Production	1,633	1,564	15,796

YTD actual water production (AF) through July 31, 2020



**Monthly Key Indicators Report
For The Month of July 2020**

Goal #1: Provide a safe, abundant, and reliable water supply

FY20 System Water Quality – This data reflects samples taken in June

Distribution System:	Average	Range	MCL
Chlorine Residual (mg/L) <i>Compliance</i>	1.84	0.07 – 3.06 Current RAA = 1.75	4 RAA
Coliform Positive % <i>Compliance</i>	0	0	5
Temperature (° F)	78	70 – 83	None

Reservoir I & II:	Average	Range	MCL
Chlorine Residual (mg/L)	1.27	0.54 – 1.94	None
Monochloramine (mg/L)	1.27	0.53 – 1.92	None
Ammonia (mg/L)	0.29	0.13 - 0.43	None
Temperature (° F)	78	73 – 79	None

Wells (Treated):	Average	Range	MCL
Chlorine Residual (mg/L)	2.22	1.27 – 2.83	None
Monochloramine (mg/L)	2.16	1.32 – 2.41	None
Ammonia (mg/L)	0.47	0.31 - 0.58	None
Temperature (° F)	77	71 – 86	None

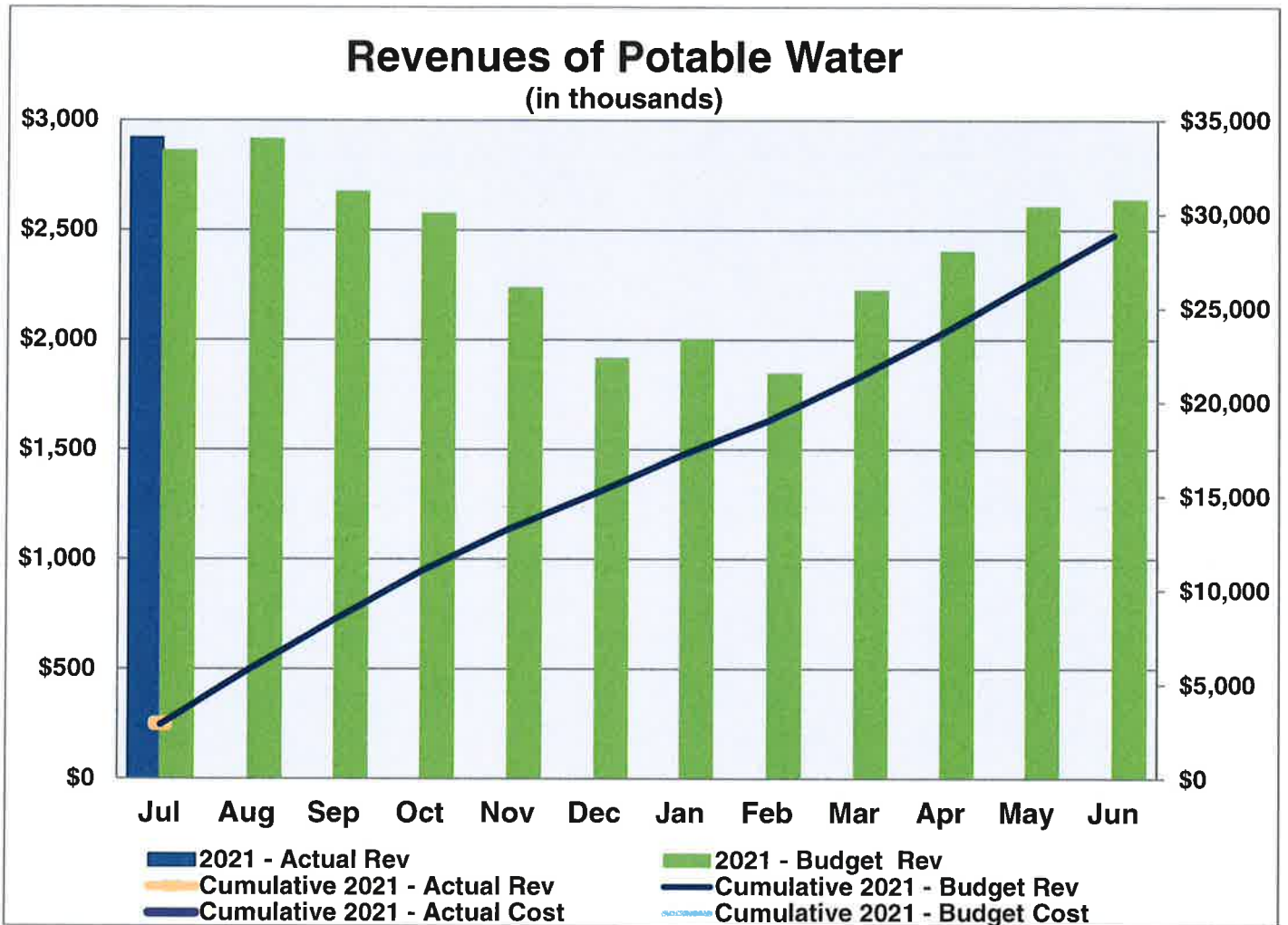
MWRF:	Average	Range	MCL
Chlorine Residual (mg/L)	2.44	2.00 – 2.90	None
Monochloramine (mg/L)	2.29	1.96 – 2.75	None
Ammonia (mg/L)	0.54	0.45 – 0.65	None
Temperature (° F)	83	80 – 85	None
Color (CU) <i>Compliance</i>	ND	ND	15
Odor (TON) <i>Compliance</i>	ND	ND	3

Water Quality Calls/Investigations:

Total Calls	3
Total Investigations (from calls)	2

**Monthly Key Indicators Report
For The Month of July 2020**

Goal #2: Practice perpetual infrastructure renewal and improvement



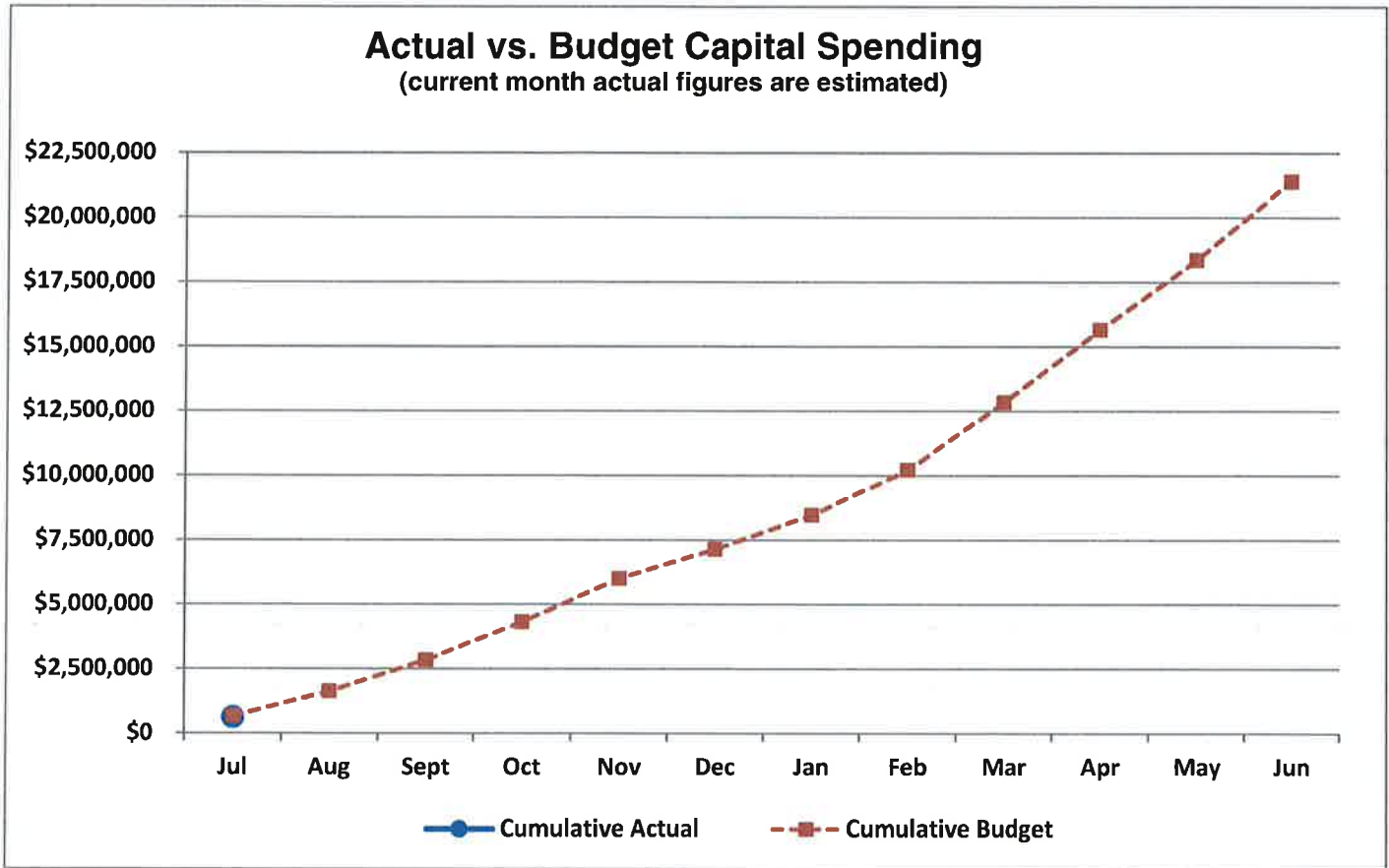
	Actual	Budget	Favorable (Unfavorable)	
			Difference	%
Total YTD Revenue \$	2,918,586	2,861,005	57,581	2.01%

	Actual	Budget	UnFavorable (Favorable)	
			Difference	%
Total YTD Cost \$ *	-	-	-	-

* YTD Cost is trailing YTD Revenue by one month due to the timing of when costs are available.

Monthly Key Indicators Report
For The Month of July 2020

Goal #3: Be financially responsible and transparent



**Monthly Key Indicators Report
For The Month of July 2020**

Goal #4: Increase public awareness about Mesa Water® and about water

Web Site Information

Web Site Information	June 2020	July 2020
Visits to the web site	7175	7663
Unique visitors (First time to the site)	4787	4994
Average per day	239	247
Average visit length	1 minute, 30 seconds	1 minute, 27 seconds
Page visited most	Home	Home
Second most visited page	Online Bill Pay	Online Bill Pay
Third most visited page	Human Resources	Rates & Fees
Fourth most visited page	Rates & Fees	Human Resources
Fifth most visited page	Contact	Board
Most downloaded file	2020 Water Quality Report	2020 Water Quality Report
Second most downloaded file	Standard Specifications and Standard Drawings for the Construction of Water Facilities	Standard Specifications and Standard Drawings for the Construction of Water Facilities
Most active day of the week	Monday	Wednesday
Least active day of the week	Sunday	Saturday

Total visits since July 1, 2002	<u>1,437,062</u>
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Water Vending Machine Information

Vending Machine Location	Vend Measurement	July 2020 Vends	Totals Vends
Mesa Water Office	1 gal	7,257	436,027

Monthly Key Indicators Report
For the Month of July 2020
Goal #5: Attract and retain skilled employees

DEPARTMENT:	FY 2020			COMMENTS:
	BUDGET	FILLED	VACANT	
OFFICE OF THE GENERAL MANAGER:				
General Manager	1.00	1.00	0.00	
Business Administrator	1.00	1.00	0.00	
Subtotal	2.00	2.00	0.00	
ADMINISTRATIVE SERVICES:				
Administrative Services	5.00	5.00	0.00	
Subtotal	5.00	5.00	0.00	
CUSTOMER SERVICES:				
Conservation	1.00	1.00	0.00	
Customer Service	4.00	4.00	0.00	
Subtotal	5.00	5.00	0.00	
ENGINEERING:				
Engineering	5.00	4.00	1.00	Principal Engineer - vacant; recruitment in process
Subtotal	5.00	4.00	1.00	
WATER POLICY:				
Legislative & Governmental Affairs	1.50	1.50		
Subtotal	1.50	1.50	0.00	
FINANCIAL SERVICES:				
Financial Reporting/ Purchasing	4.00	4.00	0.00	
Accounting	1.00	1.00	0.00	
Subtotal	5.00	5.00	0.00	
HUMAN RESOURCES:				
Human Resources	3.00	3.00	0.00	
Subtotal	3.00	3.00	0.00	
PUBLIC AFFAIRS:				
Outreach, Education & Communications	1.50	1.50	0.00	
Subtotal	1.50	1.50	0.00	
WATER OPERATIONS:				
Supervision/Support	7.00	7.00	0.00	
Distribution	10.00	9.00	1.00	Sr. Operator - vacant; recruitment in process
Field Customer Service	4.00	4.00	0.00	
Production	3.00	2.00	1.00	Sr. Operator - vacant; recruitment in process
Water Quality	2.00	2.00	0.00	
Subtotal	26.00	24.00	2.00	
* TOTAL BUDGETED POSITIONS:	54.00	51.00	3.00	

**Monthly Key Indicators Report
For The Month of July 2020**

Goal #6: Provide outstanding customer service

Customer Calls

Call Type	FY20 YTD	July 2020	YTD Weekly Average
General Billing Question	114	114	23
Service Requests	156	156	31
High Bill	147	147	29
Payments	308	308	62
Late Fee	30	30	6
Account Maintenance	81	81	16
On-Line Bill Pay	215	215	43
Water Pressure	6	6	1
No Water	22	22	4
Conservation	12	12	2
Water Waste	2	2	1
Other (District info. other utility info. etc.)	317	317	63
Rate Increase	0	0	0
Fluoridation	0	0	0
TOTAL CUSTOMER CALLS	1410	1410	282
AVERAGE ANSWER TIME (Seconds)	52	52	52

Online Bill Pay Customers

Current Customers Enrolled	FY 2020 YTD	July 2020	YTD Weekly Average
13338	231	231	46

REPORTS:

10. DIRECTORS' REPORTS AND COMMENTS

**DIRECTORS' REPORTS (AB 1234) PER CA GOVERNMENT
CODE SECTION 53232.3 (d)**

In accordance with CA Government Code 53232.3 (d), the following report identifies the meetings for which Mesa Water Directors received expense reimbursement.

Jim Atkinson **Meetings Attended**

Reimbursement Date:	Description, Date
N/A	

Fred R. Bockmiller, P.E. **Meetings Attended**

Reimbursement Date:	Description, Date
N/A	

Marice H. DePasquale **Meetings Attended**

Reimbursement Date:	Description, Date
N/A	

Shawn Dewane **Meetings Attended**

Reimbursement Date:	Description, Date
N/A	

James R. Fisler **Meetings Attended**

Reimbursement Date:	Description, Date
N/A	

There are no support materials for this item.