



*Dedicated to
Satisfying our Community's
Water Needs*

**AGENDA
MESA WATER DISTRICT
BOARD OF DIRECTORS
TUESDAY, SEPTEMBER 28, 2021
1965 Placentia Avenue, Costa Mesa, CA 92627
3:30 p.m. Adjourned Regular Board Meeting**

BOARD OF DIRECTORS COMMITTEE MEETING

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 appearing on the posted agenda. Each speaker shall be limited to three minutes. The Board will set aside 30 minutes for public comments for items not appearing on the posted agenda.

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

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 the minutes of adjourned regular Board meeting of August 26, 2021.
2. Receive and file the Developer Project Status Report.
3. Receive and file the Mesa Water and Other Agency Projects Status Report.
4. Receive and file the Water Quality Call Report.
5. Receive and file the Water Operations Status Report.
6. Receive and file the Accounts Paid Listing.
7. Receive and file the Monthly Financial Reports.
8. Receive and file the Major Staff Projects.
9. Receive and file the State Advocacy Update.
10. Receive and file the Orange County Update.
11. Receive and file the Outreach Update.

PRESENTATION AND DISCUSSION ITEMS:

12. WATER FUTURES:

Recommendation: Receive the presentation.



13. CAPITAL IMPROVEMENT PROGRAM RENEWAL QUARTERLY UPDATE:

Recommendation: Receive the presentation.

14. PIPELINE INTEGRITY PROGRAM UPDATE:

Recommendation: Receive the presentation.

15. MISSION STATEMENT, CORE VALUES, TAGLINE & PROPOSED BRAND PROMISE ROLLOUT:

Recommendation: Receive the presentation.

16. ASSEMBLY BILL NO. 361 (RIVAS) – OPEN MEETINGS: STATE AND LOCAL AGENCIES: TELECONFERENCES:

Recommendation: This item is provided for information.

ACTION ITEMS:

17. VAULT REHABILITATION AND ABANDONMENT CONSTRUCTION:

Recommendation: Award a contract to T. E. Roberts, Inc. for \$677,461 and a 10% contingency of \$67,746 for a total contract amount not to exceed \$745,201 to provide construction for the Vault Rehabilitation and Abandonment Project, and authorize the General Manager to execute the contract.

REPORTS:

18. REPORT OF THE GENERAL MANAGER

19. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

20. 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 call the District Secretary at (949) 631-1205. 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 using 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, OCTOBER 5, 2021 AT 3:30 P.M.



*Dedicated to
Satisfying our Community's
Water Needs*

**MINUTES OF THE BOARD OF DIRECTORS
MESA WATER DISTRICT
Thursday, August 26, 2021
1965 Placentia Avenue, Costa Mesa, CA 92627
3:30 p.m. Adjourned Regular Board Meeting**

CALL TO ORDER

The meeting of the Board of Directors was called to order at 3:30 p.m. by President DePasquale.

PLEDGE OF ALLEGIANCE

Director Bockmiller led the Pledge of Allegiance.

Directors Present

Marice H. DePasquale, President
Shawn Dewane, Vice President
Jim Atkinson, Director
Fred R. Bockmiller, P.E., Director
James R. Fidler, Director

Directors Absent

None

Staff Present

Paul E. Shoenberger, P.E., General Manager
Denise Garcia, Administrative Services Manager/
District Secretary

Others Present

Sharon M. Browning, Principal, Sharon Browning &
Associates

PUBLIC COMMENTS

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

There was no public present and President DePasquale 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.

PRESENTATION AND DISCUSSION ITEMS:

1. **BOARD WORKSHOP FACILITATOR:**

- GM Shoenberger introduced Sharon Browning & Associates Principal Sharon M. Browning who proceeded with a brief overview of the desired outcomes of the workshop:
- A definition of the role of the Mesa Water Board of Directors and its Core Purpose;
 - A definition of the role of the Executive Committee; and
 - A definition of the Board's Core Values or culture vision.

Discussion ensued amongst the Board.

ACTION ITEMS:

None.

REPORTS:

3. REPORT OF THE GENERAL MANAGER
4. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

5. OTHER (NO ENCLOSURE)

President DePasquale adjourned the meeting at 5:25 p.m. to a Regular Board Meeting scheduled for Wednesday, September 8, 2021 at 4:30 p.m.

Approved:

Marice H. DePasquale, President

Denise Garcia, District Secretary

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0013-22-01	Randolph Avenue and Saint Clair Street	Irrigation Improvements	Application for New Services received on 10/27/2020 and plan check fees are waived. 1st Plan check submitted on 8/25/21 and returned on 8/30/21. 2nd Plan check submitted on 9/14/21 and returned on 9/18/21.
C0014-21-01	1170 Baker Street, Units C and D	Commercial Building	Plans received on 7/15/20 and plan check fees paid on 7/20/20. Redlines returned on 7/23/20. 2nd Plan check submitted 8/13/20 and redlines returned on 8/14/20. 3rd Plan check submitted 8/31/20 and returned on 9/6/20. Permit issued on 10/23/20. Waiting for Contractor to call for Inspection. (9/17/21)
C0070-21-01	2950 Harbor Blvd. (Fast5Xpress Car Wash)	Commercial Building	Plans received and plan check fees paid on 6/2/21. 1st Plan Check submitted on 6/2/21 and returned on 6/4/21. 2nd Plan check submitted on 6/24/21 and returned on 6/25/21. Permit issued on 8/3/21. Waiting for Contractor to call for Inspection. (9/17/21)
C0071-20-01	2277 Harbor Boulevard	Apartment Complex	Plans received and plan check fees paid on 3/17/20 and redlines returned on 3/26/20. 2nd Plan check received on 3/31/20. 2nd plan check submitted on 4/5/20 and redlines returned on 4/8/20. Received quitclaim exemption on 10/9/20. Permit issued on 12/22/20. Precon held on 4/22/21. Future hydrant placement inspected on 5/13/21. Hot Tapping inspected on 6/23/21. Second Precon with new Contractor held on 7/14/21. Shutdown for Abandonment completed on 8/10/21. (9/17/21)
C0092-19-01	2089 Harbor Blvd. (Harbor and Hamilton)	28 New Townhomes	Plans received and plan check fees paid on 4/23/19. 1st plan check submitted 4/23/19 and redlines to be picked up on 5/6/19. 2nd plan check submitted on 6/11/19 and redlines picked up on 6/18/19. 3rd Plan Check submitted on 11/25/19 and redlines returned to customer on 11/27/19. 4th Plan Check submitted on 2/4/20 and redlines emailed to customer on 2/12/20. Permit issued 6/6/20. Precon meeting held on 6/25/20. Hot taps done on 10/9/20, 10/12/20, 10/13/20. 29 Meters installed on 10/15/20. Shutdown to tie in the fireline on 10/15/20. Two Backflows tested on 10/23/20. Abandonment completed on 10/28/20. Meter install on 11/2/20. Service abandonments performed on 1/7/21. Flow tests performed on two buildings on 3/18/21. Flowthru tests for seven homes completed on 8/18/21.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0102-20-02	3550 Cadillac Avenue	Commercial	Plans received and plan check fees paid on 11/25/19. 1st Plan check submitted 11/25/19 and redlines emailed on 12/4/19. Issued plan check application termination to Owner due to non-responsiveness to complete plan check process. 2nd Plan check submitted on 7/2/20 and returned on 7/5/20. 3rd Plan check submitted on 7/25/21 and returned on 7/31/21. (9/17/21)
C0105-20-01	3333 Avenue of the Arts	Commercial	Plans received and plan check fees paid on 7/24/19. 1st Plan check submitted 7/26/19 and redlines to be picked up on 7/26/19. 2nd Plan check submitted on 8/30/19 and resubmitted on 9/11/19. 3rd plan check resubmitted on 10/8/19. Permit approved and final fees paid on 10/24/19. Precon held on 11/24/19. Temporary RW pipeline inspected and approved on 11/27/19 and report sent to DDW on 12/4/19. Precon meeting conducted on 3/5/21. Mainline and Fireline excavations inspected on 3/12/21. Services installed on 4/1/21. Meters installed on 4/6/21. Backflow tests performed on 4/7/21. Backfill and compaction completed on 4/8/21. Meter installed and locked off on 5/17/21. (9/17/21)
C0120-20-01	934 Congress Street	Single Family Home	Plans received and plan check fees paid on 10/28/19. 1st Plan check submitted 10/28/19 and redlines picked up on 11/5/19. 2nd Plan check submitted on 3/11/20, and redlines emailed to customer on 3/18/20. 3rd Plan check submitted on 3/24/20 and redlines remailed to customer on 3/26/20. Customer put project on hold on 3/27/20. Verified construction has started on 5/7/20. Issued water termination letter to Owner on 5/29/20 due to non-responsiveness to complete plan check process. Sent a letter to resume Plan Check as Fire Marshall informed Mesa Water District the residence construction continued without a permit on 5/2/21. (9/17/21)
C0137-20-01	3001 Murray Lane	Single Family Home	Plans received and plan check fees paid on 2/28/20. 1st Plan check submitted on 2/28/20 and redlines returned on 3/9/20. 2nd submittal submitted on 9/30/20 and returned on 10/11/20. 3rd Plan check submitted on 4/30/21 and returned on 5/2/21. (9/17/21)
C0140-20-01	2163 National Avenue	Single Family Home	Plans received and plan check fees paid on 3/4/20. 1st Plan check submitted on 3/4/20 and redlines returned on 3/13/20. 2nd Plan check submitted on 3/18/21 and redlines returned on 3/19/21. 2nd Plan check submitted on 6/25/21 and returned on 6/25/21. 3rd Plan check submitted on 7/28/21 and returned on 7/30/21. Permit issued on 8/16/21. (9/17/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0142-20-01	2309 Santiago Drive	Single Family Home	Plans received on 4/23/20 and plan check fees paid on 4/29/20. 1st Plan check submitted on 4/23/20 and redlines returned on 5/9/20. 2nd Plan check submitted on 5/15/20 and redlines returned on 5/28/20. Issued Permit on 6/10/20. Precon held on 3/16/21. Raised service on 3/23/21. (9/17/21)
C0148-20-01	2094 Balmoral Place	Single Family Home	Application for New Service received on 5/15/20. 1st Plan check submitted on 6/15/20 and redlines returned on 6/21/20. Plan check fees paid on 7/3/20. Awaiting response from customer on status. Site visit to check construction progress on 3/16/21 and home is still being built. (9/17/21)
C0150-20-02	165 Merrill Place	Single Family Home	Plans received on 7/3/20 and plan check fees paid on 6/25/20. 1st Plan check submitted on 6/25/20 and redlines returned on 7/5/20. Rescinded permit on 9/16/20. 2nd Plan check submitted 9/28/20 and returned on 9/29/20. Issued permit on 10/27/20. Precon held on 3/17/21. Waiting for Contractor to call for next inspection. (9/17/21)
C0152-21-01	369 Costa Mesa Street	Single Family Home	Plans received on 7/21/20 and plan check fees paid on 7/15/20. 1st Plan check submitted on 7/22/20 and redlines returned on 7/22/20. 2nd Plan check submitted on 8/6/21 and returned on 8/13/21. (9/17/21)
C0158-21-01	396 E. 21st Street	Mobile Home Park	Plan check fees paid on 8/13/20 and Application for New Service submitted on 8/7/20. 1st Plan check submitted on 7/30/20 and returned on 8/15/20. 2nd Plan check submitted on 9/2/20 was rejected. Revised 2nd Plan check submitted on 9/10/20 and returned on 9/12/20. Issued permit on 10/27/20. Waiting for Precon inspection request anticipated in May 2021. Precon held on 5/27/21. Waiting for Contractor to call for next inspection. (9/17/21)
C0160-21-01	272 Rose Lane	Single Family Home	Plan check fees paid and Application for New Service submitted on 8/24/20. 1st Plan check submitted on 8/24/20 and returned on 8/30/20. 2nd Plan check submitted on 8/31/20 and returned on 9/6/20. Issued permit on 9/30/20. Precon held on 4/20/21. Waiting for Contractor to call for inspection. (9/17/21)
C0164-21-01	282 E. 18th Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/3/20. 1st Plan check submitted on 8/31/20 and returned on 9/6/20. Issued permit on 9/30/20. Waiting for Contractor to call for inspection. (9/17/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0165-21-01	2110 Monrovia Avenue	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/3/20. 1st Plan check submitted on 9/2/20 and returned on 9/6/20. Issued permit on 9/17/20. Waiting for Contractor to call for inspection. (9/17/21)
C0169-21-01	785 Center Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/14/20. 1st Plan check submitted on 9/14/20 and returned on 9/18/20. 2nd Plan check submitted on 9/24/20 and returned on 9/25/20. Issued permit on 10/5/20. Site presurvey completed on 12/28/20. Waiting for Contractor to call for inspection. (9/17/21)
C0172-21-01	377, 379, 385 and 387 La Perle Place	4 Single Family Homes	Application for New Service submitted on 10/9/20 and waiting for Plan check fees to arrive via check. 1st Plan check submitted on 10/9/20 and returned on 10/12/20. 2nd Plan check submitted on 10/20/2020 and returned on 10/20/20. 3rd Plan check submitted on 10/27/20 and returned on 10/28/20. Permit issued on 12/22/20. Precon meeting held on 6/3/21. Services installed on 8/12/21. Two new meters installed and Flowthru tests completed on 9/20/21. Last two meters upgraded and final Flowthru tests completed on 9/21/21
C0173-21-01	1815 Anaheim Ave	Kiddie Academy	Application for New Service and plan check fees submitted on 10/14/20. 1st Plan check submitted on 10/14/20 and returned on 10/27/20. 2nd Plan check submitted on 2/26/21 and returned on 2/28/21. Final plan check fees paid on 4/19/21. Permit issued on 5/4/21. Precon held on 8/4/21. Installed services on 8/24/21. Pressure tests completed on 9/14/21. Meter installed on 9/21/21.
C0176-21-01	752-756 W. 19th Street	Mix Use	Application for New Service and plan Check Fees submitted on 12/21/20. 1st Plan check submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted 1/25/21 and returned on 2/2/21. 3rd Plan check submitted on 2/15 and returned on 2/15/21. (9/17/21)
C0177-21-01	2141 Orange Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted on 12/24/20 and returned on 12/24/20. Issued permit on 1/5/21. Waiting for Contractor to call for inspection. (9/17/21)
C0178-21-01	3025 Capri Lane	Single Family Home	Application for New Service and plan Check Fees submitted on 12/21/20. 1st Plan check submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted on 3/18/21 and returned on 3/19/21. Permit issued on 8/3/21.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0179-21-01	2183 and 2185 Tustin Avenue	Two Single Family Home	Application for New Service and Plan Check Fee submitted on 12/21/20. 1st Plan check submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted on 1/26/21 and returned on 2/2/21. Permit issued on 5/4/21. Precon held on 5/12/21. Building services, hot-tapping, and backfill completed on 6/14/21. Meter installed on 6/17/21. Waiting for Contractor to call for next inspection. (9/17/21)
C0180-21-01	3197 Airport Loop, Building F	Commercial	Application for New Service and Plan Check Fee submitted on 12/23/20. 1st Plan check submitted on 12/23/20 and returned on 12/24/20. 2nd Plan check submitted on 1/11/21 and returned on 1/12/21. 3rd Plan check submitted on 2/4/21 and returned on 2/7/21. (9/17/21)
C0182-21-01	1850 Paros Circle	Single Family Home	Application for New Service submitted on 01/28/21 and Plan Check Fee received on 01/26/21. 1st Plan check submitted on 01/28/21 and redlines returned on 2/2/21. 2nd Plan check submitted on 2/4/21 and returned on 2/7/21. Permit issued 3/5/2021. Precon meeting held on 9/14/21.
C0183-21-01	148 E. 22nd Street	Sr. Mary Armenian Church	Plan Check Fee received on 2/4/21 and Application for New Service received on 6/22/21. 1st Plan check submitted on 6/22/21 and returned on 7/3/21. 2nd Plan check submitted on 9/15/21 and returned on 9/18/21.
C0184-21-01	238 Flower Street	Single Family Home	Application for New Service submitted on 02/2/21 and Plan Check Fee received on 02/01/21. 1st Plan check submitted on 02/16/21 and redlines returned on 2/20/21. 2nd Plan Check submitted on 2/25/21 and returned on 2/28/21. Issued permit on 3/5/21. Waiting for Contractor to call for inspection. (9/17/21)
C0185-21-01	125 and 127 Cabrillo Street	Commercial Property	Application for New Service submitted on 02/16/21 and Plan Check Fee received on 02/20/21. 1st Plan check submitted on 2/25/21 and returned on 2/28/21. 2nd Plan check submitted on 3/12/21 and returned on 3/14/21. Permit issued on 7/12/21. Waiting for Contractor to call for inspection. (9/17/21)
C0186-21-01	2033 Lemnos Drive	Single Family Home	Application for New Service submitted on 02/27/21 and Plan Check Fee received on 02/26/21. 1st Plan check submitted on 2/26/21 and returned on 2/28/21. Issued permit on 3/17/21. Precon meeting held on 5/25/21. Trench excavations inspected on 5/26/21. Waiting for Contractor to call for next inspection. (9/17/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0187-21-01	237 E. 21st Street	Single Family Home	Application for New Service submitted on 2/23/21 and Plan Check Fee received on 2/25/21. 1st Plan check submitted on 3/1/21 and returned on 3/5/21. 2nd Plan check submitted on 3/13/21 and returned on 3/14/21. Issued permit on 3/19/21. Precon held on 3/26/21. Meter upgraded on 4/1/21. (9/17/21)
C0188-21-01	3190 Pullman Street	Commercial Property	Application for New Service submitted on 3/1/21 and Plan Check Fee received on 3/4/21. 1st Plan check submitted on 3/2/21 and returned on 3/5/21. 2nd Plan check submitted on 3/12/21 and returned on 3/14/21. (9/17/21)
C0189-21-01	975 West 18th Street	Commercial Property	Application for New Service submitted on 03/04/21 and Plan Check Fee received on 03/04/21. 1st Plan check submitted on 3/4/21 and returned on 3/5/21. Inspector visited jobsite to check status with nothing new to report on 3/9/21. 2nd Plan check submitted on 3/18/21 and returned on 3/19/21. 3rd Plan check submitted on 6/13/21 and returned on 6/13/21. 4th Plan Check submitted on 7/29/21 and returned on 7/30/21. Permit issued on 9/1/21. Precon meeting held on 9/9/21. Meter installed and locked off on 9/16/21.
C0191-21-01	1939 Continental Place	Single Family Home	Application for New Service submitted and Plan Check Fee received on 4/8/21. 1st Plan check submitted on 4/8/21 and returned on 4/9/21. 2nd Plan check submitted on 4/16/21 and returned on 4/17/21. Issued permit on 6/11/21. Waiting for Contractor to call for inspection. (9/17/21)
C0192-21-01	1750 Santa Ana Avenue	Single Family Home	Application for New Service submitted on 4/16/21 and Plan Check Fee received on 4/17/21. 1st Plan check submitted on 5/3/21 and returned on 5/3/21. 2nd Plan check submitted on 6/2/21 and returned on 6/4/21. (9/17/21)
C0193-21-01	908 Magellan Street	Single Family Home	Application for New Service submitted on 4/19/21 and Plan Check Fee received on 4/19/21. 1st Plan check submitted on 4/19/21 and returned on 5/3/21. (9/17/21)
C0194-21-01	981 Presidio Drive	Single Family Home	Application for New Service submitted on 4/20/21 and Plan Check Fee received on 4/20/21. 1st Plan check submitted on 9/7/21 and returned on 9/8/21.
C0195-21-01	2247 Donnie Road	Single Family Home	Application for New Service submitted on 4/22/21 and Plan Check Fee received on 6/27/21. 1st Plan check submitted on 6/24/21 and returned on 6/25/21. 2nd Plan check submitted on 6/24/21 and returned on 6/25/21. Permit issued 7/9/21. Precon held on 7/14/21. (9/17/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0196-21-01	1588 South Coast Drive (Vans HQ2)	Commercial Property	Application for New Service submitted on 4/27/21 and Plan Check Fee received on 4/28/21. 1st Plan check submitted on 5/12/21 and returned on 5/16/21. 2nd Plan check submitted on 06/08/21 and returned on 6/12/21. Permit issued 7/9/21. Precon held on 8/3/21, and re-held for extra utility coordination on 9/1/21. Shutdowns completed on 9/13/21, 9/14/21.
C0198-21-01	257 Knox Place	Single Family Home	Application for New Service submitted on 5/7/21 and Plan Check Fee received on 5/7/21. 1st Plan check submitted on 5/8/21 and returned on 5/9/21. 2nd Plan check submitted on 5/16/21 and returned on 5/17/21. Issued Permit on 6/4/21. Waiting for Contractor to call for inspection. (9/17/21)
C0200-21-01	289 E. 17th Street (Target)	Commercial Property	Application for New Service submitted on 5/12/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/12/21. 2nd Plan check submitted on 5/28/21 and returned on 6/3/21. Issued permit on 6/14/21. Waiting for Contractor to call for inspection. (9/17/21)
C0201-21-01	3370 Harbor Blvd. (The Press)	Commercial Property	Application for New Service submitted on 5/12/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/12/21 and returned on 6/6/21. 2nd Plan check submitted on 6/22/21 and returned on 6/25/21. 3rd Plan Check submitted on 8/10/21 and returned on 8/13/21. (9/17/21)
C0202-21-01	1910 Federal Ave	Single Family Home	Application for New Service submitted on 5/18/21 and Plan Check Fee submitted on 5/18/21. 1st Plan check submitted on 5/25/21 and returned on 6/3/21. 2nd Plan check submitted on 8/30/21 and returned on 8/30/21. 3rd Plan check submitted on 8/31/21 and returned on 9/1/21.
C0203-21-01	762 Center Street	Single Family Home	Application for New Service submitted on 4/14/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/26/21 and returned on 6/4/21. (9/17/21)
C0204-21-01	3106 Fernheath Lane	Single Family Home	Application for New Service submitted on 6/2/21 and Plan Check Fee submitted on 6/2/21. 1st Plan check submitted on 6/2/21 and returned on 6/4/21. 2nd Plan check submitted on 6/22/21 and returned on 6/25/21. 3rd Plan check submitted on 6/30/21 and returned on 7/1/21. Permit issued on 9/1/21.
C0205-21-01	200 E. 20th Street	Single Family Home	Application for New Service submitted on 5/26/21 and Plan Check Fee submitted on 6/2/21. 1st Plan check submitted on 5/26/21 and returned on 6/4/21. 2nd Plan check submitted on 7/12/21 and returned on 7/12/21. (9/17/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0206-21-01	2168 Placentia Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 6/11/21. 1st Plan check submitted on 6/11/21 and returned on 6/13/21. 2nd Plan check submitted on 6/23/21 and returned on 6/25/21. 3rd Plan Check submitted on 6/28/21 and returned on 6/28/21. Permit issued on 8/13/21. Precon held on 8/16/21.
C0207-22-01	3078 Roanoke Lane	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/6/21. 1st Plan check submitted on 7/6/21 and returned on 7/9/21. (9/17/21)
C0208-22-01	1951 Rosemary Place	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/7/21. 1st Plan check submitted on 7/7/21 and returned on 7/9/21. 2nd Plan check submitted on 7/15/21 and returned on 7/15/21. Permit issued on 8/13/21.
C0209-22-01	379 E. 19th Street	Single Family Home	Application for New Service submitted on 7/13/21. 1st Plan check submitted on 7/13/21 and returned on 7/16/21. 2nd Plan check submitted 7/21/21 and returned on 7/21/21. Permit issued on 8/13/21.
C0210-22-01	1730 Bonaire Way	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/21/21. 1st Plan check submitted on 8/3/21 and returned on 8/13/21. 2nd Plan Check submitted on 8/27/21 and returned on 8/27/21.
C0211-22-01	274 Cecil Pl.	Single Family Home	Waiting for Application for New Service. Plan Check Fee submitted on 7/21/21. 1st Plan check submitted on 7/22/21 and returned on 7/30/21.
C0212-22-01	900 W. 20th Street	Mainline Valve Replacement	Plan Check Fee submitted on 7/25/21. Mesa Water District crews installing new valve week of 8/16/21.
C0213-22-01	366 Esther Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/6/21. 1st Plan check submitted on 7/6/21 and returned on 7/9/21. 2nd Plan check submitted on 8/19/21 and returned on 8/20/21.
C0214-22-01	366 Ralcam Place	Single Family Home	Application for New Service submitted on 7/22/21 and Plan Check Fee submitted on 7/29/21. 1st Plan check submitted on 8/2/21 and returned on 8/2/21. 2nd Plan check submitted on 9/7/21 and returned on 9/8/21.
C0215-22-01	320 Colleen Place	Single Family Home	Application for New Service submitted on 8/2/21 and Plan Check Fee submitted on 8/20/21. 1st Plan check submitted on 8/2/21 and returned on 8/20/21. 2nd Plan check submitted 9/3/21 and returned on 9/5/21.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0216-22-01	2750 Harbor Blvd	Commercial Property	Application for New Service submitted on 8/17/21 and waiting for Plan Check Fee. 1st Plan check submitted on 8/17/21 and returned on 8/20/21. 2nd Plan check submitted on 8/20/21 and returned on 9/7/21.
C0217-22-01	1921 & 1923 Church Street	Two (2) Single Families Homes	Application for New Service submitted on 8/22/21 and waiting for Plan Check Fee. 1st Plan check submitted on 8/21/21.
C0218-22-01	402 E. 19th Street	Single Family Home	Application for New Service and Plan Check Fee submitted on 8/25/21. Waiting for 1st Plan check submittal.
C0220-22-01	3109 Lincoln Way	Single Family Home	Application for New Service and Plan Check Fee submitted on 9/8/21. 1st Plan check submitted on 9/8/21 and returned on 9/8/21. 2nd Plan check submitted on 9/8/21 and returned on 9/14/21.
C0221-22-01	1370 Adams Avenue	Coast Community College District	Application for New Service submitted on 9/9/21. No Plan Check Fee will be submitted. 1st Plan check submitted on 9/9/21 and returned on 9/10/21.
C0222-22-01	257 Flower Street	Single Family Home	Application for New Service submitted on 9/9/21. and Plan Check Fee submitted on 9/14/21. Waiting for 1st Plan check submittal.
C0223-22-01	2425 Windward Lane	Single Family Home	Application for New Service submitted on 9/9/21. and Plan Check Fee submitted on 9/14/21. Waiting for 1st Plan check submittal.

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
September 2021

Project Title: OC-44 Replacement and Rehabilitation Evaluation and Cathodic Protection Study

File No.: M 2034

Description: Evaluate potential repair and replacement options.

Status: Request for Bids sent out to contractors on February 6, 2019. Six bids received on 3/6/19. E&O Committee recommended award of the contract to lowest bidder (E.J. Meyer Company) on 3/19/19. Kick-off meeting held on 4/25/2019. Reviewed submittals. Met with SARWQB on 5/24/19 and discussed permit requirements w/ Susan Beeson. On 5/30/19 met with OCSD and went over requirements for the Special Purpose Discharge Permit (SPDP). Project Progress meeting on 6/6/19 and coordination meeting with MWD on 6/20/19. Held Permit Status Meeting on 7/11/2019, Traffic Coordination Meeting with Fletcher Jones on 7/23/2019 and Project Progress Meeting on 7/23/2019. Submitted Application Package to OCSD for SPDP on 7/31/2019. Received Special Purpose Discharge Permit from OCSD on 9/1/2019. Coordination meeting with Fletcher Jones and Project Progress Meeting held on 9/11/19. Contractor mobilized on 9/15/19 and started dewatering efforts. Project is substantially complete and line is ready for use. Native planting is complete and the contractor is providing maintenance of planted vegetation. The post-construction walk-through meeting held on 4/30/20. Planting Establishment and 120-day Maintenance Period completed on 7/2/20. The final inspection and walk-through meeting held on 7/23/20. Planting Establishment and Maintenance Report submitted to the regulatory agencies on September 29, 2020. Non-native plant herbiciding performed on 11/14/20, 5/4/21, and 9/11/21. (9/16/21)

Project Title: Pipeline Testing Program

File No.: MC 2141

Description: Implement Resolution No. 1442 Replacement of Assets to annually perform non-destructive testing of 1% of the distribution system, and destructive testing of segments that are shown to have less than 70% of original wall thickness by non-destructive testing.

Status: Three miles of AC pipe constructed in 1956 were selected for non-destructive wall thickness measurement, which occurred during the week of January 14, 2019. The report was received on February 8, 2019. Five AC pipe samples were sent to the testing lab in May 2019, and the wall thickness measurement report was received on June 24, 2019. With more data collected from AC pipe samples, a proposed update of the Res. 1442 Replacement of Assets was approved by the E&O Committee in September 2019. Staff developed a process for classifying pipeline breaks, and provided a class to the Distribution crews on November 21, 2019. Four AC pipe samples collected during valve replacements were sent for EDS testing on January 28, 2020. Lab reports were received on March 19, 2020 and evaluation of the lab results was received on June 12, 2020. MWD/OC performed approximately 40 miles of leak detection and found one suspected pipeline leak. Staff performed a follow up leak

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

September 2021

detection and could not replicate the suspected leak. Thirteen (13) AC pipe samples collected by staff during valve replacements and break responses we sent for wall thickness measurement, EDS testing, and remaining useful life estimates. Wall thickness lab reports were received and useful life estimate report is expected on February 24, 2021. MWDOC staff performed 30 miles of leak detection for main lines and service laterals in January 2021. A report of their findings found no mainline leaks. 30 additional miles of leak detection was received on March 22, 2021. No mainline leaks were reported. A status report of the Pipeline Integrity Program is on the agenda for the September 28th, 2021 Committee meeting. (9/16/21)

Project Title: Chandler & Croddy Wells and Pipeline Project

File No.: M18-113

Description: Design, documentation, permitting, and construction of two new wells located on Chandler Avenue and Croddy Way in the City of Santa Ana and the distribution pipeline connecting the wells to Mesa Water's supply system.

Status: The Chandler Well 12 and Croddy Well 14 and Pipeline Project Team includes Design Engineer TetraTech, Construction Manager Butier Engineering, and Community Outreach Consultant Murakawa & Associates. The project has four phases, with a construction bid package for each phase. The status of each phase is below.

Phase 1: Demolition. Demolition of the existing office buildings at the well site properties was awarded to Standard Demolition on July 9, 2020 and was completed on October 14, 2020.

Phase 2: Well Drilling. Well Drilling was awarded to Zim Industries dba Bakersfield Well & Pump on August 13, 2020. Permits for well drilling were received from Orange County Health Care Agency (OCHCA) on October 7, 2020. Mobilization for drilling at the Croddy Well 14 site started on October 12, 2020. Sound walls were constructed at both sites. Croddy Well 14 drilling is complete. Test pumping produced 4,000 gallons per minute. Water quality depth and well blend sample results indicate good water quality. Chandler Well 12 pilot hole was drilled and samples for the aquifer and the groundwater indicate good water quality to 970 feet. The pilot hole reaming and casing installing was completed during the week of May 3, 2021. Test pumping of Chandler Well 12 produced 4,320 gallons per minute. Water quality depth samples and well blend samples indicate good water quality.

Phase 3: Well Equipping. A contract award to Gateway Pacific was approved at the February 11, 2021 Board of Directors meeting. A project team kickoff meeting was held on March 10, 2021. The team has identified the long lead time items, and is in the submittal process for these items. Mobilization occurred on May 28, 2021. Underground work and concrete forming is in progress at both sites.

Phase 4: Pipeline. The Board authorized execution of a construction contract with Ferreira Construction at the April 27, 2021 Board Committee meeting. Notice to Proceed with the potable water transmission pipeline construction was issued on June 1, 2021. A preconstruction meeting was held on June 15, 2021. The team identified the long lead time items and is in the submittal process. Encroachment permits were obtained by the contractor from the City of Santa Ana on August 12, 2021. The

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

September 2021

contractor is potholing the pipeline alignment to confirm the location and depths to buried utilities in the area. (9/16/2021)

Project Title: Meter Technology Evaluation

File No.: MC 2248

Description: The lifespan of a water meter is approximately 15 years. As a meter ages, the accuracy drops off due to wear. In preparation for its annual water meter replacement, staff has been reviewing water meter technology determining what water meter and reading solutions would be the best fit for Mesa Water's aging register technology. With today's technology, there are several types of meters and meter reading solutions available. The most common are as follows: Fixed Network, Automatic Meter Reading (AMR) System, Handheld or Touch Technology, and Advanced Metering Analytics - Cellular Endpoint.

Status: A request for bids was sent out to the on-call contractors for the installation of the Route 600 Meter Technology Pilot Project Meters. Bids from the on-call contractors were received on October 15, 2020 and reviewed by staff. W.A. Rasic was selected from the bids received. The preconstruction meeting was held on 11/12/2020. Kickoff meeting with Contractor was held on November 12, 2020. The official notice to proceed was issued on 11/30/20. The contractor began their field investigation of the Route 600 meters the week of 11/30/20. The contractor has substantially completed replacing meters and installing the cellular endpoints. To date, approximately 230 endpoints have been installed and 100 meters replaced. In July 2021, the contractor received materials to replace nine vault lids. The nine vault lids were replaced in August 2021. The contractor substantially completed the project in August 2021. Minor punchlist items are being completed in September 2021. (9/17/21)

Project Title: District Wide Security System

File No.: M20-600

Description: Planning and Design Services for a District-Wide Security System

Status: The District-Wide security system is among the first new projects to be awarded as part of the Capital Improvement Program Renewal (CIPR). The draft scope of work was developed and sent for consultant review on June 16, 2020. Consultant comments were received on June 23, 2020. The final Request for Task Order proposal was issued on July 21, 2020. Three proposals were received on August 3, 2020 and evaluated. A Task Order authorization was issued to HDR. Kickoff and site visits were conducted on August 25-27, 2020. The consultant is conducting the evaluation. The draft white paper was received on October 12, 2020, and was reviewed by staff. The revised white paper was received on November 9, 2020, and was being reviewed by staff. A meeting was held on November 18, 2020, to discuss the options. A revised white paper was received on December 4, 2020, and was reviewed by staff. The decision for cellular communications was made on July 7, 2021. Staff will reconsider the implementation using cellular communications. (9/16/2021)

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Project Title: SCADA Control Room and Wet Labs Upgrade Project

File No: M20-105

Description: Relocation of the SCADA Control Room and laboratory, including the addition of an education center.

Status: In November 2019, the Board directed staff to proceed with Design Concept 2 of the Mesa Water Reliability Facility Outreach Center. Mesa Water obtained a cost proposal from IBI Group. The scope of work also incorporates the design of a MWRf spare parts storage building (located at the MWRf) and wells spare parts storage building (located at Well 9 or other well site) as part of the design services. Board approved this item at its 4/9/2020 Board Meeting. The pre-design kick-off meeting was held on 4/27/20. Conceptual design reviewed on 6/10/20 and preliminary cost estimate discussed on 7/9/2020. At the August 25, 2020 Committee Meeting the Mesa Water® Education Center building concept was approved by the Board. Additionally, a contract was awarded to Mad Systems for the exhibit design. On September 17, 2020 a final design kick-off meeting was held with the architect and exhibit design teams. On October 6, 2020, the Mesa Water team toured the Albert Robles Center for Water Recycling and Environmental Learning with Mad Systems. On October 15, 2020 the design team held a site visit at the MWRf to discuss landscaping and courtyard concepts. The design team held progress meetings on 10/29/20, 11/12/20, and 11/25/20 to discuss project alternatives and progress. A preliminary landscaping concept was received on 11/25/20. The 50% design submittal was received on 12/15/2020. The comments to the submittal were discussed during progress meetings on 1/21/21 and 2/4/21. 50% Construction Documents were submitted 3/12/21. The architectural team developed finish alternatives which were reviewed and selected by the Mesa Water team. The consultant is working toward 100% Construction Documents. The project team has held detailed design meetings regarding storage buildings, IT Server Room, and transitional plans to keep the MWRf in service during construction. 6/2/21 the Mesa Water team reviewed and selected finishes for the Education Center and Administration Building. Transitional plans to keep the MWRf in service are being finalized. The delivery and setup of the temporary facilities are anticipated to begin in July 2021. Mesa Water received proposals for construction management services for the project in early June 2021. A construction manager was selected in June 2021 and they have begun reviewing construction documents. The Draft 100% Construction Documents were submitted on July 29, 2021. Staff reviewed the submittal and provided comments. The revised Construction Documents were submitted on Sep 10, 2021. The Request for Proposals for construction was sent out on Sep 13, 2021. The bid opening date is on October 15, 2021. Construction is expected to start in December 2021. (9/16/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

September 2021

Project Title: Wilson Street Pipeline Replacement Project

File No.: M21-220A

Description: Design, documentation, and permitting for replacement of pipeline in Wilson Avenue between Newport Blvd and Harbor Blvd.

Status: Scope of Work and Request for Quotes for the design, documentation, and permitting for the Wilson Avenue Pipeline Replacement Project was prepared and sent to the design consultants on 7/13/2020. Received five proposals on 8/27/20. Water Systems Consultants, Inc (WSC) selected to prepare the design. Kick-off meeting held on 8/13/2020. Technical Memorandum No. 1 providing alternative pipeline layout submitted for review on 10/12/20. 50% Design package submitted for review on 12/23/20. The comments to the submittal were analyzed and discussed on 2/8/21. The consultant completed the 90% Design Submittal on 3/9/21. Request for Bids sent out to contractors on 3/30/21. Eight bids received on 4/28/21. JA Salazar submitted the lowest bid. The Board authorized execution of a construction contract with JA Salazar at the May 13, 2021 Board meeting. The Contract with JA Salazar was executed on 6/10/21. The pre-construction meeting for the project was held on 6/24/21. The contractor has begun the submittal and procurement process and construction is scheduled to begin in early August 2021 with potholing and field investigation. The pre-construction meeting with City of Costa Mesa held on 8/12/21. The contractor started potholing on 8/16/21. The contractor submitted the results of the potholing to the engineering team. The potholing data is currently under review and minor adjustments to the pipeline alignment are being design and coordinated with the construction team. The installation of the mainline is scheduled to start early October 2021. (9/16/21)

Project Title: 1951 Cohort Pipeline Replacement Project

File No.: M21-220A

Description: Design, documentation, and permitting for replacement of 3.5 miles of pipeline in Hamilton St., Pomona Ave., Wallace Ave., Anaheim Ave., and Maple Ave.

Status: Scope of Work and Request for Proposals for providing CM services for the Wilson Avenue and 1951 Cohort Pipeline Replacement Projects sent out to As-Needed Consultants on 11/30/20. Five proposals received on 12/14/20. CDM Smith was selected to provide the CM Services. (2/12/21).

Scope of Work and Request for Proposals for providing design services for the 1951 Cohort Pipeline Replacement sent out to As-Needed Consultants on 12/1/20. Two proposals received on 12/15/20. Tetra Tech was selected to prepare the design. The project kick-off meeting was held on 2/2/21. The Consultant delivered Technical Memorandum No. 1 – Alignment Options and Recommendations on 7/9/21 and the Preliminary Design Report 7/21/21. Mesa Water Staff has reviewed Technical Memorandum No. 1 and the Preliminary Design Report. The project's 50% Design Submittal is currently in progress. (9/16/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
September 2021

Project Title: Mainline Valve Replacement Project Phases I through IV

File No.: M21-220C

Description: Design, documentation, and permitting for replacement of mainline valves within the distribution system per the Mainline Valve Spacing Policy.

Status: At the October 8, 2020 Board Meeting the Mainline Valve Spacing Policy was approved by the Board. A Scope of Work and Request for Quote for the design, documentation, and permitting for the Mainline Valve Replacement Project was prepared and was sent to on-call design consultants the week of October 19, 2020. Received four proposals on 11/3/20. Tetra Tech was selected to prepare the final design. The project Kick-off meeting was held on 1/12/21. The Consultant developed the project's permit plan. The 50% Design Submittal was delivered for review on 5/10/21. Mesa Water Staff has completed testing shutdowns required for the Phase 1 valve replacement and is currently testing Phase 2 shutdowns. The Consultant is working towards the 90% Design Submittal for Phase 1 and Phase 2. (9/16/21)

Project Title: Reservoirs 1 and 2 Pump Station Upgrades Project

File No.: M21-210B2

Description: The Reservoir Upgrades Project has several components to increase the efficiency and reliability of Reservoirs 1 and 2: Chemical storage and feed systems (sodium hypochlorite and aqueous ammonia) to help reduce nitrification issues in the distribution system; Pump replacement and conversion of drivers from gas engines to electrical motors; Upgrades to reservoir electrical service through SCE; Installation of diesel generator systems to power the reservoirs in the event of an emergency; Miscellaneous system rehabilitation and upgrades including electrical gear replacement, pipeline rehabilitation, pipeline modifications, and instrument replacement based on the results of site visits and related analyses; and Slurry Dewatering Pit upgrades located at the Reservoir 1 site.

Status: Following the approval of the recommendations of the Water, Power, and Supply Chain Reliability Assessment, Mesa Water developed a design scope of work for the Reservoirs 1 and 2 Upgrades Project. A proposal was solicited from a CIPR on-call design consultant and the project's Preliminary and Final Design kicked off in May 2021. A site visit for the project was held with the consultant on 5/17/21. The project team performed a 3-D scan of Reservoir 1 the week of June 7th and Reservoir 2 the week of June 14th. The consultant delivered a draft version of Technical Memorandum No.1 – Reservoir 1 Site Master Plan and the draft Permit Plan on 7/16/21. Following Mesa Water's review of TM1 and the Permit Plan, the consultant began work on the Preliminary Design Report. The Preliminary Design Report was delivered on 9/7/21 and the Preliminary Design Report Workshop was held on 9/15/21. (9/15/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
September 2021

Project Title: Excavation Slurry Dewatering Pit Project

File No.: M21-250D

Description: Design, documentation, and permitting for a dewatering process that will be constructed in Mesa Water's Operations Yard to provide dewatering for the hydrovac excavation slurry.

Status: A Scope of Work and Request for Quote for the design, documentation, and permitting for the Excavation Slurry Dewatering Pit Project was prepared and sent to on-call design consultants the week of October 19, 2020. The task order and notice to proceed are being developed by the Mesa Water team for the selected consultant. The kick-off meeting and site visit were held on 11/30/20. The project team held a progress meeting on 12/23/2020 and the draft report is currently in progress. The Draft memo was submitted for review on 2/3/21 and is currently being reviewed by Mesa Water Staff. Mesa Water Staff has provided direction and the design of the Dewatering Pit is included in the scope of work for the Reservoirs 1 and 2 Pump Station Upgrades Project. The Final Technical Memorandum was submitted for review on 6/10/2021. The Dewatering Pit will be designed and constructed as part of the Reservoirs 1 and 2 Pump Station Upgrades Project. (9/16/21)

Project Title: Vault Rehabilitation and Abandonment

File No.: M21-220B

Description: Design and construction of abandonment of obsolete facilities and rehabilitation of one arterial valve on OC-44.

Status: NV-5 was selected as the design consultant. Project kickoff was held on September 30, 2020. Site visits for all of the vaults were conducted in October 2020. A preliminary design report was received in November 2020 and review by staff. The current project includes abandoning three vaults on OC-44 and three unused pressure relief stations, and replacing the Bonita Creek Park Arterial Valve on OC-44. Rehabilitation of the interties is on hold pending decisions on the need for the three interties, and will be completed in a future capital program. A CEQA evaluation of the project recommended filing a Categorical Exemption from CEQA. The Categorical Exemption was received on July 2, 2021, and filed with the County of Orange on September 3, 2021. 90% Plans and Specifications were received on July 7, 2021, and were reviewed by staff. The City of Huntington Beach asked that all work requiring an OC-44 shutdown be complete prior to December 2021 due to a planned outage of another import source. The project was put out to bid on August 27, 2021. Four bids were received on September 15, 2021. The construction contract award is on the agenda for the September 28, 2021 Committee meeting. (9/16/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
September 2021

Project Title: Operational IT Infrastructure Security Project

File No.: M21-250F

Description: The Project will align the Operational IT infrastructure and management model with Mesa Water enterprise IT system standards and CISA recommendations.

Status: The project kick-off meeting was held on 5/17/2021. The project is currently procuring equipment. The new servers have been received and are currently being programmed. Equipment lead times are between 60 and 130 days. (9/17/2021)

Water Quality Call Report August 2021

Date: 8/3/2021

Source: Visit

Address: 1948 Sundance Lane

Description: Customer inquired about water softener system.

Outcome: Explained to customer that Mesa Water does not provide recommendations on water softeners as the water meets all state and federal drinking water standards. Provided customer with the link to the State's Residential Treatment Devices website.

Date: 8/13/2021

Source: Visit

Address: 2500 Merrimac

Description: The Facility Maintenance Personnel from the apartment complex called to report a tenant concern with odor coming from water in the laundry room.

Outcome: During the site visit, there was another tenant who also reported odor in the water. The water from the outside spigot at both locations were checked and no odor was detected. Discussed possibility of drains off gassing and how to disinfect with household bleach.

Date: 8/16/2021

Source: Phone Visit

Address: 316 Broadway

Description: Customer moved into the home three months ago and reported water having putrid odor.

Outcome: Discussed possible causes of odor and how to check if the odor is coming from the water. Customer requested a site visit to check the outside hose bib even though he would not be home. Staff took a sample from the outside hose bib and the water was clear with no odor and had a residual within normal range. Called customer and let him know the water outside had no odor and it's likely an internal issue. Advised him to potentially disinfect the drains.

Date: 8/18/2021

Source: Phone

Address: 459 E. 18th Street

Description: Customer reported having discolored water and sediment at the bottom of her new Brita Filter. Water was clear coming out of the tap.

Outcome: Explained to customer that she should follow the manufacturer's instructions for the Brita Filter. Usually new Brita filters require running some water through it to rinse off the new charcoal. The customer was advised to flush the filter until there is no more discolored water and sediment and follow the filter manufacturer recommendations.

Date: 8/19/2021

Source: Visit

Address: 2519 Kincaid Drive

Description: The Assistant Property Manager reported that a resident is concerned about cloudy and rusty water.

Outcome: 2519 Kincaid is a complex with multiple units and four outside hose bibs. The concern came from two customers regarding rust and cloudy water. Met up with the Facilities Person and checked all four outside hose bibs. The water was clear at all four spigots and chlorine residuals were within normal range. One customer was not home and the second customer said he did not have any issues with the water. A third customer expressed concerns for odor in the water but none was observed. Explained to her about the possibility of the drains off gassing and how to disinfect it. Customer was pleased and grateful for the service provided.

Water Operations Status Report
July 1, 2021 - August 31, 2021

Operations Department Status Report	Wk Unit	Plan Days	Act Days	Plan Qty	Act Qty	Plan Cost	Actual Cost
01 - HYDRANTS							
WD-0101 - HYDRANT MAINTENANCE	HYDRANTS	32	21	609	419	\$12,893	\$8,959
WD-0102 - HYDRANT PAINTING	HYDRANTS	3	11	76	128	\$1,070	\$4,404
WD-0103 - HYDRANT REPAIR	HYDRANTS	7	2	10	6	\$2,560	\$1,036
Program 01 TOTAL		42	34			\$16,523	\$14,399
02 - VALVES							
WD-0201 - DISTRIBUTION VALVE MAINTENANCE	VALVES	22	19	433	434	\$9,648	\$8,401
WD-0202 - NIGHT VALVE MAINTENANCE	VALVES	0	0	0	0	\$0	\$0
Program 02 TOTAL		22	19			\$9,648	\$8,401
03 - METERS							
CS-0301 - NEW METER INSTALLATION	METERS	3	1	16	4	\$13,095	\$1,328
CS-0302 - RAISE REPLACE METER BOX	BOXES	1	0	13	1	\$560	\$21
CS-0303 - METER LEAK INVESTIGATION/REPAIR	INV/REP	2	2	32	23	\$862	\$803
CS-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	6	12	16	41	\$3,927	\$4,769
CS-0306 - LARGE METER TEST/REPAIR - C	TESTS	4	3	19	22	\$1,513	\$985
WD-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	5	0	9	0	\$2,991	\$0
Program 03 TOTAL		21	18			\$22,948	\$7,906
04 - MAIN LINES							
WD-0401 - MAIN LINE REPAIR	REPAIRS	18	12	4	1	\$10,981	\$6,582
WD-0402 - AIR VAC MAINTENANCE/REPAIR	REPAIRS	5	0	29	1	\$1,889	\$105
Program 04 TOTAL		23	12			\$12,870	\$6,687
05 - SERVICE LINES							
WD-0501 - SERVICE LINE REPAIR	REPAIRS	10	9	4	2	\$5,291	\$4,678
Program 05 TOTAL		10	9			\$5,291	\$4,678
06 - CAPITAL							
CAP FH - CAPITAL HYDRANT UPGRADE	HYDRANTS	30	70	5	9	\$29,302	\$49,563
CAP MV - CAPITAL MAINLINE VALVE REPLACE	VALVES	26	13	5	2	\$20,466	\$9,502
CAP SL - CAPITAL SERVICE LINE REPLACE	SERVICES	7	0	2	0	\$4,396	\$0
CAP SS - CAPITAL SAMPLE STATION REPLACE	STATIONS	0	0	0	0	\$0	\$0
CAP LM - CAPITAL LARGE METERS	METERS	1	0	9	0	\$3,568	\$21
CAP SM - CAPITAL SMALL METERS	METERS	3	3	45	21	\$4,362	\$3,365
CIPR- ENGINEERING WORK	HOURS	95	80	800	718	\$39,330	\$33,517
Program 06 TOTAL		162	166			\$101,424	\$95,968
TOTAL						\$168,704	\$138,039

Payment Listing by Class

8/1/2021 - 8/31/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
CAPITAL					
BUTIER CONSULTING ENGINEERS	000004322	08/12/21	B012MWD	M18-100 CHANDLER & CRODDY	\$34,005.59
	1				\$34,005.59
CAROLLO ENGINEERS	000004269	08/12/21	0197677	E400-0012 GIS HYDRAULIC MODEL	\$50,454.50
		08/12/21	FB10623	E400-0012 GIS HYDRAULIC MODEL	\$10,859.25
		08/12/21	FB12720	E400-0012 GIS HYDRAULIC MODEL	\$9,692.25
	1				\$71,006.00
CDM SMITH, INC	000004371	08/19/21	90131402	M21-270 STAFF AUGMENTATION	\$17,310.00
	000004437	08/26/21	90129298	M21-220A WILSON & 1951 COHORT	\$5,963.80
		08/26/21	90131403	M21-220A WILSON & 1951 COHORT	\$8,881.50
	2				\$32,155.30
DITCH WITCH SOUTHERN CALIFORNIA	000004372	08/19/21	395971	DITCH WITCH PARTS	\$1,125.85
		08/19/21	395967	DITCH WITCH PARTS	\$391.36
	000004387	08/26/21	663365	REPAIRS TO HYD ARM & DOOR	\$4,839.99
	2				\$6,357.20
MICHAEL BAKER INTERNATIONAL	000004418	08/26/21	1124104	M20-100 MWRP STRUCTURAL EVAL	\$3,177.50
	1				\$3,177.50
MURAKAWA COMMUNICATIONS, INC.	000004403	08/26/21	MESA WATER-14	M20-109 PUBLIC OUTREACH	\$7,950.00
	1				\$7,950.00
NV5, INC.	000004328	08/12/21	220631	M21-220B VAULT REHAB ABANDMNT	\$7,783.00
	1				\$7,783.00
TETRA TECH, INC	000004271	08/12/21	51727631	M21-220A COHORT PIPELINE	\$33,816.15
		08/12/21	51727276	M21-220C MAINLINE VALVE REPLC	\$34,972.50
		08/12/21	51739392	M18-100 CHANDLER & CRODDY	\$5,850.00
		08/12/21	51739419	M21-220A COHORT PIPELINE	\$52,892.29

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
TETRA TECH, INC	000004271	08/12/21	51749545	M18-100 CHANDLER & CRODDY	\$118,712.52
		08/12/21	51762546	M18-100 CHANDLER & CRODDY	\$62,121.69
		08/12/21	51762559	M21-220A COHORT PIPELINE	\$27,357.50
	000004440	08/26/21	51752847	M21-220A COHORT PIPELINE	\$26,199.70
	2				\$361,922.35
ZIM INDUSTRIES, INC. DBA BAKERSFIELD WELL & PUMP CO.	000004272	08/12/21	08	M18-100 CHANDLER&CRODDY WELLS	\$107,350.00
					\$107,350.00
Total CAPITAL	12				\$631,706.94
DEPARTMENT EXPENSE					
ACWA JOINT POWERS INSURANCE AUTHORITY	000004436	08/26/21	0-0000007590	FY22 EXCESS CRIME INS RENEWAL	\$2,095.00
					\$2,095.00
CALPERS BENEFIT PAYMENTS	0167842	08/06/21	16508546	FEES GOV CODE 21220	\$1,200.00
	0167843	08/06/21	202108	AUGUST PA HEALTH PREMIUM	\$6,947.83
	0167844	08/06/21	0080521	PPE 7/15	\$39,591.84
	0167845	08/06/21	2021	AUGUST HEALTH PREMIUM	\$56,555.89
	0167848	08/18/21	16511850	GASB FEE	\$700.00
	0167849	08/18/21	08012021	PPE 7/29	\$39,753.02
		6			
COLONIAL LIFE & ACCIDENT INS	000004284	08/12/21	8892333-0810243	INSURANCE - PPE 07/31/21	\$201.68
	000004337	08/19/21	8892333-0824675	INSURANCE - PPE 08/15/21	\$201.68
					\$403.36
COSTA MESA CHAMBER OF COMMERCE	000004285	08/12/21	14775	SPONSORSHIP	\$200.00
					\$200.00
DATCO	000004286	08/12/21	162853	DOT PROGRAM - CLASS A DRIVERS	\$357.00
					\$357.00
EMPLOYMENT DEVELOPMENT DEPT	000004388	08/26/21	L1783741456	EMPLOYMENT TAX - JUNE 2021	\$205.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$205.00
GUARDIAN	000004218	08/05/21	00430941AUG21	AUG 21 DENTAL INSURANCE	\$5,643.11
	1				\$5,643.11
HOOVER PRINTING	000004220	08/05/21	96598	PRINTING - POSTCARDS	\$332.38
	1				\$332.38
RED WING BUSINESS ADVANTAGE ACCT	000004404	08/26/21	20210812009986	SAFETY SHOES	\$195.74
	1				\$195.74
SHARON D BRIMER	000004352	08/19/21	JUN/JUL2021	BOARD MINUTES - JUN/JUL 2021	\$933.00
	1				\$933.00
SOUTH COAST METRO ALLIANCE	000004441	08/26/21	8162177	FY22 MEMBERSHIP	\$395.00
	1				\$395.00
TASC	000004235	08/05/21	IN2061641	FSA ADMIN FEES - JUNE 2021	\$143.28
	000004354	08/19/21	IN2086182	FSA ADMIN FEES - JULY 2021	\$143.28
	2				\$286.56
TRACKER, A DIVISION OF C2, LLC	000004305	08/12/21	21-0000-186-Q2	PORTFOLIO ACCTING & REPORTING	\$1,200.00
	1				\$1,200.00
URBAN WATER INSTITUTE	000004237	08/05/21	072221	SPONSORSHIP	\$500.00
	1				\$500.00
VISTA DEL VERDE LANDSCAPE	000004240	08/05/21	35493	EXTRA LANDSCAPE MAINTENANCE	\$135.00
		08/05/21	35433	LANDSCAPE MAINTENANCE - AUGUST	\$2,608.79
	000004380	08/19/21	35511	LANDSCAPE REPAIRS	\$950.00
		08/19/21	35518	EXTRA LANDSCAPE MAINTENANCE	\$135.00
	000004427	08/26/21	35488	OC FAIR GARDEN	\$172.76
		08/26/21	35487	OC FAIR GARDEN	\$890.00
	3				\$4,891.55
Total DEPARTMENT EXPENSE	24				\$162,386.28
GENERAL AND ADMINISTRATIVE					
391 & 393 LA PERLE PL	000004281	08/12/21	C0100-19-01	P BOND C0100-19-01	\$1,900.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$1,900.00
ACCO ENGINEERED SYSTEMS, INC.	000004313	08/12/21	20139978	BOARDROOM AC REPAIRS	\$7,894.00
	1				\$7,894.00
AT&T MOBILITY	000004383	08/26/21	87306005081X0 8152021	WIRELESS COMM 08/08-09/07	\$338.88
	1				\$338.88
AUTOMOBILE CLUB OF SOUTHERN CA	000004382	08/26/21	CLAIM OF 06/2021	CLAIM OF 06/2021	\$887.75
	1				\$887.75
BAKER EQUIPMENT RENTAL	000004211	08/05/21	75930	EQUIPMENT RENTAL	\$30.55
	1				\$30.55
BEACH DIAMOND BLADES	000004321	08/12/21	55533	WATER OPS SUPPLIES	\$2,047.25
	1				\$2,047.25
BIZHAUS COSTA MESA LP	000004276	08/12/21	C0075-19-01	P BOND C0075-19-01	\$4,231.00
	1				\$4,231.00
BOLLAND AND ASSOCIATES	000004212	08/05/21	210305	REGULATORY CONSULTING FEE	\$300.00
	1				\$300.00
BRENDA DEELEY PR LLC	000004274	08/12/21	1256	CONSULTING FEE JULY 2021	\$9,200.00
	1				\$9,200.00
BUFALLO WILD WINGS	000004335	08/19/21	C0107-20-01	P BOND C0107-20-01	\$6,000.00
	1				\$6,000.00
CALDESAL	000004385	08/26/21	8/3/21 Annual Dues	FY22 MEMBERSHIP	\$5,000.00
	1				\$5,000.00
CALIFORNIA ADVOCATES INC.	000004283	08/12/21	082186	PROFESSIONAL SERVICES	\$7,700.00
	1				\$7,700.00
CANON FINANCIAL SERVICES, INC.	000004386	08/26/21	27215881	PRINTER EQUIPMENT LEASE	\$2,000.93
	1				\$2,000.93
CCS ORANGE COUNTY JANITORIAL INC.	000004214	08/05/21	520391	JANITORIAL SERVICES	\$3,933.67
	1				\$3,933.67
CDB DEVELOPMENT INC	000004367	08/19/21	C0041-18-01	P BOND C0041-18-01	\$1,100.00
	1				\$1,100.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
CHELSEA KITAHARA	000004369	08/19/21	C0054-18-01	P BONDC0054-18-01	\$2,060.00
	1				\$2,060.00
CITY OF COSTA MESA	000004254	08/05/21	CITY83871	SPONSORSHIP	\$2,500.00
	000004366	08/19/21	C0013-19-01	P BOND C0013-19-01	\$1,828.00
	000004431	08/26/21	CHEQ00099007 848	12065100 Overpayment	\$1,303.05
	3				\$5,631.05
CLIFTONLARSONALLEN LLP	000004255	08/05/21	2956268	CONSULTING - FY21	\$3,500.00
		08/05/21	2940859	CONSULTING - FY21	\$3,500.00
	1				\$7,000.00
DENNIS D ROCK CONSTRUCTION (1ST ALERT)	000004256	08/05/21	21118	REPAIR GAS PUMP	\$687.50
		08/05/21	21121	REPAIR GAS PUMP	\$1,637.71
	1				\$2,325.21
DON MCNEILL	000004362	08/19/21	CHEQ00099007 841	06003500 Overpayment	\$140.85
	1				\$140.85
DON SWEDLUND, INC.	000004358	08/19/21	CHEQ00099007 837	10106300 Cheque Deposits 10106	\$263.43
	1				\$263.43
EAN SERVICES LLC	000004340	08/19/21	27530566	M20-099 TRUCK RENTAL	\$2,059.92
	1				\$2,059.92
ECAMSECURE	000004257	08/05/21	663454	M20-105 - CHANDLER WELL	\$5,356.80
		08/05/21	689183	M20-105 - CHANDLER MO SERVICE	\$289.52
	1				\$5,646.32
ELAN ONE	0167855	08/02/21	080221	AUG CHARGES	\$6,075.30
	0167856	08/31/21	08312021	AUG CHGS	\$13,245.46
	2				\$19,320.76
EMAD & MARIAN MORCOS	000004245	08/05/21	CHEQ00099007 830	30000310 Overpayment	\$72.30
	1				\$72.30
EMPLOYEE RELATIONS INC	000004413	08/26/21	90856	PRE-EMPLOYMENT VEHICLE REPORT	\$19.19
	1				\$19.19
EMPOWER	0167839	08/05/21	080521	PPE 7/29/21	\$1,028.96
	0167840	08/05/21	0805213	PPE 7/29/21	\$7,230.32

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
EMPOWER	0167841	08/05/21	0805212	PPE 7/29/21	\$17,685.62
	0167850	08/20/21	81221	PPE 8/12/21	\$1,028.96
	0167851	08/20/21	081221	PPE 8/12/21	\$8,467.73
	0167852	08/20/21	0812212	PPE 8/12/21	\$19,018.03
	6				\$54,459.62
ENERGY ENVIRONMENTAL SOLUTIONS, INC.	000004287	08/12/21	EES-2021-MWD05	ICE ENGINE TEST	\$2,400.00
	1				\$2,400.00
ENTERPRISE FM TRUST	000004389	08/26/21	FBN4260927	AUTO LEASES - AUGUST 2021	\$1,030.18
	1				\$1,030.18
EPIC BUSINESS ESSENTIALS, LLC	000004288	08/12/21	SI00432327	OFFICE SUPPLIES	\$135.65
	000004390	08/26/21	SI00433673	OFFICE SUPPLIES	\$133.61
	2				\$269.26
FANE SMITH	000004248	08/05/21	CHEQ00099007833	05125001 Overpayment	\$21.93
	1				\$21.93
FM THOMAS AIR CONDITIONING INC	000004324	08/12/21	42728	WATER HEATER REPAIR	\$585.00
		08/12/21	42697	REPAIRS - WELLS	\$715.01
	1				\$1,300.01
FOLEY & MANSFIELD, P.L.L.P.	000004258	08/05/21	2679910	LEGAL FEES - JUNE 2021	\$750.00
		08/05/21	2679911	LEGAL FEES - JUNE 2021	\$1,050.00
	000004393	08/26/21	2687564	LEGAL FEES - JULY 2021	\$420.00
2				\$2,220.00	
FULL CIRCLE RECYCLING	000004216	08/05/21	26768	RECYCLING SERVICES	\$133.50
	000004394	08/26/21	26667	RECYCLING SERVICES	\$133.50
	2				\$267.00
G HURTADO CONSTRUCTION	000004282	08/12/21	C0109-20-01	P BOND C0109-20-01	\$5,938.00
	1				\$5,938.00
GARY CONWELL	000004433	08/26/21	CHEQ00099007846	00206900 Overpayment	\$229.77
	1				\$229.77
GCI CONSTRUCTION, INC.	000004434	08/26/21	CHEQ00099007844	20069700 Cheque Deposits 20069	\$1,078.12
	1				\$1,078.12

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
GEIGER	000004291	08/12/21	4493606	MWD PROMO ITEMS	\$2,746.55
	1				\$2,746.55
GERARD SIGNS & GRAPHICS INC	000004217	08/05/21	29605	DESIGN SERVICES	\$1,042.26
	1				\$1,042.26
GMC ENGINEERING, INC	000004250	08/05/21	CHEQ00099007 835	20071300 Cheque Deposits 20071	\$667.56
	1				\$667.56
HAMID RADMANESH	000004442	08/30/21	C0086-19-01	B RELEASE C0086-19- 01	\$1,500.00
	1				\$1,500.00
HAZEN AND SAWYER	000004292	08/12/21	20035-003-16	M18-117 DESIGN SERVICES	\$26,282.72
	1				\$26,282.72
HEATHER GUILLEN	000004361	08/19/21	CHEQ00099007 840	09712700 Overpayment	\$35.04
	1				\$35.04
INDUSTRIAL METAL SUPPLY CO	000004344	08/19/21	1249348	PARTS & SUPPLIES	\$32.30
	1				\$32.30
INFOSEND INC	000004259	08/05/21	194931	CUSTOMER BILLING SERVICE	\$1,790.54
		08/05/21	195125	CUSTOMER BILLING SERVICE	\$1,987.06
	000004294	08/12/21	196037	CUSTOMER BILLING SERVICE	\$1,124.78
	000004397	08/26/21	196349	CUSTOMER BILLING SERVICE	\$1,756.39
	3				\$6,658.77
INSIGHT PUBLIC SECTOR	000004398	08/26/21	1100859560	APC SMART-UPS	\$13,070.45
	1				\$13,070.45
JAMES HYSTEN	000004275	08/12/21	C0069-19-01	P BOND C0069-19-01	\$1,000.00
	1				\$1,000.00
JOE MEADER	000004360	08/19/21	CHEQ00099007 839	01512500 Overpayment	\$49.00
	1				\$49.00
JOHN ROBINSON CONSULTING, INC.	000004374	08/19/21	MW201901-28	CONSULTING SERVICES	\$13,350.00
		08/19/21	MW202001-13	M21-100 METER TECH EMPLMENT	\$600.00
		08/19/21	MW201902-06	CONSULTING SERVICES	\$1,800.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
JOHN ROBINSON CONSULTING, INC.	000004374	08/19/21	MW201901-25	CONSULTING SERVICES	\$9,600.00
	1				\$25,350.00
JONATHAN M BROWN	000004249	08/05/21	CHEQ00099007 834	01010600 Overpayment	\$140.01
	1				\$140.01
KENWAYTE	000004399	08/26/21	CLAIM OF 7/2021	CLAIM OF 7/2021	\$610.75
	1				\$610.75
KEVIN WOOD	000004435	08/26/21	CHEQ00099007 847	03313400 Overpayment	\$822.10
	1				\$822.10
KIRTON McCONKIE	000004400	08/26/21	1768376	PROFESSIONAL SERVICES	\$2,378.00
	1				\$2,378.00
KLEEN KRAFT SERVICES	000004223	08/05/21	1077391	UNIFORMS, MATS, TOWELS	\$272.91
	000004417	08/26/21	1078067	UNIFORMS, MATS, TOWELS	\$220.75
		08/26/21	1078740	UNIFORMS, MATS, TOWELS	\$223.16
		08/26/21	1079406	UNIFORMS, MATS, TOWELS	\$528.71
	2				\$1,245.53
KYLE RAMER	000004334	08/19/21	C0080-19-01	P BOND C0080-19-01	\$1,000.00
	1				\$1,000.00
LA CONSULTING INC	000004345	08/19/21	0015206	M21-104 WATER SYS ENCHANCMNTS	\$6,400.00
	1				\$6,400.00
LEAF CONCEPTS	000004280	08/12/21	C0099-19-01	P BOND C0099-19-01	\$4,411.00
	1				\$4,411.00
LIEBERT CASSIDY WHITMORE	000004260	08/05/21	201068	PROFESSIONAL SERVICES - JUNE	\$2,196.50
	1				\$2,196.50
LMC COSTA MESA HOLDING, LP	000004247	08/05/21	CHEQ00099007 832	20077900 Overpayment	\$77.84
	1				\$77.84
MAINTSTAR	000004227	08/05/21	2807	ANNUAL SUPPORT MAINTENANCE	\$36,194.76
	1				\$36,194.76
MELIA HOMES INC.	000004336	08/19/21	C2204	P BOND C2204	\$13,653.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$13,653.00
METRO POINTE RETAIL ASSOCIATES	000004363	08/19/21	CHEQ00099007 842	06050210 Overpayment	\$166.60
	1				\$166.60
MOUSE GRAPHICS	000004296	08/12/21	441805	PRINTING & DESIGN FLYERS	\$2,145.84
	1				\$2,145.84
NATEC INTERNATIONAL INC.	000004297	08/12/21	205280	SAFETY TRAINING	\$400.00
	1				\$400.00
NET DEVELOPMENT CO	000004277	08/12/21	C0078-19-01	P BOND C0078-19-01	\$4,411.00
	1				\$4,411.00
NEW PIG	000004346	08/19/21	23388285-00	DRAIN COVERS	\$3,093.57
	1				\$3,093.57
NEXUS DEVELOPMENT	000004368	08/19/21	C0051-18-01	P BOND C0051-18-01	\$1,830.00
	1				\$1,830.00
NOACK AWARDS & ENGRAVING INC	000004377	08/19/21	26989	NAME BADGE	\$21.55
		08/19/21	26988	LASER GRAVING AWARDS	\$191.80
	1				\$213.35
NORMAN LIEU	000004268	08/05/21	CHEQ00099007 836	05402606 Cheque Deposits 05402	\$46.79
	1				\$46.79
O'NEIL STORAGE #0481	000004299	08/12/21	2107052	FILE STORAGE - JULY 2021	\$141.68
	1				\$141.68
ORANGE COUNTY HEALTH CARE AGENCY	000004420	08/26/21	IN1271673	CALARP ANNUAL FEES	\$1,682.00
		08/26/21	IN1271674	CALARP ANNUAL FEES	\$1,682.00
		08/26/21	IN1271677	CALARP ANNUAL FEES	\$1,748.00
		08/26/21	IN1271676	CALARP ANNUAL FEES	\$1,682.00
		08/26/21	IN1269689	CALARP ANNUAL FEES	\$1,755.00
		08/26/21	IN1271675	CALARP ANNUAL FEES	\$1,682.00
		08/26/21	IN1268597	CUPA HAZ WASTE FEES FA0024284	\$363.00
		08/26/21	IN1269728	CUPA HAZ WASTE FEES FA0039138	\$297.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$10,891.00
ORANGE COUNTY TANK TESTING	000004298	08/12/21	22711	VAPOR TEST TANK REPAIRS	\$1,169.56
	1				\$1,169.56
ORANGE COUNTY TREASURER - TAX COLLECTOR	000004347	08/19/21	SC12972	QUARTERLY 7/1-9/30 OCSD COMM	\$312.00
	1				\$312.00
PETE'S ROAD SERVICE	000004231	08/05/21	516382-00	TIRE REPAIR	\$328.12
	000004348	08/19/21	520272-00	TIRE REPAIR	\$361.18
	2				\$689.30
PRIME ACTUARIAL CONSULTING DBA BICKMORE ACTUARIAL	000004438	08/26/21	28535	CONSULTING	\$10,000.00
	1				\$10,000.00
PROFESSIONAL ART SERVICES, INC.	000004300	08/12/21	274	WALL ART	\$600.00
	1				\$600.00
QUADIENT FINANCE USA, INC	000004355	08/19/21	3751JUL21	POSTAGE - JULY 2021	\$500.00
	1				\$500.00
RAFTELIS FINANCIAL CONSULTANTS	000004350	08/19/21	20272	POTABLE&RECYCLED WATER COS	\$13,352.50
	1				\$13,352.50
RAYNE WATER SYSTEMS	000004233	08/05/21	30486AUG21	SOFT WATER SERVICE - AUG 2021	\$43.50
	1				\$43.50
REGINA RAGAN	000004359	08/19/21	CHEQ00099007838	09011100 Cheque Deposits 09011	\$140.84
	1				\$140.84
RICHARD C. SLADE & ASSOC. LLC	000004378	08/19/21	5962	M21-220A WELL REHAB & SUPPORT	\$635.50
	1				\$635.50
SCOTT BOTSFORD	000004244	08/05/21	CHEQ00099007829	00114200 Cheque Deposits 00114	\$168.81
	1				\$168.81
SE7ENLEAF	000004279	08/12/21	C0097-19-01	P BOND C0097-19-01	\$2,580.00
	1				\$2,580.00
SENTRIC INC	000000000 000000000 01	08/18/21			\$0.00
	0167217	08/04/21	1235985	PPE 7/29/21	\$318.40
	0167218	08/18/21	1237339	PPE 8/12/21	\$316.55

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	3				\$634.95
SOCO RETAIL FEE OWNER LLC	000004278	08/12/21	C0082-19-01	P BOND C0082-19-01	\$2,959.00
	1				\$2,959.00
SONSRAY MACHINERY	000004303	08/12/21	W11305-03	FLEET REPAIR	\$2,675.47
	1				\$2,675.47
STEVE FORTUNATO	000004370	08/19/21	C0057-18-01	P BOND C0057-18-01	\$1,000.00
	1				\$1,000.00
STEVEN GRAUBARD	000004246	08/05/21	CHEQ00099007 831	03515200 Overpayment	\$193.01
	1				\$193.01
STRATEGIC RISK SOLUTIONS	000004353	08/19/21	21-5111	CONSULTING	\$7,500.00
	1				\$7,500.00
T2 TECHNOLOGY GROUP, LLC	000004270	08/12/21	5029	M21-120A AWS	\$47,518.35
		08/12/21	00307430	IT SUPPORT - JUNE 2021	\$44,507.50
	000004331	08/19/21	5027	M21-250F INFRASTRUCTURE SEC	\$28,575.49
		08/19/21	5030	IT PROUCTS & SUPPORT	\$37,170.00
		08/19/21	5025	M21-120A AWS	\$28,800.18
		08/19/21	00307447	IT SUPPORT - JULY 2021	\$37,815.00
		08/19/21	00307436	M21-120B SOLAR WINDS	\$31,835.00
		08/19/21	00307449	M21-120A AMAZON AWS	\$70,262.50
		08/19/21	00307448	M18-120R NIST COMPLIANCE	\$7,437.50
		08/19/21	00307450	M18-120F EOC INTERNET	\$4,492.50
		08/19/21	00307451	M21-120B SOLAR WINDS	\$26,482.50
		08/19/21	00307452	M21-250F OPERATIONS INFRA SEC	\$8,017.50
		08/19/21	00307446	IT SUPPORT - JULY 2021	\$45,382.50
	000004439	08/26/21	5026	SOLAR WINDS MAINT RENEWAL	\$8,834.00
	3				\$427,130.52

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
TERI ANDERSON	000004432	08/26/21	CHEQ00099007 845	30002021 Overpayment	\$92.74
	1				\$92.74
THE ORANGE COUNTY FAIR	000004229	08/05/21	INV-11528	2021 SPONSORSHIP - OC FAIR	\$10,500.00
	1				\$10,500.00
THEODORE ROBINS FORD	000004236	08/05/21	C55136	AUTO REPAIRS & MAINTENANCE	\$407.38
	1				\$407.38
TIME WARNER CABLE	000004262	08/05/21	1048224071921	INTERNET - DISTRICT	\$2,248.00
	000004379	08/19/21	1774795080621	INTERNET - DISTRICT	\$99.44
		08/19/21	0012934080321	INTERNET - DISTRICT	\$354.92
	2				\$2,702.36
TUSTIN URGENT CARE, APC DBA XPRESS URGENT CARE HUTINGTON BEACH	000004410	08/26/21	2908	MEDICAL SERVICES	\$400.00
	1				\$400.00
UNITED STATES TREASURY	000004265	08/05/21	080421	2020 FSA PCOR FEE	\$66.50
	000004266	08/05/21	080421-1	2020 RHS PCOR FEE	\$26.60
	2				\$93.10
UNIVERSAL WASTE SYSTEMS, INC	000004307	08/12/21	0001118567	WASTE REMOVAL - AUGUST	\$104.00
	1				\$104.00
UNUM	000004407	08/26/21	04205600016SE P21	LIFE INSURANCE- SEPTEMBER 2021	\$4,370.70
	1				\$4,370.70
VANGUARD UNIVERSITY	000004333	08/19/21	C0073-19-02	P BOND C0073-19-02	\$3,000.00
	1				\$3,000.00
VERIZON WIRELESS	000004239	08/05/21	9884261538	MOBILE INTERNET 06/17-07/16	\$2,006.39
	1				\$2,006.39
VORTEX INDUSTRIES, INC	000004357	08/19/21	09-1527743	REMOTES	\$1,532.47
	1				\$1,532.47
WASTE MANAGEMENT OF OC	000004241	08/05/21	7954173-0149-1	TR CONTAINER RENTAL JUL21	\$542.50
	000004310	08/12/21	0393856-2515-5	TR CONTAINER RENTAL AUG21	\$1,258.83
	2				\$1,801.33

Payment Listing by Class

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
WAYFARE GLOBAL INC	000004443	08/30/21	C0103-19-01	B RELEASE C0103-19-01	\$5,798.00
	1				\$5,798.00
WE SAVE BEES	000004311	08/12/21	9183	BEE REMOVAL SERVICES	\$195.00
		08/12/21	9184	BEE REMOVAL SERVICES	\$245.00
		08/12/21	9182	BEE REMOVAL SERVICES	\$195.00
	000004409	08/26/21	9307	BEE REMOVAL SERVICES	\$195.00
	2				\$830.00
WESTERN EXTERMINATOR COMPANY	000004312	08/12/21	8534960	PEST CONTROL - MWRF	\$92.50
	1				\$92.50
YORKE ENGINEERING, LLC	000004243	08/05/21	26288	AQ & ES ENVIROMENTAL SERVICES	\$5,250.67
		08/05/21	26289	AQ & ES ENVIROMENTAL SERVICES	\$399.25
	1				\$5,649.92
Total GENERAL AND ADMINISTRATIVE	129				\$848,886.77
RETIREE CHECKS					
ALAN COOK	000004209	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$94.83
	1				\$94.83
ART HERNANDEZ	000004253	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$179.08
	1				\$179.08
COLEEN L MONTELEONE	000004213	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$241.00
	1				\$241.00
DIANA LEACH	000004215	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$271.06
	1				\$271.06
JOHN CERNEK	000004222	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$62.28
	1				\$62.28
LORI MULLER	000004226	08/05/21	080121	AUG 2021 INSURANCE SUBSIDY	\$94.83

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$94.83
Total RETIREE CHECKS	6				\$943.08
VARIOUS					
AC POZOS ELECTRIC CORPORATION	000004314	08/12/21	ACP2020-1145	ELECTRICAL REPAIRS	\$272.20
		08/12/21	ACP2020-1143	ELECTRICAL REPAIRS	\$2,668.77
	1				\$2,940.97
AMAZON BUSINESS	000004252	08/05/21	1J7G-XHG9-9FLQ	OFFICE SUPPLIES	\$15.16
		08/05/21	1XVR-XHYP-HY7M	OFFICE SUPPLIES	\$195.40
		08/05/21	1L1W-49DH-GTLL	OFFICE SUPPLIES	\$106.60
		08/05/21	17D6-D1H4-KJFJ	OFFICE SUPPLIES	\$27.52
		08/05/21	1FKX-7KPC-3PC1	OFFICE SUPPLIES	\$213.30
		08/05/21	1LGH-3MFK-Y4N6	OFFICE SUPPLIES	\$32.04
		08/05/21	11G3-FLRD-V4GN	OFFICE SUPPLIES	\$32.31
		08/05/21	1NQ4-HX73-QT93	OFFICE SUPPLIES	\$96.96
		08/05/21	13CC-RTTF-1GHQ	OFFICE SUPPLIES	\$38.15
	000004315	08/12/21	17PN-PQXW-4R4X	OFFICE SUPPLIES	\$16.15
		08/12/21	1CQ3-VWG4-WKTX	OFFICE SUPPLIES	\$30.96
		08/12/21	16NX-CJHH-P16V	OFFICE SUPPLIES	\$39.00
		08/12/21	1H7L-41DJ-G64J	OFFICE SUPPLIES	\$32.29
		08/12/21	17R1-11Q6-HQDM	OFFICE SUPPLIES	\$21.95
		08/12/21	119P-PWFL-HJJC	OFFICE SUPPLIES	\$21.55
	000004364	08/19/21	1Q4D-7QXG-FNNY	OFFICE SUPPLIES	\$32.01
		08/19/21	1LPV-G6NR-94T9	OFFICE SUPPLIES	\$39.25
		08/19/21	1N4J-49XK-9KNT	OFFICE SUPPLIES	\$183.16
		08/19/21	1K3G-93TT-GNKR	OFFICE SUPPLIES	\$192.90
		08/19/21	1QPF-DXFM-7DXF	OFFICE SUPPLIES	\$132.86

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
AMAZON BUSINESS	000004364	08/19/21	1K7W-ML76-61T9	OFFICE SUPPLIES	\$1,292.80
		08/19/21	17MD-XJXK-6K7L	OFFICE SUPPLIES	\$40.31
	000004411	08/26/21	1VTN-GMY6-MVGQ	OFFICE SUPPLIES	\$29.00
		08/26/21	1Y3R-FQDW-9FXR	OFFICE SUPPLIES	\$79.80
		08/26/21	1NMR-RLHL-T6VK	OFFICE SUPPLIES	\$9.49
		08/26/21	137D-YPQN-GMPX	Receivings Transaction Entry	\$142.70
		08/26/21	1LHG-DN16-GCFC	OFFICE SUPPLIES	\$40.93
		08/26/21	13HK-FW6G-3FJ6	OFFICE SUPPLIES	\$334.00
		08/26/21	1NQR-QVG6-FW76	OFFICE SUPPLIES	\$33.37
		4			
AT&T	000004210	08/05/21	9337AUG21	714-435-9337 AUGUST 2021	\$3,709.63
	000004316	08/12/21	8315AUG21	714-241-8315 AUGUST 2021	\$1,391.77
	000004317	08/12/21	0926AUG21	949-650-0926 AUGUST 2021	\$2,108.45
	000004318	08/12/21	8883AUG21	949-631-8883 AUGUST 2021	\$398.35
	000004319	08/12/21	0779AUG21	339-263-0779 AUGUST 2021	\$1,609.31
	000004320	08/12/21	3066AUG21	960-350-3066 AUGUST 2021	\$6,288.57
	000004332	08/19/21	4054001AUG21	030 203 4054 001 AUGUST 2021	\$88.71
	000004365	08/19/21	000016830755	ACCT# 9391061444 JULY	\$55.87
		08/19/21	000016829897	ACCT# 9391055284 JULY	\$2,598.25
	8				\$18,248.91
DION & SONS, INC	000004412	08/26/21	776915	DIESEL FUEL	\$2,170.38
		08/26/21	776916	GASOLINE	\$7,413.95
1				\$9,584.33	
DUCKS UNLIMITED	000004323	08/12/21	110	SPONSORSHIP	\$1,000.00
1				\$1,000.00	

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ELITE EQUIPMENT	000004341	08/19/21	43460	REPAIRS	\$414.45
	1				\$414.45
FEDERAL EXPRESS CORPORATION	000004290	08/12/21	7-451-12961	SHIPPING SERVICES	\$35.11
	000004342	08/19/21	7-458-27282	SHIPPING SERVICES	\$33.45
	000004392	08/26/21	7-465-65787	SHIPPING SERVICES	\$83.99
	3				\$152.55
GENERAL PUMP COMPANY	000004430	08/26/21	28722	RES 1 ENG 2 REPAIRS	\$9,010.07
		08/26/21	28722-1	RES 1 ENG 2 REPAIRS	\$0.20
	1				\$9,010.27
GRAINGER	000004325	08/12/21	9006987292	SAFETY TOOLS & EQUIPMENT	\$115.17
		08/12/21	9006987300	SAFETY TOOLS & EQUIPMENT	\$54.99
		08/12/21	9007182109	SAFETY TOOLS & EQUIPMENT	\$140.36
		08/12/21	9005809752	SAFETY TOOLS & EQUIPMENT	\$1,091.57
	000004414	08/26/21	9014081336	SAFETY TOOLS & EQUIPMENT	\$99.60
		08/26/21	9014081344	SAFETY TOOLS & EQUIPMENT	\$311.79
	2				\$1,813.48
HACH COMPANY	000004415	08/26/21	12582920	WATER QUALITY SUPPLIES	\$85.36
		08/26/21	12580713	WATER QUALITY SUPPLIES	\$1,725.28
		08/26/21	12594005	WATER QUALITY SUPPLIES	\$4,504.46
		08/26/21	12591172	WATER QUALITY SUPPLIES	\$640.70
	1				\$6,955.80
HRCHITECT	000004221	08/05/21	2021-0510	M18-110 HRIS CONSULTANT	\$568.75
	000004293	08/12/21	2021-0473	M18-110 HRIS CONSULTANT	\$1,575.00
	000004343	08/19/21	2021-0547	M18-110 HRIS CONSULTANT	\$1,356.25
	3				\$3,500.00
KOFF AND ASSOCIATES	000004224	08/05/21	013506	PROFESSIONAL SERVICES	\$4,960.00
	1				\$4,960.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
LEED ELECTRIC	000004402	08/26/21	210825	ON CALL ELECTRICAL REPAIRS	\$1,024.00
	1				\$1,024.00
LEWIS CONSULTING GROUP	000004225	08/05/21	2021-120	GOV'T RELATIONS SERVICES	\$5,000.00
	1				\$5,000.00
MEYERS NAVE, A PROFESSIONAL CORPORATION	000004376	08/19/21	2021060559	E200-0001 MATTER 1893-003	\$8,466.77
		08/19/21	2021060560	E200-0001 MATTER 1893-005	\$194.40
		08/19/21	2021060190	E200-0001 MATTER 1893-003	\$3,836.42
		08/19/21	2021040114	E200-0001 MATTER 1893-005	\$2,180.40
		08/19/21	2021060191	E200-0001 MATTER 1893-003	\$1,598.40
		08/19/21	2021040490	E200-0001 MATTER 1893-003	\$621.00
		08/19/21	2021040491	E200-0001 MATTER 1893-003	\$202.50
		08/19/21	2021040492	E200-0001 MATTER 1893-005	\$291.60
		08/19/21	2020120045	E200-0001 MATTER 1893-005	\$1,468.80
		08/19/21	2021070178	E200-0001 MATTER 1893-003	\$8,194.50
		08/19/21	2021070176	E200-0001 MATTER 1893-003	\$388.80
		08/19/21	2021040489	E200-0001 MATTER 1893-003	\$1,566.00
		08/19/21	2021040493	E200-0001 MATTER 1893-003	\$172.80
			1		
MIKE KILBRIDE LTD	000004381	08/26/21	5850	M21-250G PARKING STRUC WATPRF	\$54,373.00
		08/26/21	5833	M21-250G PARKING STRUC WATPRF	\$40,000.00
	1				\$94,373.00
MURCAL, INC	000004228	08/05/21	82365	TOOL HARNESS	\$629.36
	1				\$629.36
SOUTHERN CALIFORNIA GAS CO	000004301	08/12/21	05060829008AU G21	NATURAL GAS, WELL 5, JUL 2021	\$15,909.92

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
SOUTHERN CALIFORNIA GAS CO	000004423	08/26/21	08940813002AUG21	NATURAL GAS RES 1, AUG 2021	\$1,143.23
		08/26/21	08520813000AUG21	NATURAL GAS DISTRICT AUG 2021	\$63.77
		08/26/21	05200799004AUG21	NATURAL GAS RES 2, AUG 2021	\$2,613.60
2					\$19,730.52
THE HOME DEPOT COMMERCIAL ACCT	000004396	08/26/21	1915JUL21	TOOLS & EQUIPMENT	\$1,233.43
		1			
TYCO/ JOHNSON CONTROLS	000004356	08/19/21	10467396	QUARTERLY SECURITY SERVICE	\$8,955.37
		08/26/21	36163151	SERVICE CALL	\$110.82
			36161725	SERVICE CALL	\$20.42
			36161723	M21-120A AWS CLOUD	\$150.35
			36160108	M21-120A AWS CLOUD	\$1,171.71
			36161724	M21-120A AWS CLOUD	\$569.12
2					\$10,977.79
USA BLUEBOOK	000004408	08/26/21	692172	WATER OPS SUPPLIES	\$1,623.24
		1			
VALLEY POWER	000004238	08/05/21	B43713	WELL#5 ENGINE REPAIR	\$3,112.44
		08/12/21	B43361	RES 1, 2 ENGINE REPAIR	\$7,224.12
				2	
VONAGE HOLDINGS CORPORATION	000004309	08/12/21	2101356	TELEPHONE SERVICES	\$10,508.16
		1			
WECK ANALYTICAL ENVIRONMENTAL SERVICES INC.	000004267	08/05/21	70768	WATER QUALITY ANALYSIS	\$7,731.27
		08/26/21	70784	WATER QUALITY ANALYSIS	\$4,646.50
				2	
WHITTINGHAM PUBLIC AFFAIRS ADVISORS	000004242	08/05/21	001195	SCAQMD CONSULTING	\$2,131.25
		1			
Total VARIOUS	44				\$261,210.15

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
WATER SUPPLY					
AIRGAS USA LLC	000004208	08/05/21	9981806385	CYLINDER RENTAL	\$105.28
	1				\$105.28
DOUGLAS ENVIRONMENTAL GROUP	000004339	08/19/21	18398	WASTEWATER FLOW MTR CALBRATE	\$2,385.00
	1				\$2,385.00
HARRINGTON INDUSTRIAL PLASTICS	000004373	08/19/21	002P1192	TOOLS	\$1,473.34
	000004416	08/26/21	002P1375	TOOLS	\$182.11
		08/26/21	002P1266	TOOLS	\$306.40
	2				\$1,961.85
HILL BROTHERS CHEMICAL CO.	000004219	08/05/21	07101466	AMMONIA	\$3,563.15
	000004326	08/12/21	07102455	AMMONIA	\$5,925.25
		08/12/21	07102454	AMMONIA	\$6,299.00
	2				\$15,787.40
LINDE INC.	000004329	08/12/21	65051039	CARBON DIOXIDE	\$3,496.85
		08/12/21	65202569	CARBON DIOXIDE	\$3,538.27
	000004349	08/19/21	65125076	CARBON DIOXIDE TANK RENTAL	\$2,489.03
	000004422	08/26/21	65288073	CARBON DIOXIDE	\$3,558.11
		08/26/21	65005288	CARBON DIOXIDE	\$3,604.96
		08/26/21	65323509	CARBON DIOXIDE	\$3,176.86
		08/26/21	65389979	CARBON DIOXIDE	\$3,471.72
	3				\$23,335.80
MUNICIPAL WATER DISTRICT OF OC	0167846	08/11/21	10547	WATER DELIVERIES JUNE	\$3,436.75
	0167853	08/27/21	2508	SMART TIMERS	\$26.99
	2				\$3,463.74
OCWD	0167847	08/11/21	23110	JUNE GAP WATER	\$143,216.25
	0167854	08/27/21	23293	JULY GAP WATER	\$121,197.60
	2				\$264,413.85
PACIFIC STAR CHEMICAL DBA NORTHSTAR CHEMICAL	000004261	08/05/21	200156	SOD HYPO	\$4,136.04
		08/05/21	200816	SOD HYPO	\$2,149.46
		08/05/21	200817	SOD HYPO	\$1,594.96
		08/05/21	200154	SOD HYPO	\$1,647.96
		08/05/21	200818	SOD HYPO	\$3,678.49
		08/05/21	200822	SOD HYDRO	\$1,654.18

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount	
PACIFIC STAR CHEMICAL DBA NORTHSTAR CHEMICAL	000004261	08/05/21	200821	SODIUM BISULFITE	\$2,385.25	
	000004327	08/12/21	201349	SOD HYPO	\$1,566.53	
		08/12/21	201348	SOD HYPO	\$2,977.95	
		08/12/21	201352	SOD HYPO	\$1,627.40	
		08/12/21	201351	SOD HYPO	\$4,787.47	
		08/12/21	201350	SOD HYPO	\$258.50	
		000004419	08/26/21	202187	SOD HYPO	\$2,178.45
	000004419	08/26/21	202186	SOD HYPO	\$5,353.59	
		08/26/21	202183	SOD HYPO	\$2,533.33	
		08/26/21	202185	SOD HYPO	\$232.65	
		08/26/21	202184	SOD HYPO	\$2,946.93	
	3					\$41,709.14
	SEPARATION PROCESSES, INC	000004234	08/05/21	10170	SUPPORT SERVICES	\$5,942.37
		000004302	08/12/21	10200	SUPPORT SERVICES	\$4,849.17
2					\$10,791.54	
UNITED WATERWORKS INC.	000004426	08/26/21	S100099597.001	WATER OPS SUPPLIES	\$1,648.52	
	1					\$1,648.52
Total WATER SUPPLY					\$365,602.12	
WATER SYSTEM						
ACCESSORIE AIR COMPRESSOR SYSTEMS	000004251	08/05/21	200126	AIR COMPRESSOR SERVICE	\$275.00	
	1					\$275.00
ALS TRUESDAIL LABORATORIES INC	000004263	08/05/21	522103143	WATER QUALITY TESTING	\$22.00	
		08/05/21	522102930	WATER QUALITY TESTING	\$62.00	
	000004306	08/12/21	522102984	WATER QUALITY TESTING	\$22.00	
	000004406	08/26/21	522103337	WATER QUALITY TESTING	\$22.00	
3					\$128.00	
BADGER METER INC.	000004384	08/26/21	1452523	C0071-20-01 METERS	\$5,203.16	
	1					\$5,203.16
BATTERY MART INC	000004273	08/12/21	39628	BATTERIES	\$861.69	
	1					\$861.69
DIG SAFE BOARD	000004338	08/19/21	DSB20203817	DIG SAFE BOARD FEES	\$317.32	

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$317.32
EWLES MATERIALS INC	000004289	08/12/21	421258	BOBTAIL DUMP FEES	\$1,100.00
	1				\$1,100.00
EXPRESS PIPE & SUPPLY CO. INC	000004391	08/26/21	S111279939.001	PIPE SUPPLIES	\$198.90
	1				\$198.90
HENDEY METER	000004395	08/26/21	062646-214	METER COUPLINGS AND TEST	\$1,366.54
	1				\$1,366.54
IRVINE PIPE & SUPPLY	000004295	08/12/21	1022202-01	PIPE FITTINGS AND SUPPLIES	\$133.84
	1				\$133.84
LARRY'S BUILDING MATERIALS	000004375	08/19/21	CM-132620	PAVING MATERIALS	\$32.27
		08/19/21	CM-132317	PAVING MATERIALS	\$31.79
	000004401	08/26/21	CM-132747	M22-01FH PAVING MATERIALS	\$32.27
	2				\$96.33
OMAR & SON'S TRUCKING	000004230	08/05/21	6058	M22-001FH DIRT HAULING	\$808.00
	1				\$808.00
PRAXAIR DISTRIBUTION, INC.	000004232	08/05/21	64897904	CARBON DIOXIDE TANK RENTAL	\$162.36
	000004421	08/26/21	65419096	WELDING SUPPLIES	\$245.98
	2				\$408.34
S & J SUPPLY CO.	000004351	08/19/21	S100177737.001	PIPELINE MATERIALS	\$899.49
	1				\$899.49
SOUTHERN COUNTIES LUBRICANTS, LLC	000004424	08/26/21	149975	CHEVRON HDAX 5200 LOW ASH	\$2,637.81
		08/26/21	149974	CHEVRON HDAX 5200 LOW ASH	\$5,182.73
	1				\$7,820.54
STATE WATER RESOURCES CONTROL BOARD	000004304	08/12/21	537642	PERMIT # 2 FOR CHANDLER/CRODDY	\$465.00
	1				\$465.00
TAMORI DESIGNS	000004405	08/26/21	1506	PRINTING - HANG TAGS	\$630.88
	1				\$630.88
UNDERGROUND SERVICE ALERT/SC	000004264	08/05/21	720210445	UNDERGROUND DIG ALERT	\$641.95
	1				\$641.95

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
VULCAN MATERIALS	000004330	08/12/21	73025225	M22-001FH PAVING MATERIALS	\$90.15
		08/12/21	73014532	PAVING MATERIALS	\$170.69
		08/12/21	73016974	PAVING MATERIALS	\$254.55
		08/12/21	73031719	M22-001FH PAVING MATERIALS	\$219.33
	000004428	08/26/21	73043986	M22-001FH PAVING MATERIALS	\$101.78
		08/26/21	73043987	PAVING MATERIALS	\$172.35
		08/26/21	73019100	PAVING MATERIALS	\$356.20
		08/26/21	73036588	PAVING MATERIALS	\$101.78
		08/26/21	73039044	M22-001FH PAVING MATERIALS	\$100.12
		2			
Total WATER SYSTEM	23				\$22,921.93
Total Payments (All)	257				\$2,293,657.27



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: September 28, 2021
SUBJECT: Monthly Financial Reports

RECOMMENDATION

Receive and file the Monthly Financial Reports.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

The attached Treasurer's status reports reflect the performance of Mesa Water's cash and investment accounts.

FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: Monthly Treasurer's Status Report on Investments as of 8/31/21
Attachment B: Monthly Treasurer's Status Report on Investments as of 7/31/21

Mesa Water District
Monthly Treasurer's Status Report on Investments
8/31/2021



Investments are in compliance with the Investment Policy adopted as Resolution 1506 of the Mesa Water District Board of Directors. The liquidity of investments will meet cash flow needs for the next six months except under unforeseen catastrophic circumstances.

<u>Investments</u>	<u>Maturity Date</u>	<u>Days to Maturity</u>	<u>YTM@Cost</u>	<u>Cost Value</u>	<u>% of Portfolio</u>	<u>Policy % Limit</u>	<u>Market Value</u>
Local Agency Investment Fund (LAIF)	Liquid	1	0.22%	1,083.43	0.00%	No Limit	1,083.43
Orange County Investment Pool (OCIP) *	Liquid	1	0.58%	826,258.18	2.01%	No Limit	826,258.18
Miscellaneous Cash (Petty, Emergency, etc.)	Liquid	1	0.00%	14,000.00	0.03%	N/A	14,000.00
<u>US Bank Custody Account</u>							
Negotiable Certificate of Deposit	Various	972	1.37%	10,623,000.00	26.14%	30.00%	10,766,114.30
US Agency Bonds	Various	1,071	0.88%	15,134,490.29	36.79%	No Limit	15,152,918.60
US Treasury Bonds	Various	1,317	0.49%	1,240,342.61	3.01%	No Limit	1,238,927.50
Sub Total / Average		1,043	1.06%	26,997,832.90			27,157,960.40
<u>US Bank Custody Account</u>							
Pacific Premier Bank	Liquid	1	1.00%	1,378,413.60	3.35%	No Limit	1,378,413.60
	Liquid	1	1.25%	11,806,666.88	28.67%	No Limit	11,806,666.88
Total / Average		688	1.07%	\$ 41,024,254.99	100.00%		\$ 41,184,382.49

<u>PARS OPEB & Pension Trust</u>	<u>Monthly Rate of Return</u>	<u>Cost Value</u>	<u>Market Value</u>
Public Agency Retirement Services (PARS)			
Capital Appreciation HighMark PLUS Fund			
OPEB	1.81%	\$ 1,676,788.71	\$ 2,206,353.45
Pension Trust	1.82%	\$ 12,719,570.68	\$ 16,811,909.00
		\$ 14,396,359.39	\$ 19,018,262.45

Local Agency Investment Fund (LAIF)

LAIF includes funds designated for allocation of working capital cash to reserves, working capital cash and advances for construction. LAIF market value on Monthly Treasurer's Status Report on Investments for months between quarters is the dollar amount invested times the fair market value Fair Value factor of prior quarter end. The general ledger LAIF carrying value reflects market value (unrealized gains and losses) only at fiscal year end. LAIF provides the Fair Value factor as of March 31, June 30, September 30 and December 31 each year. LAIF market value on this report is based on the June 2021 Fair Value Factor of 1.00008297.

Orange County Treasurer's Investment Pool (OCIP)

The MY 2021 net asset value factor is estimated at 1.00, and the interest rate is the Monthly Net Yield.

Weighted Average Return

Mesa Water® Funds | 1.067%

Benchmark: 3 Month Treasury Bill - August 2021 | 0.05 %

Weighted Average Maturity

Years | 1.90

Days to Maturity | 688

PARS OPEB & Pension Trust Benchmark - S & P 500 Index

1 Month | 2.90 %

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: Report Group | Treasurer's Report
 Begin Date: 07/31/2021, End Date: 08/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
Transportation Alliance Bank 0.4 1/30/2025	89388CFD5	0.400	8/3/2021	1/30/2025	247,000.00	247,000.00	10.83	247,010.83
FHLB 0.53 2/10/2026	3130AKWW2	0.667	8/19/2021	2/10/2026	310,000.00	308,124.50	41.08	308,165.58
T-Note 0.375 4/30/2025	912828ZL7	0.450	8/19/2021	4/30/2025	250,000.00	249,312.75	282.78	249,595.53
T-Note 0.125 2/15/2024	91282CBM2	0.205	8/19/2021	2/15/2024	250,000.00	249,503.50	3.40	249,506.90
FHLB 0.625 2/24/2025-22	3130ANQ86	0.510	8/24/2021	2/24/2025	250,000.00	250,996.00	0.00	250,996.00
UBS Bank UT 0.95 8/25/2026	90348JS50	0.950	8/25/2021	8/25/2026	249,000.00	249,000.00	0.00	249,000.00
Sub Total / Average Buy					1,556,000.00	1,553,936.75	338.09	1,554,274.84
Matured								
Wells Fargo SD 1.6 8/3/2021	9497486Z5	0.000	8/3/2021	8/3/2021	247,000.00	247,000.00	0.00	247,000.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	0.000	8/30/2021	8/30/2021	247,000.00	247,000.00	0.00	247,000.00
Sub Total / Average Matured					494,000.00	494,000.00	0.00	494,000.00

Mesa Water District
Date To Date
Monthly Interest | Received
Report Format: By Transaction
Group By: Asset Category
Portfolio / Report Group: Report Group | Treasurer's Report
Begin Date: 7/31/2021, End Date: 8/31/2021

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
LAIF Policy - No Limit							
LAIF LGIP	LGIP0012	6/30/2010	N/A	N/A	1,083.43	0.00	0.00
Sub Total/Average					1,083.43	0.00	0.00
Orange County LGIP - OCIP Policy - No Limit							
Orange County Investment Pool LGIP	LGIP9LC	9/30/2011	N/A	N/A	826,258.18	353.85	0.00
Sub Total/Average					826,258.18	353.85	0.00
Miscellaneous Cash (Petty Emergency)							
Miscellaneous Cash	CASH	6/30/2015	N/A	N/A	14,000.00	0.00	0.00
Sub Total/Average					14,000.00	0.00	0.00
Negotiable CD 30%							
Wells Fargo SD 1.6 8/3/2021	9497486Z5	8/3/2016	8/3/2021	1.600	0.00	335.65	0.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	8/29/2016	8/30/2021	1.500	0.00	1,857.58	0.00
Mercantil Commerce Bank FL 1.65 9/28/2021	58733ADJ5	9/28/2016	9/28/2021	1.650	247,000.00	0.00	0.00
Countryside Federal CU NY 1.65 10/28/2021	22239MAL2	10/28/2016	10/28/2021	1.650	247,000.00	346.14	0.00
Bank of Baroda 1.85 11/23/2021	06062QXG4	11/23/2016	11/23/2021	1.850	247,000.00	0.00	0.00
First National Bank MI 2 1/20/2022	32110YJT3	1/20/2017	1/20/2022	2.000	201,000.00	341.42	0.00
State Bank India NY 2.35 3/14/2022	8562846V1	3/14/2017	3/14/2022	2.350	247,000.00	0.00	0.00
Amercian Express 2.45 4/5/2022	02587DN38	4/5/2017	4/5/2022	2.450	247,000.00	0.00	0.00
Goldman Sachs NY 3.3 1/16/2024	38148P4E4	1/16/2019	1/16/2024	3.300	245,000.00	0.00	0.00
Merrick Bank UT 3 7/31/2023	59013J6G9	1/30/2019	7/31/2023	3.000	249,000.00	634.44	0.00
Morgan Stanley UT 3.05 1/31/2024	61690UDV9	1/31/2019	1/31/2024	3.050	246,000.00	0.00	0.00
Morgan Stanley NY 3.05 1/31/2024	61760AVF3	1/31/2019	1/31/2024	3.050	246,000.00	0.00	0.00
Capital One VA 2.65 5/22/2024	14042RLP4	5/22/2019	5/22/2024	2.650	246,000.00	0.00	0.00
Eaglebank MD 2.5 5/24/2024	27002YEN2	5/24/2019	5/24/2024	2.500	249,000.00	528.70	0.00
Sallie Mae Bank UT 1.9 10/16/2024	7954504P7	10/17/2019	10/16/2024	1.900	247,000.00	0.00	0.00
Celtic Bank UT 1.65 10/23/2024	15118RSV0	10/23/2019	10/23/2024	1.650	249,000.00	348.94	0.00
Ally Bank UT 1.85 10/24/2022	02007GML4	10/24/2019	10/24/2022	1.850	247,000.00	0.00	0.00
Enterprise Bank & Trust 1.75 11/8/2023	29367SJR6	11/8/2019	11/8/2023	1.750	249,000.00	370.09	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
Raymond James Bank 1.75 11/8/2023	75472RAH4	11/8/2019	11/8/2023	1.750	247,000.00	0.00	0.00
Third Federal Savings 1.75 11/13/2023	88413QCJ5	11/12/2019	11/13/2023	1.750	247,000.00	0.00	0.00
Garnett State Bank 1.7 11/19/2024	366526AW1	11/19/2019	11/19/2024	1.700	249,000.00	359.52	0.00
Citizens State Bank 1.7 11/22/2024	176688CR8	11/22/2019	11/22/2024	1.700	249,000.00	359.52	0.00
Marlin Business Bank UT 1.7 12/4/2023	57116ATG3	12/2/2019	12/4/2023	1.700	249,000.00	359.52	0.00
Baycoast Bank MA 0.9 3/31/2025	072727BG4	3/31/2020	3/31/2025	0.900	248,000.00	0.00	0.00
Enerbank UT 1.15 4/29/2024	29278TNY2	4/29/2020	4/29/2024	1.150	249,000.00	243.20	0.00
First Freedom Bank 1.1 4/30/2024	32027BAM9	4/30/2020	4/30/2024	1.100	249,000.00	232.63	0.00
Flagstar Bank MI 1.25 4/30/2025	33847E3A3	4/30/2020	4/30/2025	1.250	248,000.00	0.00	0.00
Apex Bank TN 0.95 5/8/2025	03753XBK5	5/8/2020	5/8/2025	0.950	249,000.00	200.91	0.00
Seattle Bank WA 0.75 6/2/2025-20	81258PKJ1	6/2/2020	6/2/2025	0.750	249,000.00	158.61	0.00
Medallion Bank UT 0.6 7/15/2025	58404DHM6	7/15/2020	7/15/2025	0.600	249,000.00	126.89	0.00
Preferred Bank CA 0.25 7/17/2023	740367LV7	7/17/2020	7/17/2023	0.250	249,000.00	52.87	0.00
Bankwell Bank CT 0.35 1/30/2024	06654BCM1	7/30/2020	1/30/2024	0.350	249,000.00	0.00	0.00
BMW Bank UT 0.5 9/25/2025	05580AXF6	9/25/2020	9/25/2025	0.500	249,000.00	0.00	0.00
BMO Harris Bank IL 0.5 3/28/2025-20	05600XAY6	9/28/2020	3/28/2025	0.500	249,000.00	0.00	0.00
First Commercial Bank MS 0.3 3/31/2025	31984GFK0	9/30/2020	3/31/2025	0.300	249,000.00	63.44	0.00
Farm Bureau Bank NV 0.25 7/9/2024	307660LK4	10/9/2020	7/9/2024	0.250	249,000.00	52.87	0.00
Texas Exchange Bank TX 0.6 12/18/2025	88241TJR2	12/18/2020	12/18/2025	0.600	249,000.00	126.89	0.00
JPMorgan Chase OH 0.5 12/29/2025-21	48128UUZ0	12/29/2020	12/29/2025	0.500	249,000.00	0.00	0.00
John Marshall Bancorp VA 0.2 12/29/2023	47804GGC1	12/30/2020	12/29/2023	0.200	249,000.00	42.30	0.00
Live Oak Banking NC 0.5 2/10/2026	538036NE0	2/10/2021	2/10/2026	0.500	249,000.00	105.74	0.00
Luana Savings Bank IA 0.2 8/19/2024	549104WN3	2/19/2021	8/19/2024	0.200	249,000.00	246.95	0.00
Homestreet Bank WA 0.1 8/22/2022	43785QPQ0	2/22/2021	8/22/2022	0.100	249,000.00	21.15	0.00
Toyota Financial Savings NV 0.95 7/29/2026	89235MLE9	7/29/2021	7/29/2026	0.950	248,000.00	0.00	0.00
Transportation Alliance Bank 0.4 1/30/2025	89388CFD5	8/3/2021	1/30/2025	0.400	247,000.00	83.91	0.00
UBS Bank UT 0.95 8/25/2026	90348JS50	8/25/2021	8/25/2026	0.950	249,000.00	0.00	0.00
Sub Total/Average					10,623,000.00	7,599.88	0.00
US Agency - No Limit							
FHLB 2 11/10/2021-18	3130A9S44	11/10/2016	11/10/2021	2.000	750,000.00	0.00	0.00
FHLB 3 12/9/2022	3130AFE78	1/9/2019	12/9/2022	3.000	1,000,000.00	0.00	0.00
FAMC 3.05 9/19/2023	3132X06C0	1/9/2019	9/19/2023	3.050	500,000.00	0.00	0.00
FFCB 2.125 6/5/2023	3133EKPT7	11/8/2019	6/5/2023	2.125	500,000.00	0.00	0.00
FNMA 1.375 9/6/2022	3135G0W33	11/8/2019	9/6/2022	1.375	500,000.00	0.00	0.00
FAMC 2.15 6/5/2024	31422BGA2	11/8/2019	6/5/2024	2.150	500,000.00	0.00	0.00
FNMA 1.875 4/5/2022	3135G0T45	3/23/2020	4/5/2022	1.875	500,000.00	0.00	0.00
FHLMC 0.7 5/13/2025-21	3134GVSY5	5/13/2020	5/13/2025	0.700	500,000.00	0.00	0.00
FHLMC 0.5 5/20/2024-22	3134GVXR4	5/21/2020	5/20/2024	0.500	500,000.00	0.00	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	0.00	0.00
FHLMC 0.375 7/14/2023-22	3134GV5F1	7/14/2020	7/14/2023	0.375	250,000.00	0.00	0.00
FFCB 0.25 9/21/2023-22	3133EMAM4	9/24/2020	9/21/2023	0.250	500,000.00	0.00	0.00
FHLMC 0.35 9/30/2024-22	3134GWVM5	9/30/2020	9/30/2024	0.350	250,000.00	0.00	0.00
FHLMC 0.4 9/30/2025-21	3134GWVP8	9/30/2020	9/30/2025	0.400	250,000.00	0.00	0.00
FNMA 0.54 11/3/2025-22	3135GA2G5	10/30/2020	11/3/2025	0.540	500,000.00	0.00	0.00
FFCB 0.27 11/3/2023-22	3133EMFN7	11/3/2020	11/3/2023	0.270	250,000.00	0.00	0.00
FNMA 0.375 8/25/2025	3135G05X7	11/12/2020	8/25/2025	0.375	250,000.00	468.75	0.00
FHLMC 0.3 11/13/2023-22	3134GXAY0	11/13/2020	11/13/2023	0.300	250,000.00	0.00	0.00
FNMA 0.56 11/17/2025-22	3135GA2Z3	11/17/2020	11/17/2025	0.560	325,000.00	0.00	0.00
FNMA 0.58 11/25/2025-22	3135GA5E7	11/30/2020	11/25/2025	0.580	250,000.00	0.00	0.00
FNMA 0.6 7/29/2025-22	3136G4D75	12/18/2020	7/29/2025	0.600	250,000.00	0.00	0.00
FFCB 0.47 12/22/2025-22	3133EMLC4	12/22/2020	12/22/2025	0.470	250,000.00	0.00	0.00
FFCB 0.125 5/3/2023-21	3133EMPA4	2/5/2021	5/3/2023	0.125	250,000.00	0.00	0.00
FFCB 0.32 2/3/2025-21	3133EMPV8	2/5/2021	2/3/2025	0.320	250,000.00	400.00	0.00
FHLB 0.625 2/24/2026-21	3130AL7M0	3/2/2021	2/24/2026	0.625	250,000.00	781.25	0.00
FFCB 0.45 2/2/2026-23	3133EMPD8	3/2/2021	2/2/2026	0.450	300,000.00	675.00	0.00
FFCB 0.3 11/12/2024-21	3133EMQQ8	3/2/2021	11/12/2024	0.300	250,000.00	0.00	0.00
FFCB 0.43 3/3/2025	3133EMSJ2	3/3/2021	3/3/2025	0.430	250,000.00	0.00	0.00
FHLB 0.6 3/10/2026-21	3130ALFX7	3/10/2021	3/10/2026	0.600	250,000.00	0.00	0.00
FHLB 0.5 3/10/2025-21	3130ALDZ4	3/24/2021	3/10/2025	0.500	250,000.00	0.00	0.00
FHLB 0.75 3/16/2026-21	3130ALF33	3/24/2021	3/16/2026	0.750	250,000.00	0.00	0.00
FFCB 0.25 3/1/2024-21	3133EMSD5	3/24/2021	3/1/2024	0.250	250,000.00	0.00	0.00
FHLMC 0.45 10/29/2025-21	3134GW3J3	4/22/2021	10/29/2025	0.450	250,000.00	0.00	0.00
FHLMC 1.03 4/29/2026-22	3130ALZM9	4/29/2021	4/29/2026	1.030	250,000.00	0.00	0.00
FNMA 0.5 8/14/2025-23	3135G05S8	4/29/2021	8/14/2025	0.500	250,000.00	625.00	0.00
FHLMC 0.65 10/27/2025-21	3134GW5R3	5/25/2021	10/27/2025	0.650	375,000.00	0.00	0.00
FHLB 0.875 5/26/2026-21	3130AMHB1	5/28/2021	5/26/2026	0.875	250,000.00	0.00	0.00
FFCB 0.53 9/29/2025-21	3133EMBH4	6/17/2021	9/29/2025	0.530	500,000.00	0.00	0.00
FFCB 0.9 6/15/2026-22	3133EMH21	6/17/2021	6/15/2026	0.900	250,000.00	0.00	0.00
FFCB 0.6 6/16/2025-22	3133EMH47	6/17/2021	6/16/2025	0.600	250,000.00	0.00	0.00
FHLB 0.53 2/10/2026	3130AKWW2	8/19/2021	2/10/2026	0.530	310,000.00	0.00	0.00
FHLB 0.625 2/24/2025-22	3130ANQ86	8/24/2021	2/24/2025	0.625	250,000.00	0.00	0.00
Sub Total/Average					15,060,000.00	2,950.00	0.00
US Treasury - No Limit							
T-Note 0.25 6/30/2025 T-Note 0.375	912828ZW3	4/22/2021	6/30/2025	0.250	250,000.00	0.00	0.00
1/31/2026 T-Note 0.375 4/30/2025	91282CBH3	4/29/2021	1/31/2026	0.375	250,000.00	0.00	0.00
	912828ZL7	7/1/2021	4/30/2025	0.375	250,000.00	0.00	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
T-Note 0.375 4/30/2025 T-Note 0.125 2/15/2024	912828ZL7	8/19/2021	4/30/2025	0.375	250,000.00	0.00	0.00
	91282CBM2	8/19/2021	2/15/2024	0.125	250,000.00	0.00	0.00
Sub Total/Average					1,250,000.00	0.00	0.00
US Bank MM Custody Policy 50%							
US Bank Custodian MM	MM65000	7/31/2020	N/A	N/A	1,378,413.60	3.66	0.00
Sub Total/Average					1,378,413.60	3.66	0.00
Pacific Premier Bank Policy - n/a							
Pacific Premier Bank Checking Cash	MM0831	5/28/2020	N/A	N/A	11,806,666.88	0.00	0.00
Sub Total/Average					11,806,666.88	0.00	0.00
Total / Average					40,959,422.09	10,907.39	0.00

Mesa Water District
Portfolio Holdings
Investment Report | PARS Trust
Report Format: By CUSIP / Ticker
Group By: Portfolio Name
Average By: Market Value
Portfolio / Report Group: PARS OPEB Trust
As of 8/31/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS OPEB Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	4,670.94	114,767.04	176,187.17
DFA Large Cap	233203868	Mutual Fund	4,560.12	103,277.31	126,953.36
Dodge & Cox International	256206103	Mutual Fund	1,293.68	49,702.02	63,065.70
Dodge & Cox Stock Fund	256219106	Mutual Fund	619.69	112,190.93	151,924.40
Doubeline Core Fix Income	258620301	Mutual Fund	10,679.86	117,910.29	119,293.87
Harbor Capital Appreciation	411512528	Mutual Fund	798.71	63,158.35	97,194.67
Hartford Schroders	41665X859	Mutual Fund	7,328.59	122,666.61	153,314.24
iShares SP500	464287408	Mutual Fund	463.00	60,246.99	70,028.75
iShares Russell Mid Cap	464287499	Mutual Fund	1,550.00	42,150.69	126,898.50
MFS International	552746356	Mutual Fund	1,347.39	41,763.06	62,707.68
Pimco Total Return Fund	693390700	Mutual Fund	11,482.83	120,870.12	119,880.68
PIMCO	693390841	Mutual Fund	3,063.00	27,665.06	27,934.57
Price T Rowe Growth	741479406	Mutual Fund	819.81	55,625.92	96,411.19
PGIM Total Return Bond	74440B884	Mutual Fund	8,097.94	119,036.93	119,767.51
Undiscovered	904504479	Mutual Fund	1,452.97	90,115.25	120,785.71
Vanguard Growth & Income	921913208	Mutual Fund	3,034.23	226,715.51	344,629.53
Vanguard Short Term	922031836	Mutual Fund	4,597.80	49,891.72	50,437.65
Vanguard Real Estate	922908553	Mutual Fund	408.00	33,603.21	44,300.64
Victory RS	92647Q363	Mutual Fund	1,143.15	104,527.45	113,733.38
US Bank PARS - OPEB Trust MM	MM4900	Money Market	20,904.25	20,904.25	20,904.25
Sub Total / Average PARS OPEB Trust			88,315.96	1,676,788.71	2,206,353.45
Total / Average			88,315.96	1,676,788.71	2,206,353.45

Mesa Water District
Portfolio Holdings
Investment Report | PARS Trust
Report Format: By CUSIP / Ticker
Group By: Portfolio Name
Average By: Market Value
Portfolio / Report Group: PARS Pension Trust
As of 8/31/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS Pension Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	35,917.45	932,292.49	1,354,805.85
DFA Large Cap	233203868	Mutual Fund	35,078.88	787,194.59	976,595.98
Dodge & Cox International	256206103	Mutual Fund	9,950.36	410,488.61	485,080.09
Dodge & Cox Stock Fund	256219106	Mutual Fund	4,766.45	894,628.60	1,168,540.92
Doubeline Core Fix Income	258620301	Mutual Fund	82,119.30	902,035.79	917,272.30
Harbor Capital Appreciation	411512528	Mutual Fund	6,141.64	491,299.26	747,377.76
Hartford Schroders	41665X859	Mutual Fund	56,263.82	921,505.30	1,177,039.29
iShares SP500	464287408	Mutual Fund	3,561.00	464,661.86	538,601.25
iShares Russell Mid Cap	464287499	Mutual Fund	11,925.00	183,584.37	976,299.75
MFS International	552746356	Mutual Fund	10,358.13	347,654.56	482,068.21
Pimco Total Return Fund	693390700	Mutual Fund	88,007.35	917,676.11	918,796.73
PIMCO	693390841	Mutual Fund	23,554.70	212,638.14	214,818.87
Price T Rowe Growth	741479406	Mutual Fund	6,303.93	442,658.70	741,343.61
PGIM Total Return Bond	74440B884	Mutual Fund	61,989.62	905,380.05	916,826.82
Undiscovered	904504479	Mutual Fund	11,184.04	686,545.31	929,728.91
Vanguard Growth & Income	921913208	Mutual Fund	23,332.11	1,779,992.88	2,650,060.93
Vanguard Short Term	922031836	Mutual Fund	35,260.59	381,522.83	386,808.42
Vanguard Real Estate	922908553	Mutual Fund	3,140.00	249,690.10	340,941.20
Victory RS	92647Q363	Mutual Fund	8,788.60	793,598.93	874,379.91
US Bank PARS - Pension Trust MM	MM4901	Money Market	14,522.20	14,522.20	14,522.20
Sub Total / Average PARS Pension Trust			532,165.17	12,719,570.68	16,811,909.00
Total / Average			532,165.17	12,719,570.68	16,811,909.00

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: PARS OPEB Trust
 Begin Date: 07/31/2021, End Date: 08/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	17.299	180.60	0.00	180.60
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	18.477	273.27	0.00	273.27
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	6.54	71.74	0.00	71.74
Sub Total / Average Buy					42.316	525.61	0.00	525.61
Dividend								
PIMCO	693390841	0.000	8/31/2021	N/A	0.00	0.00	100.50	100.50
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	0.00	0.00	180.60	180.60
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	0.00	0.00	273.27	273.27
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	0.00	0.00	71.74	71.74
Doubeline Core Fix Income	258620301	0.000	8/31/2021	N/A	0.00	0.00	287.97	287.97
Sub Total / Average Dividend					0.00	0.00	914.08	914.08

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: PARS Pension Trust
 Begin Date: 07/31/2021, End Date: 08/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Dividend								
Doubeline Core Fix Income	258620301	0.000	8/2/2021	N/A	0.00	0.00	2,214.25	2,214.25
PIMCO	693390841	0.000	8/31/2021	N/A	0.00	0.00	772.68	772.68
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	0.00	0.00	1,386.38	1,386.38
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	0.00	0.00	2,096.85	2,096.85
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	0.00	0.00	550.87	550.87
Sub Total / Average Dividend					0.00	0.00	7,021.03	7,021.03

Mesa Water District
Monthly Treasurer's Status Report on Investments
7/31/2021



Investments are in compliance with the Investment Policy adopted as Resolution 1506 of the Mesa Water District Board of Directors. The liquidity of investments will meet cash flow needs for the next six months except under unforeseen catastrophic circumstances.

<u>Investments</u>	<u>Maturity Date</u>	<u>Days to Maturity</u>	<u>YTM@Cost</u>	<u>Cost Value</u>	<u>% of Portfolio</u>	<u>Policy % Limit</u>	<u>Market Value</u>
Local Agency Investment Fund (LAIF)	Liquid	1	0.22%	1,083.43	0.00%	No Limit	1,083.43
Orange County Investment Pool (OCIP)	Liquid	1	0.59%	825,904.33	2.03%	No Limit	825,904.33
Miscellaneous Cash (Petty, Emergency, etc.)	Liquid	1	0.00%	14,000.00	0.03%	N/A	14,000.00
<u>US Bank Custody Account</u>							
Negotiable Certificate of Deposit	Various	932	1.41%	10,621,000.00	26.54%	30.00%	10,795,069.32
US Agency Bonds	Various	1,087	0.89%	14,575,369.79	35.93%	No Limit	14,616,272.00
US Treasury Bonds	Various	1,481	0.60%	741,526.36	1.83%	No Limit	743,250.00
Sub Total / Average		0	1.10%	25,937,896.15			26,154,591.32
<u>US Bank Custody Account</u>							
Pacific Premier Bank	Liquid	1	0.10%	2,420,849.81	5.95%	No Limit	2,420,849.81
	Liquid	1	1.25%	11,264,160.46	27.69%	No Limit	11,264,160.46
Total / Average		665	1.06%	\$ 40,463,894.18	100.00%		\$ 40,680,589.35

<u>PARS OPEB & Pension Trust</u>	<u>Monthly Rate of Return</u>	<u>Cost Value</u>	<u>Market Value</u>
Public Agency Retirement Services (PARS)			
Capital Appreciation HighMark PLUS Fund			
OPEB	0.37%	1,676,700.62	2,167,928.47
Pension Trust	0.39%	12,797,721.45	16,595,218.44
		\$ 14,474,422.07	\$ 18,763,146.91

Local Agency Investment Fund (LAIF)

LAIF includes funds designated for allocation of working capital cash to reserves, working capital cash and advances for construction. LAIF market value on Monthly Treasurer's Status Report on Investments for months between quarters is the dollar amount invested times the fair market value Fair Value factor of prior quarter end. The general ledger LAIF carrying value reflects market value (unrealized gains and losses) only at fiscal year end. LAIF provides the Fair Value factor as of March 31, June 30, September 30 and December 31 each year. LAIF market value on this report is based on the June 2021 Fair Value Factor of 1.0012669853.

Orange County Treasurer's Investment Pool (OCIP)

The MY 2021 net asset value factor is estimated at 1.00, and the interest rate is the Monthly Net Yield.

Weighted Average Return

Mesa Water® Funds | 1.064%

Benchmark: 3 Month Treasury Bill - July 2021 | 0.05 %

Weighted Average Maturity

Years | 1.80

Days to Maturity | 665

PARS OPEB & Pension Trust Benchmark - S & P 500 Index

1 Month | 2.27 %

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: Report Group | Treasurer's Report
 Begin Date: 06/30/2021, End Date: 07/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
T-Note 0.375 4/30/2025	912828ZL7	0.555	7/1/2021	4/30/2025	250,000.00	248,296.00	157.95	248,453.95
Toyota Financial Savings NV 0.95 7/29/2026	89235MLE9	0.950	7/29/2021	7/29/2026	248,000.00	248,000.00	0.00	248,000.00
Sub Total / Average Buy					498,000.00	496,296.00	157.95	496,453.95
Called								
FHLMC 0.4 10/23/2023-21	3134GV6D5	0.000	7/23/2021	10/23/2023	250,000.00	250,000.00	0.00	250,000.00
Sub Total / Average Called					250,000.00	250,000.00	0.00	250,000.00

Mesa Water District
Date To Date
Monthly Interest | Received
Report Format: By Transaction
Group By: Asset Category
Portfolio / Report Group: Report Group | Treasurer's Report
Begin Date: 6/30/2021, End Date: 7/31/2021

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
LAIF Policy - No Limit							
LAIF LGIP	LGIP0012	6/30/2010	N/A	N/A	1,083.43	0.88	0.00
Sub Total/Average					1,083.43	0.88	0.00
Orange County LGIP - OCIP Policy - No Limit							
Orange County Investment Pool LGIP	LGIP9LC	9/30/2011	N/A	N/A	825,904.33	359.19	0.00
Sub Total/Average					825,904.33	359.19	0.00
Miscellaneous Cash (Petty Emergency)							
Miscellaneous Cash	CASH	6/30/2015	N/A	N/A	14,000.00	0.00	0.00
Sub Total/Average					14,000.00	0.00	0.00
Negotiable CD 30%							
Wells Fargo SD 1.6 8/3/2021	9497486Z5	8/3/2016	8/3/2021	1.600	247,000.00	324.82	0.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	8/29/2016	8/30/2021	1.500	247,000.00	0.00	0.00
Mercantil Commerce Bank FL 1.65 9/28/2021	58733ADJ5	9/28/2016	9/28/2021	1.650	247,000.00	0.00	0.00
Countryside Federal CU NY 1.65 10/28/2021	22239MAL2	10/28/2016	10/28/2021	1.650	247,000.00	334.97	0.00
Bank of Baroda 1.85 11/23/2021	06062QXG4	11/23/2016	11/23/2021	1.850	247,000.00	0.00	0.00
First National Bank MI 2 1/20/2022	32110YJT3	1/20/2017	1/20/2022	2.000	201,000.00	330.41	0.00
State Bank India NY 2.35 3/14/2022	8562846V1	3/14/2017	3/14/2022	2.350	247,000.00	0.00	0.00
Amercian Express 2.45 4/5/2022	02587DN38	4/5/2017	4/5/2022	2.450	247,000.00	0.00	0.00
Goldman Sachs NY 3.3 1/16/2024	38148P4E4	1/16/2019	1/16/2024	3.300	245,000.00	4,009.27	0.00
Merrick Bank UT 3 7/31/2023	59013J6G9	1/30/2019	7/31/2023	3.000	249,000.00	613.97	0.00
Morgan Stanley UT 3.05 1/31/2024	61690UDV9	1/31/2019	1/31/2024	3.050	246,000.00	3,720.67	0.00
Morgan Stanley NY 3.05 1/31/2024	61760AVF3	1/31/2019	1/31/2024	3.050	246,000.00	3,720.67	0.00
Capital One VA 2.65 5/22/2024	14042RLP4	5/22/2019	5/22/2024	2.650	246,000.00	0.00	0.00
Eaglebank MD 2.5 5/24/2024	27002YEN2	5/24/2019	5/24/2024	2.500	249,000.00	511.64	0.00
Sallie Mae Bank UT 1.9 10/16/2024	7954504P7	10/17/2019	10/16/2024	1.900	247,000.00	0.00	0.00
Celtic Bank UT 1.65 10/23/2024	15118RSV0	10/23/2019	10/23/2024	1.650	249,000.00	337.68	0.00
Ally Bank UT 1.85 10/24/2022	02007GML4	10/24/2019	10/24/2022	1.850	247,000.00	0.00	0.00
Enterprise Bank & Trust 1.75 11/8/2023	29367SJR6	11/8/2019	11/8/2023	1.750	249,000.00	358.15	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
Raymond James Bank 1.75 11/8/2023	75472RAH4	11/8/2019	11/8/2023	1.750	247,000.00	0.00	0.00
Third Federal Savings 1.75 11/13/2023	88413QCJ5	11/12/2019	11/13/2023	1.750	247,000.00	0.00	0.00
Garnett State Bank 1.7 11/19/2024	366526AW1	11/19/2019	11/19/2024	1.700	249,000.00	347.92	0.00
Citizens State Bank 1.7 11/22/2024	176688CR8	11/22/2019	11/22/2024	1.700	249,000.00	347.92	0.00
Marlin Business Bank UT 1.7 12/4/2023	57116ATG3	12/2/2019	12/4/2023	1.700	249,000.00	347.92	0.00
Baycoast Bank MA 0.9 3/31/2025	072727BG4	3/31/2020	3/31/2025	0.900	248,000.00	0.00	0.00
Enerbank UT 1.15 4/29/2024	29278TNY2	4/29/2020	4/29/2024	1.150	249,000.00	235.36	0.00
First Freedom Bank 1.1 4/30/2024	32027BAM9	4/30/2020	4/30/2024	1.100	249,000.00	225.12	0.00
Flagstar Bank MI 1.25 4/30/2025	33847E3A3	4/30/2020	4/30/2025	1.250	248,000.00	0.00	0.00
Apex Bank TN 0.95 5/8/2025	03753XBK5	5/8/2020	5/8/2025	0.950	249,000.00	194.42	0.00
Seattle Bank WA 0.75 6/2/2025-20	81258PKJ1	6/2/2020	6/2/2025	0.750	249,000.00	153.49	0.00
Medallion Bank UT 0.6 7/15/2025	58404DHM6	7/15/2020	7/15/2025	0.600	249,000.00	122.79	0.00
Preferred Bank CA 0.25 7/17/2023	740367LV7	7/17/2020	7/17/2023	0.250	249,000.00	51.16	0.00
Bankwell Bank CT 0.35 1/30/2024	06654BCM1	7/30/2020	1/30/2024	0.350	249,000.00	432.17	0.00
BMW Bank UT 0.5 9/25/2025	05580AXF6	9/25/2020	9/25/2025	0.500	249,000.00	0.00	0.00
BMO Harris Bank IL 0.5 3/28/2025-20	05600XAY6	9/28/2020	3/28/2025	0.500	249,000.00	0.00	0.00
First Commercial Bank MS 0.3 3/31/2025	31984GFK0	9/30/2020	3/31/2025	0.300	249,000.00	61.40	0.00
Farm Bureau Bank NV 0.25 7/9/2024	307660LK4	10/9/2020	7/9/2024	0.250	249,000.00	51.16	0.00
Texas Exchange Bank TX 0.6 12/18/2025	88241TJR2	12/18/2020	12/18/2025	0.600	249,000.00	122.79	0.00
JPMorgan Chase OH 0.5 12/29/2025-21	48128UUZ0	12/29/2020	12/29/2025	0.500	249,000.00	0.00	0.00
John Marshall Bancorp VA 0.2 12/29/2023	47804GGC1	12/30/2020	12/29/2023	0.200	249,000.00	40.93	0.00
Live Oak Banking NC 0.5 2/10/2026	538036NE0	2/10/2021	2/10/2026	0.500	249,000.00	102.33	0.00
Luana Savings Bank IA 0.2 8/19/2024	549104WN3	2/19/2021	8/19/2024	0.200	249,000.00	0.00	0.00
Homestreet Bank WA 0.1 8/22/2022	43785QPQ0	2/22/2021	8/22/2022	0.100	249,000.00	20.47	0.00
Toyota Financial Savings NV 0.95 7/29/2026	89235MLE9	7/29/2021	7/29/2026	0.950	248,000.00	0.00	0.00
Sub Total/Average					10,621,000.00	17,119.60	0.00

US Agency - No Limit

FHLB 2 11/10/2021-18	3130A9S44	11/10/2016	11/10/2021	2.000	750,000.00	0.00	0.00
FHLB 3 12/9/2022	3130AFE78	1/9/2019	12/9/2022	3.000	1,000,000.00	0.00	0.00
FAMC 3.05 9/19/2023	3132X06C0	1/9/2019	9/19/2023	3.050	500,000.00	0.00	0.00
FFCB 2.125 6/5/2023	3133EKPT7	11/8/2019	6/5/2023	2.125	500,000.00	0.00	0.00
FNMA 1.375 9/6/2022	3135G0W33	11/8/2019	9/6/2022	1.375	500,000.00	0.00	0.00
FAMC 2.15 6/5/2024	31422BGA2	11/8/2019	6/5/2024	2.150	500,000.00	0.00	0.00
FNMA 1.875 4/5/2022	3135G0T45	3/23/2020	4/5/2022	1.875	500,000.00	0.00	0.00
FHLMC 0.7 5/13/2025-21	3134GVSY5	5/13/2020	5/13/2025	0.700	500,000.00	0.00	0.00
FHLMC 0.5 5/20/2024-22	3134GVXR4	5/21/2020	5/20/2024	0.500	500,000.00	0.00	0.00
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	1,687.50	0.00
FHLMC 0.375 7/14/2023-22	3134GV5F1	7/14/2020	7/14/2023	0.375	250,000.00	468.75	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest	
FHLMC 0.4 10/23/2023-21	3134GV6D5	7/23/2020	10/23/2023	0.400	0.00	500.00	0.00	
FFCB 0.25 9/21/2023-22	3133EMAM4	9/24/2020	9/21/2023	0.250	500,000.00	0.00	0.00	
FHLMC 0.35 9/30/2024-22	3134GWVM5	9/30/2020	9/30/2024	0.350	250,000.00	0.00	0.00	
FHLMC 0.4 9/30/2025-21	3134GWVP8	9/30/2020	9/30/2025	0.400	250,000.00	0.00	0.00	
FNMA 0.54 11/3/2025-22	3135GA2G5	10/30/2020	11/3/2025	0.540	500,000.00	0.00	0.00	
FFCB 0.27 11/3/2023-22	3133EMFN7	11/3/2020	11/3/2023	0.270	250,000.00	0.00	0.00	
FNMA 0.375 8/25/2025	3135G05X7	11/12/2020	8/25/2025	0.375	250,000.00	0.00	0.00	
FHLMC 0.3 11/13/2023-22	3134GXAY0	11/13/2020	11/13/2023	0.300	250,000.00	0.00	0.00	
FNMA 0.56 11/17/2025-22	3135GA2Z3	11/17/2020	11/17/2025	0.560	325,000.00	0.00	0.00	
FNMA 0.58 11/25/2025-22	3135GA5E7	11/30/2020	11/25/2025	0.580	250,000.00	0.00	0.00	
FNMA 0.6 7/29/2025-22	3136G4D75	12/18/2020	7/29/2025	0.600	250,000.00	750.00	0.00	
FFCB 0.47 12/22/2025-22	3133EMLC4	12/22/2020	12/22/2025	0.470	250,000.00	0.00	0.00	
FFCB 0.125 5/3/2023-21	3133EMPA4	2/5/2021	5/3/2023	0.125	250,000.00	0.00	0.00	
FFCB 0.32 2/3/2025-21	3133EMPV8	2/5/2021	2/3/2025	0.320	250,000.00	0.00	0.00	
FHLB 0.625 2/24/2026-21	3130AL7M0	3/2/2021	2/24/2026	0.625	250,000.00	0.00	0.00	
FFCB 0.45 2/2/2026-23	3133EMPD8	3/2/2021	2/2/2026	0.450	300,000.00	0.00	0.00	
FFCB 0.3 11/12/2024-21	3133EMQQ8	3/2/2021	11/12/2024	0.300	250,000.00	0.00	0.00	
FFCB 0.43 3/3/2025	3133EMSJ2	3/3/2021	3/3/2025	0.430	250,000.00	0.00	0.00	
FHLB 0.6 3/10/2026-21	3130ALFX7	3/10/2021	3/10/2026	0.600	250,000.00	0.00	0.00	
FHLB 0.5 3/10/2025-21	3130ALDZ4	3/24/2021	3/10/2025	0.500	250,000.00	0.00	0.00	
FHLB 0.75 3/16/2026-21	3130ALF33	3/24/2021	3/16/2026	0.750	250,000.00	0.00	0.00	
FFCB 0.25 3/1/2024-21	3133EMSD5	3/24/2021	3/1/2024	0.250	250,000.00	0.00	0.00	
FHLMC 0.45 10/29/2025-21	3134GW3J3	4/22/2021	10/29/2025	0.450	250,000.00	0.00	0.00	
FHLMC 1.03 4/29/2026-22	3130ALZM9	4/29/2021	4/29/2026	1.030	250,000.00	0.00	0.00	
FNMA 0.5 8/14/2025-23	3135G05S8	4/29/2021	8/14/2025	0.500	250,000.00	0.00	0.00	
FHLMC 0.65 10/27/2025-21	3134GW5R3	5/25/2021	10/27/2025	0.650	375,000.00	0.00	0.00	
FHLB 0.875 5/26/2026-21	3130AMHB1	5/28/2021	5/26/2026	0.875	250,000.00	0.00	0.00	
FFCB 0.53 9/29/2025-21	3133EMBH4	6/17/2021	9/29/2025	0.530	500,000.00	0.00	0.00	
FFCB 0.9 6/15/2026-22	3133EMH21	6/17/2021	6/15/2026	0.900	250,000.00	0.00	0.00	
FFCB 0.6 6/16/2025-22	3133EMH47	6/17/2021	6/16/2025	0.600	250,000.00	0.00	0.00	
Sub Total/Average					14,500,000.00	3,406.25	0.00	
US Treasury - No Limit								
T-Note 0.25 6/30/2025 T-Note 0.375	912828ZW3	4/22/2021	6/30/2025	0.250	250,000.00	0.00	0.00	
1/31/2026 T-Note 0.375 4/30/2025	91282CBH3	4/29/2021	1/31/2026	0.375	250,000.00	468.75	0.00	
	912828ZL7	7/1/2021	4/30/2025	0.375	250,000.00	0.00	0.00	
Sub Total/Average					750,000.00	468.75	0.00	
US Bank MM Custody Policy 50%								
US Bank Custodian MM	MM65000	7/31/2020	5	N/A	N/A	2,420,849.81	2.56	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
Sub Total/Average					2,420,849.81	2.56	0.00
Pacific Premier Bank Policy - n/a							
Pacific Premier Bank Checking Cash	MM0831	5/28/2020	N/A	N/A	11,264,160.46	0.00	0.00
Sub Total/Average					11,264,160.46	0.00	0.00
Total / Average					40,396,998.03	21,357.23	0.00

Mesa Water District
Portfolio Holdings
Investment Report | PARS Trust
Report Format: By CUSIP / Ticker
Group By: Portfolio Name
Average By: Market Value
Portfolio / Report Group: PARS OPEB Trust
As of 7/31/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS OPEB Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	4,670.94	114,767.04	172,076.77
DFA Large Cap	233203868	Mutual Fund	4,560.12	103,277.31	125,311.69
Dodge & Cox International	256206103	Mutual Fund	1,293.68	49,702.02	62,069.58
Dodge & Cox Stock Fund	256219106	Mutual Fund	619.69	112,190.93	147,493.62
Doubeline Core Fix Income	258620301	Mutual Fund	10,679.86	117,910.29	119,507.50
Harbor Capital Appreciation	411512528	Mutual Fund	798.71	63,158.35	93,832.10
Hartford Schroders	41665X859	Mutual Fund	7,328.59	122,666.61	150,529.39
iShares Russell Mid Cap	464287499	Mutual Fund	1,550.00	42,150.69	123,752.00
iShares SP500	464287408	Mutual Fund	463.00	60,246.99	68,899.03
MFS International	552746356	Mutual Fund	1,347.39	41,763.06	62,087.87
PGIM Total Return Bond	74440B884	Mutual Fund	8,079.46	118,763.66	119,979.04
PIMCO	693390841	Mutual Fund	3,063.00	27,665.06	27,873.30
Pimco Total Return Fund	693390700	Mutual Fund	11,465.53	120,689.52	120,044.08
Price T Rowe Growth	741479406	Mutual Fund	819.81	55,625.92	93,631.97
Undiscovered	904504479	Mutual Fund	1,452.97	90,115.25	116,877.24
US Bank PARS - OPEB Trust MM	MM4900	Money Market	21,341.77	21,341.77	21,341.77
Vanguard Growth & Income	921913208	Mutual Fund	3,034.23	226,715.51	334,252.42
Vanguard Real Estate	922908553	Mutual Fund	408.00	33,603.21	43,366.32
Vanguard Short Term	922031836	Mutual Fund	4,591.26	49,819.98	50,457.75
Victory RS	92647Q363	Mutual Fund	1,143.15	104,527.45	114,545.03
Sub Total / Average PARS OPEB Trust			88,711.16	1,676,700.62	2,167,928.47
Total / Average			88,711.16	1,676,700.62	2,167,928.47

Mesa Water District
Portfolio Holdings
Investment Report | PARS Trust
Report Format: By CUSIP / Ticker
Group By: Portfolio Name
Average By: Market Value
Portfolio / Report Group: PARS Pension Trust
As of 7/31/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS Pension Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	35,917.45	932,292.49	1,323,198.47
DFA Large Cap	233203868	Mutual Fund	35,078.88	787,194.59	963,967.58
Dodge & Cox International	256206103	Mutual Fund	9,950.36	410,488.61	477,418.32
Dodge & Cox Stock Fund	256219106	Mutual Fund	4,766.45	894,628.60	1,134,460.86
Doubeline Core Fix Income	258620301	Mutual Fund	82,119.30	902,035.79	918,914.69
Harbor Capital Appreciation	411512528	Mutual Fund	6,141.64	491,299.26	721,521.39
Hartford Schroders	41665X859	Mutual Fund	56,263.82	921,505.30	1,155,659.06
iShares Russell Mid Cap	464287499	Mutual Fund	11,925.00	183,584.37	952,092.00
iShares SP500	464287408	Mutual Fund	3,561.00	464,661.86	529,912.41
MFS International	552746356	Mutual Fund	10,358.13	347,654.56	477,303.47
PGIM Total Return Bond	74440B884	Mutual Fund	61,989.62	905,380.05	920,546.21
PIMCO	693390841	Mutual Fund	23,554.70	212,638.14	214,347.78
Pimco Total Return Fund	693390700	Mutual Fund	88,007.35	917,676.11	921,436.96
Price T Rowe Growth	741479406	Mutual Fund	6,303.93	442,658.70	719,973.22
Undiscovered	904504479	Mutual Fund	11,184.04	686,545.31	899,643.86
US Bank PARS - Pension Trust MM	MM4901	Money Market	92,672.97	92,672.97	92,672.97
Vanguard Growth & Income	921913208	Mutual Fund	23,332.11	1,779,992.88	2,570,265.13
Vanguard Real Estate	922908553	Mutual Fund	3,140.00	249,690.10	333,750.60
Vanguard Short Term	922031836	Mutual Fund	35,260.59	381,522.83	387,513.63
Victory RS	92647Q363	Mutual Fund	8,788.60	793,598.93	880,619.83
Sub Total / Average PARS Pension Trust			610,315.94	12,797,721.45	16,595,218.44
Total / Average			610,315.94	12,797,721.45	16,595,218.44

Mesa Water District
Transactions Summary
Monthly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS OPEB Trust
Begin Date: 06/30/2021, End Date: 07/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
PIMCO	693390841	0.000	7/26/2021	N/A	216.834	1,975.36	0.00	1,975.36
Hartford Schroders	41665X859	0.000	7/26/2021	N/A	580.319	11,844.32	0.00	11,844.32
iShares SP500	464287408	0.000	7/26/2021	N/A	40.00	5,910.20	0.00	5,910.20
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	2.00	211.57	0.00	211.57
DFA Large Cap	233203868	0.000	7/26/2021	N/A	1,283.251	35,186.74	0.00	35,186.74
Undiscovered	904504479	0.000	7/26/2021	N/A	202.518	16,073.85	0.00	16,073.85
Dodge & Cox Stock Fund	256219106	0.000	7/26/2021	N/A	48.861	11,618.15	0.00	11,618.15
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	19.289	201.96	0.00	201.96
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	700.347	7,311.62	0.00	7,311.62
Dodge & Cox International	256206103	0.000	7/26/2021	N/A	127.569	6,120.74	0.00	6,120.74
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	17.073	253.53	0.00	253.53
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	401.006	5,942.91	0.00	5,942.91
MFS International	552746356	0.000	7/26/2021	N/A	72.685	3,329.70	0.00	3,329.70
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	5.731	62.98	0.00	62.98
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	361.52	3,969.49	0.00	3,969.49
Victory RS	92647Q363	0.000	7/26/2021	N/A	56.502	5,585.76	0.00	5,585.76
Doubeline Core Fix Income	258620301	0.000	7/26/2021	N/A	761.937	8,533.69	0.00	8,533.69
iShares Russell Mid Cap	464287499	0.000	7/26/2021	N/A	77.00	6,121.12	0.00	6,121.12
Sub Total / Average Buy					4,974.442	130,253.69	0.00	130,253.69
Dividend								
DFA Large Cap	233203868	0.000	7/1/2021	N/A	0.00	0.00	885.96	885.96
PIMCO	693390841	0.000	7/31/2021	N/A	0.00	0.00	101.06	101.06
Pimco Total Return Fund	693390700	0.000	7/31/2021	N/A	0.00	0.00	201.96	201.96
PGIM Total Return Bond	74440B884	0.000	7/31/2021	N/A	0.00	0.00	253.53	253.53
Vanguard Short Term	922031836	0.000	7/31/2021	N/A	0.00	0.00	62.98	62.98
Doubeline Core Fix Income	258620301	0.000	7/31/2021	N/A	0.00	0.00	262.59	262.59
Sub Total / Average Dividend					0.00	0.00	1,768.08	1,768.08
Sell								
Vanguard Growth & Income	921913208	0.000	7/26/2021	N/A	57.77	6,406.23	0.00	6,406.23
Columbia Contrarian Fund	19766M709	0.000	7/26/2021	N/A	110.72	4,113.25	0.00	4,113.25
Price T Rowe Growth	741479406	0.000	7/26/2021	N/A	29.63	3,452.13	0.00	3,452.13
Harbor Capital Appreciation	411512528	0.000	7/26/2021	N/A	57.47	6,866.97	0.00	6,866.97
Sub Total / Average Sell					255.59	20,838.58	0.00	20,838.58

Mesa Water District
Transactions Summary
Monthly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS Pension Trust
Begin Date: 06/30/2021, End Date: 07/31/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
PIMCO	693390841	0.000	7/26/2021	N/A	310.942	2,832.68	0.00	2,832.68
Hartford Schroders	41665X859	0.000	7/26/2021	N/A	1,147.63	23,423.12	0.00	23,423.12
iShares SP500	464287408	0.000	7/26/2021	N/A	106.00	15,662.03	0.00	15,662.03
DFA Large Cap	233203868	0.000	7/26/2021	N/A	8,318.19	228,084.69	0.00	228,084.69
Undiscovered	904504479	0.000	7/26/2021	N/A	972.038	77,150.64	0.00	77,150.64
Dodge & Cox Stock Fund	256219106	0.000	7/26/2021	N/A	118.162	28,096.52	0.00	28,096.52
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	538.304	5,619.89	0.00	5,619.89
Dodge & Cox International	256206103	0.000	7/26/2021	N/A	427.326	20,503.09	0.00	20,503.09
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	854.996	9,387.86	0.00	9,387.86
Doubeline Core Fix Income	258620301	0.000	7/26/2021	N/A	1,123.59	12,584.26	0.00	12,584.26
Sub Total / Average Buy					13,917.178	423,344.78	0.00	423,344.78
Dividend								
DFA Large Cap	233203868	0.000	7/1/2021	N/A	0.00	0.00	7,235.29	7,235.29
PIMCO	693390841	0.000	7/31/2021	N/A	0.00	0.00	815.80	815.80
Pimco Total Return Fund	693390700	0.000	7/31/2021	N/A	0.00	0.00	1,625.93	1,625.93
PGIM Total Return Bond	74440B884	0.000	7/31/2021	N/A	0.00	0.00	2,045.55	2,045.55
Vanguard Short Term	922031836	0.000	7/31/2021	N/A	0.00	0.00	507.42	507.42
Doubeline Core Fix Income	258620301	0.000	7/31/2021	N/A	0.00	0.00	2,144.51	2,144.51
Sub Total / Average Dividend					0.00	0.00	14,374.50	14,374.50
Sell								
Vanguard Growth & Income	921913208	0.000	7/26/2021	N/A	1,784.15	197,844.39	0.00	197,844.39
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	42.00	4,440.00	0.00	4,440.00
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	59.00	6,237.15	0.00	6,237.15
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	72.00	7,611.44	0.00	7,611.44
Columbia Contrarian Fund	19766M709	0.000	7/26/2021	N/A	3,132.38	116,367.95	0.00	116,367.95
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	288.81	4,280.13	0.00	4,280.13
MFS International	552746356	0.000	7/26/2021	N/A	51.95	2,379.92	0.00	2,379.92
Price T Rowe Growth	741479406	0.000	7/26/2021	N/A	633.07	73,752.31	0.00	73,752.31
Victory RS	92647Q363	0.000	7/26/2021	N/A	86.87	8,587.57	0.00	8,587.57
Harbor Capital Appreciation	411512528	0.000	7/26/2021	N/A	850.43	101,618.00	0.00	101,618.00
iShares Russell Mid Cap	464287499	0.000	7/26/2021	N/A	104.00	8,260.15	0.00	8,260.15
Sub Total / Average Sell					7,104.66	531,379.01	0.00	531,379.01



MONTHLY COMMITTEE

Major Staff Projects

Title	Comments	Status
Human Resource Information System/Payroll System	Human Resource Information System/Payroll System	In Process
Audit	Fiscal Year End 2021	In Process
Water Rate Study	Water Rate Study	In Process



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: September 28, 2021
SUBJECT: State Advocacy Update

RECOMMENDATION

Receive and file the State Advocacy Update.

STRATEGIC PLAN

Goal #7: Actively participate in regional and statewide water issues.

PRIOR BOARD ACTION/DISCUSSION

This item is provided at the monthly Board of Directors Committee meeting.

DISCUSSION

An updated State Advocacy report will be provided at the September 28, 2021 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$39,920 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: September 28, 2021
SUBJECT: Orange County Update

RECOMMENDATION

Receive and file the Orange County Update.

STRATEGIC PLAN

Goal #7: Actively participate in regional and statewide water issues.

PRIOR BOARD ACTION/DISCUSSION

This item is provided at the monthly Board of Directors Committee meeting.

DISCUSSION

Mesa Water District's (Mesa Water®) government relations program includes monitoring local and regional political issues and policy-setting authorities (i.e., County of Orange, Orange County Local Agency Formation Commission, etc.). An updated Orange County report will be provided at the September 28, 2021 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$39,920 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Celeste Carrillo, Public Affairs Coordinator
DATE: September 28, 2021
SUBJECT: Outreach Update

RECOMMENDATION

Receive and file the Outreach Update.

STRATEGIC PLAN

Goal #4: Increase public awareness about Mesa Water and about water.
Goal #6: Provide outstanding customer service.
Goal #7: Actively participate in regional and statewide water issues.

PRIOR BOARD ACTION/DISCUSSION

This item is provided at the monthly Board of Directors Committee meeting.

DISCUSSION

Mesa Water District's (Mesa Water®) outreach program aims to connect Mesa Water with its constituents in order to achieve Goal #4 of the Board of Directors' (Board) Strategic Plan. Outreach activities are also designed to achieve the Strategic Plan goals related to customer service and/or regional water issues involvement by educating and informing the District's constituents about Mesa Water, water issues, and water in general. Mesa Water's constituents include external audiences, such as customers, community members, elected officials, industry colleagues, media, water districts and special districts – as well as internal audiences, such as staff, retirees and Board members.

Upcoming Fiscal Year 2022 Events

No Upcoming Events

The benefits of Mesa Water's outreach program include:

- Informing constituents about Southern California's perpetual drought, the historical drought facing California, and the importance of developing local and cost-effective sources of safe, reliable water for Mesa Water's service area and the region at large;
- Educating constituents about the importance of water and water stewardship, in order to sustain Southern California's population, quality of life, business, and economy;
- Educating constituents about Mesa Water's stewardship of ratepayer funds and financial responsibility to fund, invest in, and save for the current and future provision of safe and reliable water for the District's service area;
- Informing constituents of the District's infrastructure improvements to ensure water quality and water reliability for its service area;



- Learning from constituents and evolving as a well-informed Board of Directors;
- Promoting water use efficiency to Mesa Water's customers and community members to help them save water, money, and the environment;
- Ensuring, for public health and safety reasons, that Mesa Water customers and community members identify the District as their water provider and as the source of information about water in emergency situations;
- Supporting Mesa Water's service area as an actively involved participant in programs that provide added value and benefits to the community;
- Informing the media of Mesa Water's activities that benefit the District's customers and community;
- Empowering Mesa Water's Board and staff with information that will help them provide the best possible service to the District's customers and community members; and,
- Strengthening Mesa Water's industry relations to provide opportunities for improving the District's business and operations -- including the areas of financial and human resources strength, infrastructure and technological innovation, and setting/supporting policies that have a positive impact on Mesa Water's service area -- so that the District can continue to provide safe, high-quality, reliable, and affordable water to its customers.

FINANCIAL IMPACT

In Fiscal Year 2022, \$590,920 is budgeted for Public Affairs Support Services; \$58,820 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: September 28, 2021
SUBJECT: Water Futures

RECOMMENDATION

Receive the presentation.

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.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

In December 2020, a new investment vehicle named water futures was introduced on the Chicago Mercantile Exchange (CME). It is a futures contract on water prices, which have a potential to fluctuate significantly because of droughts and limited water supply.

Expert representatives from WestWater Research, Nasdaq and StoneX will provide a presentation on the Nasdaq Veles California Water Index (NQH2O) and the associated financially-settled futures contract that is listed on the CME at the September 28, 2021 meeting.

A WestWater Research representative will provide a high-level summary of: the California water transfer market; the work they do to systematically gather the price and volume information of those transfers; and the process by which they validate and normalize that data for delivery to Nasdaq.

A representative from Nasdaq will provide a summary of the index methodology and the relationship between the historical performance of the NQH2O Index and changes in hydrologic conditions in California. The representative will also provide specifications of the financially-settled futures contract that is benchmarked to the NQH2O Index, as well as a brief synopsis of the activity that has been observed in the NQH2O futures market thus far.

The presentation will conclude with a walk-through of an illustrative example of how Mesa Water District (Mesa Water®) might consider utilizing the futures contract in their day-to-day operations and offering context for the potential impact that Mesa Water's participation might have on the market.

FINANCIAL IMPACT

There is no financial impact for the discussion of this matter.



ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Andrew D. Wiesner, P.E., Principal Engineer
DATE: September 28, 2021
SUBJECT: Capital Improvement Program Renewal Quarterly Update

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

Goal #1: Provide a safe, abundant, and reliable water supply
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 March 12, 2020 meeting, the Board approved the proposed Capital Improvement Program Renewal (CIPR).

At its May 14, 2020 meeting, the Board awarded contracts to six consulting firms to provide on-call professional design services to support the CIPR effort.

At its August 13, 2020 meeting, the Board awarded contracts to five consulting firms to provide on-call professional construction management and inspection services to support the CIPR effort.

At its August 25, 2020 Committee meeting, the Board received a presentation that highlighted the CIPR program update.

At its May 13, 2021 meeting, the Board received a presentation that provided an update for the CIPR program.

BACKGROUND

In 2014, Mesa Water District (Mesa Water®) updated its Water Master Plan (Master Plan). The Capital Improvement Plan (CIP) identified \$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 future water supply needs to meet future population growth and continued 100% local reliability. Project prioritization was defined and assigned in the following three categories:

- Priority 1: 0-5 years



- Priority 2: 6-10 years
- Priority 3: >10 years

Priority 1 projects included the Well Automation Project, Reservoir Nos. 1 and 2 Silencer and Roof Replacements, OC-44 Pipeline Rehabilitation, Imported Water Turnout Meter Replacements, and implementation of a Pipeline Integrity Testing Program to identify remaining useful life of Mesa Water's pipeline infrastructure. Another key Priority 1 project identified the need for Mesa Water to provide 115% of its peak demands from the principal ground water aquifer. Some of the Priority 2 and 3 projects include the replacement of aging distribution system pipelines identified through the Pipeline Integrity Testing Program, refurbishment of pipeline cathodic protection, reservoir natural gas engine replacements, and abandonment of end-of-life imported water metering vaults. With many of the Priority 1 projects completed or in progress, Mesa Water is focusing on the Priority 2 and 3 projects.

At the March 12, 2020 Board meeting, a proposed \$70MM Capital Improvement Program Renewal was presented to the Board that outlined the main capital replacement programs, costs, and schedules. The Board approved the proposed CIPR and instructed staff to proceed with funding options. At the May 14, 2020 Board meeting, the Board approved staff to solicit Certificates of Participation (COPs) funding to undertake the CIPR.

DISCUSSION

Capital Improvement Program Renewal

Mesa Water's CIPR initiative is divided into five main programs: 1) Wells, 2) Reservoirs, 3) Distribution, 4) Routine Capital, and 5) District Facilities. The CIPR is scheduled to span across fiscal years 2020 through 2023. The following is an update for each of the aforementioned programs and projects:

Wells Program

The Wells Program has one main project, as outlined below

Chandler & Croddy Wells and Pipeline Project

The Wells Program is a key initiative for Mesa Water to maintain its ability to serve its customers' water demands with 100% local groundwater supplies and achieve the Board's goal of being able to supply 115% of demands in any season. Two new wells will be constructed on two commercial properties purchased in the City of Santa Ana along with approximately 4,600 feet of pipeline to connect to Mesa Water's distribution system.

Status

The Chandler & Croddy Wells and Pipeline Project is being constructed in four phases:

- **Demolition:** Hazardous material abatement and demolition of the existing commercial buildings at both sites was completed in October 2020.
- **Well Drilling:** The Chandler and Croddy Well Drilling was completed in June 2021. The drilling project resulted in the construction of two wells that are expected to produce 4,000 gallons per minute each and meet all drinking water quality standards.
- **Well Equipping/Site Work:** The Well Equipping Contractor mobilized in May 2021. The

contractor is currently constructing the underground portions of the work and chemical containment facilities at both the Chandler and Croddy sites.

- **Pipeline Construction:** A contract was awarded for the pipeline construction in April 2021. The contractor has been working on submittals and material procurement. In August 2021, the contractor began their pre-construction activities by positively locating buried utilities along the pipeline route.



Figure 1. Chandler Well No. 12 Demolition



Figure 2. Croddy Well No. 14 Demolition



Figure 3. Chandler Well No. 12 Drilling



Figure 4. Croddy Well No. 14 Drilling



Figure 5. Chandler Well No. 12 Well Equipping

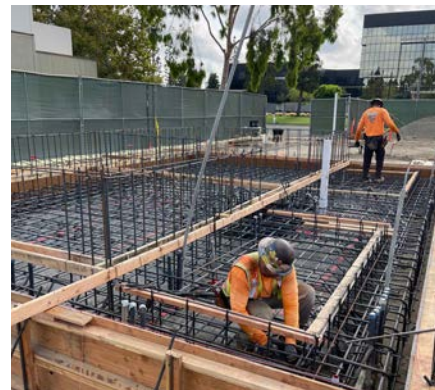


Figure 6. Croddy Well No. 14 Well Equipping



Schedule

The Well Program is currently on schedule with completion scheduled for April 2022. The baseline and current project schedule for the Wells Program is shown on Figure 7.

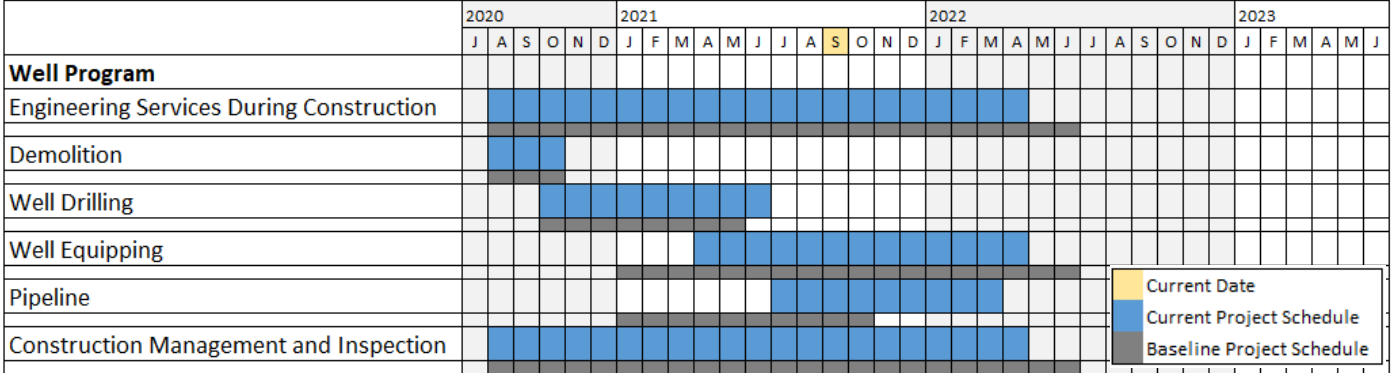


Figure 7 – Well Program Schedule

Budget

For the CIPR, \$21,698,000 is budgeted for the Wells Program, \$4,710,000 has been spent to date. The current budget status is shown on Figure 8.

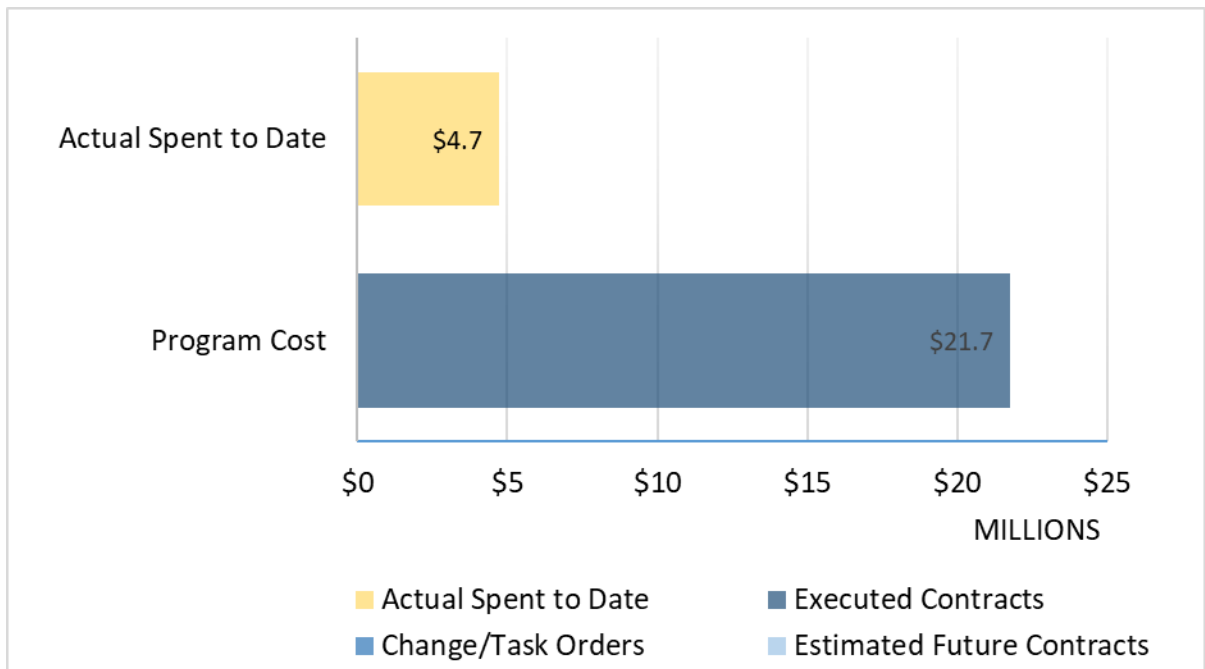


Figure 8. Well Program Budget Status

Reservoir Program

The Reservoirs Program has three main projects:

1. Water, Power, and Supply Chain Reliability Assessment
2. Real-Time Chemical Management Systems Project
3. Reservoirs 1 and 2 Pump Station Upgrades Project.

A program update is provided below.

Water, Power, and Supply Chain Reliability Assessment

This project assessed the District’s water and power supply reliability and identified potential gaps to maintain 115% of Mesa Water’s demands using local groundwater supplies. This project also assessed Mesa Water’s supply chain reliability during an emergency event and identified potential gaps in supplies, services, and single points of failure. Recommended mitigation approaches (e.g., back-up power requirements, energy drive systems, emergency resources and equipment, etc.) and associated costs were provided in a series of three technical memos. Recommendations from this assessment are being integrated into the Reservoir and other programs as related.

Status

The Water, Power, and Supply Chain Reliability Assessment was awarded to a CIPR on-call design Consultant and the kick-off meeting was held in July 2020. The recommendations of the Water, Power, and Supply Chain Reliability Assessment were approved by the Board at the March 23, 2021 Committee meeting and were used to develop a design scope of work for the Reservoirs 1 and 2 Upgrades Project. The other Supply Chain Reliability Assessment elements of work (e.g., bulk fuel storage, emergency spare parts storage, etc.) will be performed in future capital program budget years.

Real-Time Chemical Management Systems Project

This project will provide real-time chemical management systems at Reservoirs 1 and 2. Real-time chemical management is critical to ensure stable chlorine disinfection residuals are maintained in the reservoirs and distribution system.

Status

Design was initiated in FY 2018 and is complete. The Real-Time Chemical Management Systems Project will be bid and constructed along with the Reservoirs 1 and 2 Pump Station Upgrades Project.

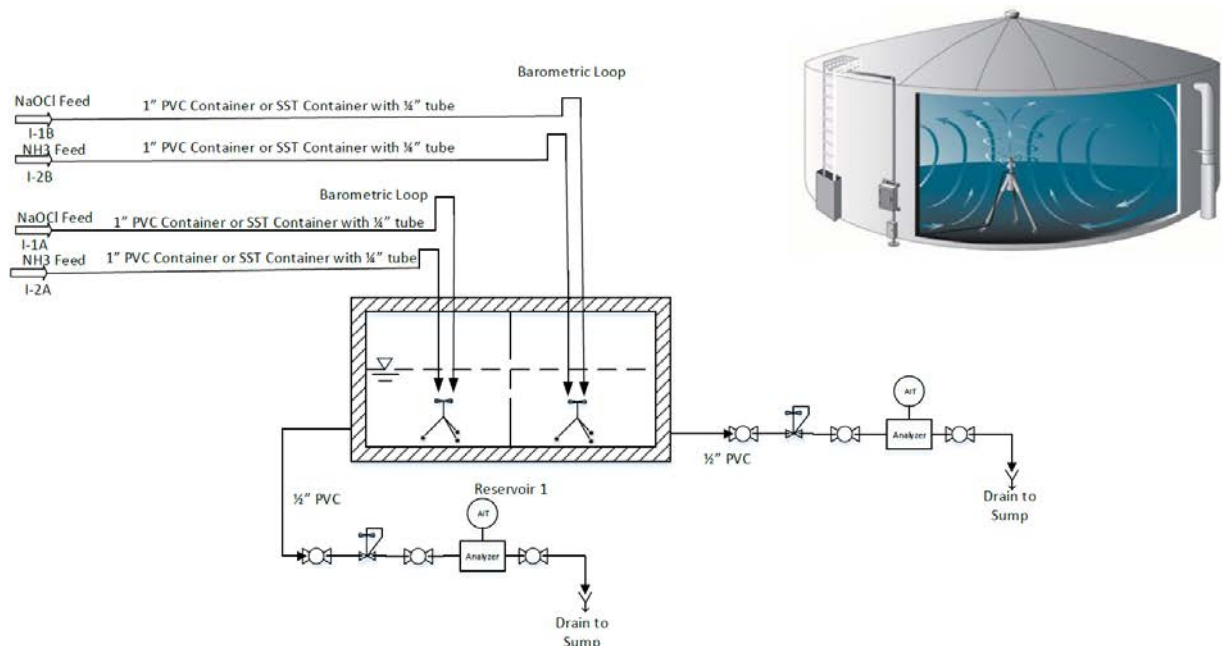


Figure 9. Reservoir Real-Time Chemical Management System Schematic

Reservoirs 1 and 2 Pump Station Upgrades Project

The Reservoirs 1 and 2 Pump Station Upgrades Project has several components to increase the efficiency and reliability of Reservoirs 1 and 2:

1. Chemical storage and feed systems (sodium hypochlorite and aqueous ammonia) to help reduce nitrification issues in the distribution system.
2. Pump replacement and conversion of drivers from gas engines to electrical motors.
3. Upgrades to the reservoir electrical service through SCE.
4. Installation of diesel generator systems to power the reservoirs in the event of an emergency.
5. Miscellaneous system rehabilitation and upgrades including electrical gear replacement, pipeline rehabilitation, pipeline modifications, and instrument replacement based on the results of site visits and related analyses.
6. Slurry Dewatering Pit upgrades located at the Reservoir 1 site.

Status

The project's Preliminary and Final Design kicked off in May 2021 and the project's Preliminary Design Report was delivered in September 2021. The design team is currently working toward the 60% Design Submittal.

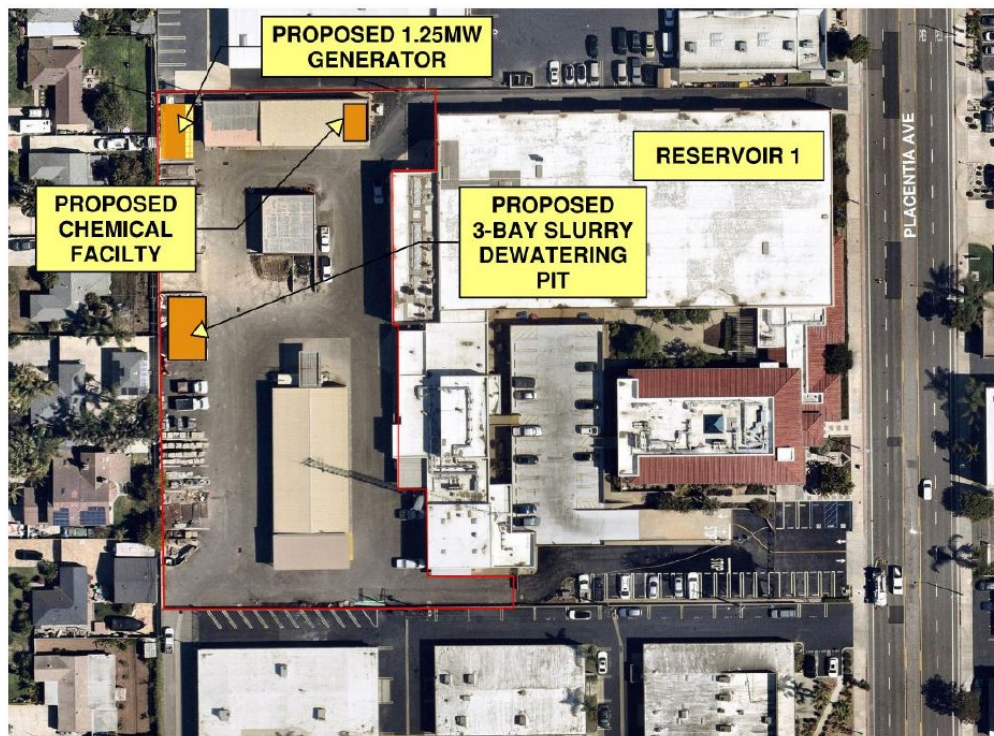


Figure 10. Reservoir 1 Proposed Site Layout



Figure 11. Reservoir 2 Proposed Site Layout

Schedule

The Reservoir Program is currently on schedule with completion scheduled for June 2023. The baseline and current project schedule for the Reservoir Program is shown on Figure 12.

	2020				2021				2022				2023											
	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Reservoir Program																								
Water, Power, and Supply Chain Reliability Assessment																								
Real-Time Chemical Management Systems Project																								
Reservoirs 1 and 2 Pump Station Upgrades Project																								

Legend:

- Current Date
- Current Project Schedule
- Baseline Project Schedule

Figure 12 – Reservoir Program Schedule

Budget

For the CIPR, \$10,500,000 is budgeted for the Reservoir Program, \$406,000 has been spent to date. The current budget status is shown on Figure 13.

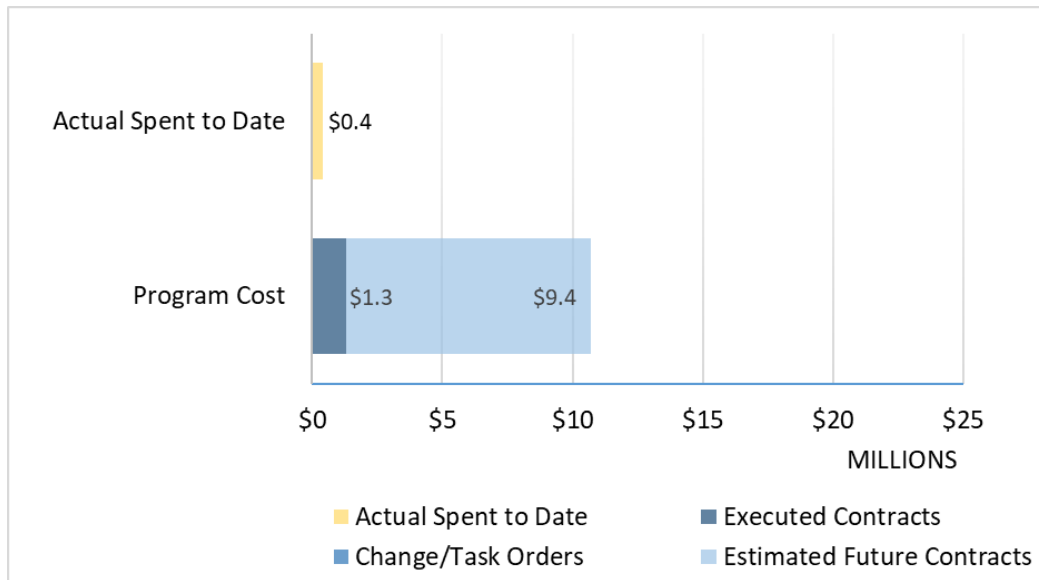


Figure 13. Reservoir Program Budget Status

Distribution Program

The Distribution Program has five main projects:

1. Wilson Street Pipeline Replacement Project
2. 1951 Cohort Pipeline Replacement Project
3. Vault Rehabilitation and Abandonment Project
4. Mainline Valve Replacement Project
5. Plastic Service Line Replacement Project

A program update is provided below.

Wilson Street Pipeline Replacement Project

This project will replace approximately 4,600 feet of 12-inch cement mortar lined and coated (CMLC) steel pipeline from Harbor Blvd. to Newport Blvd. Work will also include replacement of fire hydrants, service laterals, and mainline valves. This work is being moved forward in the CIPR schedule to coordinate the repaving effort of Wilson Avenue with the City of Costa Mesa Public Works Department.

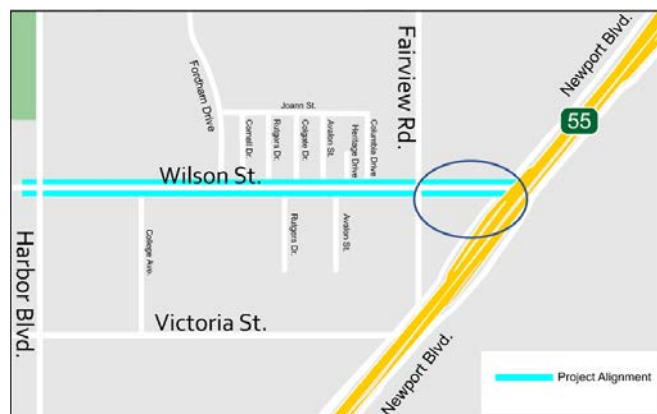


Figure 14. Wilson Street Pipeline Replacement Project

Status

The Final Design for the project was completed in March 2021 and a Request for Bids was sent out the same month. The notice to proceed was given to the selected contractor in August 2021. The contractor has completed their preliminary site investigation by positively locating utilities within the pipeline route. Installation of the 12-inch PVC line is scheduled to begin at the end of September 2021.



Figure 15. Wilson Street Pipeline Replacement Project Positive Utility Location.

1951 Cohort Pipeline Replacement Project

This project will replace several existing 4-inch through 8-inch CMLC steel pipelines located in Wallace Ave., Meyer Pl., Maple Ave., Anaheim Ave., Bernard St., Harbor Bl., 19th St., Parsons St., West Bay St., Miner St., College St., Avocado St., and Fairview Rd. in the City of Costa Mesa. The 1951 Cohort Pipeline Replacement Project consists of abandoning approximately 22,085 linear feet (LF) of existing pipelines in the streets listed and replacing them with new pipelines.

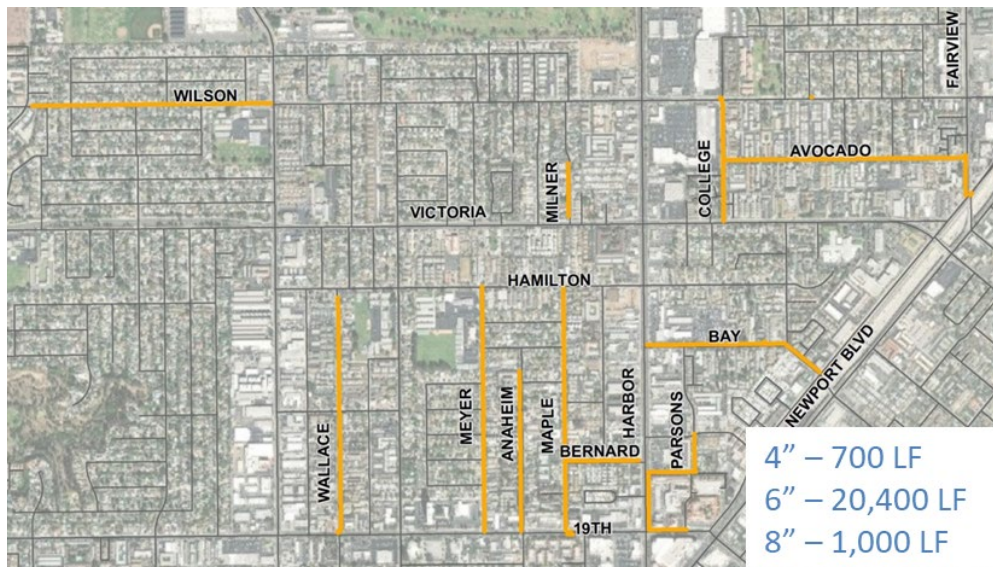


Figure 16. 1951 Cohort Pipeline Replacement Project

Status

The Preliminary and Final Design for the 1951 Cohort Pipeline Replacement Project was kicked off in February 2021. The design team delivered Technical Memorandum No. 1 – Pipeline Alignment Options and Recommendations and the Preliminary Design Report in July 2021 and is currently developing plans for positive utility location and the 50% Design Submittal.

Vault Rehabilitation and Abandonment Project

This project will rehabilitate one of Mesa Water’s larger divisional valve vaults along the OC-44 pipeline and abandon three unused turn-outs and three unused pressure relief stations. Rehabilitation work includes replacement of valves and piping and addition of ventilation fans, lighting, and re-coating of vault interiors.

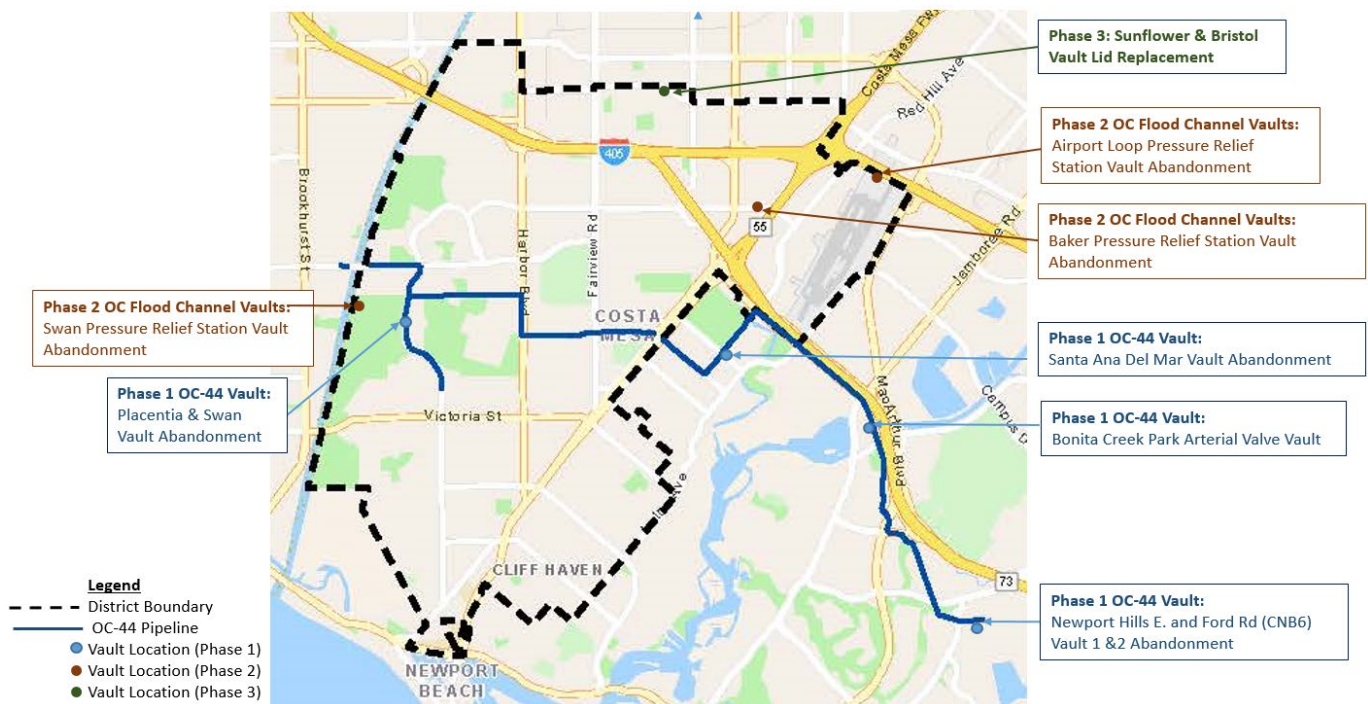


Figure 17. Vault Rehabilitation and Abandonment Project Scope of Work

Status

Project Preliminary and Final Design was kicked off in September 2020. The Final Design was completed in August 2021 and put out to bid. Bids were received in September 2021 and construction is scheduled to begin in October 2021. The construction project is on an accelerated schedule in order to return the OC-44 pipeline to service by December 1, 2021. The return to service date was requested by the City of Huntington Beach to help manage their water supply as another of their imported water connections will be shut down in December 2021 due to the I-405 construction project.

Mainline Valve Replacement Project

This project will replace or abandon approximately 160 mainline valves that have been identified as inoperable through the routine valve maintenance program and in accordance with the District’s Mainline Valve Spacing Policy. Additionally, this project assessed Mesa Water’s existing valve spacing based on AWWA standards and population levels of service. This analysis helped

Mesa Water develop a valve spacing standard that will enable field crews to perform repair and maintenance work while minimizing service outages and impacts to Mesa Water’s customers.

Status

Following the adoption of the Mainline Valve Spacing Policy, a scope of work was developed for the replacement or abandonment of the mainline valves. This project will be delivered in two phases. The design team has delivered the 50% design for both Phase 1 and Phase 2 and is currently developing the 90% Design for Phase 1. The Phase 1 and Phase 2 construction projects are scheduled to start in January 2022 and May 2022, respectively.

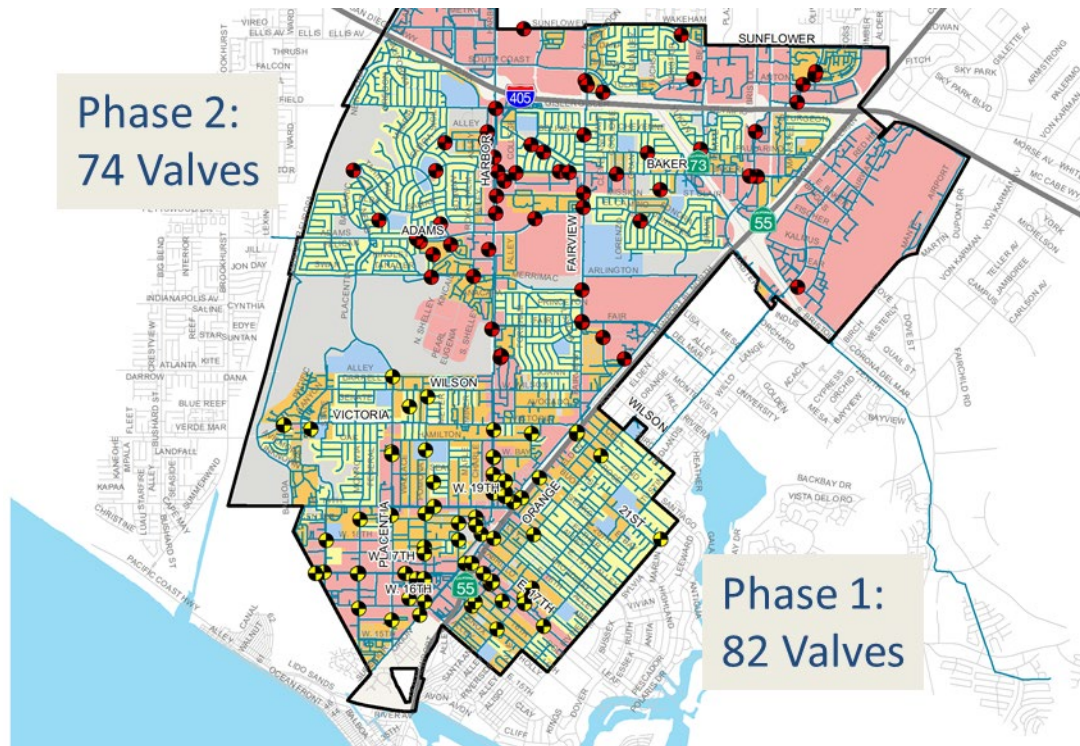


Figure 18. Phase 1 and 2 Valve Replacement Map

Plastic Service Line Replacement Project

This project will replace 1-inch and 2-inch plastic service lines that were originally installed in 1974 along Shasta Lane, Rainier Way, Whitney Way, Lassen Lane, Rhine Lane, Thames Way, Skyview Lane, Lakeview Lane, and Brookview Way. An increasing number of responsive repairs are made to these service lines each year indicating their need for replacement.

Status

A Request for Proposals was solicited from CIPR on-call design firms in August 2021. The preliminary and final design for the project is scheduled to kick off in October 2021

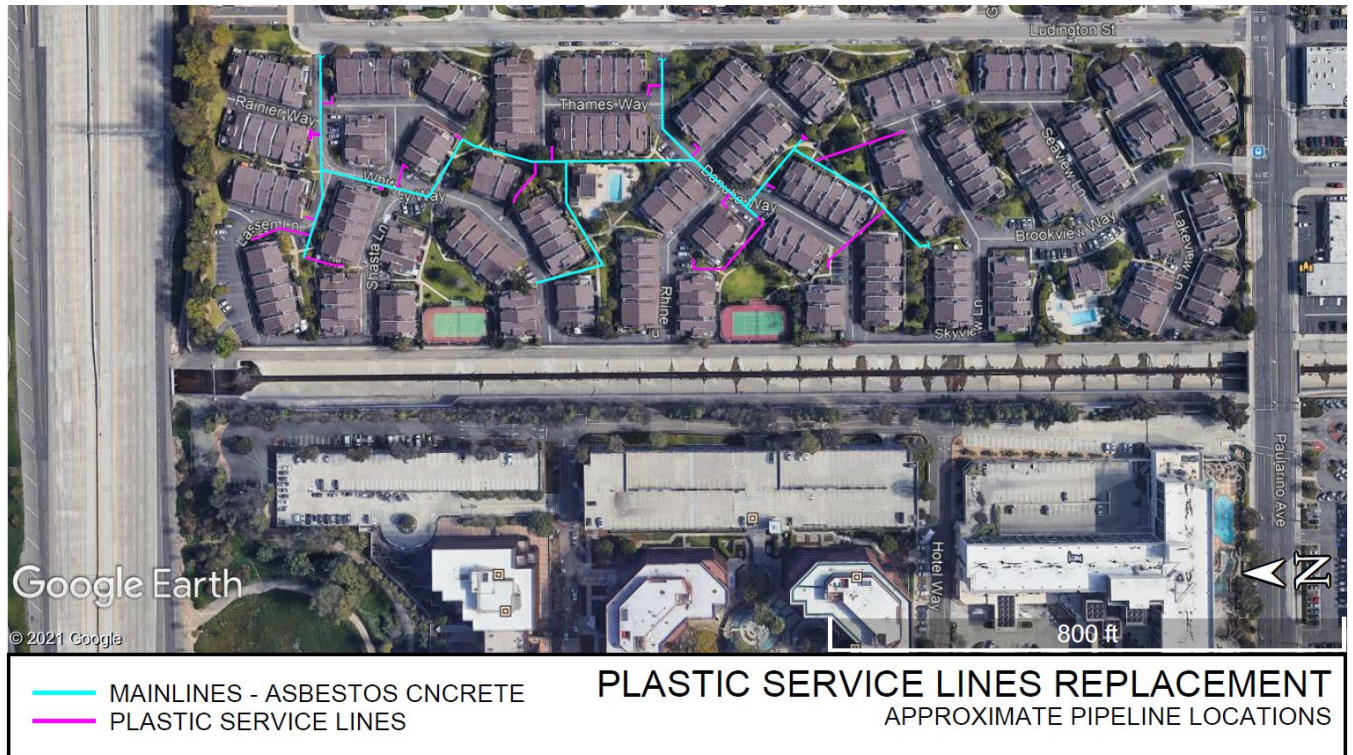


Figure 19. Plastic Service Line Replacement Map

Schedule

The Distribution Program is currently on schedule with completion scheduled for June 2023. However, the Vault Rehabilitation and Abandonment Project and the Mainline Valve Replacement Project are currently four months behind their baseline schedule. The baseline and current project schedule for the Distribution Program is shown on Figure 20.

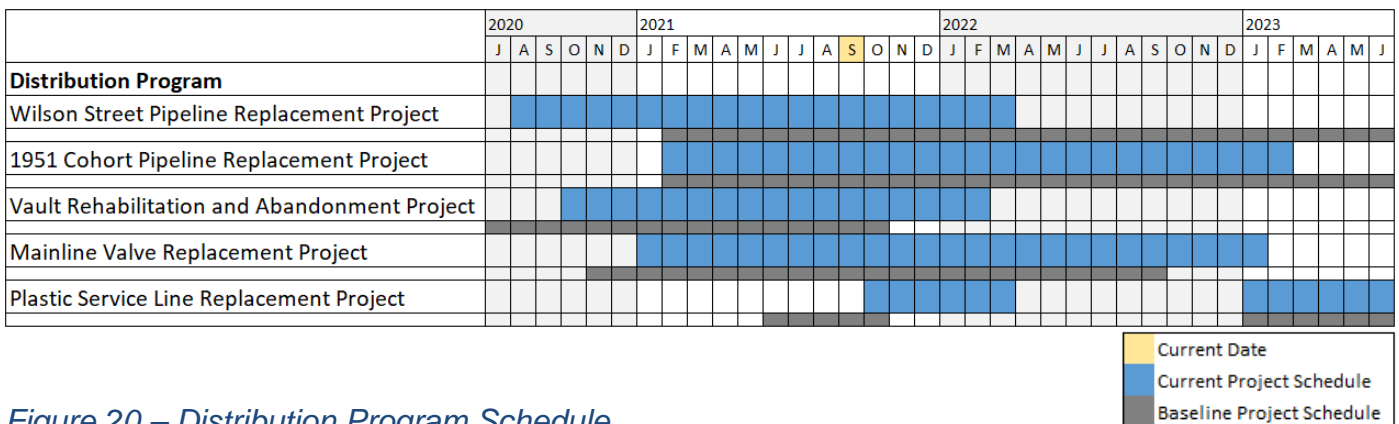


Figure 20 – Distribution Program Schedule

Budget

For the CIPR, \$16,500,000 is budgeted for the Distribution Program, \$900,000 has been spent to date. The current budget status is shown on Figure 21.

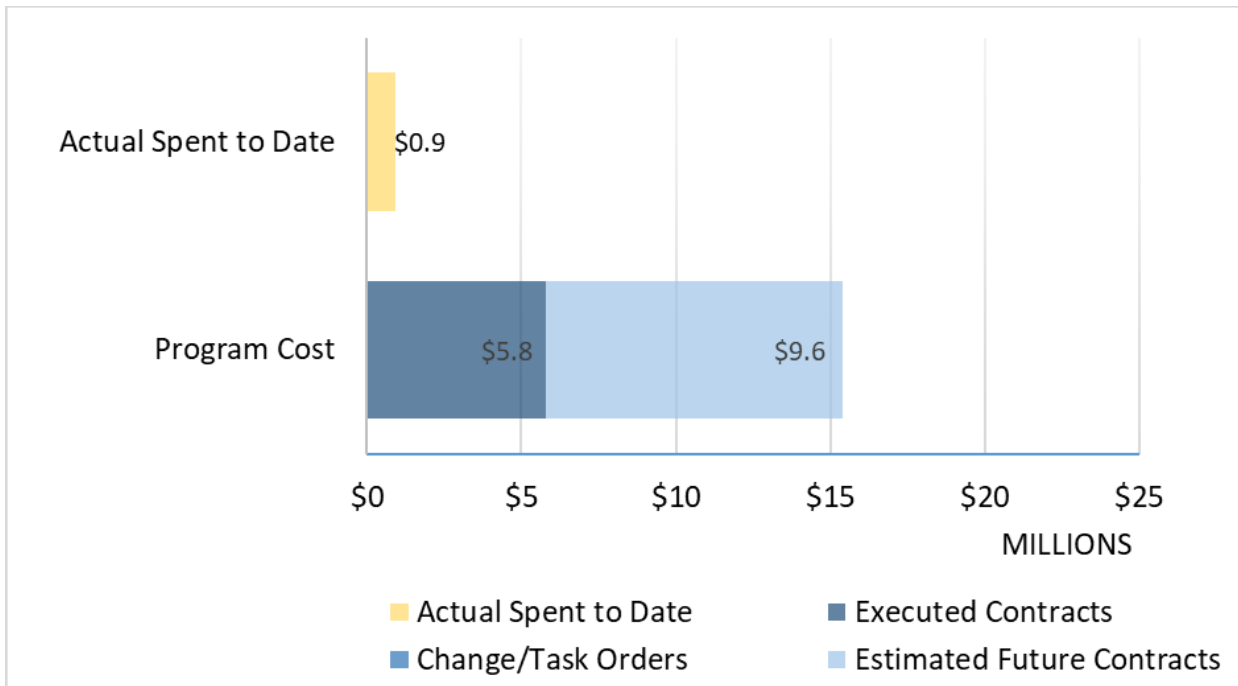


Figure 21. Distribution Program Budget Status

Routine Capital Program

Mesa Water maintains and funds a routine operations capital replacement program each year as part of its regular annual budgeting process. Routine operations capital replacement work includes mainline and fire hydrant valve replacements, small and large meter replacements, service line replacements, air-vacuum valves replacements, and other miscellaneous responsive capital repair work (e.g., mainline repairs, service line repairs, etc.). This program is funded at approximately \$1MM each year, which includes labor, parts, equipment, and District overhead. As part of the CIPR, the Routine Capital Program will continue to be funded at \$1MM each year. A detailed work performance report can be viewed in the monthly Committee meeting packet.

District Facilities Program

The District Facilities Program has seven main projects:

1. SCADA Control Room and Wet Lab Upgrade Project
2. Mesa Water Reliability Facility (MWRF) Parking Improvements Project
3. Mesa Water Education Program Development Project
4. District-Wide Security System Project
5. Garage Storage Building Project
6. MWRF and Well Parts Storage Buildings Project
7. Excavation Slurry Dewatering Pit Project

A program update is provided below.

SCADA Control Room and Wet Lab Upgrade Project

This project will upgrade the existing SCADA Control Room, Wet Lab, and SCADA Server Room at the MWRF. Additionally, the project will provide an education and outreach center for Mesa

Water customers and students to learn about the value of Mesa Water's 100% local groundwater reliability and other regional water supplies.



Figure 22. SCADA Control Room and Wet Lab Upgrade Project Rendering

Status

The project concept was approved by the Board in August 2020. This approval kicked off the Design Development phase of the project, which was completed in December 2020. The design team completed the Final Design in August 2021 and a Request for Bids was solicited from qualified contractors in September 2021. Bids for the construction project are due October 15, 2021 and construction is scheduled to start in December 2021. The project team is currently working to setup a temporary facility at the MWRf to house the Control Room, SCADA Server Room, Conference Room, and Construction Management Office during construction.



Figure 23. MWRf Temporary Administration Building

Mesa Water Reliability Facility (MWRF) Parking Improvements Project

This project provided 58 new parking spaces along Gisler Avenue spanning from the eastern entrance of the MWRF to approximately 200 feet east of College Avenue. This project will accommodate parking for future outreach and education events. The parking design includes parking pavers and drought tolerant landscape to support a sustainable project approach.

Status

Work for this project was competitively awarded to GMC Engineering and construction commenced in June 2020. The work was substantially completed in August 2020, ahead of schedule. The construction project was completed in February 2021 following a 6-month landscape maintenance period.



Figure 24. MWRF Parking Improvements

Mesa Water Education Program Development Project

This project provides design of the education and outreach center exhibits. This effort includes developing an exhibit curriculum that meets local 4th grade education requirements along with exhibitory curriculum for regional water supplies. Exhibits will be integrated into the new Mesa Water Education Center.

Status

Mad Systems was selected to provide the MWRF Education Program exhibit designs services. The project is currently developing concepts for the exhibits. Exhibit installation will occur at completion of the SCADA Control Room and Wet Lab Upgrades Project.



Figure 25. Preliminary Education Center Exhibit Rendering

District-Wide Security System Project

This project provides an integrated security system across all of Mesa Water's facilities. It will replace the end-of-life individual security systems currently installed at each of Mesa Water's facilities. System design and implementation will include perimeter security protocols, a CCTV and recording technology platform, and alarm monitoring and reporting system.

Status

The District-Wide Security System Project kicked off in August 2020 to develop a white paper describing three levels of security including costs for each level. The white paper was received in December 2020. The completion of the final design and construction of the District-Wide Security System Project will be addressed in future budget years outside of the CIPR program

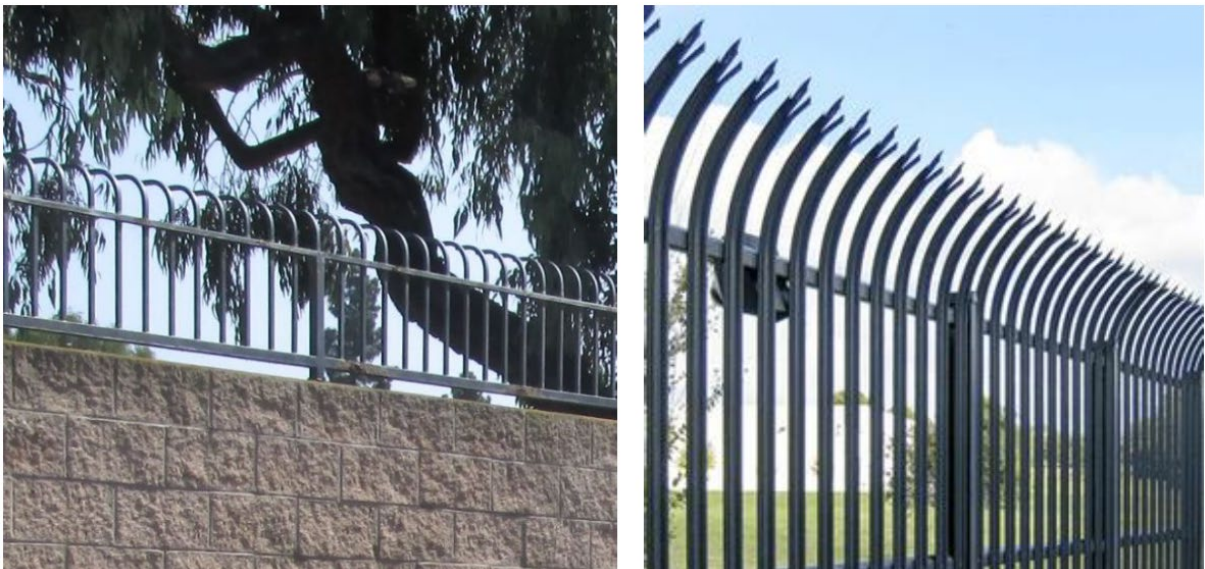


Figure 26. Physical Security Recommendations for Well Sites - Standoff

Garage Storage Building Project

This project repurposes the existing Mesa Water vehicle repair and maintenance garage for equipment and parts storage. The District's existing warehouse is limited in storage capacity which requires spare stock supplies to be stored outside. An additional warehouse will provide enhanced storage capacity with appropriate storage protocols and security.

Status

The first phase of the Garage Storage Project was completed in May 2020. This work demolished the existing vehicle service jacks, hydraulic oil systems, air compressors, removal of the mechanical maintenance equipment, concrete work, and interior recoating. The second phase will design and install storage racks and supporting facilities. The second phase is currently on hold as the garage is being used as the Operations meeting room to allow for social distancing.



Figure 27. Garage Storage Project Photo

MWRF and Well Parts Storage Buildings Project

This project provides a storage facility at Well No. 7 and two on-site MWRF storage facilities. These facilities will be used to store the necessary spare parts to allow for seamless operations, maintenance, and emergency repair work.

Status

This work is being combined with the design of the SCADA Control Room and Wet Lab Upgrades Project. Construction of these facilities will be bid and constructed along with the SCADA Control Room and Wet Lab Upgrades Project.

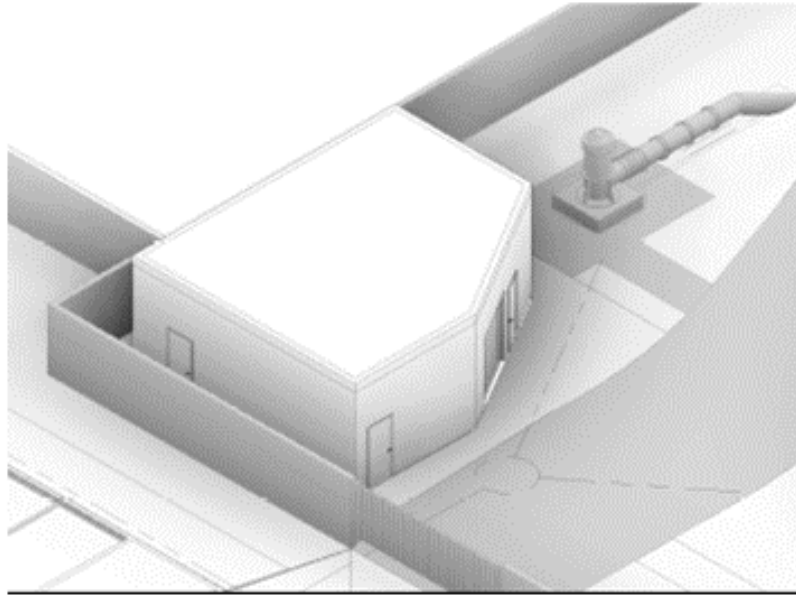


Figure 28. Rendering of the Southwest Storage Building at the MWRF

Excavation Slurry Dewatering Pit Project

This project will provide a dewatering pit at the Mesa Water Operations yard that will separate excavation slurry material that results from using the vacuum trailer on valve installation work. The dewatering pit will eliminate several challenges of long evaporation times in cooler weather, limited real-estate for spoils spreading, and substantial cleanup activities associated with the mess of this material. This project will also increase the efficiency of the operations field work and handling of excavated material.

Status

The preliminary design for the Excavation Slurry Dewatering Pit Project was kicked off in November 2020 and the final white paper was delivered in February 2021. The Dewatering Pit design and construction has been combined with the Reservoirs 1 and 2 Pump Station Upgrades Project.

Schedule

The District Facilities Program is currently behind schedule with completion scheduled for February 2023. The main project in the District Facilities Program is the SCADA Control Room and Wet Lab Upgrade Project. This project is eleven months behind the baseline schedule. The project has been delayed due to changes in the project scope to support development of the education program and exhibits. The baseline and current project schedule for the Distribution Program is shown on Figure 29.

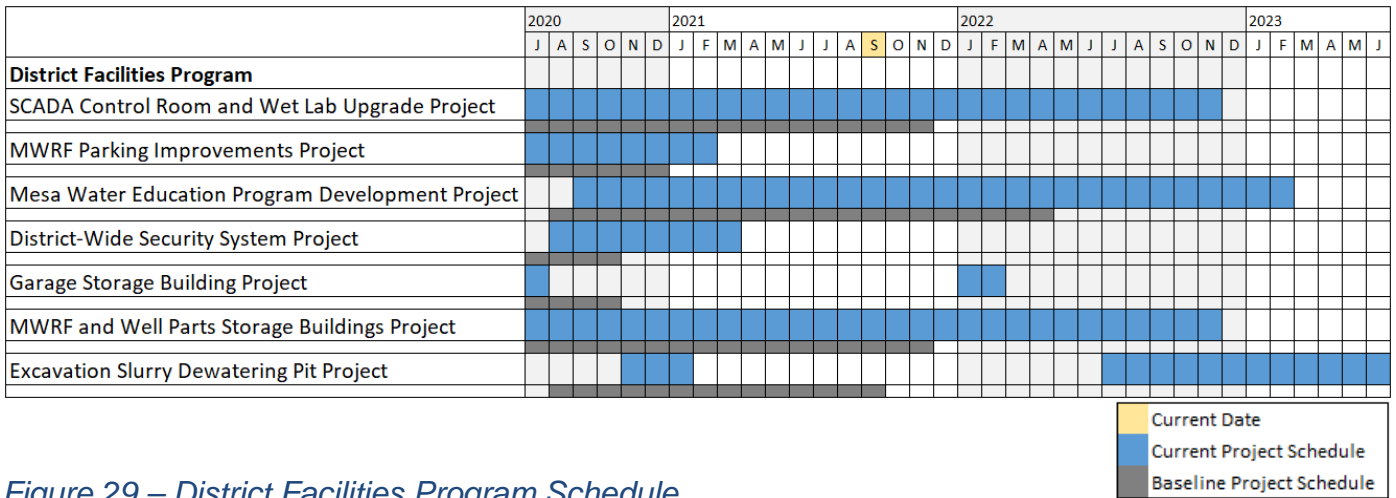


Figure 29 – District Facilities Program Schedule

Budget

For the CIPR, \$6,200,000 is budgeted for the Distribution Program, \$1,620,000 has been spent to date. The current budget status is shown on Figure 30.

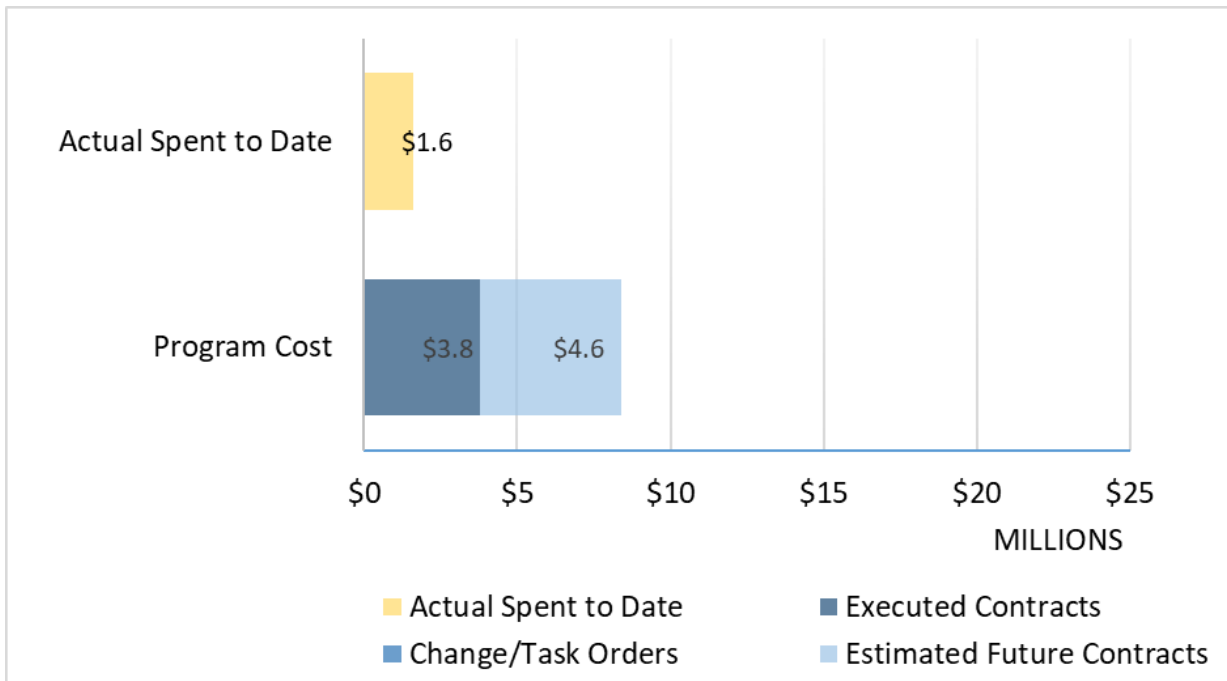


Figure 30. District Facilities Program Budget Status

FINANCIAL IMPACT

The CIPR Program is estimated to cost \$70MM over fiscal years 2020 through 2023. A total of \$13,700,000 has been spent to date. In Fiscal Year 2021, planned expenditures were \$20.9MM; \$9.86MM was spent. Total Fiscal Year 2022 CIPR expenditures are forecasted to be \$28.5MM; \$600,000 has been spent to date. A summary of the CIPR program contracts and expenditures is shown on Figure 31 below and a comparison of the planned CIPR monthly expenditures and the actual monthly expenditures is shown on Figure 32.

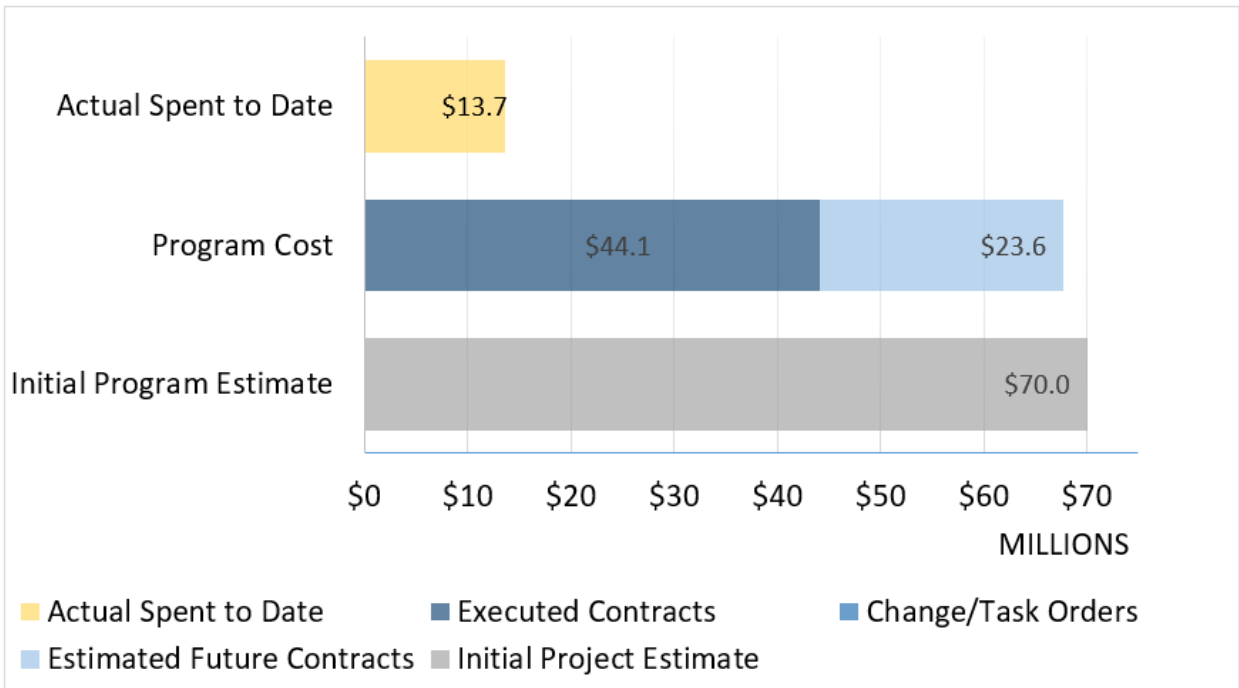


Figure 31. District Facilities Program Budget Status

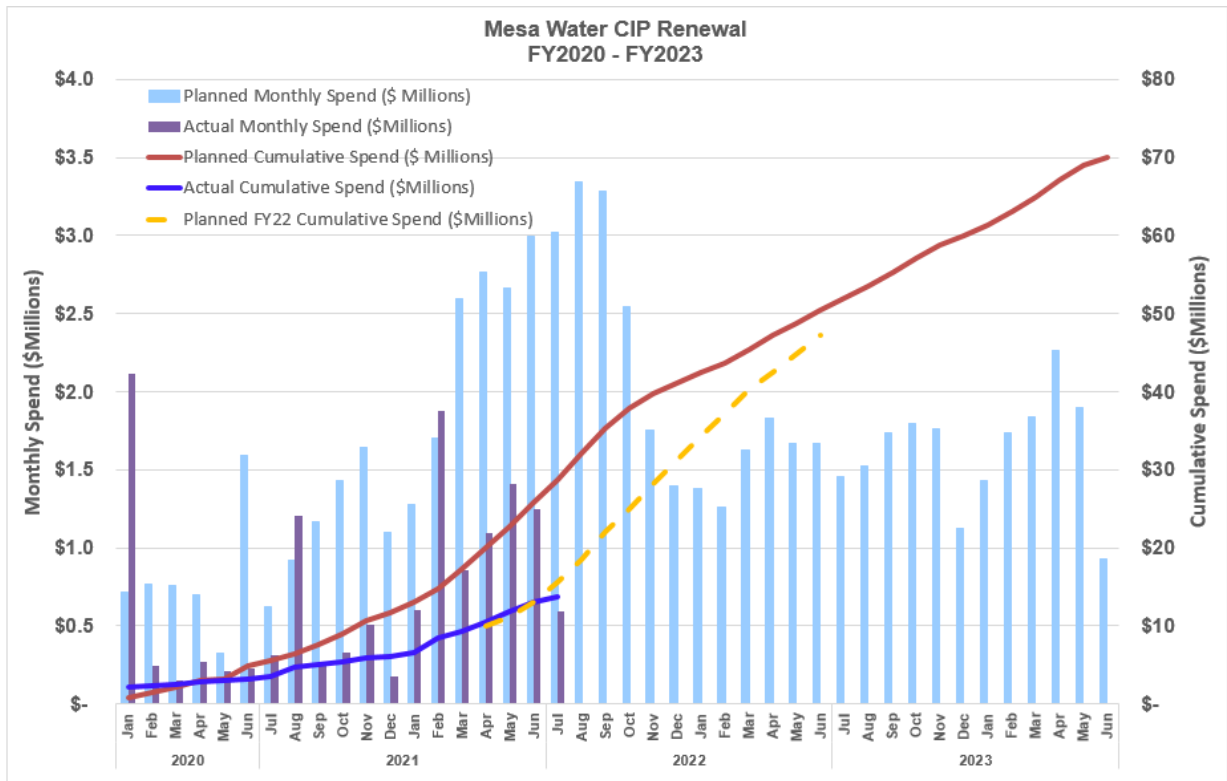


Figure 32. Monthly CIPR Planned Expenditures vs. Actual Monthly Expenditures

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Andrew Wiesner, P.E., Principal Engineer
DATE: September 28, 2021
SUBJECT: Pipeline Integrity Program Update

RECOMMENDATION

Receive the presentation.

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.

PRIOR BOARD ACTION/DISCUSSION

At its June 5, 1980 meeting, the Board of Directors (Board) adopted Resolution No. 891 Governing Vehicle Replacement.

At its July 11, 2002 meeting, the Board adopted Resolution No.1268 Regarding the Replacement of Assets Superseding Resolution No. 891.

At its March 15, 2014 meeting, the Board adopted Resolution No.1442 Regarding the Replacement of Assets Including Pipeline and Well Rehabilitation Superseding Resolution No. 1268.

At its October 10, 2019 meeting, the Board adopted Resolution No. 1525 Regarding the Replacement of Assets including Pipeline and Well Rehabilitation Superseding Resolution No. 1442.

BACKGROUND

Replacement of Assets Policy Evolution

Since 1980, the Board has acknowledged the finite life of the District's assets. Beginning with Resolution No. 891, the Board set a vehicle and equipment replacement policy based on age and usage. This policy was enhanced by Resolution No. 1268 in 2002, which provided flexibility on replacing assets based on their performance, not just their age. As the Board became focused on aging infrastructure, a financial evaluation of age-based pipeline asset replacement was performed as part of the 2014 Water Systems Master Plan Update. This evaluation used industry-average useful life estimates for pipeline materials which ranged from 65 to 85 years. The resulting pipeline replacement cost curve (Figure 1) showed all 317 miles of pipeline requiring replacement in the next 100 years for an approximate total of \$552MM (in 2013 dollars).

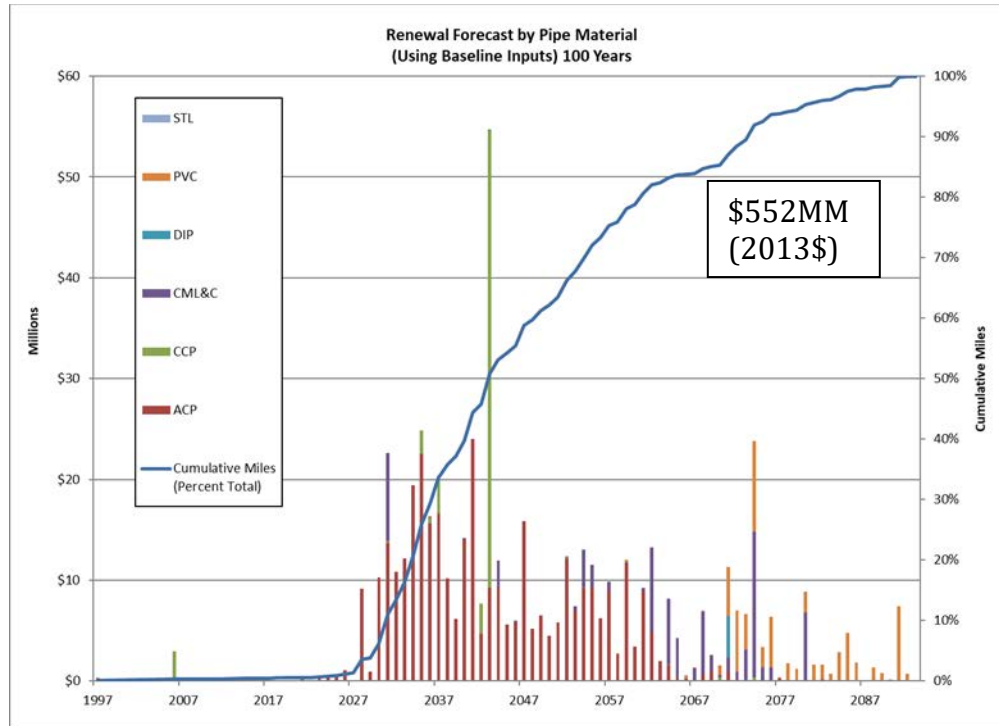


Figure 1. 100-Year Age-Based Pipeline Replacement Curve, 2013.

More than half of that investment (\$272MM) was required in the first 30 years of the replacement cycle. The need for this level of investment did not align with observed pipeline performance. With a low break rate of approximately 13 breaks per year, or 0.04 breaks per mile per year, the pipeline system appeared healthy and not in need of such a high level of replacement. Therefore, a performance-based definition was sought that could be used to plan and budget for asset replacement that reflected actual pipe performance and conditions. Resolution No. 1442 was adopted in 2014 to address replacement of Mesa Water District’s (Mesa Water®) pipeline and groundwater well assets.

Resolution No. 1442 (2014-2019)

Resolution No. 1442 required quantifiable, measurable factors to drive water system asset replacement. For pipelines, this included non-destructive and destructive measurements of the pipe wall’s ability to resist internal forces (e.g., water pressure) and external loads (e.g., traffic and soil). Non-destructive testing was used to measure the average remaining pipe wall thickness for a segment of pipe. Approximately 12 miles of pipeline was evaluated by non-destructive testing (e.g., acoustics testing from 2014-2019). Where pipe walls appeared to have lost more than 30% of their original thickness, samples of the pipe were excavated and sent for destructive testing, including direct measurement of remaining pipe wall thickness, hydrostatic failure pressure, and crush load failure. A total of 23 pipe samples (5 metal and 18 asbestos cement (AC)) were excavated. The remaining useful life was estimated based on the results of the testing. It was determined that AC pipe can be expected to have a total average useful life of 142 years. As AC pipe is approximately 74% of Mesa Water’s system, this finding reduced the pipeline replacement requirements over the 100-year period by \$352MM to \$200MM, including a reduction of \$210MM to \$62MM in the first 30 years of the replacement cycle (Figure 2).

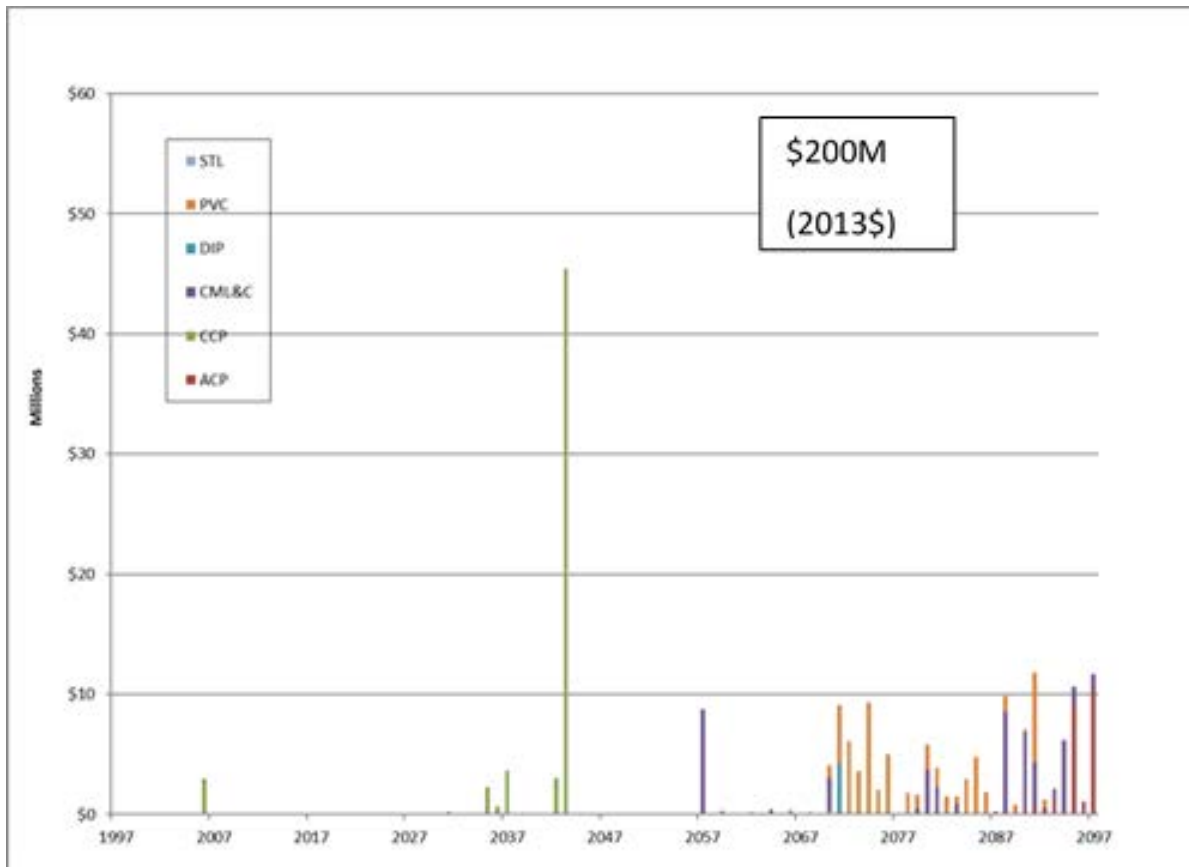


Figure 2. 100-Year Pipeline Renewal Forecast Implementing Resolution No. 1442, 2012.

While the findings and implementation of Resolution No. 1442 was beneficial to Mesa Water, it did not account for all of the factors for pipeline replacement planning. As pipeline walls thin and approach the minimum thickness required to withstand hydrostatic pressure, it is expected that these pipelines will experience breaks. However, one AC pipeline that testing showed to be near its critical thickness had no breaks. Additionally, when AC and metal pipelines that had experienced multiple breaks were sent for testing, the results often showed decades of remaining useful life. This led to re-evaluation of Resolution No. 1442 to take break performance into account as part of the remaining useful life characterization. In addition, the key destructive testing requirement by Resolution No. 1442, hydrostatic failure pressure of pipelines, is no longer available in the United States or Canada for AC pipe due to regulatory considerations.

Implementation of Resolution No. 1442 for metal pipelines greater than 8" in diameter was also problematic. Metal pipeline walls tend to thin where the soil is more corrosive. This tends to occur at discrete points along the pipeline rather than continuously along the pipeline alignment. Insertion tools for measuring pipeline steel wall thickness and remaining useful life are maturing for smaller diameter pipelines. However, technologies for condition assessment of large diameter metal pipe are not yet able to measure pipeline steel wall thickness and remaining useful life.



Resolution No. 1525 (2019- present)

Resolution No. 1525, adopted in October 2019, uses the break history of the pipe cohort group and pipe condition assessment to drive replacement decisions. Pipe cohorts with a higher break rate (breaks per mile per year) or overall number of breaks in the pipe cohort’s lifetime will trigger a condition assessment using non-destructive testing to indirectly measure the remaining wall thickness and estimate remaining useful life. Pipe cohorts with lower break rates will be allowed to continue operation. Table 1 summarizes the break thresholds and actions required by pipe cohort group based on the criteria discussed above.

Table 1. Pipe Break Thresholds for Action

Type of Pipeline	Condition Assessment		Replacement		
	Number of Breaks	Annual Break Rate	Remaining Useful Life	Number of Breaks	Annual Break Rate
Distribution (14” Dia. and smaller)	3	0.2	<10 years	5	1.0
Transmission (16” Dia. and greater)	2	0.2	<10 years	3	0.5

DISCUSSION

Pipeline Performance – Fiscal Years (FY) 2020-2021

Since Resolution No. 1525 relies on break data, the implementation of Resolution No. 1525 required improvements to how break data was collected. A Break Identification training class for the Operations crews was developed and delivered in November 2019. This class provided the crews with easy to use forms to quickly and accurately gather the information needed for the pipeline integrity program as they responded to main breaks. In FY 2020, crews documented eight main breaks. In FY 2021, crews documented five main breaks. Table 2 summarizes the breaks by pipeline type and material. While AC pipe is 75% of the distribution system, it accounts for less than 75% of the breaks. Table 3 summarizes the cause of the breaks. Only four of the breaks each year are actual pipe failures related to the structural integrity of the pipeline material. One was hit by a contractor; the other four were failures at pipeline connections and fittings.

Table 2. Breaks by Pipeline Type and Material

FY	Distribution (Diameter less than 16”)			Transmission (Diameter 16” and greater)
	ACP	Metal	PVC	Metal
2020	3	5	0	0
2021	3	1	0	1

Table 3. Causes of Breaks

FY	Contractor Hit	Fitting Failure	Pipe Failure	Other
2020	1	3	4	0
2021	0	1	4	0

Adding these recent breaks to the historic break data since 2003 and applying Resolution No. 1525 to the pipeline system demonstrates that approximately 96.4% of the pipeline system should

remain in operation with no further action and approximately 2.6% of the system (8 miles) would receive non-destructive testing. Projecting the break rate until the replacement criterion is triggered, the assumed useful life for transmission pipelines is 184 years. For distribution pipelines, AC pipe useful life based on break rate is 178 years; for metallic pipe is 130 years. PVC pipe is too new a material with too few breaks to make a break rate prediction; therefore, 85 years of useful life is assumed for PVC. The 100-year replacement cost is \$94MM, with an overall savings of \$458MM (in 2013 dollars) from the original age-based replacement analysis. The updated 100-year replacement cost curve for this scenario is shown in Figure 3.

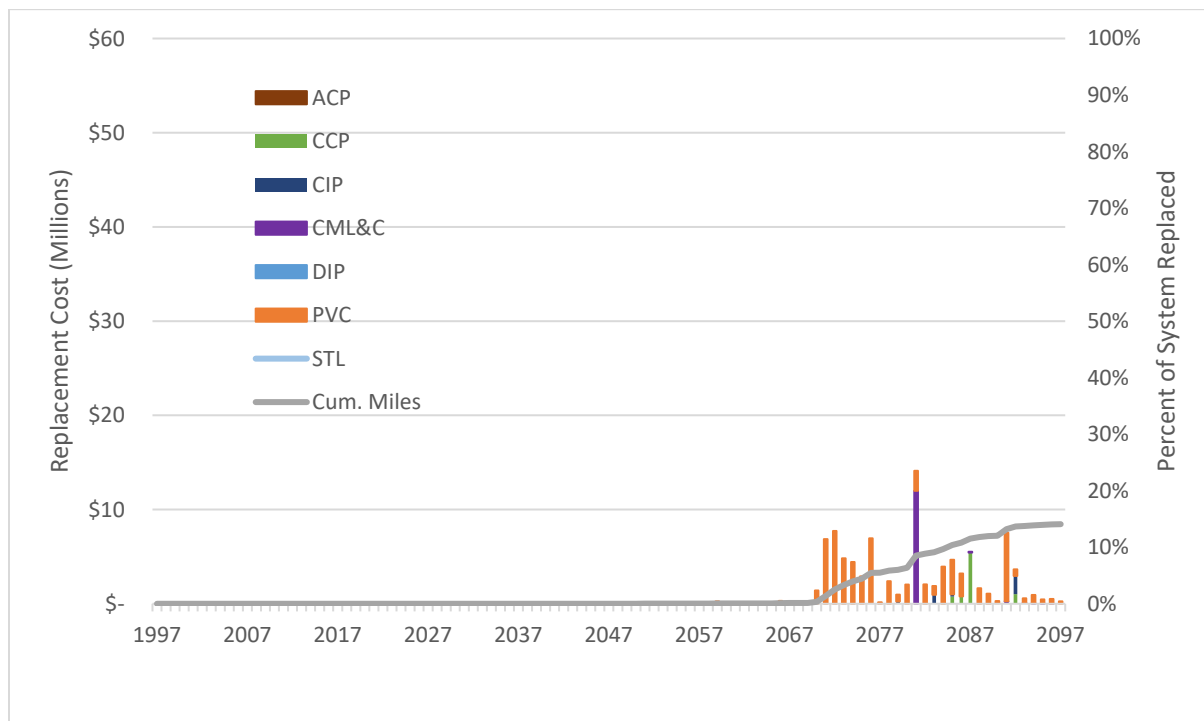


Figure 3. 100 Year Replacement Cost under Resolution No. 1525.

Pipeline Testing Program Accomplishments for FY 2020 - 2021

Under Resolution No. 1525, the Pipeline Integrity Testing Program was also updated. Non-destructive testing will continue to be performed in-situ with the pipe in operation. Exposed pipe testing is performed whenever a pipe is exposed, such as a break repair, valve replacement, or new service connection. Soil samples from the pipe’s immediate environment are collected and sent for corrosivity testing.

Non-Destructive Testing

Mesa Water utilized a grant from Metropolitan Water District of Southern California (MWD) to Municipal Water District of Orange County (MWDOC) to perform acoustic leak detection on approximately 30 miles in FY 2020 and 60 miles of pipeline in FY 2021. MWDOC’s acoustic technology listens for leaks but does not provide pipeline wall thickness measurements. Figure 4 shows the pipelines that received acoustic leak detection for FY 2020 and FY 2021. The pipelines selected for leak detection in FY 2020 were primarily larger diameter metal transmission lines that had not yet received non-destructive assessment in the Pipeline Integrity Program despite their age and criticality to the water system. These are shown as thick orange lines on Figure 4. No leaks were found on these lines. Leak detection was then performed in areas with a history of

main breaks. These are shown on Figure 4 in thin orange for metal pipelines and in dark blue for AC pipelines. One suspected main line leak was indicated; however, no leak was found in the area. The indication was suspected to be a partially closed valve, which creates turbulent flow that mimics the sound of a leak. Acoustic testing in FY 2021, shown in Figure 4 in teal and green, focused on the highest pressure areas of the distribution system, where leaks are more likely to occur. Additionally, the pipelines in the areas around planned pipeline and service line replacement projects were also selected for leak detection to determine if additional replacements might be needed. No mainline leaks were indicated. Small leaks on service laterals, as well as leaks at the customer meter connections were indicated. Staff followed up on the suspected leaks, repaired the leaks on District-owned service laterals and connections to the customer meters. Staff contacted customers to make repairs to leaks found on the customer-owned side of the meter. The results of two years of leak detection indicate that Mesa Water’s pipeline infrastructure is tight and not leaking. No pipeline replacement recommendations were made based on the findings of the leak detection.

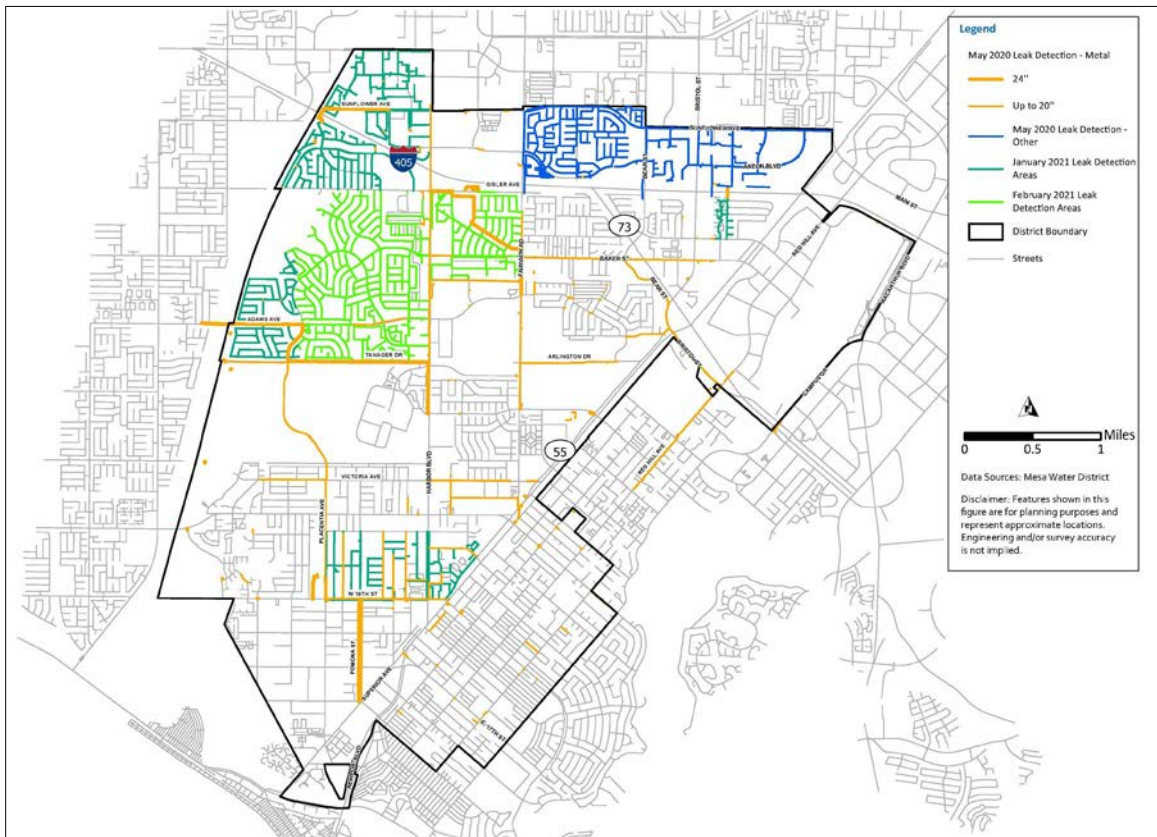


Figure 4. Leak Detection Performed in FY 2020-2021.

Exposed Pipe Testing

Where possible during a break response or valve replacement on an AC pipe, a full ring sample of the AC is collected and sent to a lab for a combined phenolphthalein stain test and Scanning Electron Microscopy/Energy Dispersive X-Ray Spectroscopy (EDS). In FY 2020-2021, 13 AC samples were collected and sent for EDS analysis. Results of the EDS analysis indicate that the average remaining useful life of the 13 samples is 77 years. No new AC replacements were recommended based on the samples. Incorporating the results of the 13 samples with the results of the 40 samples previously analyzed, Mesa Water’s AC pipe has an average remaining useful

life of 82 years. Mesa Water’s AC pipe stock continues to perform well. The Board’s decision to continue to operate AC pipe based on its documented performance and condition continues to be validated.

Pipeline Renewal

The Capital Improvement Program Renewal (CIPR) includes replacement of the poorest performing pipeline cohort group. This metal pipeline cohort was installed in 1951 as the original distribution system of the Fairview County Water District, from 19th Street to Wilson Avenue and Placentia to Newport. Figure 5 shows the location of the cohort group. Applying the criteria of Resolution No. 1525, it was triggered for condition assessment and potential replacement with the number of breaks exceeding three, and the Annual Break Rate exceeding 0.2 breaks per year. Due to the poor performance of this cohort group and the availability of funding in the CIPR program, this problem pipeline cohort is being replaced. Construction of the Wilson Pipeline Replacement project started in August 2021 and is planned to be completed in Spring 2022, ahead of the City of Costa Mesa’s re-paving of Wilson Street. The existing 12” metal pipeline is being abandoned in place and replaced by a new 12” PVC pipeline. Replacement of the remainder of the 1951 cohort group is in the design phase, with construction planned for FY 2022 - 2023. Replacement of this poorest performing pipeline cohort improves the overall health of Mesa Water’s distribution system.

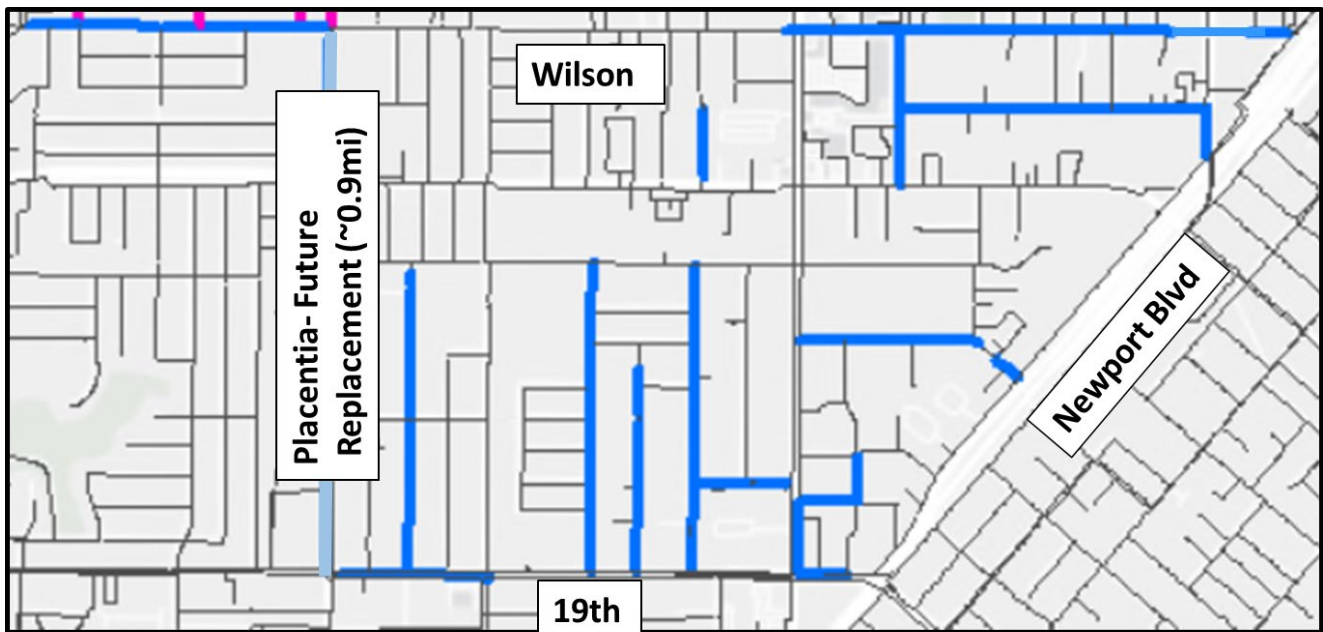


Figure 5. CIPR Program Pipeline Renewal.

Summary of Pipeline Performance

Mesa Water’s pipeline system continues to perform well. The break rate for FY 2020 and FY 2021 are summarized in Table 4 and compared to historical data. The improvements to the break rate are likely from improvements to distribution system pressure management and more rigorous classification of main breaks since the adoption and implementation of Resolution No.1525.



Table 4. Annual Break Rate

FY	Annual Break Rate (Breaks/Year)	Annual Breaks Per Mile of Pipeline (Breaks/Mile/Year)
2020	8	0.03
2021	5	0.02
Historical	13	0.04

Continuous Improvement

Staff recommends that the Board re-evaluate Resolution No. 1525 in 2024 to determine if there are changes in the performance of the pipeline system or in condition assessment or pipeline renewal technologies that warrant an update to the policy. Once the Wilson Pipeline Replacement and 1951 Cohort Replacement projects are complete, the overall performance of Mesa Water’s pipeline system is expected to improve.

FINANCIAL IMPACT

None.

ATTACHMENTS

None.



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Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Celeste Carrillo, Public Affairs Coordinator
DATE: September 28, 2021
SUBJECT: Mission Statement, Core Values, Tagline & Proposed Brand Promise Rollout

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

Goal #4: Increase public awareness about Mesa Water and about water.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

At its June 22, 2021 Committee meeting, the Board of Directors (Board) approved Mesa Water District's (Mesa Water®) new draft Mission Statement and Core Values to replace the District's existing mission statement and directed staff to create an Implementation Plan and agendize the plan at a future meeting. In addition, the Board approved the use of Mesa Water's current Mission Statement as the new tagline.

At its July 28, 2021 workshop meeting, the Board modified the new draft Mission Statement and directed staff to proceed with the Implementation Plan.

DISCUSSION

The District's new mission statement, tagline and brand promise will help to continue to communicate and define Mesa Water's purpose, goals and brand. The core values will help shape Mesa Water's culture and core beliefs about how the District operates. Staff will initiate a number of activities for internal and external rollout of the new mission statement and core values, as well as the tagline.

A brand promise will also be presented for the Board's consideration.

Staff will provide a presentation on the Implementation Plan at the September 28, 2021 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$590,920 is budgeted for the District's Public Affairs department expenses; \$58,820 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Denise Garcia, Administrative Services Manager
DATE: September 28, 2021
SUBJECT: Assembly Bill No. 361 (Rivas) – Open Meetings: State and Local Agencies: Teleconferences

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.
Goal #4: Increase public awareness about Mesa Water and about water.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

On September 16, 2021, California Governor Gavin Newsom signed into law the provisions of Assembly Bill 361 (AB 361), which, pursuant to the legislation and intervening action by the Governor by way of Executive Order N-15-21 will become effective October 1, 2021. Functionally, with a few deviations, AB 361 is a statutory extension of Executive Order N-29-20, which allowed for Board meetings to be conducted remotely during the COVID-19 Pandemic.

Currently, the Mesa Water District (Mesa Water®) Board of Directors (Board) meetings are attended in-person by Board members at Mesa Water's offices and are open for in-person attendance by the public. As long as the Board members are attending the meetings in-person and Mesa Water is offering an in-person location for the public to attend, AB 361 will have no effect on Mesa Water Board meetings and requires no further action on the part of the Board - even if Mesa Water takes steps to allow remote attendance at the meeting by consultants, staff, the public, or any other non-Board members.

If conditions change, AB 361 will be available through January 1, 2024, for the Board to avail itself of in the event remote meetings during a declared emergency becomes necessary or desirable. The two criteria that must be present to use the applicable provisions of AB 361 are:

- An existing proclaimed State of Emergency, issued by the Governor per Government Code Section 8625, whether at the Governor's own accord or at the request of a City or County; and
- Either:
 - State or local health officials have imposed or recommended social distancing measures in connection with such emergency, or
 - The Board finds that physical attendance at meetings because of such emergency would present imminent threats to the health and safety of attendees.



As long as the Board can make findings that such conditions exist, the Board may, at any time, elect to convert to online meetings (telephone or internet-based). Using AB 361 over the Brown Act teleconferencing standards removes the requirements for posting agendas at each teleconferencing location, posting the address of each Directors' teleconferencing location on the meeting agendas, and making each teleconferencing location available to the public to both attend and comment at the meeting.

In order to implement AB 361, the Board would have to make findings that the above-referenced conditions exist. The Board would be required to renew such findings every 30-days, to help ensure that teleconferenced meetings are conducted only as long as is necessary in light of those emergency conditions. Such findings may be made by a formal resolution, an agendaized Board action reflected in the minutes, or a combination of both. Such findings may be made either at a special meeting or as a first item of business at a regular meeting.

FINANCIAL IMPACT

None.

ATTACHMENTS

None.



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Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Andrew Wiesner, PE, Principal Engineer
DATE: September 28, 2021
SUBJECT: Vault Rehabilitation and Abandonment Construction

RECOMMENDATION

Award a contract to T. E. Roberts, Inc. for \$677,461 and a 10% contingency of \$67,746 for a total contract amount not to exceed \$745,201 to provide construction for the Vault Rehabilitation and Abandonment Project, and authorize the General Manager to execute the contract.

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 March 12, 2020 meeting, the Board approved the Capital Improvement Program Renewal (CIPR), which includes the Vault Rehabilitation and Abandonment Project.

At its May 14, 2020 meeting, the Board awarded contracts to six consulting firms to provide on-call professional design services to support the CIPR effort.

At its August 13, 2020 meeting, the Board awarded contracts to five consulting firms to provide on-call professional construction management and inspection services to support the CIPR effort.

BACKGROUND

Mesa Water District (Mesa Water®) has several vault structures for large valves, interties with other agencies, and pressure relief stations. As part of the CIPR, one valve vault is being rehabilitated, three unneeded interties are being abandoned, three obsolete pressure relief stations are being abandoned, and one intertie vault lid is being replaced.

A Categorical Exemption (CatEx) to the California Environmental Quality Act (CEQA) for the project was filed with the County of Orange. The CatEx recognizes the nesting bird season annually from February 1 through September 15. Construction is planned outside of the nesting bird season, from October 2021 through January 2022.

The project is being completed in three phases. Attachment A illustrates the locations and project phases. Phase 1 includes four locations that require the OC-44 pipeline to be shut down. Phase 1 will be completed in one shutdown of the OC-44. The City of Huntington Beach requested the Phase 1 work be completed and the OC-44 returned to service before December 1, 2021. The completion of Phase 1 will coincide with work on the I-405 expansion that impacts another of the City of Huntington Beach's connections to its Metropolitan Water District of Southern California water supply. Phase 2 includes three sites that require coordination with Orange County Flood Control and will be completed by February 1, 2022 per the CEQA CatEx. Phase 3, the vault lid replacement, can be completed anytime during the contract period.



DISCUSSION

The Request for Bids (RFB) for the Vault Rehabilitation and Abandonment Project was sent to 15 recommended water pipeline contractors. Seven of the contractors attended the virtual pre-bid meeting. Bids were received from four qualified contractors. The bids are summarized as follows:

Rank	Bidder	Amount
1	T.E. Roberts, Inc.	\$677,461
2	WA Rasic	\$762,500
3	Ferreira Construction	\$925,200
4	Paulus Engineering	\$1,363,205

The low bid submitted by T.E. Roberts, Inc. was reviewed by Legal Counsel and no disqualifying issues were found. Reference checks indicated that T.E. Roberts is an experienced contractor for water facilities and does excellent work while adhering to the approved project schedule.

Staff recommends that the Board award a contract to T. E. Roberts, Inc. for \$677,461 and a 10% contingency of \$67,746 for a total contract amount not to exceed \$745,201 to provide construction for the Vault Rehabilitation and Abandonment Project, and authorize the General Manager to execute the contract.

FINANCIAL IMPACT

In Fiscal Year 2022, \$1,648,663, is budgeted for the Vault Rehabilitation and Abandonment Project; \$5,835 has been spent to date.

	<u>Project Estimate Amounts</u>	<u>Project Cost Amounts</u>
Initial Project Estimate (2020)	\$1,848,513	
Original Contracts		\$ 474,954
Change/Task Orders		\$ 0
Requested Funding		<u>\$ 677,461</u>
Revised Contracts		<u>\$1,152,415</u>
Actual Spent to Date		\$ 149,835
Revised Project Estimate	\$ 1,848,513	

ATTACHMENTS

Attachment A: Vault Rehabilitation and Abandonment Project Overview

Attachment A. Vault Rehabilitation and Abandonment Project Overview

Phase 1 OC-44 Vaults require one shutdown and dewatering of 8 miles of large diameter potable water transmission pipeline (OC-44) and must be completed by November 24, 2021.

Phase 2 OC Flood Channel Vaults require coordination with OC Flood and must be completed by February 1, 2022.



Phase 2 OC Flood Channel Vaults:
Swan Pressure Relief Station Vault Abandonment

Phase 1 OC-44 Vault:
Placentia & Swan Vault Abandonment

Phase 3: Sunflower & Bristol Vault Lid Replacement

Phase 2 OC Flood Channel Vaults:
Airport Loop Pressure Relief Station Vault Abandonment

Phase 2 OC Flood Channel Vaults:
Baker Pressure Relief Station Vault Abandonment

Phase 1 OC-44 Vault:
Santa Ana Del Mar Vault Abandonment

Phase 1 OC-44 Vault:
Bonita Creek Park Arterial Valve Vault

Phase 1 OC-44 Vault:
Newport Hills E. and Ford Rd (CNB6) Vault 1 & 2 Abandonment

REPORTS:

18. REPORT OF THE GENERAL MANAGER

REPORTS:

19. DIRECTORS' REPORTS AND COMMENTS

There are no support materials for this item.