



*Dedicated to
Satisfying our Community's
Water Needs*

**AGENDA
MESA WATER DISTRICT
BOARD OF DIRECTORS
Tuesday, January 25, 2022
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. Receive and file the Developer Project Status Report.
2. Receive and file the Mesa Water and Other Agency Projects Status Report.
3. Receive and file the Water Quality Call Report.
4. Receive and file the Water Operations Status Report.
5. Receive and file the Accounts Paid Listing.
6. Receive and file the Monthly Financial Reports.
7. Receive and file the Major Staff Projects.
8. Receive and file the State Advocacy Update.
9. Receive and file the Orange County Update.
10. Receive and file the Outreach Update.

PRESENTATION AND DISCUSSION ITEMS:

11. ANNUAL INFORMATION TECHNOLOGY AUDIT - OPERATIONS:

Recommendation: Receive the presentation.



12. CALIFORNIA MUNICIPAL UTILITIES ASSOCIATION STATE LEGISLATIVE BRIEFING:

Recommendation: Receive the presentation.

13. CAPITAL IMPROVEMENT PROGRAM RENEWAL QUARTERLY UPDATE:

Recommendation: Receive the presentation.

14. WATER ISSUES STUDY GROUP:

Recommendation: Receive the presentation.

ACTION ITEMS:

15. ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 10 BOARD OF DIRECTORS NOMINATION:

Recommendation: Adopt Resolution No. 1561 Placing in Nomination Marice H. DePasquale as a Member of the Association of California Water Agencies Region 10 Board Member.

16. MESA WATER DISTRICT'S POLICY POSITIONS AND LEGISLATIVE PLATFORMS:

Recommendation: Approve the proposed updates to Mesa Water District's Policy Positions and Legislative Platforms.

REPORTS:

17. REPORT OF THE GENERAL MANAGER

18. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

19. FINANCIAL AUDITOR SELECTION

20. CLAIM OF DAVID GRAHAM

21. CLAIM OF DONNA STOCKING

22. 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 A REGULAR BOARD MEETING SCHEDULED FOR WEDNESDAY,
FEBRUARY 9, 2022 AT 4:30 P.M.**

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. Permit issued on 11/29/21. Precon held on 12/7/21. Services located for Contractor on 1/6/22. |
| 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. Inspector visited site on 11/16/21 to check status of project. No work is being done at this time. Waiting for Contractor to call for Inspection. (1/14/22) |
| 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. (1/14/22) |
| 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. Pressure test and thrust block placement on 10/11/21. Chlorination swab and a number of Flow Thru tests performed on 10/13/21. (1/14/22) |

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|-------------------------------------|--|---------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. Flow thru test for seven homes completed on 8/18/21, and another 10 homes on 10/11/21, and the remainder tested on 10/13/21. (1/14/22) |
| 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. 4th Plan check submitted on 8/24/21 and returned on 8/29/21. 5th Plan check submitted on 10/11/21 and returned on 10/12/21. 6th Plan check submitted on 10/22/21 and returned on 10/23/21. (1/14/22) |
| 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. Cross connection test #1 of 2 completed 1/12/22. (1/14/22) |

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|-------------------------------------|---------------------|---------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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 re-emailed on 3/26/20. Project on hold as of 3/27/20. Verified construction has started on 5/7/20. Service termination letter sent on 5/18/20; meter locked off, but Owner cut the lock. Service termination letter sent on 5/18/20 and meter locked, but Owner cut lock. Second service termination letter sent on 7/20/21 and meter locked, but Owner cut lock again. 3rd service termination letter sent on 11/10/21 and meter locked off, but Owner finally completed plan check. Tampering fees have been assessed. Permit issued 12/15/21 with completion deadline of 2/28/22. |
| 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. 3rd Plan check submitted on 5/2/21 and returned on 5/2/21. Permit issued on 10/5/21. (1/14/22) |
| 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. Inspector visited site on 11/16/21 to check status of project. No work is being done at this time. Waiting for Contractor to call for next Inspection. (1/14/22) |
| 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 again on 11/16/21 to check status of project. No work is being done at this time. (1/14/22) |
| 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. Inspector visited site on 11/15/21 to check status of project. Waiting for Contractor to call for next inspection. (1/14/22) |

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|-------------------------------------|------------------------|---------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. Permit issued 11/9/21. (1/14/22) |
| 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. Precon held on 5/27/21. Inspector visited site on 11/15/21 to check status of project. Just vacant land currently. Waiting for Contractor to call for next inspection. (1/14/22) |
| 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. Inspector visited site on 11/15/21 to check status of project. No work is being done at this time. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. Inspector visited site on 11/15/21 to check status of project. No work is being done at this time. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. Inspector visited site on 11/15/21 to check status of project. No work is being done at this time. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. 4th Plan check submitted on 11/16/21 and returned on 11/20/21. 5th Plan check submitted on 11/21/21 and returned on 11/21/21. 6th Plan check resubmitted on 11/23/21 and returned on 11/23/21. 7th Plan Check submitted on 11/29/21 and returned on 11/30/21. 8th Plan Check submitted on 12/3 and returned on 12/4. Permit issued on 1/10/22. |

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|-------------------------------------|-------------------------------|--------------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. Inspector visited site on 11/15/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. Inspector visited site on 11/15/21 to check status of project. Waiting for Contractor to call for next inspection. (1/14/22) |
| 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. (1/14/22) |
| C0183-21-01 | 148 E. 22nd Street | St. 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. Permit issued on 11/16/21. (1/14/22) |
| 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. Inspector visited site on 11/12/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. Inspector visited site on 11/12/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |

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| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. Inspector visited site on 11/12/21 to check status of project. Waiting for Contractor to call for next inspection. (1/14/22) |
| C0187-21-01 | 237 E. 20th 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. Inspector visited site on 11/12/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. (1/14/22) |
| 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. Chlorination flush completed on 9/22/21. (1/14/22) |
| 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. Inspector visited site on 11/10/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. (1/14/22) |

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| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. 2nd Plan check submitted on 10/5/21 and returned on 10/5/21. (1/14/22) |
| 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. 2nd Plan check submitted on 10/8/21 and returned on 10/10/21. (1/14/22) |
| 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. (1/14/22) |
| 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. Inspector visited site on 11/10/21 to check status of project. Waiting for Contractor to call for inspection. (1/14/22) |
| 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. Precon meeting held on 1/12/22. |
| 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. Waiting for City follow up with Mesa Water District. (1/14/22) |
| 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. (1/14/22) |
| 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. (1/14/22) |

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| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. Waiting for Contractor to call for Inspection. (1/14/22) |
| 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 8/17/21. Waiting for Contractor to call for next Inspection. (1/14/22) |
| 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. (1/14/22) |
| 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. Inspector visited site on 11/10/21 to check status of project. Waiting for Contractor to call for Inspection. (1/14/22) |
| 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. (1/14/22) |
| 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. 2nd Plan check submitted on 10/14/21 and returned on 10/15/21. Permit issued on 12/22/21. |
| 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. (1/14/22) |
| C0212-22-02 | 900 W. 20th Street | Single Family Home | Application for New Service and Plan Check Fee submitted on 11/13/21. 1st Plan Check submitted on 11/13/21 and returned on 11/14/21. (1/14/22) |
| 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. (1/14/22) |

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| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| 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. (1/14/22) |
| 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. (1/14/22) |
| 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. (1/14/22) |
| C0217-22-01 | 1921 & 1923 Church Street | Two (2) Single Family Homes | Application for New Service submitted on 8/22/21. Plan Check Fee submitted on 1/10/22. 1st Plan check submitted on 8/21/21 and returned on 1/15/22. |
| 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. (1/14/22) |
| C0221-22-01 | 1370 Adams Avenue | Coast Community College District | Application for New Service submitted on 9/9/21. 1st Plan check submitted on 9/9/21 and returned on 9/10/21. (1/14/22) |
| 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. 1st Plan check submitted on 10/11/21 and returned on 10/11/21. 2nd Plan check submitted on 10/20 and returned on 10/20/21. (1/14/22) |
| 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. 1st Plan check submitted on 10/20/21 and returned on 10/20/21. (1/14/22) |
| C0224-22-01 | 1976 Fullerton Avenue | Single Family Home | Waiting for Application for New Service. Plan Check Fee submitted on 9/21/21. 1st Plan check submitted on 9/29/21 and returned on 10/9/21. 2nd Plan check submitted on 11/11/21 and returned on 11/14/21. (1/14/22) |
| C0226-22-01 | 120 Albert Place | Residential - Multi-Family (9-30 units) | Application for New Service submitted on 9/21/21. Waiting for the Plan Check Fee to be submitted. 1st Plan check submitted on 9/21/21. On hold indefinitely per Applicant on 10/28/21. (1/14/22) |
| C0227-22-01 | 246 Cecil Place | Single Family Home | Application for New Service submitted on 9/27/21 and Plan Check Fee submitted on 9/28/21. 1st Plan Check submitted on 9/27/21 and returned on 10/9/21. Permit issued on 1/6/22. |

DEVELOPER PROJECT STATUS REPORT

| PROJECT STATUS - DEVELOPER PROJECTS | | | |
|-------------------------------------|--|---------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| C0228-22-01 | 319 E. 16th Place | Single Family Home | Application for New Service submitted on 9/29/21 and waiting on the Plan Check Fee submittal. 1st Plan Check submitted on 9/30/21 and returned on 10/9/21. Revised 1st submittal and resubmitted on 10/15/21. 2nd Plan Check submitted on 10/26/21 and returned on 10/29/21. Permit issued on 11/30/21. (1/14/22) |
| C0229-22-01 | 401 E. 17th Place | Commercial | Application for New Service submitted on 10/06/21 and the Plan Check Fee submitted on 10/05/21. 1st Plan Check submitted on 10/05/21 and returned 10/9/21. (1/14/22) |
| C0230-22-01 | 1945 Placentia Avenue (Units B, F & G) | Commercial | Application for New Service submitted on 10/06/21 and the waiting for Plan Check Fee. 1st Plan Check submitted on 10/05/21 and returned 10/9/21. 2nd Plan Check submitted 11/11/21 and returned on 11/18/21. (1/14/22) |
| C0231-22-01 | 456 Esther Street | Single Family Home | Application for New Service and Plan Check Fee submitted on 10/06/21. 1st Plan Check submitted on 10/06/21 and returned on 10/10/21. 2nd Plan check submitted on 10/14/21 and returned on 10/15/21. Permit issued on 11/9/21. |
| C0232-22-01 | 462 Costa Mesa Street | Single Family Home | Application for New Service and Plan Check Fee submitted on 10/22/21. 1st Plan Check submitted on 10/22/21 and returned on 10/29/21. 2nd Plan check submitted on 10/29/21 and returned on 10/29/21. Permit issued on 11/9/21. |
| C0233-22-01 | 473 Ogle Street | Single Family Home | Application for New Service submitted on 10/25/21. Plan Check Fee submitted on 11/1/21. 1st Plan Check submitted on 10/25/21 and returned on 10/29/21. 2nd Plan check submitted on 11/3/21 and returned on 11/5/21. Permit issued on 11/16/21. (1/14/22) |
| C0234-22-01 | 1750 Newport Beach | Commercial | Application for New Service submitted on 10/22/21. Plan Check Fee submitted on 11/15/21. 1st Plan Check submitted on 10/25/21 and returned on 11/18/21. 2nd Plan Check submitted on 11/29/21 and returned on 11/30/21. (1/14/22) |
| C0235-22-01 | 2000 Kornat Drive | Single Family Home | Application for New Service submitted on 10/29/21. Plan Check Fee submitted on 10/22/21. 1st Plan Check submitted on 10/29/21 and returned on 10/29/21. (1/14/22) |
| C0237-22-01 | 862 18th Street | Commercial | Application for New Service submitted on 10/12/21. Plan Check Fee submitted on 11/2/21. 1st Plan Check submitted on 11/5/21 and returned on 11/5/21. 2nd Plan Check submitted on 11/11/21 and returned on 11/13/21. (1/14/22) |

DEVELOPER PROJECT STATUS REPORT

| PROJECT STATUS - DEVELOPER PROJECTS | | | |
|-------------------------------------|------------------------------|---------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| C0238-22-01 | 236 Loyola Road | Single Family Home | Application for New Service submitted on 11/1/21. Plan Check Fee submitted on 11/2/21. 1st Plan Check submitted on 11/1/21 and returned on 11/5/21. 2nd Plan Check submitted on 11/14/21 and returned on 11/14/21. 3rd Plan Check submitted on 11/16/21 and returned on 11/18/21. (1/14/22) |
| C0239-22-01 | 2263 Rutgers Drive | Single Family Home | Application for New Service and Plan Check Fee submitted on 11/4/21. 1st Plan Check submitted on 11/4/21 and returned on 11/5/21. 2nd Plan Check submitted on 12/23/21 and returned to 12/24/21. |
| C0240-22-01 | 1775 Monrovia Avenue, Unit 1 | Commercial | Application for New Service and Plan Check Fee submitted on 11/9/21. 1st Plan Check submitted on 11/9/21 and returned on 11/14/21. 2nd Plan Check provided on 11/15/21 and returned on 11/18/21. Permit issued on 1/6/22. |
| C0241-22-01 | 2245 Raleigh Ave | Single Family Home | Application for New Service and Plan Check Fee submitted on 11/8/21. 1st Plan Check submitted on 11/4/21 and returned on 11/14/21. 2nd Plan Check provided on 11/21/21 and returned on 11/23/21. |
| C0242-22-01 | 2510 Carnegie Ave | Single Family Home | Application for New Service and Plan Check Fee submitted on 11/9/21. 1st Plan Check submitted on 11/9/21 and returned on 11/14/21. 2nd Plan Check provided on 11/22/21 and returned on 11/22/21. Permit issued on 1/6/22. |
| C0243-22-01 | 206 E. 15th Street | Single Family Home | Application for New Service submitted on 11/15/21 and Plan Check Fee submitted on 11/18/21. 1st Plan Check submitted on 11/21/21 and returned on 11/21/21. 2nd Plan Check submitted on 11/22/21 and returned on 11/22/21. 3rd Plan Check submitted on 12/2/21 and returned on 12/3/21. 4th Plan Check submitted on 12/8/21 and returned on 12/19/21. Issued permit on 12/29/21. |
| C0244-22-01 | 355 Princeton Drive | Single Family Home | Application for New Service submitted on 11/18/21. Waiting for Plan Check Fee. 1st Plan Check submitted on 11/18/21 and returned on 11/23/21. 2nd Plan Check submitted on 12/1/21 and returned on 12/2/21. Permit issued on 12/21/21. |
| C0246-22-01 | 1929 Arnold Avenue | Single Family Home | Application for New Service and Plan Check Fee submitted on 12/19/21 and 12/8/21. 1st Plan Check submitted on 12/14/21 and returned on 12/20/21. 2nd Plan Check submitted on 1/10/22 and returned on 1/11/22. |
| C0247-22-01 | 2064 Monrovia Avenue | Single Family Home | Application for New Service submitted on 11/29/21. Plan Check Fee submitted on 12/10/21. 1st Plan Check submitted on 11/18/21 and returned on 12/10/21. 2nd Plan Check submitted on 1/5/22 and returned on 1/6/22. |

DEVELOPER PROJECT STATUS REPORT

| PROJECT STATUS - DEVELOPER PROJECTS | | | |
|-------------------------------------|---------------------------------------|---------------------------|---|
| FILE NO. | PROJECT ADDRESS | PROJECT DESCRIPTION | PROJECT NOTES/STATUS |
| C0248-22-01 | 1396 Galway Lane | Single Family Home | Application for New Service submitted on 1/5/22. Plan Check Fee submitted on 12/23/21. 1st Plan Check submitted on 12/14/21 and returned on 12/24. 2nd Plan Check submitted on 1/5/22 and returned on 1/6/22. |
| C0249-22-01 | 2293 La Playa Drive N | Single Family Home | Waiting for Application for New Service. Plan Check Fee submitted on 12/23/21. Waiting for 1st Plan Check submittal. |
| C0250-22-01 | 1008 West Wilson & 2255 Canyon Dr. | Two Single Family Home | Application for New Service submitted on 1/14/22 and Plan Check Fee submitted on 1/12/22. 1st Plan Check submitted on 1/14/22 and returned on 1/15/22. |

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
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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. (1/14/22)

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. MWDOC 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

January 2022

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. Fourteen samples of AC Pipe were collected as part of valve and hydrant replacements and are being prepared for wall thickness measurements.
(1/14/22)

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 mostly complete at both sites; however, the electric utility has not provided approved drawings required for completion of the electrical buildings. Well pedestals have been completed and approved by OCHCA. Permits from AQMD for the back up generators and ammonia scrubbers have been issued. Long lead time items affected by the global supply chain are beginning to arrive.

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

January 2022

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 contractor potholed the pipeline alignment to confirm the location and depths to buried utilities in the area. A minor realignment of the Chandler pipeline was designed to avoid unexpected natural gas pipeline and services. Materials for the Croddy Storm Drain arrived in December 2020, and construction of the Croddy storm drain is in progress. 30" Ductile Iron pipe is scheduled for delivery at the end of January 2022 and installation starting in February 2022. (1/14/22)

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 MWRP spare parts storage building (located at the MWRP) 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, contract 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 MWRP 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 MWRP 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 MWRP in service are being finalized. The delivery and setup of the temporary facilities are anticipated to begin in July 2021. Mesa Water

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

January 2022

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. Two pre-bid meetings were held on 9/23/21 and 10/5/21 and three Addendums were issued to the bidders. Three bids were received from qualified contractors. The project was awarded to the recommended contractor on 10/26/21. Contract executed with Hamel Contracting and kick-off meeting held on November 18, 2021. The contractor is currently working on the demolition of the Administration Building. (1/14/22)

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 started on October 19, 2021. To date, approximately 90% of pipe has been installed. (1/14/22)

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.

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

January 2022

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 was submitted on 10/29/21. Design in progress. (1/14/22)

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 and 2 valve replacement. The Consultant submitted the 90% Design Submittal for Phase 1 on 10/8/21. Staff reviewed the Phase 1 90% and 100% Design Submittals. Request for Bids sent out on 1/10/22. Pre-bid meeting held on 1/13/22. (1/14/22)

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-

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

January 2022

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. The design team submitted the 60% Design Submittal in December 2021. Staff reviewed and provided comments on the 60% Design Submittal and the design team is currently working toward the 90% Design Submittal. (1/19/22)

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. (1/19/22)

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

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
January 2022

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 was awarded at the September 28, 2021 Committee meeting. Notice to Proceed to the selected contractor was provided on October 14, 2021. Contractor mobilized on November 8, 2021 and completed the Phase 1 vaults which required a complete shutdown of the OC-44 pipeline. Phase 1 construction was completed before Thanksgiving 2021, and the 8.1 mile OC-44 pipeline was successfully disinfected and returned to service on December 6, 2021. Phase 2 and Phase 3 of the project are expected to be complete in February 2022. (1/14/22)

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 new servers, UPS, and isolated network has been installed and configured. The project team is currently procuring the required switches and obtaining licenses for required software. (1/19/22)

Water Quality Call Report

December 2021

Date: 12/20/2021
Source: Phone
Address: 2940 Maui Place
Description: Customer is experiencing foul odor with the washer and a sink faucet.
Outcome: Customer mentioned that the odor is not noticed at all the faucets and the washer odor is different from the sink odor. Explained to customer how to check if the water has odor or not, and discussed the possibility of the drain off gassing and how to disinfect it. The customer declined a site visit and will look into disinfecting the drain and call if she has further questions.

Date: 12/22/2021
Source: Email
Address: 2218 Windward Lane
Description: Customer sent an email after hours regarding discolored water that resulted from a service line that was hit earlier in the day.
Outcome: The distribution crew were headed out to the area and checked the customer's water which was clear. The service line has been repaired and flushed and customer was observing sediments which cleared up as water was flushed.

Water Operations Status Report
July 1, 2021 - December 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 | 89 | 101 | 1692 | 1968 | \$35,813 | \$42,801 |
| WD-0102 - HYDRANT PAINTING | HYDRANTS | 7 | 11 | 211 | 128 | \$2,972 | \$4,404 |
| WD-0103 - HYDRANT REPAIR | HYDRANTS | 20 | 16 | 30 | 35 | \$7,530 | \$7,147 |
| | | | | | | | |
| Program 01 TOTAL | | 116 | 128 | | | \$46,315 | \$54,352 |
| 02 - VALVES | | | | | | | |
| WD-0201 - DISTRIBUTION VALVE MAINTENANCE | VALVES | 60 | 92 | 1203 | 1978 | \$26,799 | \$39,099 |
| WD-0202 - NIGHT VALVE MAINTENANCE | VALVES | 6 | 0 | 82 | 0 | \$3,004 | \$0 |
| | | | | | | | |
| Program 02 TOTAL | | 66 | 92 | | | \$29,803 | \$39,099 |
| 03 - METERS | | | | | | | |
| CS-0301 - NEW METER INSTALLATION | METERS | 9 | 3 | 51 | 24 | \$40,923 | \$8,685 |
| CS-0302 - RAISE REPLACE METER BOX | BOXES | 4 | 2 | 39 | 9 | \$1,750 | \$809 |
| CS-0303 - METER LEAK INVESTIGATION/REPAIR | INV/REP | 7 | 5 | 100 | 53 | \$2,694 | \$1,961 |
| CS-0305 - ANGLE STOP/BALL VALVE REPLACE | REPLACE | 20 | 43 | 50 | 101 | \$12,272 | \$16,314 |
| CS-0306 - LARGE METER TEST/REPAIR - C | TESTS | 12 | 5 | 59 | 38 | \$4,728 | \$1,777 |
| WD-0305 - ANGLE STOP/BALL VALVE REPLACE | REPLACE | 13 | 2 | 26 | 2 | \$8,308 | \$635 |
| | | | | | | | |
| Program 03 TOTAL | | 64 | 58 | | | \$70,675 | \$30,181 |
| 04 - MAIN LINES | | | | | | | |
| WD-0401 - MAIN LINE REPAIR | REPAIRS | 50 | 46 | 10 | 6 | \$30,502 | \$23,984 |
| WD-0402 - AIR VAC MAINTENANCE/REPAIR | REPAIRS | 13 | 17 | 80 | 208 | \$5,248 | \$6,990 |
| | | | | | | | |
| Program 04 TOTAL | | 64 | 63 | | | \$35,750 | \$30,974 |
| 05 - SERVICE LINES | | | | | | | |
| WD-0501 - SERVICE LINE REPAIR | REPAIRS | 29 | 43 | 11 | 11 | \$14,696 | \$20,591 |
| | | | | | | | |
| Program 05 TOTAL | | 29 | 43 | | | \$14,696 | \$20,591 |
| 06 - CAPITAL | | | | | | | |
| CAP FH - CAPITAL HYDRANT UPGRADE | HYDRANTS | 83 | 200 | 13 | 28 | \$81,393 | \$150,754 |
| CAP MV - CAPITAL MAINLINE VALVE REPLACE | VALVES | 71 | 76 | 13 | 10 | \$56,849 | \$47,341 |
| CAP SL - CAPITAL SERVICE LINE REPLACE | SERVICES | 19 | 9 | 5 | 1 | \$12,210 | \$4,143 |
| CAP SS - CAPITAL SAMPLE STATION REPLACE | STATIONS | 3 | 2 | 3 | 6 | \$1,570 | \$924 |
| CAP WLS- CAPITAL WATER LOSS STUDY | METERS | 25 | 26 | 253 | 184 | \$34,404 | \$25,194 |
| CAP LM - CAPITAL LARGE METERS | METERS | 4 | 0 | 25 | 0 | \$9,911 | \$21 |
| CAP SM - CAPITAL SMALL METERS | METERS | 8 | 6 | 125 | 54 | \$12,117 | \$7,335 |
| CIPR- ENGINEERING WORK | HOURS | 273 | 147 | 2315 | 1328 | \$113,363 | \$64,313 |
| | | | | | | | |
| Program 06 TOTAL | | 486 | 468 | | | \$321,817 | \$300,025 |
| | | | | | | | |
| | | | | | | | |
| TOTAL | | | | | | \$519,056 | \$475,222 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|-------------------------------|---------------|--------------|----------------|--------------------------------|---------------------|
| CAPITAL | | | | | |
| BUTIER CONSULTING ENGINEERS | 000005318 | 12/30/21 | B017MWD | M18-100 CHANDLER & CRODDY | \$55,072.59 |
| | 1 | | | | \$55,072.59 |
| KIMLEY-HORN AND ASSOCIATES | 000005273 | 12/16/21 | 194155002-1121 | M22-220A WELL 3 ASSESSMENT | \$8,200.00 |
| | 1 | | | | \$8,200.00 |
| MICHAEL BAKER INTERNATIONAL | 000005196 | 12/02/21 | 1131947 | M20-100 METER TECHNOLOGY | \$1,870.00 |
| | 000005277 | 12/16/21 | 1129548 | M20-004A OC44 APPUR RELOCATION | \$11,313.87 |
| | | 12/16/21 | 1122375 | M20-100 METER TECHNOLOGY | \$6,765.00 |
| | 000005332 | 12/30/21 | 1134752 | M20-004A OC44 APPUR RELOCATION | \$495.00 |
| | 3 | | | | \$20,443.87 |
| MURAKAWA COMMUNICATIONS, INC. | 000005280 | 12/16/21 | MESA WATER-18 | M20-109 PUBLIC OUTREACH | \$7,721.92 |
| | 1 | | | | \$7,721.92 |
| PAULUS ENGINEERING INC | 000005167 | 12/02/21 | 02 | M20-004A OC-44 APPUR RELOCATN | \$208,138.24 |
| | | 12/02/21 | 03 | Receivings Transaction Entry | \$17,626.13 |
| | 000005316 | 12/16/21 | 01RET | M20-004A OC-44 APPUR RELOCATN | \$2,020.51 |
| | | 12/16/21 | 02RET | M20-004A OC-44 APPUR RELOCATN | \$10,954.64 |
| | | 12/16/21 | 03RET | M20-004A OC-44 APPUR RELOCATN | \$927.69 |
| | 2 | | | | \$239,667.21 |
| TETRA TECH, INC | 000005168 | 12/02/21 | 51804065 | M21-220A COHORT PIPELINE | \$18,003.16 |
| | | 12/02/21 | 51810156 | M21-220C MAINLINE VALVE REPLC | \$34,985.50 |
| | 000005203 | 12/09/21 | 51786610 | M18-100 CHANDLER & CRODDY | \$44,566.87 |
| | 000005317 | 12/16/21 | 51805254 | M18-100 CHANDLER & CRODDY | \$34,091.82 |
| | 000005363 | 12/30/21 | 51828986 | M21-220A COHORT PIPELINE | \$17,921.50 |
| | 4 | | | | \$149,568.85 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|---|---------------|--------------|-------------------------|--------------------------------------|---------------------|
| ZIM INDUSTRIES, INC. DBA BAKERSFIELD WELL & PUMP CO. | 000005253 | 12/16/21 | 01RET | M18-100 CHANDLER& CRODDY WELLS | \$6,325.00 |
| | | 12/16/21 | 02RET | M18-100 CHANDLER&CRODDY WELLS | \$12,262.50 |
| | | 12/16/21 | 03RET | M18-100 CHANDLER&CRODDY WELLS | \$41,459.01 |
| | | 12/16/21 | 04RET | M18-100 CHANDLER&CRODDY WELLS | \$4,033.75 |
| | | 12/16/21 | 05RET | M18-100 CHANDLER&CRODDY WELLS | \$14,864.39 |
| | | 12/16/21 | 06RET | M18-100 CHANDLER&CRODDY WELLS | \$43,313.58 |
| | | 12/16/21 | 07RET | M18-100 CHANDLER&CRODDY WELLS | \$5,892.50 |
| | | 12/16/21 | 08RET | M18-100 CHANDLER&CRODDY WELLS | \$5,650.00 |
| | 1 | | | | \$133,800.73 |
| Total CAPITAL | 13 | | | | \$614,475.17 |
| CHECK SIGNATURE EXEMPT | | | | | |
| SOUTHERN CALIFORNIA EDISON CO | 000005205 | 12/09/21 | 7004610940890 CT21.3 | ELECTRICITY - OCTOBER 2021 | \$41,630.00 |
| | | 12/09/21 | 7004610940890 CT21-3 | ELECTRICITY - OCTOBER 2021 | \$99,006.28 |
| | 000005252 | 12/16/21 | 2236281499MA Y21 | ELECTRICITY - MAY 2021 | \$61,744.89 |
| | | 12/16/21 | 2236281499JUN 21 | ELECTRICITY - JUNE 2021 | \$17,555.11 |
| | 2 | | | | \$219,936.28 |
| Total CHECK SIGNATURE EXEMPT | 2 | | | | \$219,936.28 |
| DEPARTMENT EXPENSE | | | | | |
| 4 IMPRINT | 000005220 | 12/09/21 | 9462711 | MWD PROMO ITEMS | \$244.04 |
| | | | | | \$244.04 |
| ACWA JOINT POWERS INSURANCE AUTHORITY | 000005352 | 12/30/21 | JAN22EAP | JANUARY 2022 EAP | \$145.18 |
| | | | | | \$145.18 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|----------------------------------|---------------|--------------|----------------|-------------------------------|---------------------|
| AMERICAN WATER WORKS ASSOCIATION | 000005169 | 12/02/21 | 7001951487 | FY22 MEM. RENEW DIR. JA | \$294.00 |
| | 1 | | | | \$294.00 |
| CA ASS'N OF PUBLIC PURCH OFCR | 000005211 | 12/09/21 | 300009314 | 2022 Membeship Renewal - MC | \$130.00 |
| | 1 | | | | \$130.00 |
| CALPERS BENEFIT PAYMENTS | 0172111 | 12/09/21 | 16621392 | MONTHLY PA HEALTH PREMIUM | \$6,947.83 |
| | 0172112 | 12/09/21 | 111821 | PPE 11/18/21 | \$36,578.21 |
| | 0172113 | 12/09/21 | 16621376 | MONTHLY HEALTH PREMIUM | \$57,798.47 |
| | 0172115 | 12/23/21 | 120221 | PPE 12/2/21 | \$36,996.99 |
| | 4 | | | | \$138,321.50 |
| COLONIAL LIFE & ACCIDENT INS | 000005261 | 12/16/21 | 88923331214940 | INSURANCE - PPE 12/06/21 | \$201.68 |
| | 000005323 | 12/30/21 | 88923331228681 | INSURANCE - PPE 12/16/21 | \$201.68 |
| | 2 | | | | \$403.36 |
| COSTA MESA CHAMBER OF COMMERCE | 000005214 | 12/09/21 | 14775 | SPONSORSHIP | \$200.00 |
| | 1 | | | | \$200.00 |
| COSTA MESA FIRE AND RESCUE | 000005357 | 12/30/21 | 13840 | 2022 DISTRICT OFFICE PERMIT | \$140.00 |
| | | 12/30/21 | 13842 | 2022 Res 2 Flammable Liquids | \$140.00 |
| | | 12/30/21 | 13843 | 2022 MWRP Flammable Liquid | \$140.00 |
| | | 12/30/21 | 13844 | 2022 Well 1 Flammable Liquid | \$140.00 |
| | | 12/30/21 | 13845 | 2022 Well 3 Flammable Liquid | \$140.00 |
| | | 12/30/21 | 13846 | 2022 Well 7 Flammable Liquids | \$140.00 |
| | | 12/30/21 | 13841-REV | 2022 Well 5 Flammable Liquid | \$140.00 |
| | | 12/30/21 | 13847 | 2022 Well 9 Flammable Liquid | \$140.00 |
| | | 1 | | | |
| NATIONAL INST OF GVMT PURCHAS | 000005174 | 12/02/21 | 120221 | MEMBERSHIP REPLACEMENT #4931 | \$190.00 |
| | 1 | | | | \$190.00 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|------------------------------------|---------------|--------------|----------------------|--------------------------------|---------------------|
| OCPA | 000005201 | 12/02/21 | 11/24/2021 | Req: 3645 | \$75.00 |
| | 1 | | | | \$75.00 |
| RED WING BUSINESS ADVANTAGE ACCT | 000005288 | 12/16/21 | 20211209009986 | SAFETY SHOES | \$200.00 |
| | 1 | | | | \$200.00 |
| SHARON D BRIMER | 000005177 | 12/02/21 | OCT/NOV2021 | BOARD MINUTES - OCT/NOV 2021 | \$651.25 |
| | 1 | | | | \$651.25 |
| SWMOA | 000005179 | 12/02/21 | 2022-6204-W-724 | FY22 MEMBERSHIP RENEWAL | \$360.00 |
| | 1 | | | | \$360.00 |
| TASC | 000005341 | 12/30/21 | IN2230227 | FSA ADMIN FEES - NOVEMBER 2021 | \$143.28 |
| | 1 | | | | \$143.28 |
| URBAN WATER INSTITUTE | 000005349 | 12/30/21 | 121321 | SPONSORSHIP | \$1,500.00 |
| | 1 | | | | \$1,500.00 |
| VISION SERVICE PLAN - (CA) | 000005364 | 12/30/21 | 813979219 | JAN 2022 VISION INSURANCE | \$1,283.53 |
| | 1 | | | | \$1,283.53 |
| VISTA DEL VERDE LANDSCAPE | 000005296 | 12/16/21 | 35928 | LANDSCAPE MAINT FEES - DEC | \$2,608.79 |
| | 1 | | | | \$2,608.79 |
| Total DEPARTMENT EXPENSE | 21 | | | | \$147,869.93 |
| GENERAL AND ADMINISTRATIVE | | | | | |
| 360 BC GROUP INC. | 000005258 | 12/16/21 | 30156 | WEBSITE MAINTENANCE - NOVEMBER | \$2,000.00 |
| | 1 | | | | \$2,000.00 |
| AT&T MOBILITY | 000005207 | 12/09/21 | 87295684390X11162021 | WIRELESS COMM 11/09-12/08 | \$592.95 |
| | 1 | | | | \$592.95 |
| BEN'S ASPHALT | 000005319 | 12/30/21 | 19362 | M22-003 ON CALL PAVING | \$12,996.00 |
| | 1 | | | | \$12,996.00 |
| BLANCAROSA T CRAIG | 000005239 | 12/09/21 | CHEQ00099007916 | 05204700 Overpayment | \$111.06 |
| | 1 | | | | \$111.06 |
| BLUECOSMO SATELLITE COMMUNICATIONS | 000005320 | 12/30/21 | BU01403665 | SATELLITE PHONE SERVICE | \$103.16 |
| | 1 | | | | \$103.16 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--|---------------|--------------|----------------|------------------------------|--------------------|
| BOLLAND AND ASSOCIATES | 000005259 | 12/16/21 | 210309 | REGULATORY CONSULTING FEE | \$200.00 |
| | 1 | | | | \$200.00 |
| BRENDA DEELEY PR LLC | 000005209 | 12/09/21 | 1301 | CONSULTING FEE NOVEMBER 2021 | \$6,700.00 |
| | 1 | | | | \$6,700.00 |
| BSI EHS SERVICES AND SOLUTIONS | 000005321 | 12/30/21 | 69821 | EHS SUPPORT SERVICES | \$11,060.00 |
| | 1 | | | | \$11,060.00 |
| CALIFORNIA ADVOCATES INC. | 000005210 | 12/09/21 | 122187 | PROFESSIONAL SERVICES | \$7,700.00 |
| | 1 | | | | \$7,700.00 |
| CAPITAL RUBBER CORP | 000005309 | 12/16/21 | 131367 | WATER OPS SUPPLIES | \$3,497.56 |
| | | 12/16/21 | 131703 | WATER OPS SUPPLIES | \$36.40 |
| | 1 | | | | \$3,533.96 |
| CCS ORANGE COUNTY JANITORIAL INC. | 000005242 | 12/09/21 | 80452048 | JANITORIAL SUPPLIES | \$312.63 |
| | | 12/09/21 | 534931 | JANITORIAL SERVICES | \$3,933.67 |
| | 000005262 | 12/16/21 | 80495194 | JANITORIAL SUPPLIES | \$95.79 |
| | 2 | | | | \$4,342.09 |
| CERTIF-A-GIFT | 000005260 | 12/16/21 | 1857065 | SERVICE GIFTS | \$107.75 |
| | 1 | | | | \$107.75 |
| CLIFTONLARSONALLEN LLP | 000005212 | 12/09/21 | 3088590 | CONSULTING - FY21 | \$14,500.00 |
| | 1 | | | | \$14,500.00 |
| COASTAL OCCUPATIONAL MEDICAL GROUP DBA AKESO OCCUPATIONAL HEALTH | 000005305 | 12/16/21 | 319404 | MEDICAL SERVICES | \$240.00 |
| | 000005353 | 12/30/21 | 320136 | MEDICAL SERVICES | \$147.03 |
| | | 12/30/21 | 320130 | MEDICAL SERVICES | \$242.93 |
| | 2 | | | | \$629.96 |
| DAVITH KEO | 000005170 | 12/02/21 | 102521 | DAVID KEO CLAIM 10.25.21 | \$2,244.54 |
| | 1 | | | | \$2,244.54 |
| EAN SERVICES LLC | 000005216 | 12/09/21 | 28522672 | TRUCK RENTAL | \$4,302.21 |
| | 1 | | | | \$4,302.21 |
| ECAMSECURE | 000005265 | 12/16/21 | 746056 | M21-250A1 MONTHLY SERVICES | \$289.52 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--------------------------------|---------------|--------------|---------------------|-----------------------------------|--------------------|
| ECAMSECURE | 000005324 | 12/30/21 | 703190 | M21-250A1 CHANDLER WELL | \$1,149.52 |
| | 2 | | | | \$1,439.04 |
| EDWARD COLSTON | 000005238 | 12/09/21 | CHEQ00099007 915 | 05019000 Overpayment | \$77.99 |
| | 1 | | | | \$77.99 |
| ELAN ONE | 0172106 | 12/01/21 | 12012021 | MONTHLY CHARGES | \$21,960.88 |
| | 1 | | | | \$21,960.88 |
| EMPOWER | 000005365 | 12/24/21 | 121621 | PPE 12/16/21 | \$1,028.96 |
| | 000005366 | 12/24/21 | 121621 M | PPE 12/16/21 M | \$7,220.83 |
| | 0172108 | 12/09/21 | 120321 | PPE 12/3/21 | \$1,028.96 |
| | 0172109 | 12/09/21 | 120321 M | PPE 12/3/21M | \$6,640.10 |
| | 0172110 | 12/09/21 | 120321 457 | PPE 12/3/21 457 | \$19,786.94 |
| | 0172118 | 12/24/21 | 121621 457 | PPE 12/16/21 457 | \$23,142.86 |
| | 6 | | | | \$58,848.65 |
| ENTERPRISE FM TRUST | 000005325 | 12/30/21 | FBN4358057 | AUTO LEASES - DECEMBER 2021 | \$1,025.68 |
| | 1 | | | | \$1,025.68 |
| EPIC BUSINESS ESSENTIALS, LLC | 000005171 | 12/02/21 | SI00441549 | OFFICE SUPPLIES | \$551.73 |
| | 1 | | | | \$551.73 |
| FM THOMAS AIR CONDITIONING INC | 000005268 | 12/16/21 | 43101 | AC REPAIR- MWRF | \$3,341.34 |
| | 1 | | | | \$3,341.34 |
| FRONTIER COMMUNICATIONS | 000005218 | 12/09/21 | 17945NOV21 | DDS LINE 11/13- 12/12 | \$118.84 |
| | 1 | | | | \$118.84 |
| FULL CIRCLE RECYCLING | 000005269 | 12/16/21 | 27163 | RECYCLING SERVICES | \$133.50 |
| | 1 | | | | \$133.50 |
| GARZA INDUSTRIES | 000005311 | 12/16/21 | 1937214 | OFFICE SUPPLIES | \$225.74 |
| | 1 | | | | \$225.74 |
| GCI CONSTRUCTION, INC. | 000005301 | 12/16/21 | CHEQ00099007 918 | 20076400 Cheque Deposits 20076 | \$1,206.16 |
| | 1 | | | | \$1,206.16 |
| GOOGLE FIBER, INC. | 000005237 | 12/09/21 | CHEQ00099007 913 | 04503200 Cheque Deposits 04503 | \$884.96 |
| | | 12/09/21 | CHEQ00099007 914 | 12026500 Cheque Deposits 12026 | \$659.98 |
| | 1 | | | | \$1,544.94 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|-----------------------------|---------------|--------------|---------------------|--------------------------------|-----------------|
| GRAFIX SYSTEMS | 000005313 | 12/16/21 | 29612 | FLEET - LOGO DECALS | \$352.74 |
| | 1 | | | | \$352.74 |
| INDUSTRIAL DOOR GROUP, INC. | 000005221 | 12/09/21 | 11-22-686354 | FRONT DOOR REPAIR | \$437.50 |
| | 000005329 | 12/30/21 | 12-16-693822 | GATE REPAIR | \$882.55 |
| 2 | | | | \$1,320.05 | |
| INFOSEND INC | 000005222 | 12/09/21 | 202484 | CUSTOMER BILLING SERVICE | \$944.01 |
| | | 12/09/21 | 202312 | CUSTOMER BILLING SERVICE | \$1,376.75 |
| | 000005360 | 12/30/21 | 203777 | CUSTOMER BILLING SERVICE | \$1,648.96 |
| | | 12/30/21 | 203589 | CUSTOMER BILLING SERVICE | \$1,584.74 |
| | | 12/30/21 | 203907 | INSERT BILLING | \$336.96 |
| 2 | | | | \$5,891.42 | |
| JB BOSTICK COMPANY, INC. | 000005303 | 12/16/21 | CHEQ00099007 921 | 20072200 Cheque Deposits 20072 | \$993.52 |
| | 1 | | | | \$993.52 |
| JERRY WHITNEY | 000005304 | 12/16/21 | CHEQ00099007 922 | 30001427 Cheque Deposits 30001 | \$60.23 |
| | 1 | | | | \$60.23 |
| JODI HALBREICH | 000005186 | 12/02/21 | CHEQ00099007 910 | 04105403 Overpayment | \$47.56 |
| | 1 | | | | \$47.56 |
| JONATHAN REISER | 000005182 | 12/02/21 | CHEQ00099007 906 | 07605200 Cheque Deposits 07605 | \$43.06 |
| | 1 | | | | \$43.06 |
| KLEEN KRAFT SERVICES | 000005172 | 12/02/21 | 1088671 | UNIFORMS, MATS, TOWELS | \$252.36 |
| | 000005274 | 12/16/21 | 1089976 | UNIFORMS, MATS, TOWELS | \$252.36 |
| | | 12/16/21 | 1089318 | UNIFORMS, MATS, TOWELS | \$249.36 |
| | 000005330 | 12/30/21 | 1090637 | UNIFORMS, MATS, TOWELS | \$249.36 |
| 3 | | | | \$1,003.44 | |
| LA CONSULTING INC | 000005250 | 12/09/21 | 0015283 | PERFORMANCE AUDIT FY2021 | \$2,979.45 |
| | | 12/09/21 | 0015272 | M21-104 WATER SYS ENHANCMENTS | \$4,996.00 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|---|---------------|--------------|---------------------|-----------------------------------|----------------|
| | 1 | | | | \$7,975.45 |
| MARSHALL EDDY | 000005188 | 12/02/21 | CHEQ00099007 912 | 10413000 Cheque Deposits 10413 | \$53.67 |
| | 1 | | | | \$53.67 |
| MCFADDEN-DALE INDUSTRIAL HARDWARE, LLC | 000005173 | 12/02/21 | 327916/3 | WATER OPS SUPPLIES | \$30.02 |
| | 1 | | | | \$30.02 |
| MOUSE GRAPHICS | 000005279 | 12/16/21 | 444463 | DESIGN 24x20 PRINT | \$91.59 |
| | 1 | | | | \$91.59 |
| MYERS & SONS HI-WAY SAFETY INC | 000005315 | 12/16/21 | 123666 | SAFETY EQUIPMENT | \$1,797.67 |
| | 1 | | | | \$1,797.67 |
| NEWPORT BEACH CHAMBER OF COMMERCE | 000005284 | 12/16/21 | 21563 | SPONSORSHIP | \$650.00 |
| | 1 | | | | \$650.00 |
| NOACK AWARDS & ENGRAVING INC | 000005282 | 12/16/21 | 27220 | LASER ENGRAVING | \$32.33 |
| | 000005333 | 12/30/21 | 27242 | LASER ENGRAVING | \$682.06 |
| | 2 | | | | \$714.39 |
| NTH GENERATION COMPUTING INC. | 000005334 | 12/30/21 | 39425TM2 | AUDIT PLAN SUPPORT | \$20,637.50 |
| | 1 | | | | \$20,637.50 |
| OFELIA JOHNSON | 000005263 | 12/16/21 | CHEQ00099007 919 | 06618100 Overpayment | \$193.38 |
| | 1 | | | | \$193.38 |
| OLGA COLLINS | 000005184 | 12/02/21 | CHEQ00099007 908 | 06618100 Cheque Deposits 06618 | \$93.62 |
| | 1 | | | | \$93.62 |
| OLSON URBAN III, CM 2, LLC | 000005185 | 12/02/21 | CHEQ00099007 909 | 30002333 Overpayment | \$20.00 |
| | 1 | | | | \$20.00 |
| O'NEIL STORAGE #0481 | 000005285 | 12/16/21 | 2111051 | FILE STORAGE - NOVEMBER 2021 | \$210.29 |
| | 1 | | | | \$210.29 |
| OSTS INC | 000005225 | 12/09/21 | 56036 | FORKLIFT TRAINING | \$550.00 |
| | 1 | | | | \$550.00 |
| PAM DOBSON | 000005240 | 12/09/21 | CHEQ00099007 917 | 03512300 Overpayment | \$11,000.00 |
| | 1 | | | | \$11,000.00 |
| PETE'S ROAD SERVICE | 000005336 | 12/30/21 | 550165-00 | Receivings Transaction Entry | \$312.48 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|---------------------------|---------------|--------------|---------------------|---------------------------------|----------------|
| | 1 | | | | \$312.48 |
| POWER OF ONE FOUNDATION | 000005286 | 12/16/21 | 21-1035 | SPONSORSHIP | \$500.00 |
| | 1 | | | | \$500.00 |
| QUADIANT FINANCE USA, INC | 000005292 | 12/16/21 | 3751NOV21 | POSTAGE - NOVMEBER 2021 | \$545.70 |
| | 1 | | | | \$545.70 |
| QUADIANT LEASING USA, INC | 000005276 | 12/16/21 | N9153825 | LEASE - MAIL EQUIPMENT | \$883.31 |
| | 1 | | | | \$883.31 |
| RAYNE WATER SYSTEMS | 000005228 | 12/09/21 | 30486DEC21 | SOFT WATER SERVICE - DEC 2021 | \$43.50 |
| | 1 | | | | \$43.50 |
| RICH SLUSH FUND, LLC | 000005187 | 12/02/21 | CHEQ00099007 911 | 01002000 Overpayment | \$181.26 |
| | 1 | | | | \$181.26 |
| RUTH WILSON | 000005302 | 12/16/21 | CHEQ00099007 920 | 09103500 Overpayment | \$2,079.00 |
| | 1 | | | | \$2,079.00 |
| SEEN OUTFITTING LLC | 000005176 | 12/02/21 | 00102 | WATER OPS EQUIPMENT | \$716.54 |
| | 1 | | | | \$716.54 |
| T2 TECHNOLOGY GROUP, LLC | 000005199 | 12/02/21 | 5050 | LAPTOP | \$4,574.61 |
| | | 12/02/21 | 5049 | UMB INSIGHTS ANNUAL SUBSCRIP | \$6,200.00 |
| | 000005254 | 12/16/21 | 00307511 | M21-250F INFRASTRUCTURE SEC | \$10,865.50 |
| | | 12/16/21 | 00307512 | M21-250A1 MWRFC SCADA MIGRATION | \$11,214.50 |
| | | 12/16/21 | 00307509 | IT SUPPORT - NOVEMBER 2021 | \$41,571.50 |
| | | 12/16/21 | 5054 | M21-120A AWS CLOUD | \$7,956.33 |
| | 2 | | | | \$82,382.44 |
| TAFFY GUILLEN | 000005183 | 12/02/21 | CHEQ00099007 907 | 09603400 Overpayment | \$86.97 |
| | 1 | | | | \$86.97 |
| THEODORE ROBINS FORD | 000005251 | 12/16/21 | MD05975 | M21-002A F-350 UTILITY TRUCK | \$68,080.31 |
| | | 12/16/21 | MA04759 | M21-002A F-450 UTILITY TRUCK | \$70,181.44 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|----------------------|---------------|----------------------------|----------------|----------------------------|----------------|
| THEODORE ROBINS FORD | 000005343 | 12/30/21 | C60391 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60389 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60383 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60387 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60753 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60675 | AUTO REPAIRS & MAINTENANCE | \$1,379.90 |
| | | 12/30/21 | C60388 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60390 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60393 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60392 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60394 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60395 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60396 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60452 | AUTO REPAIRS & MAINTENANCE | \$713.39 |
| | | 12/30/21 | C60385 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60382 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60548 | AUTO REPAIRS & MAINTENANCE | \$2,605.69 |
| | | 12/30/21 | C60752 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C61193 | AUTO REPAIRS & MAINTENANCE | \$82.86 |
| | | 12/30/21 | C60727 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| 12/30/21 | C60745 | AUTO REPAIRS & MAINTENANCE | \$62.67 | | |
| 12/30/21 | C60730 | AUTO REPAIRS & MAINTENANCE | \$62.67 | | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|----------------------|---------------|----------------------------|----------------|----------------------------|----------------|
| THEODORE ROBINS FORD | 000005343 | 12/30/21 | C61176 | AUTO REPAIRS & MAINTENANCE | \$82.86 |
| | | 12/30/21 | C60767 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60731 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60744 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60751 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60779 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60724 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60750 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60738 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60728 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60747 | AUTO REPAIRS & MAINTENANCE | \$37.67 |
| | | 12/30/21 | C60746 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60775 | AUTO REPAIRS & MAINTENANCE | \$81.50 |
| | | 12/30/21 | C60776 | AUTO REPAIRS & MAINTENANCE | \$81.50 |
| | | 12/30/21 | C60769 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60736 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60772 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60741 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60771 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60770 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| 12/30/21 | C60768 | AUTO REPAIRS & MAINTENANCE | \$62.67 | | |
| 12/30/21 | C60774 | AUTO REPAIRS & MAINTENANCE | \$81.50 | | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--------------------------------|---------------|--------------|----------------------|--------------------------------|---------------------|
| THEODORE ROBINS FORD | 000005343 | 12/30/21 | C60749 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60737 | AUTO REPAIRS & MAINTENANCE | \$62.67 |
| | | 12/30/21 | C60386 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| | | 12/30/21 | C60384 | AUTO REPAIRS & MAINTENANCE | \$75.00 |
| 2 | | | | | \$145,887.70 |
| TIME WARNER CABLE | 000005247 | 12/09/21 | 1524356111521 | INTERNET - DISTRICT | \$204.98 |
| | | 12/09/21 | 1048224111921 | INTERNET - DISTRICT | \$2,248.00 |
| | | 12/09/21 | 0679649111821 | INTERNET - MWRF | \$324.98 |
| | 000005345 | 12/30/21 | 1774795120621 | INTERNET - DISTRICT | \$97.98 |
| | | 12/30/21 | 0012934120321 | INTERNET - DISTRICT | \$362.91 |
| | | 12/30/21 | 1201986011201 21 | INTERNET - MWRF | \$1,461.78 |
| 2 | | | | | \$4,700.63 |
| TK ELEVATOR | 000005344 | 12/30/21 | 3006309248 | ELEVATOR MAINTENANCE 12/1-2/28 | \$2,545.60 |
| | | 1 | | | |
| UNIVERSAL WASTE SYSTEMS, INC | 000005230 | 12/09/21 | 0001265254 | WASTE REMOVAL - DECEMBER | \$103.95 |
| | | 1 | | | |
| UNUM | 000005348 | 12/30/21 | 04205600016JA N22 | LIFE INSURANCE- JANUARY 2022 | \$4,283.34 |
| | | 1 | | | |
| VERIZON WIRELESS | 000005231 | 12/09/21 | 9893009938 | MOBILE INTERNET 10/17-11/16 | \$1,950.47 |
| | | 1 | | | |
| WASTE MANAGEMENT OF OC | 000005249 | 12/09/21 | 7955503-0149-8 | TR CONTAINER RENTAL NOV21 | \$542.50 |
| | | 12/09/21 | 0396460-2515-3 | TR CONTAINER RENTAL DEC21 | \$1,287.17 |
| | 1 | | | | |
| WATER SYSTEMS CONSULTING, INC. | 000005299 | 12/16/21 | 6188 | M21-220A WILSON PIPELINE REPLC | \$5,486.60 |
| | | 1 | | | |
| WESTERN EXTERMINATOR COMPANY | 000005233 | 12/09/21 | 2953770 | PEST CONTROL - MWRF | \$101.00 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--|---------------|--------------|----------------|-------------------------------|---------------------|
| WESTERN EXTERMINATOR COMPANY | 000005300 | 12/16/21 | 9453074 | PEST CONTROL - DISTRICT | \$100.75 |
| | 2 | | | | \$201.75 |
| WILLIAMS SCOTSMAN INC. | 000005181 | 12/02/21 | 9012244442 | M21-250A1 SCADA & LAB UPDATE | \$3,598.53 |
| | 1 | | | | \$3,598.53 |
| WOODLAND VILLAGE I & II LLC DBA THE VILLAGE AT SOUTH COAST | 000005295 | 12/16/21 | 1 | SPONSORSHIP | \$200.00 |
| | 1 | | | | \$200.00 |
| YORKE ENGINEERING, LLC | 000005235 | 12/09/21 | 27541 | AQ & ES ENVIRONMENTAL SERVICE | \$5,593.80 |
| | | 12/09/21 | 27542 | AQ & ES ENVIRONMENTAL SERVICE | \$1,832.75 |
| | 1 | | | | \$7,426.55 |
| Total GENERAL AND ADMINISTRATIVE | 89 | | | | \$481,273.76 |
| RETIREE CHECKS | | | | | |
| ALAN COOK | 000005236 | 12/09/21 | 120121 | DEC 2021 INSURANCE SUBSIDY | \$94.83 |
| | 1 | | | | \$94.83 |
| ART HERNANDEZ | 000005206 | 12/09/21 | 120121 | DEC 2021 INSURANCE SUBSIDY | \$179.08 |
| | 1 | | | | \$179.08 |
| COLEEN L MONTELEONE | 000005213 | 12/09/21 | 120121 | DEC 2021 INSURANCE SUBSIDY | \$241.00 |
| | 1 | | | | \$241.00 |
| DIANA LEACH | 000005215 | 12/09/21 | 120121 | DEC 2021 INSURANCE SUBSIDY | \$271.06 |
| | 1 | | | | \$271.06 |
| LORI MULLER | 000005224 | 12/09/21 | 120121 | DEC 2021 INSURANCE SUBSIDY | \$94.83 |
| | 1 | | | | \$94.83 |
| Total RETIREE CHECKS | 5 | | | | \$880.80 |
| VARIOUS | | | | | |
| ACADEMY ELECTRIC INC. | 000005255 | 12/16/21 | 1302-16 | ELECTRICAL REPAIRS | \$1,763.18 |
| | 1 | | | | \$1,763.18 |
| AMAZON BUSINESS | 000005189 | 12/02/21 | 14NW-WTWX-7CV7 | OFFICE SUPPLIES | \$40.92 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount | |
|-----------------|---------------|--------------|----------------|---------------------|-----------------|----------|
| AMAZON BUSINESS | 000005189 | 12/02/21 | 1DRF-RFYR-64KW | OFFICE SUPPLIES | \$42.07 | |
| | | 12/02/21 | 1JNV-CKH6-CKXM | OFFICE SUPPLIES | \$57.59 | |
| | | 12/02/21 | 1NM6-4YGW-D4WV | OFFICE SUPPLIES | \$34.45 | |
| | | 12/02/21 | 13CT-W4VN-V7VW | OFFICE SUPPLIES | \$47.80 | |
| | | 12/02/21 | 1R7P-XVK1-LL3R | OFFICE SUPPLIES | \$42.90 | |
| | | 12/02/21 | 14NW-WTWX-RWMV | OFFICE SUPPLIES | \$72.12 | |
| | 000005241 | 12/09/21 | 1YPR-WT1X-RGRY | OFFICE SUPPLIES | \$23.46 | |
| | | 12/09/21 | 1FD7-N7VG-34CQ | OFFICE SUPPLIES | \$42.92 | |
| | | 12/09/21 | 1PGW-11DH-VTL4 | OFFICE SUPPLIES | \$41.65 | |
| | | 12/09/21 | 17XH-JXTW-FD44 | OFFICE SUPPLIES | \$317.57 | |
| | | 12/09/21 | 1RQK-CKMN-M913 | OFFICE SUPPLIES | \$79.20 | |
| | | 12/09/21 | 16QC-R6HK-7HXL | OFFICE SUPPLIES | \$50.02 | |
| | | 12/09/21 | 1VDW-J7RX-471V | OFFICE SUPPLIES | \$19.38 | |
| | | 12/09/21 | 16W6-3FYP-39XR | OFFICE SUPPLIES | \$129.09 | |
| | | 12/09/21 | 19T6-CMJQ-C34N | OFFICE SUPPLIES | \$22.07 | |
| | | 000005306 | 12/16/21 | 19QF-GGFX-73X3 | OFFICE SUPPLIES | \$137.04 |
| | | | 12/16/21 | 1YLQ-WX36-QG76 | OFFICE SUPPLIES | \$108.05 |
| | 12/16/21 | | 179Q-TMVV-G7GD | OFFICE SUPPLIES | \$19.25 | |
| | 12/16/21 | | 16LV-LH6C-JW6V | OFFICE SUPPLIES | \$269.85 | |
| | 12/16/21 | | 1CMN-NLYK-R4RJ | OFFICE SUPPLIES | \$138.36 | |
| | 12/16/21 | | 1LNT-NF6J-KKFV | OFFICE SUPPLIES | \$23.65 | |
| | 12/16/21 | | 1R37-WCGD-1R34 | OFFICE SUPPLIES | \$26.00 | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount | |
|---|---------------|--------------|----------------|-------------------------------|------------------------------|------------|
| AMAZON BUSINESS | 000005354 | 12/30/21 | 1VHL-RYF7-91RK | OFFICE SUPPLIES | \$247.29 | |
| | | 12/30/21 | 1GCK-6QRV-K161 | OFFICE SUPPLIES | \$7.75 | |
| | | 12/30/21 | 1WWR-XHJR-NJNM | OFFICE SUPPLIES | \$87.12 | |
| | | 12/30/21 | 1JTP-FC6L-LDY7 | OFFICE SUPPLIES | \$41.47 | |
| | | 12/30/21 | 1QY1-1WJ9-C3PH | OFFICE SUPPLIES | \$398.60 | |
| | | 12/30/21 | 1C69-6GD9-PC9V | OFFICE SUPPLIES | \$6.90 | |
| 4 | | | | | \$2,574.54 | |
| AT&T | 000005257 | 12/16/21 | 0779DEC21 | 339-263-0779 DECEMBER 2021 | \$1,609.31 | |
| | | 000005307 | 12/16/21 | 000017410833 | ACCT# 9391061444 NOVEMBER | \$55.87 |
| | | | 12/16/21 | 000017409975 | ACCT# 9391055284 NOVEMBER | \$4,736.02 |
| 2 | | | | | \$6,401.20 | |
| CALIFORNIA ASSOCIATION OF MUTUAL WATER COMPANIES | 000005310 | 12/16/21 | 073 | SPONSORSHIP | \$746.97 | |
| | | 1 | | | | |
| CITADEL ENVIRONMENTAL SERVICES INC | 000005356 | 12/30/21 | 0029145 | EHS AUDIT | \$233.00 | |
| | | 12/30/21 | 0029144 | EHS AUDTIHS AUDIT | \$6,376.75 | |
| 1 | | | | | \$6,609.75 | |
| DION & SONS, INC | 000005358 | 12/30/21 | 783292 | DIESEL FUEL | \$2,125.97 | |
| | | 12/30/21 | 783291 | GASOLINE | \$7,835.98 | |
| 1 | | | | | \$9,961.95 | |
| FEDERAL EXPRESS CORPORATION | 000005245 | 12/09/21 | 7-577-55392 | SHIPPING SERVICES | \$92.47 | |
| | | 12/09/21 | 7-569-70931 | SHIPPING SERVICES | \$69.22 | |
| | 000005326 | 12/30/21 | 7-591-57094 | SHIPPING SERVICES | \$68.90 | |
| 2 | | | | | \$230.59 | |
| GENERAL PUMP COMPANY | 000005270 | 12/16/21 | 28965 | WELL 1 REPAIRS | \$1,099.47 | |
| | | 1 | | | | |
| GRAINGER | 000005191 | 12/02/21 | 9124090326 | SAFETY TOOLS & EQUIPMENT | \$2,971.67 | |
| | | 000005312 | 12/16/21 | 9133997099 | SAFETY TOOLS & EQUIPMENT | \$88.51 |
| | | | 12/16/21 | 9124816183 | SAFETY TOOLS & EQUIPMENT | \$1,127.54 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|---|---------------|--------------|----------------|--------------------------------|-------------------|
| GRAINGER | 000005312 | 12/16/21 | 9133582586 | SAFETY TOOLS & EQUIPMENT | \$330.35 |
| | | 12/16/21 | 9141659285 | SAFETY TOOLS & EQUIPMENT | \$159.87 |
| | | 12/16/21 | 9133826827 | SAFETY TOOLS & EQUIPMENT | \$134.63 |
| | 000005327 | 12/30/21 | 9146580668 | M21-250A1 SCADA CONTROL ROOM | \$66.11 |
| 3 | | | | | \$4,878.68 |
| HACH COMPANY | 000005314 | 12/16/21 | 12725418 | SAFETY TOOLS & EQUIPMENT | \$368.72 |
| | | 12/16/21 | 12763472 | SAFETY TOOLS & EQUIPMENT | \$251.76 |
| | | 12/16/21 | 12746300 | | \$384.50 |
| | 1 | | | | |
| HRCHITECT | 000005192 | 12/02/21 | 2021-0852 | M18-110 HRIS CONSULTANT | \$962.50 |
| | 000005219 | 12/09/21 | 2021-0883 | M18-110 HRIS CONSULTANT | \$393.75 |
| | 2 | | | | |
| HUB AUTO SUPPLY | 000005193 | 12/02/21 | 282762 | AUTO SUPPLIES | \$12.90 |
| | | 12/02/21 | 281286 | AUTO SUPPLIES | \$10.21 |
| | 1 | | | | |
| JA SALAZAR CONSTRUCTION & SUPPLY | 000005202 | 12/09/21 | 411-2R1 | M21-220A WILSON PIPELINE REPLC | \$576,492.08 |
| | 1 | | | | |
| KOFF AND ASSOCIATES | 000005331 | 12/30/21 | 013872 | PROFESSIONAL SERVICES | \$7,672.50 |
| | 1 | | | | |
| LEWIS CONSULTING GROUP | 000005223 | 12/09/21 | 2021-132 | GOV'T RELATIONS SERVICES | \$5,000.00 |
| | 1 | | | | |
| MEYERS NAVE, A PROFESSIONAL CORPORATION | 000005361 | 12/30/21 | 185488 | E200-0001 MATTER 1893.004 | \$224.10 |
| | | 12/30/21 | 185015 | E200-0001 MATTER 1893.005 | \$2,917.55 |
| | 1 | | | | |
| MIKE KILBRIDE LTD | 000005278 | 12/16/21 | 5710RET | M21-250G TELECOMM CONDUIT | \$2,462.50 |
| | | 1 | | | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--|---------------|--------------|----------------------|-----------------------------------|-----------------------------------|
| SOUTHERN CALIFORNIA GAS CO | 000005198 | 12/02/21 | 05200799004N OV21 | NATURAL GAS, RES 2 NOV 2021 | \$3,815.23 |
| | | 12/02/21 | 08940813002N OV21 | NATURAL GAS RES 1, NOV 2021 | \$1,253.43 |
| | | 12/02/21 | 08520813000N OV21 | NATURAL GAS DISTRICT, NOV 2021 | \$65.04 |
| | 000005290 | 12/16/21 | 05060829008N OV21 | NATURAL GAS, WELL 5, NOV 2021 | \$19,390.61 |
| | 000005338 | 12/30/21 | 05200799004DE C21 | NATURAL GAS, RES 2, DEC 2021 | \$3,689.61 |
| 3 | | | | | \$28,213.92 |
| SPRYPOINT SERVICES INC | 000005340 | 12/30/21 | INV-0942 | COGSDALE SUPPORT | \$11,600.00 |
| | | 12/30/21 | INV-0926 | COGSDALE SUPPORT | \$13,100.00 |
| 1 | | | | | \$24,700.00 |
| STIVERS & ASSOCIATES INC. | 000005178 | 12/02/21 | 12-849 | MWRF LANDSCAPE CONSULTANT | \$300.00 |
| | | 1 | | | |
| THE HOME DEPOT COMMERCIAL ACCT | 000005328 | 12/30/21 | 1915NOV21 | TOOLS & EQUIPMENT | \$1,429.17 |
| | | 1 | | | |
| VALLEY POWER | 000005294 | 12/16/21 | B44007 | WELL 5 ENGINE REPAIRS | \$4,227.10 |
| | | 1 | | | |
| VONAGE HOLDINGS CORPORATION | 000005297 | 12/16/21 | 2134175 | TELEPHONE SERVICES | \$10,477.04 |
| | | 1 | | | |
| WESTBOUND COMMUNICATIONS | 000005232 | 12/09/21 | 4707 | DIGITAL & SOCIAL MEDIA SERVICE | \$10,517.56 |
| | | 000005351 | 12/30/21 | 4734 | DIGITAL & SOCIAL MEDIA SERVICE |
| | 2 | | | | |
| WHITTINGHAM PUBLIC AFFAIRS ADVISORS | 000005234 | 12/09/21 | 001348 | SCAQMD CONSULTING | \$1,168.75 |
| | | 1 | | | |
| Total VARIOUS | 36 | | | | \$719,655.10 |
| WATER SUPPLY | | | | | |
| AIRGAS USA LLC | 000005256 | 12/16/21 | 9984753820 | CYLINDER RENTAL | \$112.20 |
| | | 1 | | | |
| HILL BROTHERS CHEMICAL CO. | 000005271 | 12/16/21 | 07116320 | AMMONIA | \$3,010.00 |
| | | 1 | | | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--|---------------|--------------|----------------|-------------------------------|---------------------|
| LINDE INC. | 000005227 | 12/09/21 | 67567060 | CARBON DIOXIDE TANK RENTAL | \$2,862.92 |
| | 000005287 | 12/16/21 | 67197096 | CARBON DIOXIDE | \$3,442.70 |
| | 2 | | | | \$6,305.62 |
| MUNICIPAL WATER DISTRICT OF OC | 0172107 | 12/09/21 | 2523 | SMART TIMERS - AUGUST 2021 | \$140.00 |
| | 1 | | | | \$140.00 |
| NALCO WATER PRETREATMENT SOLUTIONS | 000005281 | 12/16/21 | 2588405 | MWRWF GARDEN SUPPLIES | \$627.76 |
| | 1 | | | | \$627.76 |
| OCWD | 0172114 | 12/23/21 | 23678 | NOVEMBER GAP WTR | \$56,580.60 |
| | 1 | | | | \$56,580.60 |
| PACIFIC STAR CHEMICAL DBA NORTHSTAR CHEMICAL | 000005197 | 12/02/21 | 209918 | SOD HYPO | \$2,797.00 |
| | | 12/02/21 | 211052 | SOD HYPO | \$2,552.72 |
| | | 12/02/21 | 211053 | SOD HYPO | \$232.65 |
| | | 12/02/21 | 211054 | SOD HYPO | \$2,649.65 |
| | 000005283 | 12/16/21 | 211299 | SOD HYPO | \$2,603.12 |
| | | 12/16/21 | 211300 | SOD HYPO | \$1,822.44 |
| | | 12/16/21 | 211302 | SOD HYPO | \$209.39 |
| | 000005362 | 12/30/21 | 212444 | SOD HYPO | \$2,021.49 |
| | | 12/30/21 | 212443 | SOD HYPO | \$2,714.28 |
| | 3 | | | | \$17,602.74 |
| SEPARATION PROCESSES, INC | 000005339 | 12/30/21 | 10312 | SUPPORT SERVICES | \$4,231.72 |
| | 1 | | | | \$4,231.72 |
| TESTOIL | 000005342 | 12/30/21 | 313413 | OIL TESTING | \$583.44 |
| | 1 | | | | \$583.44 |
| UNITED WATERWORKS INC. | 000005204 | 12/09/21 | S100103375.001 | WATER OPS SUPPLIES | \$313.91 |
| | | 12/09/21 | S100100605.003 | M21-220B VAULT REHABILITATION | \$27,120.85 |
| | | 12/09/21 | S100100605.002 | M21-220B VAULT REHABILITATION | \$13,624.73 |
| | 000005347 | 12/30/21 | S100103676.001 | WATER OPS SUPPLIES | \$1,809.31 |
| | 2 | | | | \$42,868.80 |
| Total WATER SUPPLY | 14 | | | | \$132,062.88 |
| WATER SYSTEM | | | | | |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|--------------------------------|---------------|--------------|----------------|--------------------------|-------------------|
| ALS TRUESDAIL LABORATORIES INC | 000005248 | 12/09/21 | 522104967 | WATER QUALITY TESTING | \$51.00 |
| | | 12/09/21 | 522104952 | WATER QUALITY TESTING | \$66.00 |
| | | 12/09/21 | 522104931 | WATER QUALITY TESTING | \$44.00 |
| | | 12/09/21 | 522104928 | WATER QUALITY TESTING | \$22.00 |
| | | 12/09/21 | 522104973 | WATER QUALITY TESTING | \$44.00 |
| | 000005293 | 12/16/21 | 522105082 | WATER QUALITY TESTING | \$440.00 |
| | 000005346 | 12/30/21 | 522105150 | WATER QUALITY TESTING | \$220.00 |
| 3 | | | | | \$887.00 |
| BADGER METER INC. | 000005190 | 12/02/21 | 80084789 | METER CELLULAR ENDPOINTS | \$209.15 |
| | | 12/02/21 | 80082715 | METER CELLULAR ENDPOINTS | \$217.16 |
| | | 12/02/21 | 80080699 | METER CELLULAR ENDPOINTS | \$212.71 |
| | 000005208 | 12/09/21 | 80087004 | METER CELLULAR ENDPOINTS | \$222.50 |
| | 000005308 | 12/16/21 | 1474884 | METERS | \$610.21 |
| | | 12/16/21 | 1473253 | C0071-20-01 METERS | \$237.05 |
| 3 | | | | | \$1,708.78 |
| BATTERY MART INC | 000005355 | 12/30/21 | 40680 | BATTERIES | \$432.89 |
| | 1 | | | | |
| C. WELLS PIPELINE MATERIALS | 000005264 | 12/16/21 | SINV21-3366 | PIPE SUPPLIES | \$1,260.68 |
| | 1 | | | | |
| CHARLES P CROWLEY | 000005322 | 12/30/21 | 29312 | WATER OPS PARTS | \$325.41 |
| | 1 | | | | |
| DIG SAFE BOARD | 000005243 | 12/09/21 | DSB20206022 | DIG SAFE BOARD FEES | \$317.32 |
| | 1 | | | | |
| EWLES MATERIALS INC | 000005217 | 12/09/21 | 428584 | BOBTAIL DUMP FEES | \$1,080.00 |
| | 000005266 | 12/16/21 | 428950 | BOBTAIL DUMP FEES | \$540.00 |
| | 2 | | | | |
| EXPRESS PIPE & SUPPLY CO. INC | 000005244 | 12/09/21 | S111836418.001 | PIPE SUPPLIES | \$51.19 |
| | | 12/09/21 | S111836243.001 | PIPE SUPPLIES | \$204.73 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|-------------------------------|---------------|--------------|----------------|------------------------------|-------------------|
| EXPRESS PIPE & SUPPLY CO. INC | 000005244 | 12/09/21 | S111837192.001 | PIPE SUPPLIES | \$19.10 |
| | 000005267 | 12/16/21 | S111877213.001 | PIPE SUPPLIES | \$289.26 |
| | 2 | | | | \$564.28 |
| GOLDEN METERS SERVICE | 000005359 | 12/30/21 | 1614 | METER TESTS & REPAIRS | \$8,884.64 |
| | 1 | | | | \$8,884.64 |
| IRVINE PIPE & SUPPLY | 000005194 | 12/02/21 | 1032012 | PIPE FITTINGS & SUPPLIES | \$66.44 |
| | | 12/02/21 | 1032173 | PIPE FITTINGS & SUPPLIES | \$887.17 |
| | 000005272 | 12/16/21 | 1032874 | PIPE FITTINGS & SUPPLIES | \$62.79 |
| | 2 | | | | \$1,016.40 |
| LARRY'S BUILDING MATERIALS | 000005195 | 12/02/21 | CM-134181 | M22-001MV PAVING MATERIALS | \$40.89 |
| | | 12/02/21 | CM-134186 | PAVING MATERIALS | \$151.71 |
| | 000005275 | 12/16/21 | CM-134367 | M22-001FH PAVING MATERIALS | \$68.42 |
| | | 12/16/21 | CM-134370 | M22-001FH PAVING MATERIALS | \$34.21 |
| | 2 | | | | \$295.23 |
| LINDE GAS & EQUIPMENT INC. | 000005226 | 12/09/21 | 67300345 | CARBON DIOXIDE TANK RENTAL | \$169.26 |
| | 000005337 | 12/30/21 | 67739935 | WELDING SUPPLIES | \$64.89 |
| | 2 | | | | \$234.15 |
| OMAR & SON'S TRUCKING | 000005175 | 12/02/21 | 6511 | DIRT HAULING | \$808.00 |
| | 1 | | | | \$808.00 |
| RELIABLE MONITORING SERVICES | 000005229 | 12/09/21 | 2122447 | GAS DETECTION SYS-CALIBRATE | \$450.00 |
| | | 12/09/21 | 2122446 | GAS DETECTION SYS-CALIBRATE | \$450.00 |
| | 1 | | | | \$900.00 |
| S & J SUPPLY CO. | 000005289 | 12/16/21 | S100179798.001 | PIPELINE MATERIALS | \$9,693.19 |
| | 1 | | | | \$9,693.19 |
| SOUTH COAST A.Q.M.D. | 000005246 | 12/09/21 | 3911669 | ANNUAL RENEWAL FEES-ICE/GAS | \$2,200.75 |
| | | 12/09/21 | 3914016 | FY21/22 FLAT FEE - EMISSIONS | \$142.59 |
| | 1 | | | | \$2,343.34 |
| TAMORI DESIGNS | 000005291 | 12/16/21 | 1526 | PRINTING - DOOR HANGERS | \$507.50 |

Payment Listing by Class

12/1/2021 - 12/31/2021

| Vendor Name | Check #/Count | Payment Date | Invoice Number | Invoice Description | Payment Amount |
|-----------------------------|---------------|--------------|----------------|------------------------------|-----------------------|
| | 1 | | | | \$507.50 |
| VULCAN MATERIALS | 000005200 | 12/02/21 | 73096956 | PAVING MATERIALS | \$130.84 |
| | | 12/02/21 | 73123583 | PAVING MATERIALS | \$173.18 |
| | 000005298 | 12/16/21 | 73145568 | M22-001FH PAVING MATERIALS | \$180.68 |
| | | 12/16/21 | 73142346 | M22-001FH PAVING MATERIALS | \$141.74 |
| | | 12/16/21 | 73139776 | M22-001MV PAVING MATERIALS | \$138.20 |
| | 000005350 | 12/30/21 | 73148217 | Receivings Transaction Entry | \$217.67 |
| | 3 | | | | \$982.31 |
| WEST COAST SAND & GRAVEL | 000005180 | 12/02/21 | 435900 | FILL SAND | \$801.50 |
| | 1 | | | | \$801.50 |
| Total WATER SYSTEM | 30 | | | | \$33,582.62 |
| Total Payments (All) | 210 | | | | \$2,349,736.54 |



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: January 25, 2022
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 12/31/21
Attachment B: Monthly Treasurer's Status Report on Investments as of 11/30/21

Mesa Water District
Quarterly Treasurer's Report on Investments
As of 12/31/2021



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.

| Investments | Maturity Date | Days to Maturity | Yield to Maturity @ Cost | Cost Value | % of Portfolio | Policy % Limit | Market Value | Interest Year to Date | Notes |
|--|---------------|------------------|--------------------------|------------------------|----------------|----------------|------------------------|-----------------------|-------|
| Local Agency Investment Fund (LAIF) | Liquid | 1 | 0.21% | 1,084.09 | 0.00% | No Limit | 1,084.09 | 1.54 | 1,4 |
| Orange County Investment Pool (OCIP) | Liquid | 1 | 0.34% | 827,706.40 | 1.89% | No Limit | 827,706.40 | 2,161.26 | 1,6 |
| Miscellaneous (Petty Cash, Emergency Cash, etc.) | Liquid | 1 | 0.00% | 14,000.00 | 0.03% | N/A | 14,000.00 | 0.00 | |
| US Bank Custody Account | | | | | | | | | 2,5 |
| Negotiable CD | Various | 939 | 1.32% | 10,379,000.00 | 23.79% | 30.00% | 10,440,435.49 | 72,290.62 | |
| US Agency | Various | 1,047 | 0.84% | 15,872,676.64 | 35.16% | No Limit | 15,683,635.45 | 75,197.50 | |
| US Treasury | Various | 1,167 | 0.47% | 1,988,227.68 | 5.02% | No Limit | 1,956,802.50 | 2,031.25 | |
| Sub Total / Average | | 1,016 | 0.99% | 28,239,904.32 | | | 28,080,873.44 | 149,519.37 | |
| US Bank Custody Account | Liquid | 1 | 0.01% | 239,858.99 | 0.55% | No Limit | 239,858.99 | 24.74 | |
| Pacific Premier Bank | Liquid | 1 | 1.25% | 14,730,553.51 | 33.56% | No Limit | 14,730,553.51 | 0.00 | 1,3 |
| Total Average | | 650 | 1.06% | \$44,053,107.31 | 100.00% | | \$43,894,076.43 | \$151,706.91 | |

| PARS OPEB & Pension Trust | 1 Month Rate of Return | 3 Month Rate of Return | Cost Value | Market Value |
|--|------------------------|------------------------|----------------------|----------------------|
| Public Agency Retirement Services (PARS) | | | | |
| Capital Appreciation HighMark PLUS Fund | | | | |
| OPEB | 2.89% | 4.83% | 1,833,050.67 | 2,223,707.09 |
| Pension Trust | 2.73% | 4.71% | 13,641,592.00 | 16,599,720.35 |
| | | | 15,474,642.67 | 18,823,427.44 |

Sources of Market Value Valuation - Account Statements

LAIF, OCIP & US Bank

Local Agency Investment Fund (LAIF)

District LAIF includes the funds designated for advances; construction, customer deposits, working capital cash and monies to pay COP principal/interest payments.

Weighted Average Return | 1.06 %

Benchmark: 3 Month Treasury Bill - December | .06 %

Weighted Average Maturity | 1.80 Years

Days to Maturity | 650

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

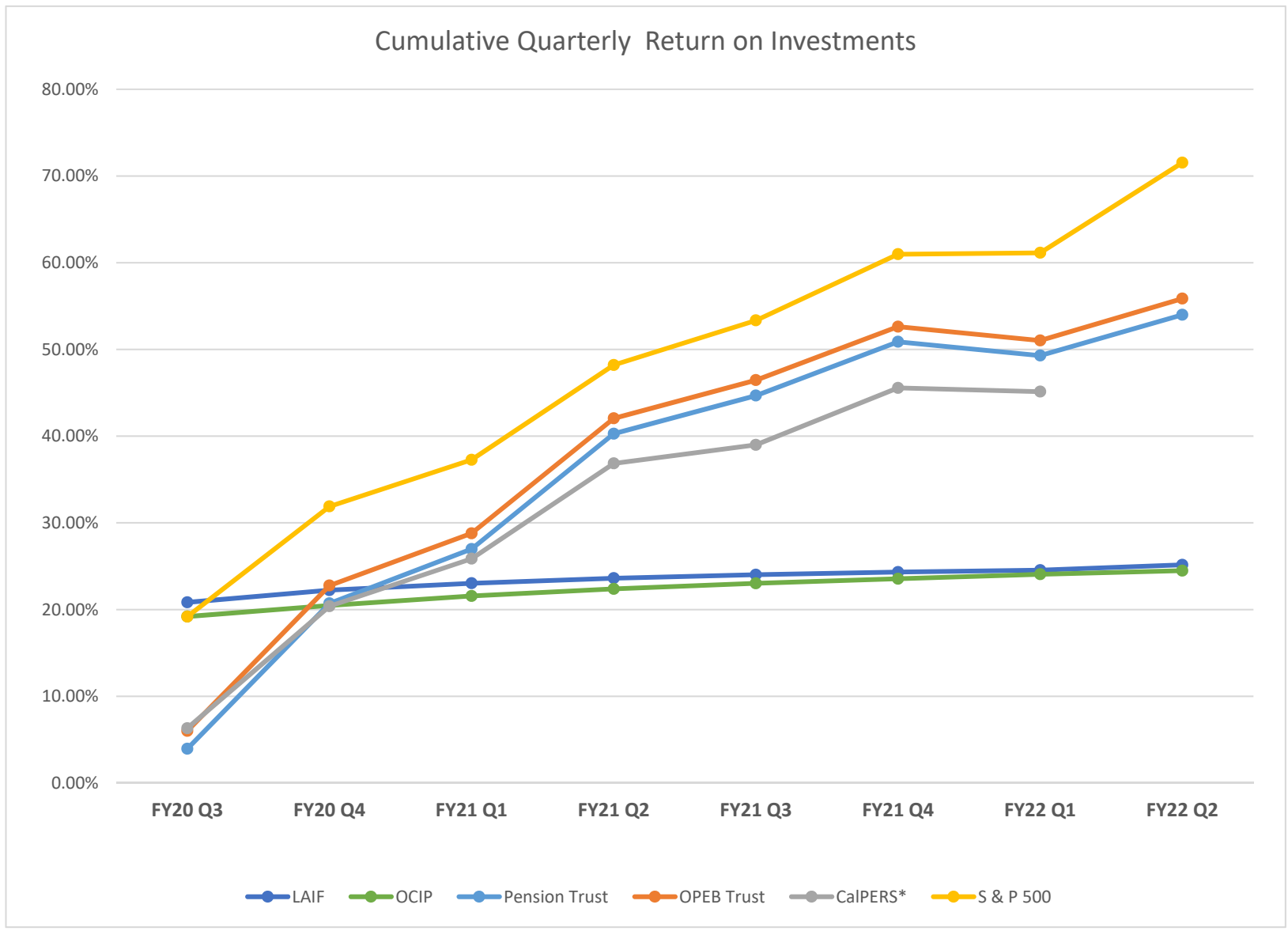
1 Month | 3.55 % 3 Month | 10.40 % 1 YEAR | 26.60 %

Notes

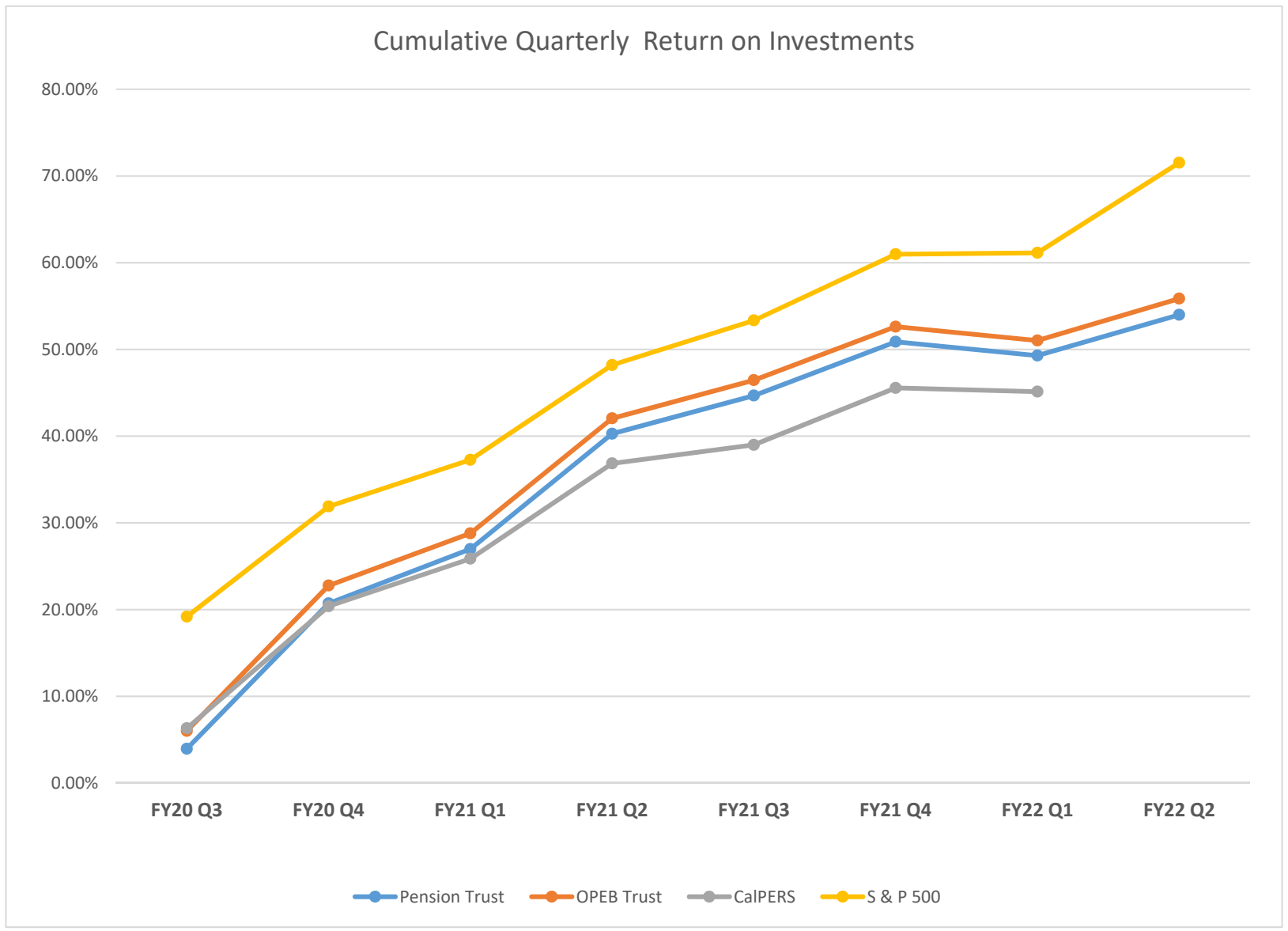
- The interest or yield shown is for the current month net of fees.
- The interest rate (Yield to Maturity @Cost) shown is the guaranteed annual interest rate for the term of the investment.
- The rate shown is the Earnings Credit Rate. These earnings are applied against bank service charges; no actual monies are received.
- LAIF general ledger carrying value reflects market value (unrealized gains/losses) only at fiscal year end. LAIF only provides the market value participation factor quarterly. The December Fair Value Factor is 0.997439120. The yield earned on the Treasurer's Reports does not reflect change in fair market value.
- US Bank Custody Account general ledger carrying value reflects market value (unrealized gains/losses). The Yield earned does not reflect change in fair market value.
- Orange County Investment Pool - December 2021 | Net Asset Value is 1.00.

I certify that this report reflects the cash and investments of Mesa Water District and is in conformity with the Government Code requirements and the District Investment Policy/Guidelines in effect at the time of the investment.

Marwan Khalifa
 Marwan Khalifa, CPA, MBA, District Treasurer



*** CalPERS FY22 Q2 data was unavailable at time of publishing.**



*** CalPERS FY22 Q2 data was unavailable at time of publishing.**

Mesa Water District
 Transactions Summary
 Quarterly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: Report Group | Treasurer's Report
 Begin Date: 09/30/2021, End Date: 12/31/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|---|--------------|------------|-----------------|---------------|---------------------|---------------------|--------------------|---------------------|
| Buy | | | | | | | | |
| T-Note 0.375 10/31/2023 | 91282CDD0 | 0.305 | 11/10/2021 | 10/31/2023 | 250,000.00 | 250,343.85 | 25.90 | 250,369.75 |
| FHLMC 0.8 10/27/2026-21 | 3134GW4C7 | 1.065 | 11/10/2021 | 10/27/2026 | 250,000.00 | 246,800.00 | 72.22 | 246,872.22 |
| FHLB 0.85 3/30/2026-21 | 3130ANY79 | 0.950 | 11/10/2021 | 3/30/2026 | 250,000.00 | 248,927.50 | 236.11 | 249,163.61 |
| Capital One Bank VA 1.1 11/17/2026 | 14042TDW4 | 1.100 | 11/17/2021 | 11/17/2026 | 248,000.00 | 248,000.00 | 0.00 | 248,000.00 |
| FFCB 1.46 11/30/2026-23 | 3133ENFP0 | 1.320 | 11/30/2021 | 11/30/2026 | 250,000.00 | 251,687.50 | 0.00 | 251,687.50 |
| Sub Total / Average Buy | | | | | 1,248,000.00 | 1,245,758.85 | 334.23 | 1,246,093.08 |
| Matured | | | | | | | | |
| Countryside Federal CU NY 1.65 10/28/2021 | 22239MAL2 | 0.000 | 10/28/2021 | 10/28/2021 | 247,000.00 | 247,000.00 | 0.00 | 247,000.00 |
| FHLB 2 11/10/2021-18 | 3130A9S44 | 0.000 | 11/10/2021 | 11/10/2021 | 750,000.00 | 750,000.00 | 0.00 | 750,000.00 |
| Bank of Baroda 1.85 11/23/2021 | 06062QXG4 | 0.000 | 11/23/2021 | 11/23/2021 | 247,000.00 | 247,000.00 | 0.00 | 247,000.00 |
| Sub Total / Average Matured | | | | | 1,244,000.00 | 1,244,000.00 | 0.00 | 1,244,000.00 |

Mesa Water District
Date To Date
Quarterly Report - 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: 12/31/2021

| 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 | 1,084.09 | 1.54 | 0.00 |
| Sub Total/Average | | | | | 1,084.09 | 1.54 | 0.00 |
| Orange County LGIP - OCIP Policy - No Limit | | | | | | | |
| Orange County Investment Pool LGIP | LGIP9LC | 9/30/2011 | N/A | N/A | 827,706.40 | 2,161.26 | 0.00 |
| Sub Total/Average | | | | | 827,706.40 | 2,161.26 | 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 CD30% | | | | | | | |
| Wells Fargo SD 1.6 8/3/2021 | 9497486Z5 | 8/3/2016 | 8/3/2021 | 1.600 | 0.00 | 660.47 | 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 | 0.00 | 2,054.50 | 0.00 |
| Countryside Federal CU NY 1.65 10/28/2021 | 22239MAL2 | 10/28/2016 | 10/28/2021 | 1.650 | 0.00 | 1,362.22 | 0.00 |
| Bank of Baroda 1.85 11/23/2021 | 06062QXG4 | 11/23/2016 | 11/23/2021 | 1.850 | 0.00 | 2,303.53 | 0.00 |
| First National Bank MI 2 1/20/2022 | 32110YJT3 | 1/20/2017 | 1/20/2022 | 2.000 | 201,000.00 | 2,015.49 | 0.00 |
| State Bank India NY 2.35 3/14/2022 | 8562846V1 | 3/14/2017 | 3/14/2022 | 2.350 | 247,000.00 | 2,926.10 | 0.00 |
| American Express 2.45 4/5/2022 | 02587DN38 | 4/5/2017 | 4/5/2022 | 2.450 | 247,000.00 | 3,034.04 | 0.00 |
| Homestreet Bank WA 0.1 8/22/2022 | 43785QPQ0 | 2/22/2021 | 8/22/2022 | 0.100 | 249,000.00 | 124.86 | 0.00 |
| Ally Bank UT 1.85 10/24/2022 | 02007GML4 | 10/24/2019 | 10/24/2022 | 1.850 | 247,000.00 | 2,291.01 | 0.00 |
| Preferred Bank CA 0.25 7/17/2023 | 740367LV7 | 7/17/2020 | 7/17/2023 | 0.250 | 249,000.00 | 312.09 | 0.00 |
| Merrick Bank UT 3 7/31/2023 | 59013J6G9 | 1/30/2019 | 7/31/2023 | 3.000 | 249,000.00 | 3,745.23 | 0.00 |
| Enterprise Bank & Trust 1.75 11/8/2023 | 29367SJR6 | 11/8/2019 | 11/8/2023 | 1.750 | 249,000.00 | 2,184.72 | 0.00 |
| Raymond James Bank 1.75 11/8/2023 | 75472RAH4 | 11/8/2019 | 11/8/2023 | 1.750 | 247,000.00 | 2,179.01 | 0.00 |
| Third Federal Savings 1.75 11/13/2023 | 88413QCJ5 | 11/12/2019 | 11/13/2023 | 1.750 | 247,000.00 | 2,179.01 | 0.00 |
| Marlin Business Bank UT 1.7 12/4/2023 | 57116ATG3 | 12/2/2019 | 12/4/2023 | 1.700 | 249,000.00 | 2,122.32 | 0.00 |
| John Marshall Bancorp VA 0.2 12/29/2023 | 47804GGC1 | 12/30/2020 | 12/29/2023 | 0.200 | 249,000.00 | 249.69 | 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 |

| Description | CUSIP/Ticker | Settlement Date | Maturity Date | Coupon Rate | Ending Face Amount/Shares | Interest/Dividends | Sell Accrued Interest |
|--|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| Bankwell Bank CT 0.35 1/30/2024 | 06654BCM1 | 7/30/2020 | 1/30/2024 | 0.350 | 249,000.00 | 432.17 | 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 |
| Enerbank UT 1.15 4/29/2024 | 29278TNY2 | 4/29/2020 | 4/29/2024 | 1.150 | 249,000.00 | 1,435.68 | 0.00 |
| First Freedom Bank 1.1 4/30/2024 | 32027BAM9 | 4/30/2020 | 4/30/2024 | 1.100 | 249,000.00 | 1,373.25 | 0.00 |
| Capital One VA 2.65 5/22/2024 | 14042RLP4 | 5/22/2019 | 5/22/2024 | 2.650 | 246,000.00 | 3,286.29 | 0.00 |
| Eaglebank MD 2.5 5/24/2024 | 27002YEN2 | 5/24/2019 | 5/24/2024 | 2.500 | 249,000.00 | 3,121.02 | 0.00 |
| Farm Bureau Bank NV 0.25 7/9/2024 | 307660LK4 | 10/9/2020 | 7/9/2024 | 0.250 | 249,000.00 | 312.09 | 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 |
| Synchrony Bank UT 0.55 9/3/2024 | 87164WA73 | 9/3/2021 | 9/3/2024 | 0.550 | 249,000.00 | 0.00 | 0.00 |
| Sallie Mae Bank UT 1.9 10/16/2024 | 7954504P7 | 10/17/2019 | 10/16/2024 | 1.900 | 247,000.00 | 2,352.93 | 0.00 |
| Celtic Bank UT 1.65 10/23/2024 | 15118RSV0 | 10/23/2019 | 10/23/2024 | 1.650 | 249,000.00 | 2,059.86 | 0.00 |
| Garnett State Bank 1.7 11/19/2024 | 366526AW1 | 11/19/2019 | 11/19/2024 | 1.700 | 249,000.00 | 2,122.32 | 0.00 |
| Citizens State Bank 1.7 11/22/2024 | 176688CR8 | 11/22/2019 | 11/22/2024 | 1.700 | 249,000.00 | 2,122.32 | 0.00 |
| Transportation Alliance Bank 0.4 1/30/2025 | 89388CFD5 | 8/3/2021 | 1/30/2025 | 0.400 | 247,000.00 | 414.15 | 0.00 |
| BMO Harris Bank IL 0.5 3/28/2025-20 | 05600XAY6 | 9/28/2020 | 3/28/2025 | 0.500 | 249,000.00 | 624.21 | 0.00 |
| Baycoast Bank MA 0.9 3/31/2025 | 072727BG4 | 3/31/2020 | 3/31/2025 | 0.900 | 248,000.00 | 1,119.06 | 0.00 |
| First Commercial Bank MS 0.3 3/31/2025 | 31984GFK0 | 9/30/2020 | 3/31/2025 | 0.300 | 249,000.00 | 374.52 | 0.00 |
| Flagstar Bank MI 1.25 4/30/2025 | 33847E3A3 | 4/30/2020 | 4/30/2025 | 1.250 | 248,000.00 | 1,554.25 | 0.00 |
| Apex Bank TN 0.95 5/8/2025 | 03753XBK5 | 5/8/2020 | 5/8/2025 | 0.950 | 249,000.00 | 1,185.99 | 0.00 |
| Seattle Bank WA 0.75 6/2/2025-20 | 81258PKJ1 | 6/2/2020 | 6/2/2025 | 0.750 | 249,000.00 | 936.30 | 0.00 |
| Medallion Bank UT 0.6 7/15/2025 | 58404DHM6 | 7/15/2020 | 7/15/2025 | 0.600 | 249,000.00 | 749.04 | 0.00 |
| BMW Bank UT 0.5 9/25/2025 | 05580AXF6 | 9/25/2020 | 9/25/2025 | 0.500 | 249,000.00 | 627.62 | 0.00 |
| Texas Exchange Bank TX 0.6 12/18/2025 | 88241TJR2 | 12/18/2020 | 12/18/2025 | 0.600 | 249,000.00 | 749.04 | 0.00 |
| JPMorgan Chase OH 0.5 12/29/2025-21 | 48128UUZ0 | 12/29/2020 | 12/29/2025 | 0.500 | 249,000.00 | 624.21 | 0.00 |
| Live Oak Banking NC 0.5 2/10/2026 | 538036NE0 | 2/10/2021 | 2/10/2026 | 0.500 | 249,000.00 | 624.21 | 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 |
| UBS Bank UT 0.95 8/25/2026 | 90348JS50 | 8/25/2021 | 8/25/2026 | 0.950 | 249,000.00 | 790.66 | 0.00 |
| Capital One Bank VA 1.1 11/17/2026 | 14042TDW4 | 11/17/2021 | 11/17/2026 | 1.100 | 248,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 10,379,000.00 | 72,290.62 | 0.00 |
| US Agency - No Limit | | | | | | | |
| FHLB 2 11/10/2021-18 | 3130A9S44 | 11/10/2016 | 11/10/2021 | 2.000 | 0.00 | 7,500.00 | 0.00 |
| FNMA 1.875 4/5/2022 | 3135G0T45 | 3/23/2020 | 4/5/2022 | 1.875 | 500,000.00 | 4,687.50 | 0.00 |
| FNMA 1.375 9/6/2022 | 3135G0W33 | 11/8/2019 | 9/6/2022 | 1.375 | 500,000.00 | 3,437.50 | 0.00 |
| FHLB 3 12/9/2022 | 3130AFE78 | 1/9/2019 | 12/9/2022 | 3.000 | 1,000,000.00 | 15,000.00 | 0.00 |
| FFCB 0.125 5/3/2023-21 | 3133EMPA4 | 2/5/2021 | 5/3/2023 | 0.125 | 250,000.00 | 156.25 | 0.00 |
| FFCB 2.125 6/5/2023 | 3133EKPT7 | 11/8/2019 | 6/5/2023 | 2.125 | 500,000.00 | 5,312.50 | 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 |
|--------------------------|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| FAMC 3.05 9/19/2023 | 3132X06C0 | 1/9/2019 | 9/19/2023 | 3.050 | 500,000.00 | 7,625.00 | 0.00 |
| FFCB 0.25 9/21/2023-22 | 3133EMAM4 | 9/24/2020 | 9/21/2023 | 0.250 | 500,000.00 | 625.00 | 0.00 |
| FHLMC 0.4 10/23/2023-21 | 3134GV6D5 | 7/23/2020 | 10/23/2023 | 0.400 | 0.00 | 500.00 | 0.00 |
| T-Note 0.375 10/31/2023 | 91282CDD0 | 11/10/2021 | 10/31/2023 | 0.375 | 250,000.00 | 0.00 | 0.00 |
| FFCB 0.27 11/3/2023-22 | 3133EMFN7 | 11/3/2020 | 11/3/2023 | 0.270 | 250,000.00 | 337.50 | 0.00 |
| FHLMC 0.3 11/13/2023-22 | 3134GXAY0 | 11/13/2020 | 11/13/2023 | 0.300 | 250,000.00 | 375.00 | 0.00 |
| FFCB 0.25 3/1/2024-21 | 3133EMSD5 | 3/24/2021 | 3/1/2024 | 0.250 | 250,000.00 | 312.50 | 0.00 |
| FHLMC 0.5 5/20/2024-22 | 3134GVXR4 | 5/21/2020 | 5/20/2024 | 0.500 | 500,000.00 | 1,250.00 | 0.00 |
| FAMC 2.15 6/5/2024 | 31422BGA2 | 11/8/2019 | 6/5/2024 | 2.150 | 500,000.00 | 5,375.00 | 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 0.35 9/30/2024-22 | 3134GWVM5 | 9/30/2020 | 9/30/2024 | 0.350 | 250,000.00 | 437.50 | 0.00 |
| FFCB 0.3 11/12/2024-21 | 3133EMQQ8 | 3/2/2021 | 11/12/2024 | 0.300 | 250,000.00 | 375.00 | 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 2/24/2025-22 | 3130ANQ86 | 8/24/2021 | 2/24/2025 | 0.625 | 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 | 537.50 | 0.00 |
| FHLB 0.5 3/10/2025-21 | 3130ALDZ4 | 3/24/2021 | 3/10/2025 | 0.500 | 250,000.00 | 625.00 | 0.00 |
| FHLMC 0.7 5/13/2025-21 | 3134GVSY5 | 5/13/2020 | 5/13/2025 | 0.700 | 500,000.00 | 1,750.00 | 0.00 |
| FFCB 0.6 6/16/2025-22 | 3133EMH47 | 6/17/2021 | 6/16/2025 | 0.600 | 250,000.00 | 750.00 | 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 |
| FNMA 0.5 8/14/2025-23 | 3135G05S8 | 4/29/2021 | 8/14/2025 | 0.500 | 250,000.00 | 625.00 | 0.00 |
| FNMA 0.375 8/25/2025 | 3135G05X7 | 11/12/2020 | 8/25/2025 | 0.375 | 250,000.00 | 468.75 | 0.00 |
| FFCB 0.53 9/29/2025-21 | 3133EMBH4 | 6/17/2021 | 9/29/2025 | 0.530 | 500,000.00 | 1,325.00 | 0.00 |
| FHLMC 0.4 9/30/2025-21 | 3134GWVP8 | 9/30/2020 | 9/30/2025 | 0.400 | 250,000.00 | 500.00 | 0.00 |
| FHLMC 0.65 10/27/2025-21 | 3134GW5R3 | 5/25/2021 | 10/27/2025 | 0.650 | 375,000.00 | 1,218.75 | 0.00 |
| FHLMC 0.45 10/29/2025-21 | 3134GW3J3 | 4/22/2021 | 10/29/2025 | 0.450 | 250,000.00 | 562.50 | 0.00 |
| FNMA 0.54 11/3/2025-22 | 3135GA2G5 | 10/30/2020 | 11/3/2025 | 0.540 | 500,000.00 | 1,350.00 | 0.00 |
| FNMA 0.56 11/17/2025-22 | 3135GA2Z3 | 11/17/2020 | 11/17/2025 | 0.560 | 325,000.00 | 910.00 | 0.00 |
| FNMA 0.58 11/25/2025-22 | 3135GA5E7 | 11/30/2020 | 11/25/2025 | 0.580 | 250,000.00 | 725.00 | 0.00 |
| FFCB 0.47 12/22/2025-22 | 3133EMLC4 | 12/22/2020 | 12/22/2025 | 0.470 | 250,000.00 | 587.50 | 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 |
| 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 2/24/2026-21 | 3130AL7M0 | 3/2/2021 | 2/24/2026 | 0.625 | 250,000.00 | 781.25 | 0.00 |
| FFCB 0.8 3/9/2026-23 | 3133EMSU7 | 9/24/2021 | 3/9/2026 | 0.800 | 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 | 750.00 | 0.00 |
| FHLB 0.75 3/16/2026-21 | 3130ALF33 | 3/24/2021 | 3/16/2026 | 0.750 | 250,000.00 | 937.50 | 0.00 |
| FHLB 0.85 3/30/2026-21 | 3130ANY79 | 11/10/2021 | 3/30/2026 | 0.850 | 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 | 1,287.50 | 0.00 |
| FHLB 0.875 5/26/2026-21 | 3130AMHB1 | 5/28/2021 | 5/26/2026 | 0.875 | 250,000.00 | 1,093.75 | 0.00 |
| FFCB 0.9 6/15/2026-22 | 3133EMH21 | 6/17/2021 | 6/15/2026 | 0.900 | 250,000.00 | 1,125.00 | 0.00 |

| Description | CUSIP/Ticker | Settlement Date | Maturity Date | Coupon Rate | Ending Face Amount/Shares | Interest/Dividends | Sell Accrued Interest |
|--|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| FFCB 0.94 9/28/2026-22 | 3133EM6E7 | 9/28/2021 | 9/28/2026 | 0.940 | 250,000.00 | 0.00 | 0.00 |
| FHLMC 0.8 10/27/2026-21 | 3134GW4C7 | 11/10/2021 | 10/27/2026 | 0.800 | 250,000.00 | 0.00 | 0.00 |
| FFCB 1.46 11/30/2026-23 | 3133ENFP0 | 11/30/2021 | 11/30/2026 | 1.460 | 250,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 15,810,000.00 | 75,197.50 | 0.00 |
| US Treasury - No Limit | | | | | | | |
| T-Note 0.125 2/15/2024 | 91282CBM2 | 8/19/2021 | 2/15/2024 | 0.125 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.25 3/15/2024 | 91282CBR1 | 9/24/2021 | 3/15/2024 | 0.250 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.25 6/15/2024 | 91282CCG4 | 9/24/2021 | 6/15/2024 | 0.250 | 250,000.00 | 312.50 | 0.00 |
| T-Note 0.375 4/30/2025 | 912828ZL7 | 7/1/2021 | 4/30/2025 | 0.375 | 250,000.00 | 468.75 | 0.00 |
| T-Note 0.375 4/30/2025 | 912828ZL7 | 8/19/2021 | 4/30/2025 | 0.375 | 250,000.00 | 468.75 | 0.00 |
| T-Note 0.25 6/30/2025 | 912828ZW3 | 4/22/2021 | 6/30/2025 | 0.250 | 250,000.00 | 312.50 | 0.00 |
| T-Note 0.375 1/31/2026 | 91282CBH3 | 4/29/2021 | 1/31/2026 | 0.375 | 250,000.00 | 468.75 | 0.00 |
| T-Note 0.625 7/31/2026 | 91282CCP4 | 9/24/2021 | 7/31/2026 | 0.625 | 250,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 2,000,000.00 | 2,031.25 | 0.00 |
| US Bank MM Custody Policy 50% | | | | | | | |
| US Bank Custodian MM | MM65000 | 7/31/2020 | N/A | N/A | 239,858.99 | 24.74 | 0.00 |
| Sub Total/Average | | | | | 239,858.99 | 24.74 | 0.00 |
| Pacific Premier Bank Policy - n/a | | | | | | | |
| Pacific Premier Bank Checking Cash | MM0831 | 5/28/2020 | N/A | N/A | 14,730,553.51 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 14,730,553.51 | 0.00 | 0.00 |
| Total / Average | | | | | 44,002,202.99 | 151,706.91 | 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 12/31/2021

| Description | CUSIP/Ticker | Security Type | Face Amount/Shares | Cost Value | Market Value |
|--|--------------|---------------|--------------------|---------------------|---------------------|
| PARS OPEB Trust | | | | | |
| Columbia Contrarian Fund | 19766M709 | Mutual Fund | 5,293.31 | 135,780.28 | 180,342.50 |
| DFA Large Cap | 233203868 | Mutual Fund | 4,692.84 | 107,681.28 | 128,536.54 |
| Dodge & Cox International | 256206103 | Mutual Fund | 1,359.02 | 52,773.77 | 64,266.94 |
| Dodge & Cox Stock Fund | 256219106 | Mutual Fund | 632.26 | 115,982.18 | 155,069.29 |
| Doubeline Core Fix Income | 258620301 | Mutual Fund | 10,796.54 | 119,343.00 | 118,113.93 |
| Harbor Capital Appreciation | 411512528 | Mutual Fund | 929.44 | 76,195.77 | 93,780.29 |
| Hartford Schroders | 41665X859 | Mutual Fund | 5,818.96 | 102,617.71 | 110,909.57 |
| iShares Russell Mid Cap | 464287499 | Mutual Fund | 1,730.00 | 60,369.50 | 143,607.30 |
| iShares SP500 | 464287408 | Mutual Fund | 459.00 | 59,816.59 | 71,893.17 |
| MFS International | 552746356 | Mutual Fund | 1,465.70 | 46,962.22 | 63,977.40 |
| PGIM Total Return Bond | 74440B884 | Mutual Fund | 8,223.88 | 120,936.41 | 119,163.01 |
| PIMCO | 693390841 | Mutual Fund | 3,109.34 | 28,085.34 | 28,077.33 |
| Pimco Total Return Fund | 693390700 | Mutual Fund | 11,588.75 | 121,950.50 | 119,016.40 |
| Price T Rowe Growth | 741479406 | Mutual Fund | 891.98 | 64,195.53 | 94,853.89 |
| Undiscovered | 904504479 | Mutual Fund | 1,616.09 | 105,294.40 | 134,894.60 |
| US Bank PARS - OPEB Trust MM | MM4900 | Money Market | 40,355.85 | 40,355.85 | 40,355.85 |
| Vanguard Growth & Income | 921913208 | Mutual Fund | 3,349.22 | 262,155.70 | 349,291.39 |
| Vanguard Real Estate | 922908553 | Mutual Fund | 401.00 | 32,980.77 | 46,520.01 |
| Vanguard Short Term | 922031836 | Mutual Fund | 4,654.86 | 50,579.99 | 50,132.64 |
| Victory RS | 92647Q363 | Mutual Fund | 1,397.31 | 128,993.88 | 110,905.04 |
| Sub Total / Average PARS OPEB Trust | | | 108,765.35 | 1,833,050.67 | 2,223,707.09 |
| Total / Average | | | 108,765.35 | 1,833,050.67 | 2,223,707.09 |

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 12/31/2021

| Description | CUSIP/Ticker | Security Type | Face Amount/Shares | Cost Value | Market Value |
|---|--------------|---------------|---------------------|----------------------|----------------------|
| PARS Pension Trust | | | | | |
| Columbia Contrarian Fund | 19766M709 | Mutual Fund | 34,968.95 | 907,293.78 | 1,191,391.78 |
| DFA Large Cap | 233203868 | Mutual Fund | 35,265.09 | 800,256.33 | 965,910.69 |
| Dodge & Cox International | 256206103 | Mutual Fund | 9,953.91 | 410,822.00 | 470,720.52 |
| Dodge & Cox Stock Fund | 256219106 | Mutual Fund | 4,664.99 | 877,393.62 | 1,144,134.21 |
| Doubeline Core Fix Income | 258620301 | Mutual Fund | 81,128.39 | 892,248.08 | 887,544.32 |
| Harbor Capital Appreciation | 411512528 | Mutual Fund | 5,841.18 | 467,900.07 | 589,376.68 |
| Hartford Schroders | 41665X859 | Mutual Fund | 43,123.97 | 738,828.30 | 821,942.91 |
| iShares Russell Mid Cap | 464287499 | Mutual Fund | 13,001.00 | 308,630.16 | 1,079,213.01 |
| iShares SP500 | 464287408 | Mutual Fund | 3,444.00 | 449,534.13 | 539,433.72 |
| MFS International | 552746356 | Mutual Fund | 10,287.74 | 346,020.86 | 449,060.64 |
| PGIM Total Return Bond | 74440B884 | Mutual Fund | 61,319.24 | 896,225.21 | 888,516.16 |
| PIMCO | 693390841 | Mutual Fund | 23,364.50 | 210,912.34 | 210,981.45 |
| Pimco Total Return Fund | 693390700 | Mutual Fund | 86,547.42 | 903,284.36 | 888,841.99 |
| Price T Rowe Growth | 741479406 | Mutual Fund | 6,115.55 | 432,914.99 | 650,328.66 |
| Undiscovered | 904504479 | Mutual Fund | 11,712.71 | 749,166.63 | 977,659.23 |
| US Bank PARS - Pension Trust MM | MM4901 | Money Market | 1,012,982.12 | 1,012,982.12 | 1,012,982.12 |
| Vanguard Growth & Income | 921913208 | Mutual Fund | 21,807.46 | 1,662,163.97 | 2,274,299.91 |
| Vanguard Real Estate | 922908553 | Mutual Fund | 3,014.00 | 238,005.34 | 349,654.14 |
| Vanguard Short Term | 922031836 | Mutual Fund | 34,751.50 | 376,650.36 | 374,273.51 |
| Victory RS | 92647Q363 | Mutual Fund | 10,500.86 | 960,359.35 | 833,454.70 |
| Sub Total / Average PARS Pension Trust | | | 1,513,794.58 | 13,641,592.00 | 16,599,720.35 |
| Total / Average | | | 1,513,794.58 | 13,641,592.00 | 16,599,720.35 |

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS OPEB Trust
Begin Date: 09/30/2021, End Date: 12/31/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|-----------------------------|--------------|------------|-----------------|---------------|--------------------|-----------|--------------------|-----------|
| Buy | | | | | | | | |
| Pimco Total Return Fund | 693390700 | 0.000 | 10/31/2021 | N/A | 21.569 | 222.38 | 0.00 | 222.38 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 10/31/2021 | N/A | 18.416 | 268.14 | 0.00 | 268.14 |
| Vanguard Short Term | 922031836 | 0.000 | 10/31/2021 | N/A | 6.516 | 70.76 | 0.00 | 70.76 |
| PIMCO | 693390841 | 0.000 | 11/12/2021 | N/A | 112.962 | 1,020.05 | 0.00 | 1,020.05 |
| Hartford Schroders | 41665X859 | 0.000 | 11/12/2021 | N/A | 239.345 | 4,885.04 | 0.00 | 4,885.04 |
| DFA Large Cap | 233203868 | 0.000 | 11/12/2021 | N/A | 175.041 | 4,906.39 | 0.00 | 4,906.39 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/12/2021 | N/A | 424.723 | 4,374.65 | 0.00 | 4,374.65 |
| Dodge & Cox International | 256206103 | 0.000 | 11/12/2021 | N/A | 9.205 | 456.29 | 0.00 | 456.29 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/12/2021 | N/A | 297.763 | 4,326.50 | 0.00 | 4,326.50 |
| MFS International | 552746356 | 0.000 | 11/12/2021 | N/A | 19.176 | 908.93 | 0.00 | 908.93 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 6.756 | 73.10 | 0.00 | 73.10 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 161.194 | 1,747.34 | 0.00 | 1,747.34 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/12/2021 | N/A | 424.395 | 4,681.08 | 0.00 | 4,681.08 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 21.655 | 223.48 | 0.00 | 223.48 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 19.88 | 289.45 | 0.00 | 289.45 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/1/2021 | N/A | 21.561 | 221.43 | 0.00 | 221.43 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/1/2021 | N/A | 19.464 | 282.04 | 0.00 | 282.04 |
| Vanguard Short Term | 922031836 | 0.000 | 12/1/2021 | N/A | 6.406 | 68.99 | 0.00 | 68.99 |
| Hartford Schroders | 41665X859 | 0.000 | 12/2/2021 | N/A | 101.283 | 1,985.15 | 0.00 | 1,985.15 |
| DFA Large Cap | 233203868 | 0.000 | 12/2/2021 | N/A | 65.961 | 1,755.22 | 0.00 | 1,755.22 |
| Undiscovered | 904504479 | 0.000 | 12/2/2021 | N/A | 61.592 | 5,128.79 | 0.00 | 5,128.79 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/2/2021 | N/A | 14.021 | 3,377.31 | 0.00 | 3,377.31 |
| Dodge & Cox International | 256206103 | 0.000 | 12/2/2021 | N/A | 27.407 | 1,284.03 | 0.00 | 1,284.03 |
| MFS International | 552746356 | 0.000 | 12/2/2021 | N/A | 3.036 | 137.49 | 0.00 | 137.49 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/2/2021 | N/A | 11.296 | 1,306.54 | 0.00 | 1,306.54 |
| Victory RS | 92647Q363 | 0.000 | 12/2/2021 | N/A | 96.475 | 8,898.83 | 0.00 | 8,898.83 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 12/2/2021 | N/A | 0.997 | 121.26 | 0.00 | 121.26 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 12/2/2021 | N/A | 24.00 | 1,924.88 | 0.00 | 1,924.88 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/10/2021 | N/A | 639.641 | 21,408.78 | 0.00 | 21,408.78 |
| MFS International | 552746356 | 0.000 | 12/10/2021 | N/A | 96.626 | 4,167.48 | 0.00 | 4,167.48 |
| Undiscovered | 904504479 | 0.000 | 12/15/2021 | N/A | 38.998 | 3,176.01 | 0.00 | 3,176.01 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/16/2021 | N/A | 78.148 | 8,219.65 | 0.00 | 8,219.65 |

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|--------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------------|--------------------|-------------------|
| Undiscovered | 904504479 | 0.000 | 12/20/2021 | N/A | 18.575 | 1,449.79 | 0.00 | 1,449.79 |
| Dodge & Cox International | 256206103 | 0.000 | 12/20/2021 | N/A | 34.409 | 1,559.05 | 0.00 | 1,559.05 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/21/2021 | N/A | 447.107 | 44,603.35 | 0.00 | 44,603.35 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/21/2021 | N/A | 11.522 | 2,722.57 | 0.00 | 2,722.57 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 12/21/2021 | N/A | 152.093 | 14,602.47 | 0.00 | 14,602.47 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/23/2021 | N/A | 24.128 | 349.38 | 0.00 | 349.38 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/28/2021 | N/A | 27.82 | 285.71 | 0.00 | 285.71 |
| Hartford Schroders | 41665X859 | 0.000 | 12/29/2021 | N/A | 80.566 | 1,521.89 | 0.00 | 1,521.89 |
| Vanguard Short Term | 922031836 | 0.000 | 12/30/2021 | N/A | 16.959 | 182.48 | 0.00 | 182.48 |
| Sub Total / Average Buy | | | | | 4,078.687 | 159,194.15 | 0.00 | 159,194.15 |

| Dividend | | | | | | | | |
|---------------------------|-----------|-------|------------|-----|------|------|-----------|-----------|
| PIMCO | 693390841 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 105.77 | 105.77 |
| DFA Large Cap | 233203868 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 795.32 | 795.32 |
| Pimco Total Return Fund | 693390700 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 222.38 | 222.38 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 268.14 | 268.14 |
| Vanguard Short Term | 922031836 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 70.76 | 70.76 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 267.05 | 267.05 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/1/2021 | N/A | 0.00 | 0.00 | 265.44 | 265.44 |
| PIMCO | 693390841 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 103.40 | 103.40 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 223.48 | 223.48 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 289.45 | 289.45 |
| Vanguard Short Term | 922031836 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 73.10 | 73.10 |
| PIMCO | 693390841 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 134.58 | 134.58 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 221.43 | 221.43 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 282.04 | 282.04 |
| Vanguard Short Term | 922031836 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 68.99 | 68.99 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 280.13 | 280.13 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/2/2021 | N/A | 0.00 | 0.00 | 17,938.98 | 17,938.98 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/7/2021 | N/A | 0.00 | 0.00 | 326.92 | 326.92 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 2,515.90 | 2,515.90 |
| MFS International | 552746356 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 585.73 | 585.73 |
| MFS International | 552746356 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 2,917.45 | 2,917.45 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/10/2021 | N/A | 0.00 | 0.00 | 953.90 | 953.90 |
| MFS International | 552746356 | 0.000 | 12/10/2021 | N/A | 0.00 | 0.00 | 664.30 | 664.30 |
| Undiscovered | 904504479 | 0.000 | 12/13/2021 | N/A | 0.00 | 0.00 | 1,119.79 | 1,119.79 |
| Undiscovered | 904504479 | 0.000 | 12/13/2021 | N/A | 0.00 | 0.00 | 2,056.22 | 2,056.22 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/14/2021 | N/A | 0.00 | 0.00 | 5,957.21 | 5,957.21 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/14/2021 | N/A | 0.00 | 0.00 | 2,262.44 | 2,262.44 |
| DFA Large Cap | 233203868 | 0.000 | 12/15/2021 | N/A | 0.00 | 0.00 | 1,268.98 | 1,268.98 |

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|-------------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------|--------------------|-------------------|
| Victory RS | 92647Q363 | 0.000 | 12/16/2021 | N/A | 0.00 | 0.00 | 17,284.80 | 17,284.80 |
| iShares SP500 | 464287408 | 0.000 | 12/17/2021 | N/A | 0.00 | 0.00 | 349.53 | 349.53 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 12/17/2021 | N/A | 0.00 | 0.00 | 444.18 | 444.18 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 11,216.72 | 11,216.72 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 31,211.49 | 31,211.49 |
| Undiscovered | 904504479 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 1,449.79 | 1,449.79 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 2,098.11 | 2,098.11 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 2,098.11 | 2,098.11 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 84.42 | 84.42 |
| Dodge & Cox International | 256206103 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 1,559.05 | 1,559.05 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 14,602.47 | 14,602.47 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 2,175.14 | 2,175.14 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 540.04 | 540.04 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/23/2021 | N/A | 0.00 | 0.00 | 349.38 | 349.38 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/28/2021 | N/A | 0.00 | 0.00 | 285.71 | 285.71 |
| Hartford Schroders | 41665X859 | 0.000 | 12/29/2021 | N/A | 0.00 | 0.00 | 1,521.89 | 1,521.89 |
| Vanguard Short Term | 922031836 | 0.000 | 12/29/2021 | N/A | 0.00 | 0.00 | 182.48 | 182.48 |
| Vanguard Real Estate | 922908553 | 0.000 | 12/30/2021 | N/A | 0.00 | 0.00 | 422.29 | 422.29 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/31/2021 | N/A | 0.00 | 0.00 | 274.29 | 274.29 |
| Sub Total / Average Dividend | | | | | 0.00 | 0.00 | 130,389.17 | 130,389.17 |

Sell

| | | | | | | | | |
|-----------------------------|-----------|-------|------------|-----|--------|----------|------|----------|
| iShares SP500 | 464287408 | 0.000 | 11/12/2021 | N/A | 6.00 | 926.18 | 0.00 | 926.18 |
| Vanguard Growth & Income | 921913208 | 0.000 | 11/12/2021 | N/A | 56.82 | 6,710.46 | 0.00 | 6,710.46 |
| Undiscovered | 904504479 | 0.000 | 11/12/2021 | N/A | 85.99 | 7,572.46 | 0.00 | 7,572.46 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 11/12/2021 | N/A | 12.56 | 3,161.23 | 0.00 | 3,161.23 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 11/12/2021 | N/A | 16.20 | 623.41 | 0.00 | 623.41 |
| Price T Rowe Growth | 741479406 | 0.000 | 11/12/2021 | N/A | 13.79 | 1,706.14 | 0.00 | 1,706.14 |
| Victory RS | 92647Q363 | 0.000 | 11/12/2021 | N/A | 3.81 | 387.67 | 0.00 | 387.67 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 11/12/2021 | N/A | 15.45 | 1,974.95 | 0.00 | 1,974.95 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 11/12/2021 | N/A | 47.00 | 3,978.86 | 0.00 | 3,978.86 |
| PIMCO | 693390841 | 0.000 | 12/2/2021 | N/A | 89.46 | 797.13 | 0.00 | 797.13 |
| iShares SP500 | 464287408 | 0.000 | 12/2/2021 | N/A | 3.00 | 446.65 | 0.00 | 446.65 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/2/2021 | N/A | 37.77 | 4,357.00 | 0.00 | 4,357.00 |
| Vanguard Real Estate | 922908553 | 0.000 | 12/2/2021 | N/A | 9.00 | 968.03 | 0.00 | 968.03 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/2/2021 | N/A | 1.07 | 39.74 | 0.00 | 39.74 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/2/2021 | N/A | 538.82 | 5,555.27 | 0.00 | 5,555.27 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/2/2021 | N/A | 363.61 | 5,301.49 | 0.00 | 5,301.49 |
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 18.35 | 198.18 | 0.00 | 198.18 |
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 19.31 | 208.55 | 0.00 | 208.55 |

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|---------------------------------|--------------|------------|-----------------|---------------|--------------------|------------------|--------------------|------------------|
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 25.79 | 278.58 | 0.00 | 278.58 |
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 134.24 | 1,449.74 | 0.00 | 1,449.74 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/2/2021 | N/A | 462.05 | 5,087.15 | 0.00 | 5,087.15 |
| Sub Total / Average Sell | | | | | 1,960.09 | 51,728.87 | 0.00 | 51,728.87 |

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS Pension Trust
Begin Date: 09/30/2021, End Date: 12/31/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|--------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------------|--------------------|-------------------|
| Buy | | | | | | | | |
| PIMCO | 693390841 | 0.000 | 11/12/2021 | N/A | 636.68 | 5,749.20 | 0.00 | 5,749.20 |
| Hartford Schroders | 41665X859 | 0.000 | 11/12/2021 | N/A | 1,429.098 | 29,167.90 | 0.00 | 29,167.90 |
| DFA Large Cap | 233203868 | 0.000 | 11/12/2021 | N/A | 1,012.302 | 28,374.83 | 0.00 | 28,374.83 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/12/2021 | N/A | 2,703.26 | 27,843.57 | 0.00 | 27,843.57 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/12/2021 | N/A | 1,949.99 | 28,333.40 | 0.00 | 28,333.40 |
| MFS International | 552746356 | 0.000 | 11/12/2021 | N/A | 51.23 | 2,428.38 | 0.00 | 2,428.38 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 990.91 | 10,741.48 | 0.00 | 10,741.48 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/12/2021 | N/A | 2,446.03 | 26,979.73 | 0.00 | 26,979.73 |
| Hartford Schroders | 41665X859 | 0.000 | 12/2/2021 | N/A | 565.875 | 11,091.15 | 0.00 | 11,091.15 |
| DFA Large Cap | 233203868 | 0.000 | 12/2/2021 | N/A | 331.766 | 8,828.29 | 0.00 | 8,828.29 |
| Undiscovered | 904504479 | 0.000 | 12/2/2021 | N/A | 411.416 | 34,258.60 | 0.00 | 34,258.60 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/2/2021 | N/A | 84.433 | 20,337.35 | 0.00 | 20,337.35 |
| Dodge & Cox International | 256206103 | 0.000 | 12/2/2021 | N/A | 160.311 | 7,510.55 | 0.00 | 7,510.55 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/2/2021 | N/A | 56.698 | 6,557.73 | 0.00 | 6,557.73 |
| Victory RS | 92647Q363 | 0.000 | 12/2/2021 | N/A | 679.987 | 62,721.96 | 0.00 | 62,721.96 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 12/2/2021 | N/A | 135.00 | 10,827.46 | 0.00 | 10,827.46 |
| Sub Total / Average Buy | | | | | 13,644.986 | 321,751.58 | 0.00 | 321,751.58 |
| Dividend | | | | | | | | |
| PIMCO | 693390841 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 805.95 | 805.95 |
| DFA Large Cap | 233203868 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 6,059.99 | 6,059.99 |
| Pimco Total Return Fund | 693390700 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 1,691.69 | 1,691.69 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 2,039.08 | 2,039.08 |
| Vanguard Short Term | 922031836 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 538.17 | 538.17 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 10/31/2021 | N/A | 0.00 | 0.00 | 2,034.87 | 2,034.87 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/1/2021 | N/A | 0.00 | 0.00 | 2,022.57 | 2,022.57 |
| PIMCO | 693390841 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 783.92 | 783.92 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 1,691.55 | 1,691.55 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 2,190.47 | 2,190.47 |
| Vanguard Short Term | 922031836 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 553.47 | 553.47 |
| PIMCO | 693390841 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 1,011.50 | 1,011.50 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 1,660.69 | 1,660.69 |

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|-------------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------|--------------------|-------------------|
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 2,115.08 | 2,115.08 |
| Vanguard Short Term | 922031836 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 517.74 | 517.74 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/1/2021 | N/A | 0.00 | 0.00 | 2,114.93 | 2,114.93 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/2/2021 | N/A | 0.00 | 0.00 | 134,798.95 | 134,798.95 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/7/2021 | N/A | 0.00 | 0.00 | 2,456.57 | 2,456.57 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 18,905.25 | 18,905.25 |
| MFS International | 552746356 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 21,922.92 | 21,922.92 |
| MFS International | 552746356 | 0.000 | 12/9/2021 | N/A | 0.00 | 0.00 | 4,401.41 | 4,401.41 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/10/2021 | N/A | 0.00 | 0.00 | 7,167.93 | 7,167.93 |
| MFS International | 552746356 | 0.000 | 12/10/2021 | N/A | 0.00 | 0.00 | 4,991.83 | 4,991.83 |
| Undiscovered | 904504479 | 0.000 | 12/13/2021 | N/A | 0.00 | 0.00 | 8,415.58 | 8,415.58 |
| Undiscovered | 904504479 | 0.000 | 12/13/2021 | N/A | 0.00 | 0.00 | 15,453.15 | 15,453.15 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/14/2021 | N/A | 0.00 | 0.00 | 17,001.28 | 17,001.28 |
| Price T Rowe Growth | 741479406 | 0.000 | 12/14/2021 | N/A | 0.00 | 0.00 | 44,765.95 | 44,765.95 |
| DFA Large Cap | 233203868 | 0.000 | 12/15/2021 | N/A | 0.00 | 0.00 | 9,536.03 | 9,536.03 |
| Victory RS | 92647Q363 | 0.000 | 12/16/2021 | N/A | 0.00 | 0.00 | 129,896.66 | 129,896.66 |
| iShares SP500 | 464287408 | 0.000 | 12/17/2021 | N/A | 0.00 | 0.00 | 2,622.59 | 2,622.59 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 12/17/2021 | N/A | 0.00 | 0.00 | 3,338.03 | 3,338.03 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 84,285.86 | 84,285.86 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 234,532.76 | 234,532.76 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 15,767.61 | 15,767.61 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 634.44 | 634.44 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 12/20/2021 | N/A | 0.00 | 0.00 | 109,729.17 | 109,729.17 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 16,344.70 | 16,344.70 |
| Undiscovered | 904504479 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 10,629.63 | 10,629.63 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 4,058.53 | 4,058.53 |
| Dodge & Cox International | 256206103 | 0.000 | 12/21/2021 | N/A | 0.00 | 0.00 | 11,715.74 | 11,715.74 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/24/2021 | N/A | 0.00 | 0.00 | 2,618.95 | 2,618.95 |
| Vanguard Short Term | 922031836 | 0.000 | 12/29/2021 | N/A | 0.00 | 0.00 | 1,369.21 | 1,369.21 |
| Hartford Schroders | 41665X859 | 0.000 | 12/30/2021 | N/A | 0.00 | 0.00 | 11,436.95 | 11,436.95 |
| Vanguard Real Estate | 922908553 | 0.000 | 12/30/2021 | N/A | 0.00 | 0.00 | 3,174.04 | 3,174.04 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/30/2021 | N/A | 0.00 | 0.00 | 2,142.91 | 2,142.91 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/31/2021 | N/A | 0.00 | 0.00 | 2,061.06 | 2,061.06 |
| Sub Total / Average Dividend | | | | | 0.00 | 0.00 | 964,007.36 | 964,007.36 |

Sell

| | | | | | | | | |
|--------------------------|-----------|-------|------------|-----|--------|-----------|------|-----------|
| iShares SP500 | 464287408 | 0.000 | 11/12/2021 | N/A | 87.00 | 13,429.51 | 0.00 | 13,429.51 |
| Vanguard Growth & Income | 921913208 | 0.000 | 11/12/2021 | N/A | 638.50 | 75,400.58 | 0.00 | 75,400.58 |
| Vanguard Real Estate | 922908553 | 0.000 | 11/12/2021 | N/A | 40.00 | 4,385.42 | 0.00 | 4,385.42 |
| Undiscovered | 904504479 | 0.000 | 11/12/2021 | N/A | 759.53 | 66,883.77 | 0.00 | 66,883.77 |

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|---------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------------|--------------------|-------------------|
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 11/12/2021 | N/A | 129.41 | 32,561.35 | 0.00 | 32,561.35 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 11/12/2021 | N/A | 451.58 | 17,372.40 | 0.00 | 17,372.40 |
| Dodge & Cox International | 256206103 | 0.000 | 11/12/2021 | N/A | 20.33 | 1,007.86 | 0.00 | 1,007.86 |
| Price T Rowe Growth | 741479406 | 0.000 | 11/12/2021 | N/A | 161.15 | 19,942.56 | 0.00 | 19,942.56 |
| Victory RS | 92647Q363 | 0.000 | 11/12/2021 | N/A | 119.79 | 12,189.04 | 0.00 | 12,189.04 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 11/12/2021 | N/A | 172.00 | 21,985.17 | 0.00 | 21,985.17 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 11/12/2021 | N/A | 482.00 | 40,804.56 | 0.00 | 40,804.56 |
| PIMCO | 693390841 | 0.000 | 12/2/2021 | N/A | 785.24 | 6,996.49 | 0.00 | 6,996.49 |
| iShares SP500 | 464287408 | 0.000 | 12/2/2021 | N/A | 35.00 | 5,210.94 | 0.00 | 5,210.94 |
| Vanguard Growth & Income | 921913208 | 0.000 | 12/2/2021 | N/A | 387.88 | 44,741.84 | 0.00 | 44,741.84 |
| Vanguard Real Estate | 922908553 | 0.000 | 12/2/2021 | N/A | 35.00 | 3,764.58 | 0.00 | 3,764.58 |
| Vanguard Real Estate | 922908553 | 0.000 | 12/2/2021 | N/A | 38.00 | 4,087.26 | 0.00 | 4,087.26 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 12/2/2021 | N/A | 172.79 | 6,412.35 | 0.00 | 6,412.35 |
| Pimco Total Return Fund | 693390700 | 0.000 | 12/2/2021 | N/A | 4,475.60 | 46,143.42 | 0.00 | 46,143.42 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 12/2/2021 | N/A | 3,033.18 | 44,223.76 | 0.00 | 44,223.76 |
| MFS International | 552746356 | 0.000 | 12/2/2021 | N/A | 26.01 | 1,177.99 | 0.00 | 1,177.99 |
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 179.06 | 1,933.80 | 0.00 | 1,933.80 |
| Vanguard Short Term | 922031836 | 0.000 | 12/2/2021 | N/A | 1,477.32 | 15,955.15 | 0.00 | 15,955.15 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 12/2/2021 | N/A | 3,870.44 | 42,613.54 | 0.00 | 42,613.54 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 12/2/2021 | N/A | 19.89 | 2,419.91 | 0.00 | 2,419.91 |
| Sub Total / Average Sell | | | | | 17,596.70 | 531,643.25 | 0.00 | 531,643.25 |

Mesa Water District
Monthly Treasurer's Status Report on Investments
11/30/2021



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.

| Investments | Maturity Date | Days to Maturity | YTM@Cost | Cost Value | % of Portfolio | Policy % Limit | Market Value |
|---|----------------------|-------------------------|-----------------|-------------------------|-----------------------|-----------------------|-------------------------|
| Local Agency Investment Fund (LAIF) | Liquid | 1 | 0.20% | 1,084.09 | 0.00% | No Limit | 1,084.09 |
| Orange County Investment Pool (OCIP) | Liquid | 1 | 0.46% | 827,363.77 | 1.90% | No Limit | 827,363.77 |
| Miscellaneous Cash (Petty, Emergency, etc.) | Liquid | 1 | 0.00% | 14,000.00 | 0.03% | N/A | 14,000.00 |
| US Bank Custody Account | | | | | | | |
| Negotiable Certificate of Deposit | Various | 970 | 1.32% | 10,379,000.00 | 24.06% | 30.00% | 10,456,093.31 |
| US Agency Bonds | Various | 1,066 | 0.83% | 15,620,989.14 | 35.59% | No Limit | 15,463,015.65 |
| US Treasury Bonds | Various | 1,269 | 0.57% | 2,239,915.18 | 5.09% | No Limit | 2,213,180.00 |
| Sub Total / Average | | 1,046 | 0.99% | 28,239,904.32 | | | 28,132,288.96 |
| US Bank Custody Account | Liquid | 1 | 0.01% | 205,918.98 | 0.47% | No Limit | 205,918.98 |
| Pacific Premier Bank | Liquid | 1 | 1.25% | 14,278,901.98 | 32.86% | No Limit | 14,278,901.98 |
| Total / Average | | 678 | 1.06% | \$ 43,567,173.14 | 100.00% | | \$ 43,459,557.78 |

| PARS OPEB & Pension Trust | Monthly Rate of Return | Cost Value | Market Value |
|--|-------------------------------|-------------------|---------------------|
| Public Agency Retirement Services (PARS) | | | |
| Capital Appreciation HighMark PLUS Fund | | | |
| OPEB | -2.07% | \$ 1,706,137.67 | \$ 2,162,131.99 |
| Pension Trust | -2.05% | \$ 12,760,831.91 | \$ 16,243,339.58 |
| | | \$ 14,466,969.58 | \$ 18,405,471.57 |

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 September 2021 Fair Value Factor of 0.999873661.

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 | 1.06%
 Benchmark: 3 Month Treasury Bill - November 2021 | 0.05 %

Weighted Average Maturity

Years | 1.90
 Days to Maturity | 678

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

1 Month | - 0.83 %

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: US Bank | Custodian - Fixed
 Begin Date: 10/31/2021, End Date: 11/30/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|------------------------------------|--------------|------------|-----------------|---------------|---------------------|---------------------|--------------------|---------------------|
| Buy | | | | | | | | |
| T-Note 0.375 10/31/2023 | 91282CDD0 | 0.305 | 11/10/2021 | 10/31/2023 | 250,000.00 | 250,343.85 | 25.90 | 250,369.75 |
| FHLMC 0.8 10/27/2026-21 | 3134GW4C7 | 1.065 | 11/10/2021 | 10/27/2026 | 250,000.00 | 246,800.00 | 72.22 | 246,872.22 |
| FHLB 0.85 3/30/2026-21 | 3130ANY79 | 0.950 | 11/10/2021 | 3/30/2026 | 250,000.00 | 248,927.50 | 236.11 | 249,163.61 |
| Capital One Bank VA 1.1 11/17/2026 | 14042TDW4 | 1.100 | 11/17/2021 | 11/17/2026 | 248,000.00 | 248,000.00 | 0.00 | 248,000.00 |
| FFCB 1.46 11/30/2026-23 | 3133ENFP0 | 1.320 | 11/30/2021 | 11/30/2026 | 250,000.00 | 251,687.50 | 0.00 | 251,687.50 |
| Sub Total / Average Buy | | | | | 1,248,000.00 | 1,245,758.85 | 334.23 | 1,246,093.08 |
| Matured | | | | | | | | |
| FHLB 2 11/10/2021-18 | 3130A9S44 | 0.000 | 11/10/2021 | 11/10/2021 | 750,000.00 | 750,000.00 | 0.00 | 750,000.00 |
| Bank of Baroda 1.85 11/23/2021 | 06062QXG4 | 0.000 | 11/23/2021 | 11/23/2021 | 247,000.00 | 247,000.00 | 0.00 | 247,000.00 |
| Sub Total / Average Matured | | | | | 997,000.00 | 997,000.00 | 0.00 | 997,000.00 |

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: 10/31/2021, End Date: 11/30/2021

| 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 | 1,084.09 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 1,084.09 | 0.00 | 0.00 |
| Orange County LGIP - OCIP Policy - No Limit | | | | | | | |
| Orange County Investment Pool LGIP | LGIP9LC | 9/30/2011 | N/A | N/A | 827,363.77 | 363.42 | 0.00 |
| Sub Total/Average | | | | | 827,363.77 | 363.42 | 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 | | | | | | | |
| Bank of Baroda 1.85 11/23/2021 | 06062QXG4 | 11/23/2016 | 11/23/2021 | 1.850 | 0.00 | 2,303.53 | 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 |
| American 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 | 3,286.29 | 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 |
| Raymond James Bank 1.75 11/8/2023 | 75472RAH4 | 11/8/2019 | 11/8/2023 | 1.750 | 247,000.00 | 2,179.01 | 0.00 |
| Third Federal Savings 1.75 11/13/2023 | 88413QCJ5 | 11/12/2019 | 11/13/2023 | 1.750 | 247,000.00 | 2,179.01 | 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 |

| Description | CUSIP/Ticker | Settlement Date | Maturity Date | Coupon Rate | Ending Face Amount/Shares | Interest/Dividends | Sell Accrued Interest |
|--|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| 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 | 0.00 | 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 | 200.91 | 0.00 |
| Synchrony Bank UT 0.55 9/3/2024 | 87164WA73 | 9/3/2021 | 9/3/2024 | 0.550 | 249,000.00 | 0.00 | 0.00 |
| Capital One Bank VA 1.1 11/17/2026 | 14042TDW4 | 11/17/2021 | 11/17/2026 | 1.100 | 248,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 10,379,000.00 | 14,962.31 | 0.00 |

US Agency - No Limit

| | | | | | | | |
|--------------------------|-----------|------------|------------|-------|--------------|----------|------|
| FHLB 2 11/10/2021-18 | 3130A9S44 | 11/10/2016 | 11/10/2021 | 2.000 | 0.00 | 7,500.00 | 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 | 3134GVSU5 | 5/13/2020 | 5/13/2025 | 0.700 | 500,000.00 | 1,750.00 | 0.00 |
| FHLMC 0.5 5/20/2024-22 | 3134GVXR4 | 5/21/2020 | 5/20/2024 | 0.500 | 500,000.00 | 1,250.00 | 0.00 |
| 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 |

| Description | CUSIP/Ticker | Settlement Date | Maturity Date | Coupon Rate | Ending Face Amount/Shares | Interest/Dividends | Sell Accrued Interest |
|--------------------------|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| 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 | 1,350.00 | 0.00 |
| FFCB 0.27 11/3/2023-22 | 3133EMFN7 | 11/3/2020 | 11/3/2023 | 0.270 | 250,000.00 | 337.50 | 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 | 375.00 | 0.00 |
| FNMA 0.56 11/17/2025-22 | 3135GA2Z3 | 11/17/2020 | 11/17/2025 | 0.560 | 325,000.00 | 910.00 | 0.00 |
| FNMA 0.58 11/25/2025-22 | 3135GA5E7 | 11/30/2020 | 11/25/2025 | 0.580 | 250,000.00 | 725.00 | 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 | 156.25 | 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 | 375.00 | 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 | 1,093.75 | 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 | 3130AKVW2 | 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 |
| FFCB 0.8 3/9/2026-23 | 3133EMSU7 | 9/24/2021 | 3/9/2026 | 0.800 | 250,000.00 | 0.00 | 0.00 |
| FFCB 0.94 9/28/2026-22 | 3133EM6E7 | 9/28/2021 | 9/28/2026 | 0.940 | 250,000.00 | 0.00 | 0.00 |
| FHLB 0.85 3/30/2026-21 | 3130ANY79 | 11/10/2021 | 3/30/2026 | 0.850 | 250,000.00 | 0.00 | 0.00 |
| FHLMC 0.8 10/27/2026-21 | 3134GW4C7 | 11/10/2021 | 10/27/2026 | 0.800 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.375 10/31/2023 | 91282CDD0 | 11/10/2021 | 10/31/2023 | 0.375 | 250,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 15,560,000.00 | 15,822.50 | 0.00 |

US Treasury - No Limit

| Description | CUSIP/Ticker | Settlement Date | Maturity Date | Coupon Rate | Ending Face Amount/Shares | Interest/Dividends | Sell Accrued Interest |
|--|--------------|-----------------|---------------|-------------|---------------------------|--------------------|-----------------------|
| T-Note 0.25 6/30/2025 | 912828ZW3 | 4/22/2021 | 6/30/2025 | 0.250 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.375 1/31/2026 | 91282CBH3 | 4/29/2021 | 1/31/2026 | 0.375 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.375 4/30/2025 | 912828ZL7 | 7/1/2021 | 4/30/2025 | 0.375 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.375 4/30/2025 | 912828ZL7 | 8/19/2021 | 4/30/2025 | 0.375 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.125 2/15/2024 | 91282CBM2 | 8/19/2021 | 2/15/2024 | 0.125 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.25 3/15/2024 | 91282CBR1 | 9/24/2021 | 3/15/2024 | 0.250 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.25 6/15/2024 | 91282CCG4 | 9/24/2021 | 6/15/2024 | 0.250 | 250,000.00 | 0.00 | 0.00 |
| T-Note 0.625 7/31/2026 | 91282CCP4 | 9/24/2021 | 7/31/2026 | 0.625 | 250,000.00 | 0.00 | 0.00 |
| FFCB 1.46 11/30/2026-23 | 3133ENFP0 | 11/30/2021 | 11/30/2026 | 1.460 | 250,000.00 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 2,250,000.00 | 0.00 | 0.00 |
| US Bank MM Custody Policy 50% | | | | | | | |
| US Bank Custodian MM | MM65000 | 7/31/2020 | N/A | N/A | 205,918.98 | 1.01 | 0.00 |
| Sub Total/Average | | | | | 205,918.98 | 1.01 | 0.00 |
| Pacific Premier Bank Policy - n/a | | | | | | | |
| Pacific Premier Bank Checking Cash | MM0831 | 5/28/2020 | N/A | N/A | 14,278,901.98 | 0.00 | 0.00 |
| Sub Total/Average | | | | | 14,278,901.98 | 0.00 | 0.00 |
| Total / Average | | | | | 43,516,268.82 | 31,149.24 | 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 11/30/2021

| Description | CUSIP/Ticker | Security Type | Face Amount/Shares | Cost Value | Market Value |
|--|--------------|---------------|--------------------|---------------------|---------------------|
| PARS OPEB Trust | | | | | |
| Columbia Contrarian Fund | 19766M709 | Mutual Fund | 4,654.74 | 114,396.01 | 171,852.33 |
| DFA Large Cap | 233203868 | Mutual Fund | 4,626.88 | 105,926.06 | 122,103.01 |
| Dodge & Cox International | 256206103 | Mutual Fund | 1,297.20 | 49,930.69 | 59,877.81 |
| Dodge & Cox Stock Fund | 256219106 | Mutual Fund | 606.72 | 109,882.30 | 143,653.60 |
| Doubeline Core Fix Income | 258620301 | Mutual Fund | 11,258.59 | 124,318.33 | 123,956.86 |
| Harbor Capital Appreciation | 411512528 | Mutual Fund | 776.35 | 61,472.04 | 96,197.30 |
| Hartford Schroders | 41665X859 | Mutual Fund | 5,637.11 | 99,110.67 | 107,669.04 |
| iShares Russell Mid Cap | 464287499 | Mutual Fund | 1,706.00 | 58,444.62 | 136,497.06 |
| iShares SP500 | 464287408 | Mutual Fund | 462.00 | 60,206.78 | 67,955.58 |
| MFS International | 552746356 | Mutual Fund | 1,366.03 | 42,657.25 | 61,348.34 |
| PGIM Total Return Bond | 74440B884 | Mutual Fund | 8,543.90 | 125,545.55 | 124,398.18 |
| PIMCO | 693390841 | Mutual Fund | 3,198.80 | 28,894.06 | 28,437.32 |
| Pimco Total Return Fund | 693390700 | Mutual Fund | 12,078.19 | 127,021.43 | 124,646.87 |
| Price T Rowe Growth | 741479406 | Mutual Fund | 802.53 | 54,669.34 | 94,371.04 |
| Undiscovered | 904504479 | Mutual Fund | 1,496.92 | 95,539.81 | 122,732.49 |
| US Bank PARS - OPEB Trust MM | MM4900 | Money Market | 21,632.37 | 21,632.37 | 21,632.37 |
| Vanguard Growth & Income | 921913208 | Mutual Fund | 2,939.88 | 220,171.88 | 338,381.92 |
| Vanguard Real Estate | 922908553 | Mutual Fund | 410.00 | 33,816.90 | 43,763.40 |
| Vanguard Short Term | 922031836 | Mutual Fund | 4,829.18 | 52,406.53 | 52,251.54 |
| Victory RS | 92647Q363 | Mutual Fund | 1,300.83 | 120,095.05 | 120,405.93 |
| Sub Total / Average PARS OPEB Trust | | | 89,624.22 | 1,706,137.67 | 2,162,131.99 |
| Total / Average | | | 89,624.22 | 1,706,137.67 | 2,162,131.99 |

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 11/30/2021

| Description | CUSIP/Ticker | Security Type | Face Amount/Shares | Cost Value | Market Value |
|---|--------------|---------------|--------------------|----------------------|----------------------|
| PARS Pension Trust | | | | | |
| Columbia Contrarian Fund | 19766M709 | Mutual Fund | 35,141.74 | 911,847.84 | 1,297,432.67 |
| DFA Large Cap | 233203868 | Mutual Fund | 34,933.32 | 791,428.04 | 921,890.31 |
| Dodge & Cox International | 256206103 | Mutual Fund | 9,793.60 | 403,311.45 | 452,072.63 |
| Dodge & Cox Stock Fund | 256219106 | Mutual Fund | 4,580.56 | 857,056.27 | 1,084,537.29 |
| Doubeline Core Fix Income | 258620301 | Mutual Fund | 84,998.83 | 933,866.37 | 935,836.83 |
| Harbor Capital Appreciation | 411512528 | Mutual Fund | 5,861.07 | 469,495.25 | 726,247.19 |
| Hartford Schroders | 41665X859 | Mutual Fund | 42,558.09 | 727,737.15 | 812,859.64 |
| iShares Russell Mid Cap | 464287499 | Mutual Fund | 12,866.00 | 297,802.70 | 1,029,408.66 |
| iShares SP500 | 464287408 | Mutual Fund | 3,479.00 | 454,086.39 | 511,726.11 |
| MFS International | 552746356 | Mutual Fund | 10,313.76 | 346,889.59 | 463,191.33 |
| PGIM Total Return Bond | 74440B884 | Mutual Fund | 64,352.42 | 939,831.32 | 936,971.57 |
| PIMCO | 693390841 | Mutual Fund | 24,149.74 | 218,010.91 | 214,691.22 |
| Pimco Total Return Fund | 693390700 | Mutual Fund | 91,023.02 | 948,787.48 | 939,357.57 |
| Price T Rowe Growth | 741479406 | Mutual Fund | 6,058.85 | 426,357.26 | 712,461.58 |
| Undiscovered | 904504479 | Mutual Fund | 11,301.29 | 714,908.03 | 926,592.44 |
| US Bank PARS - Pension Trust MM | MM4901 | Money Market | 90,917.90 | 90,917.90 | 90,917.90 |
| Vanguard Growth & Income | 921913208 | Mutual Fund | 22,195.34 | 1,692,140.34 | 2,554,683.52 |
| Vanguard Real Estate | 922908553 | Mutual Fund | 3,087.00 | 244,741.95 | 329,506.38 |
| Vanguard Short Term | 922031836 | Mutual Fund | 36,407.88 | 393,978.28 | 393,933.06 |
| Victory RS | 92647Q363 | Mutual Fund | 9,820.87 | 897,637.39 | 909,021.68 |
| Sub Total / Average PARS Pension Trust | | | 603,840.28 | 12,760,831.91 | 16,243,339.58 |
| Total / Average | | | 603,840.28 | 12,760,831.91 | 16,243,339.58 |

Mesa Water District
Transactions Summary
Monthly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS OPEB Trust
Begin Date: 10/31/2021, End Date: 11/30/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|-------------------------------------|--------------|------------|-----------------|---------------|--------------------|------------------|--------------------|------------------|
| Buy | | | | | | | | |
| PIMCO | 693390841 | 0.000 | 11/12/2021 | N/A | 112.962 | 1,020.05 | 0.00 | 1,020.05 |
| Hartford Schroders | 41665X859 | 0.000 | 11/12/2021 | N/A | 239.345 | 4,885.04 | 0.00 | 4,885.04 |
| DFA Large Cap | 233203868 | 0.000 | 11/12/2021 | N/A | 175.041 | 4,906.39 | 0.00 | 4,906.39 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/12/2021 | N/A | 424.723 | 4,374.65 | 0.00 | 4,374.65 |
| Dodge & Cox International | 256206103 | 0.000 | 11/12/2021 | N/A | 9.205 | 456.29 | 0.00 | 456.29 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/12/2021 | N/A | 297.763 | 4,326.50 | 0.00 | 4,326.50 |
| MFS International | 552746356 | 0.000 | 11/12/2021 | N/A | 19.176 | 908.93 | 0.00 | 908.93 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 6.756 | 73.10 | 0.00 | 73.10 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 161.194 | 1,747.34 | 0.00 | 1,747.34 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/12/2021 | N/A | 424.395 | 4,681.08 | 0.00 | 4,681.08 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 21.655 | 223.48 | 0.00 | 223.48 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 19.88 | 289.45 | 0.00 | 289.45 |
| Sub Total / Average Buy | | | | | 1,912.095 | 27,892.30 | 0.00 | 27,892.30 |
| Dividend | | | | | | | | |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/1/2021 | N/A | 0.00 | 0.00 | 265.44 | 265.44 |
| PIMCO | 693390841 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 103.40 | 103.40 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 223.48 | 223.48 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 289.45 | 289.45 |
| Vanguard Short Term | 922031836 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 73.10 | 73.10 |
| Sub Total / Average Dividend | | | | | 0.00 | 0.00 | 954.87 | 954.87 |
| Sell | | | | | | | | |
| iShares SP500 | 464287408 | 0.000 | 11/12/2021 | N/A | 6.00 | 926.18 | 0.00 | 926.18 |
| Vanguard Growth & Income | 921913208 | 0.000 | 11/12/2021 | N/A | 56.82 | 6,710.46 | 0.00 | 6,710.46 |
| Undiscovered | 904504479 | 0.000 | 11/12/2021 | N/A | 85.99 | 7,572.46 | 0.00 | 7,572.46 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 11/12/2021 | N/A | 12.56 | 3,161.23 | 0.00 | 3,161.23 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 11/12/2021 | N/A | 16.20 | 623.41 | 0.00 | 623.41 |
| Price T Rowe Growth | 741479406 | 0.000 | 11/12/2021 | N/A | 13.79 | 1,706.14 | 0.00 | 1,706.14 |
| Victory RS | 92647Q363 | 0.000 | 11/12/2021 | N/A | 3.81 | 387.67 | 0.00 | 387.67 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 11/12/2021 | N/A | 15.45 | 1,974.95 | 0.00 | 1,974.95 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 11/12/2021 | N/A | 47.00 | 3,978.86 | 0.00 | 3,978.86 |
| Sub Total / Average Sell | | | | | 257.62 | 27,041.36 | 0.00 | 27,041.36 |

Mesa Water District
Transactions Summary
Monthly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS Pension Trust
Begin Date: 10/31/2021, End Date: 11/30/2021

| Description | CUSIP/Ticker | YTM @ Cost | Settlement Date | Maturity Date | Face Amount/Shares | Principal | Interest/Dividends | Total |
|-------------------------------------|--------------|------------|-----------------|---------------|--------------------|-------------------|--------------------|-------------------|
| Buy | | | | | | | | |
| PIMCO | 693390841 | 0.000 | 11/12/2021 | N/A | 636.68 | 5,749.20 | 0.00 | 5,749.20 |
| Hartford Schroders | 41665X859 | 0.000 | 11/12/2021 | N/A | 1,429.098 | 29,167.90 | 0.00 | 29,167.90 |
| DFA Large Cap | 233203868 | 0.000 | 11/12/2021 | N/A | 1,012.302 | 28,374.83 | 0.00 | 28,374.83 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/12/2021 | N/A | 2,703.26 | 27,843.57 | 0.00 | 27,843.57 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/12/2021 | N/A | 1,949.99 | 28,333.40 | 0.00 | 28,333.40 |
| MFS International | 552746356 | 0.000 | 11/12/2021 | N/A | 51.23 | 2,428.38 | 0.00 | 2,428.38 |
| Vanguard Short Term | 922031836 | 0.000 | 11/12/2021 | N/A | 990.91 | 10,741.48 | 0.00 | 10,741.48 |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/12/2021 | N/A | 2,446.03 | 26,979.73 | 0.00 | 26,979.73 |
| Sub Total / Average Buy | | | | | 11,219.50 | 159,618.49 | 0.00 | 159,618.49 |
| Dividend | | | | | | | | |
| Doubeline Core Fix Income | 258620301 | 0.000 | 11/1/2021 | N/A | 0.00 | 0.00 | 2,022.57 | 2,022.57 |
| PIMCO | 693390841 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 783.92 | 783.92 |
| Pimco Total Return Fund | 693390700 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 1,691.55 | 1,691.55 |
| PGIM Total Return Bond | 74440B884 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 2,190.47 | 2,190.47 |
| Vanguard Short Term | 922031836 | 0.000 | 11/30/2021 | N/A | 0.00 | 0.00 | 553.47 | 553.47 |
| Sub Total / Average Dividend | | | | | 0.00 | 0.00 | 7,241.98 | 7,241.98 |
| Sell | | | | | | | | |
| iShares SP500 | 464287408 | 0.000 | 11/12/2021 | N/A | 87.00 | 13,429.51 | 0.00 | 13,429.51 |
| Vanguard Growth & Income | 921913208 | 0.000 | 11/12/2021 | N/A | 638.50 | 75,400.58 | 0.00 | 75,400.58 |
| Vanguard Real Estate | 922908553 | 0.000 | 11/12/2021 | N/A | 40.00 | 4,385.42 | 0.00 | 4,385.42 |
| Undiscovered | 904504479 | 0.000 | 11/12/2021 | N/A | 759.53 | 66,883.77 | 0.00 | 66,883.77 |
| Dodge & Cox Stock Fund | 256219106 | 0.000 | 11/12/2021 | N/A | 129.41 | 32,561.35 | 0.00 | 32,561.35 |
| Columbia Contrarian Fund | 19766M709 | 0.000 | 11/12/2021 | N/A | 451.58 | 17,372.40 | 0.00 | 17,372.40 |
| Dodge & Cox International | 256206103 | 0.000 | 11/12/2021 | N/A | 20.33 | 1,007.86 | 0.00 | 1,007.86 |
| Price T Rowe Growth | 741479406 | 0.000 | 11/12/2021 | N/A | 161.15 | 19,942.56 | 0.00 | 19,942.56 |
| Victory RS | 92647Q363 | 0.000 | 11/12/2021 | N/A | 119.79 | 12,189.04 | 0.00 | 12,189.04 |
| Harbor Capital Appreciation | 411512528 | 0.000 | 11/12/2021 | N/A | 172.00 | 21,985.17 | 0.00 | 21,985.17 |
| iShares Russell Mid Cap | 464287499 | 0.000 | 11/12/2021 | N/A | 482.00 | 40,804.56 | 0.00 | 40,804.56 |
| Sub Total / Average Sell | | | | | 3,061.29 | 305,962.22 | 0.00 | 305,962.22 |



MONTHLY COMMITTEE

Major Staff Projects

| Title | Comments | Status |
|--|--|------------|
| Human Resource Information System/Payroll System | Human Resource Information System/Payroll System | 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: January 25, 2022
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 January 25, 2022 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$97,690 has been spent to date.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: January 25, 2022
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

The Mesa Water District (Mesa Water®) governmental 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 January 25, 2022 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$97,690 has been spent to date.

ATTACHMENTS

None.



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Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Celeste Carrillo, Public Affairs Coordinator
DATE: January 25, 2022
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; \$242,275 has been spent to date.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Kurt Lind, Business Administrator
DATE: January 25, 2022
SUBJECT: Annual Information Technology Audit - Operations

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.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

Nth Generation was retained by Mesa Water in August of 2019 to conduct the Fiscal Year (FY) 2019 IT Audit. Mesa Water and Nth Generation worked together to develop the audit performance indicators and measures that make sense from an IT perspective. Nth Generation then conducted a baseline audit for FY 2019 that included both Operations and Cyber Security. Future IT Audits will be separated into two phases with the first phase covering Operations and the second phase covering Cyber Security. This makes the audit process simpler and focused since there are two specialized audit processes involved.

In September 2021, Nth Generation conducted the first phase of the FY 2021 IT Audit for Operations. The objective of this audit is to measure the efficacy and performance of the IT operation services; compare the current technology design and implementation with Industry Best Practices; evaluate compliance with Mesa Water's IT operational standards; and assess the performance of Mesa Water's integrated IT Continuous Quality Improvement (CQI) processes.

By meeting these objectives, the audit enables Mesa Water to gain a clear understanding of the IT environment and where we can further improve IT services and business operations. The audit covers four areas critical to our business operations including:

- **System Architecture** – a review of our system design, physical servers, virtual machines, backups, computers, storage, connectivity, and network.
- **IT Operations** – a review of our documented policies and procedures and to confirm that we are following them.
- **Status Reporting** – a sampling check of our daily system status reports compared to the results within the IT environment.
- **Continuous Service** – a review of our process to ensure we are reviewing both successes and failures in order to improve operations.



The audit's scoring methodology is based on the National Institute of Standards and Technology (NIST) framework and a straight-forward 1 – 5 scoring criteria. The results of the audit (Attachment A) are highlighted by 13 key findings with an associated 22 corrective actions. Overall, the audit indicates that Mesa Water is receiving high quality IT managed services.

FINANCIAL IMPACT

In Fiscal Year 2022, \$32,600 was budgeted for third-party auditors to conduct the Annual IT Audit. \$26,805 has been spent to date.

ATTACHMENTS

Attachment A: Nth Generation's Information Technology Assessment Report for Mesa Water District



YOUR TRUSTED TECHNOLOGY
AND SECURITY ADVISOR



Information Technology Assessment Report

For



Produced by:
Nth Generation Computing, Inc.

Version 2.00

November 29, 2021

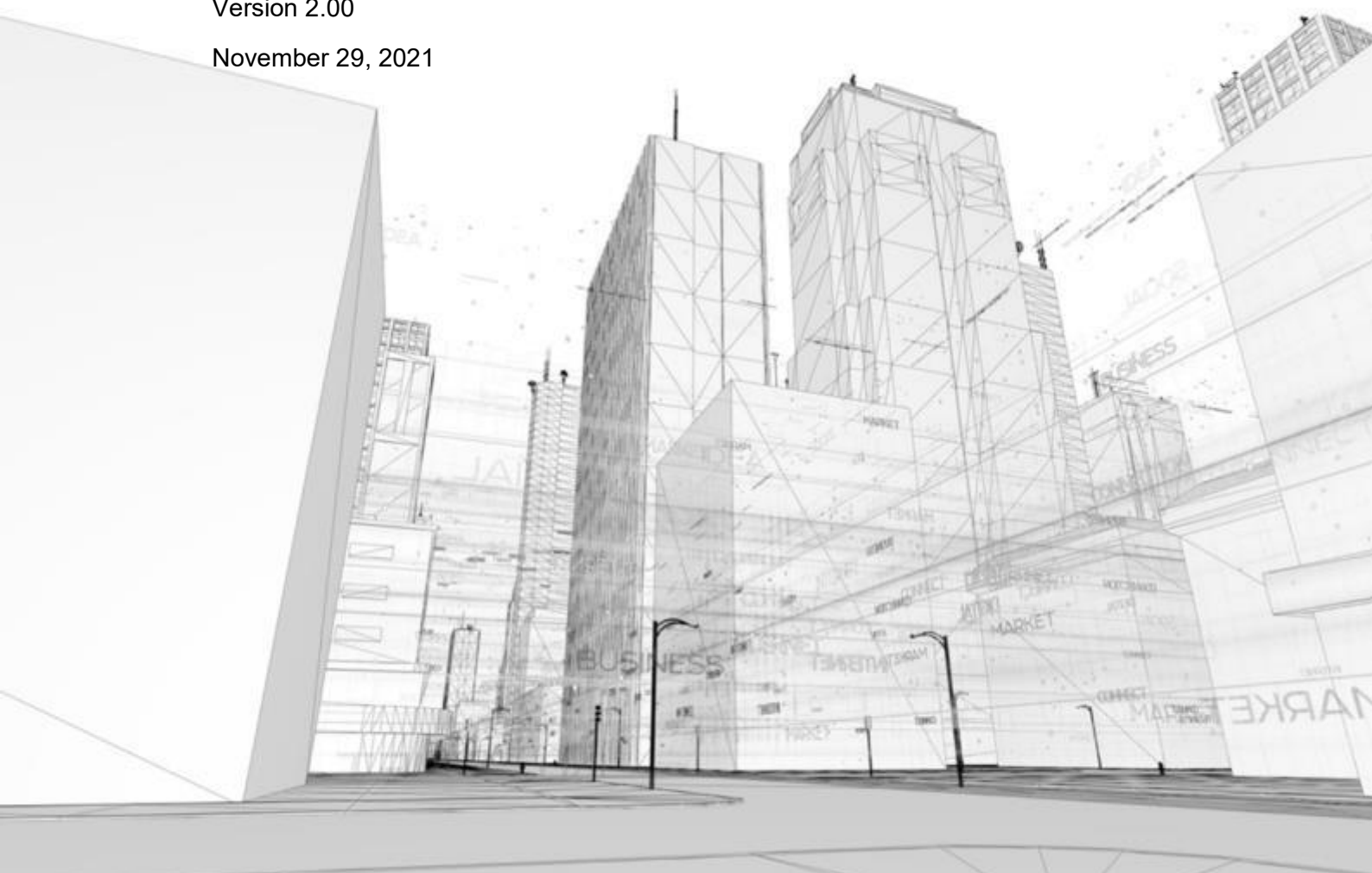


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Executive Summary

In 2019, Nth Generation Computing, Inc. (Nth) was contracted by Mesa Water District to perform an Information Technology (IT) assessment of their IT infrastructure, policies, procedures, and continuous quality improvement (CQI) program. This led to a renewal of the contract in 2021, focusing on an IT assessment of their fiscal year 2021 (FY2021) which ranges from July 2020 through June 2021.

Mesa Water outsources their IT operations to T2 Tech (T2). T2 is a privately held IT consulting firm with a long history of providing technology solutions to businesses. In 2015, they were tasked to develop a modern and reliable IT infrastructure and application architecture that aligns with Mesa Water’s business and operational needs. Since then, they have been following that roadmap and providing daily IT operations support and services to Mesa Water District.

Mesa Water and Nth agreed that the objectives of this year’s IT Assessment are to:

- Measure the efficacy and performance of the IT operation services.
- Compare the current technology design and implementation with Industry Best Practices.
- Evaluate the Mesa Water’s compliance with their own 2018 IT change control and operational standards.
- Assess the performance of the Mesa Water’s integrated IT Continuous Quality Improvement (CQI) processes.
- Measure progress of corrective actions taken from past IT Audit Reports.

By meeting these objectives, the assessment enables Mesa Water to have a clear understanding of its current IT environment and where they can further improve IT services and business operations.

In 2019, Nth selected the National Institute of Standards and Technology (NIST) framework and its simple 1 – 5 scoring criteria as the basis for the FY2019 IT assessment. Founded in 1901, NIST has a long history of measuring the accuracy and validity of tools, technology, and processes. This globally recognized and trusted source was confirmed by Mesa Water to be the framework for the FY2021 IT assessment as well. However, the FY2021 scoring criteria was modified to be more in line with the small amount of data audited. Percentages were removed and replaced by more descriptive terms. This allowed us to better evaluate and grade, resulting in Policy Scores going from 4 to 3.

A summary of findings indicates that T2 continues to provide high-quality IT managed services to Mesa Water. Using their architecture blueprint, T2 has accelerated the adoption of cloud services, enhanced performance monitoring, and supported day-to-day IT administration within the NIST maturity levels of 3 – Defined and 4 – Managed. Mesa Water remains at Level 5 – Optimizing for their well-defined and executed CQI program but dropped down in other Policy Scores due to a lack of policy statements which set out the strategic direction by defining who, what, and why.

| Audit Component | Policy Score | Procedure / Practice Score |
|--------------------------------|--------------|----------------------------|
| System Architecture | 3 | 4.4 |
| Operations | 3 | 4 |
| Status Reporting | 3 | 4.5 |
| Continuous Service Improvement | 5 | 4.5 |

A list of recommendations and corrective actions associated with these scores can be found in the Recommendations section of this document.

IT Assessment Methodology

An assessment is an independent, objective consulting activity designed to add value and improve an organization's operations. Nth Generation's assessment methodology has six activities or tasks:

- **Task 1: Conduct a Project Kickoff Meeting**
- **Task 2: Prepare an Assessment Scope and Baseline**
 - Confirm IT Assessment Objectives
 - Confirm NIST Framework and Scoring Method
 - Draft Project Schedule
- **Task 3: Collect Data**
- **Task 4: Evaluate Data Collected**
- **Task 5: Generate a Report**
- **Task 6: Present Final Report and Scorecard**

In 2019, Nth selected the National Institute of Standards and Technology (NIST) framework and its simple 1 – 5 scoring methodology as the basis for the FY2019 IT assessment. Founded in 1901, NIST has a long history of measuring the accuracy and validity of tools, technology, and processes. This globally recognized and trusted source was determined by Mesa Water to be the framework for the FY2021 IT assessment as well.

NIST Infrastructure Technology Framework

Nth utilizes the NIST Framework as the foundation for their IT assessments. The NIST Framework is designed to be applicable to any organization in any part of their critical IT infrastructure. It is not intended to replace existing processes. The goal of this IT assessment is to overlay the NIST Framework on to Mesa Water's existing IT policies and procedures to identify gaps and develop remediation plans.

The five NIST Framework controls—identify, protect, detect, respond, and recover—support the objectives of Mesa Water's IT operations and Continuous Quality Improvement (CQI) plan. In addition, as Mesa Water continues to move to a cloud based infrastructure, NIST's Cloud Computing Service Metrics Description (<https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.500-307.pdf>) can serve as a way to compare, analyze, and assess metrics at both technical and business levels.

For the FY2021 assessment, Nth once again utilized these controls to measure T2's effectiveness in the following areas:

- **System Architecture**
- **Daily Operations**
- **Status Reporting**
- **Continuous Service Improvement**

NIST accelerates the development and deployment of systems that are reliable, usable, interoperable, and secure. Organizations can use the framework to determine their current level of IT operational excellence, set goals for IT operations that are in sync with their business environment, and establish a plan for improving or maintaining their IT infrastructure posture.

Scoring Method

Policy Maturity

The Policy Maturity evaluation measures how well Mesa Water's written policy, standards, and guidelines satisfy the NIST IT Framework. It provides clear delineation around the levels of policy maturity that generally align with industry best practices using the following standards:

- Up to date documented policies which are readily available to employees.
- Cover all major facilities and operations.
- Approval by key affected parties.
- Delineate the IT management structure, clearly assigned IT operations and security responsibility, and lay the foundation necessary to reliably measure progress and compliance.
- Specific penalties and disciplinary action to be used if policy is not followed.

*<https://csrc.nist.gov/Projects/Program-Review-for-Information-Security-Assistance/Security-Maturity-Levels>

Policy measurements are scored from a 1 to 5 rating scale. Due to Mesa Water's small number of policies, standards, and guidelines; Nth removed percentiles from the scoring and instead applied a more meaningful description of each maturity level as stated below.

| IT Audit Score | Maturity Level | Expectation of Policy Maturity Level |
|----------------|-----------------------------|---|
| Red | Level 1 - Initial | Policy or standard does not exist or is not formally approved by management. |
| Red | Level 2 - Repeatable | Policy or standard exists but has not been reviewed for more than 2 years. |
| Green | Level 3 - Defined | Some policies and standards exist with formal management approval. |
| Green | Level 4 - Managed | All policies and standards exist with formal management approval. |
| Gold | Level 5 - Optimizing | All policies and standards exist with formal management approval. Policy exceptions are documented, approved, and rarely occur. |

Procedure Maturity

Procedure maturity measures how Mesa Water's operational practices satisfy the NIST IT Frameworks regardless of what the policies and standards are through the following:

- Formal, up-to-date, documented procedures are provided to implement the controls identified by the defined policies.
- Procedures clarify where the procedure is to be performed, how the procedure is to be performed, when the procedure is to be performed, who is to perform the procedure, and on what the procedure is to be performed.
- Procedures clearly define IT responsibilities and expected behaviors for information resources management and data processing of personnel, management, and IT administrators.
- Procedures contain appropriate individuals to be contacted for further information, guidance, and compliance.
- Procedures document the implementation of and the rigor in which the control is applied.

Procedure measurements are scored from a 1 to 5 rating scale. Due to Mesa Water's small number of documented procedures; Nth removed percentiles from the scoring and instead applied a more meaningful description of each maturity level as stated below.

| IT Audit Score | Maturity Level | Expectation of Procedure Maturity Level |
|----------------|-----------------------------|---|
| Red | Level 1 - Initial | Standard process does not exist. |
| Red | Level 2 - Repeatable | Ad-hoc process exists and is done informally. |
| Green | Level 3 - Defined | Formal processes exist and are documented. Evidence can be provided for most activities. Some exceptions occur. |
| Green | Level 4 - Managed | Formal processes exist and are documented. Evidence can be provided for all activities and detailed metrics of the process are captured and reported. Minimal exceptions occur with minimal recurring exceptions. |
| Gold | Level 5 - Optimizing | Formal processes exist and are documented. Evidence can be provided for all activities and detailed metrics of the process are captured and reported. No process exceptions occur. |

IT Infrastructure Audit Findings

System Architecture

While there is no single system architecture document or written functional requirements, the design aspects noted in Mesa Water’s 2021 Network Design outline the intent of a policy that focuses on redundancy in compute, storage, and network.

Nth conducted a site visit of the three data centers located at 1965 Placentia Ave, Costa Mesa, CA. These three data centers are referred to as:

- 1) The Main Data Center or “MDF” (Main Distribution Frame), the
- 2) Ops Building or “IDF” (Intermediate Distribution Panel Frame), and the
- 3) Emergency Operations Center (EOC).

During the site walk-thru, Nth was able to confirm the redundancy of Mesa Water’s physical servers, storage, and network infrastructure. In addition, Nth validated the 2021 Rack Elevation diagrams provided by T2 for the Main Data Center (MDF), IDF, and EOC.

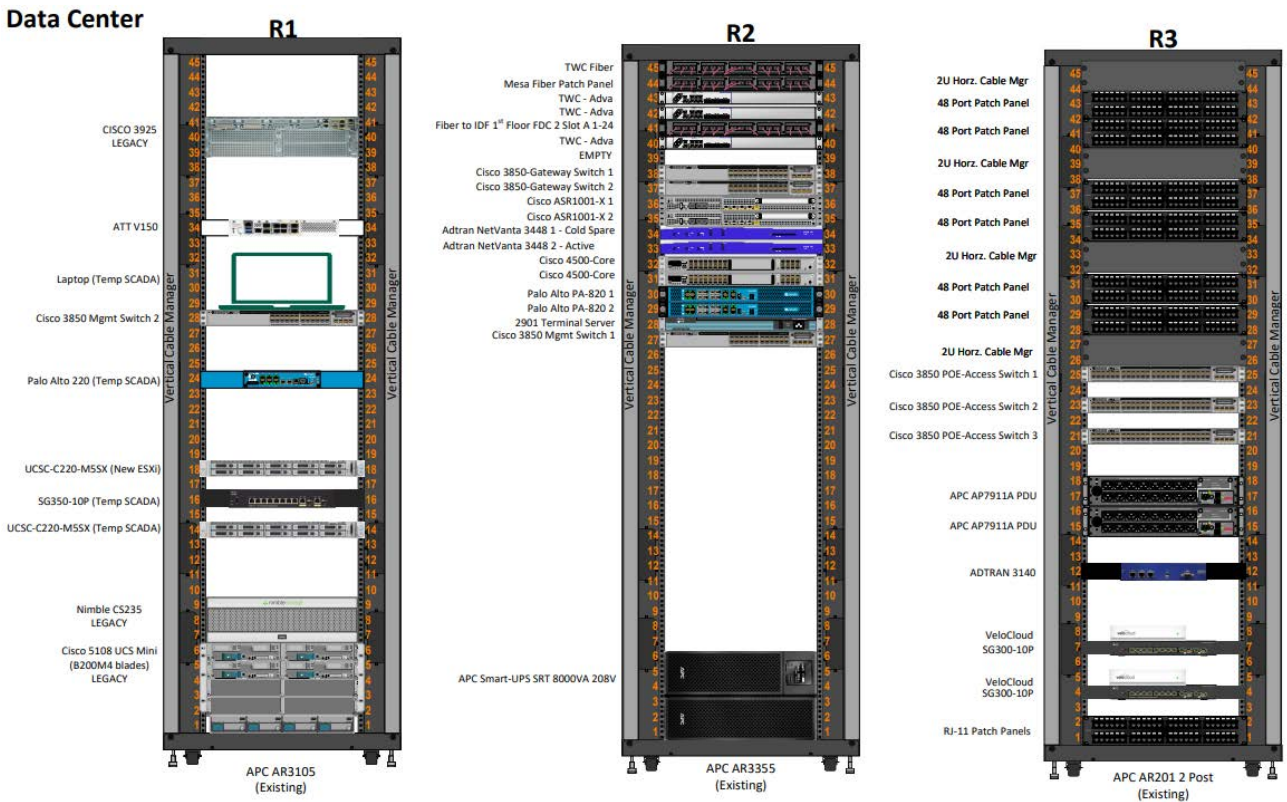


Figure 1 – Main Data Center (MDF) Rack Elevation Diagram

In the Main Data Center, rack R1 contains some SCADA hardware and legacy servers and storage. Rack R2 houses most of the network and firewall hardware. Rack R3 contains access switches, patch panels and VeloCloud SD Wan hardware.

There is only one rack in the IDF which contains access switches and patch panels. In the EOC there are two racks: one for redundant servers and storage along with supporting switches and firewalls and the other for redundant SCADA hardware.

EOC

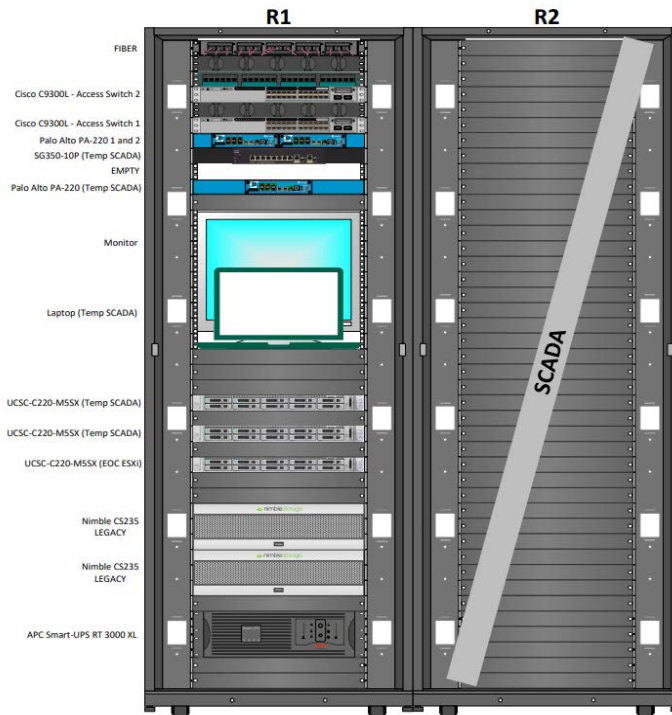


Figure 2 – EOC Rack Elevation Diagram

The onsite visit also enabled Nth to validate that these data centers are being constantly monitored by SolarWinds's for compliance with Mesa Water's Data Center metrics listed below.

- **Temperature:** The American Society of Heating Refrigerating and AC Engineers (ASHRAE) recommends that a class A1 data center that contains enterprise servers and storage hardware maintain operating temperatures between 59 to 89.6 degrees Fahrenheit. While A2 class data centers that have general volume servers and storage hardware as well as personal computers maintain operating temperatures between 50 to 95 degrees Fahrenheit. The IDF and EOC are considered A2 class data centers. *
- **Humidity:** Humidity measurement is both dew point, which is the temperature when the air is saturated, and relative humidity, which is the percent the air is saturated at any given temperature. For a class A1 data center, ASHRAE recommends a dew point no more than 62.6 degrees Fahrenheit with a relative humidity between 20 to 80 percent. For an A2 class data center, the relative humidity range is the same, but the maximum dew point can increase to 69.8 degrees Fahrenheit. *
- **Power:** Uninterruptible power supplies (UPS) are essential to ensure Mesa Water District has continuous power during a power outage. Each data center has an APC Smart-UPS that supplies reliable, network-grade power consistently and efficiently. In addition, the racks have metered Power Distribution Units (PDUs) that provide real-time remote monitoring of connected loads and the ability to define alarm thresholds in order to avoid overloaded circuits.

* <https://www.chiltrix.com/documents/HP-ASHRAE.pdf>

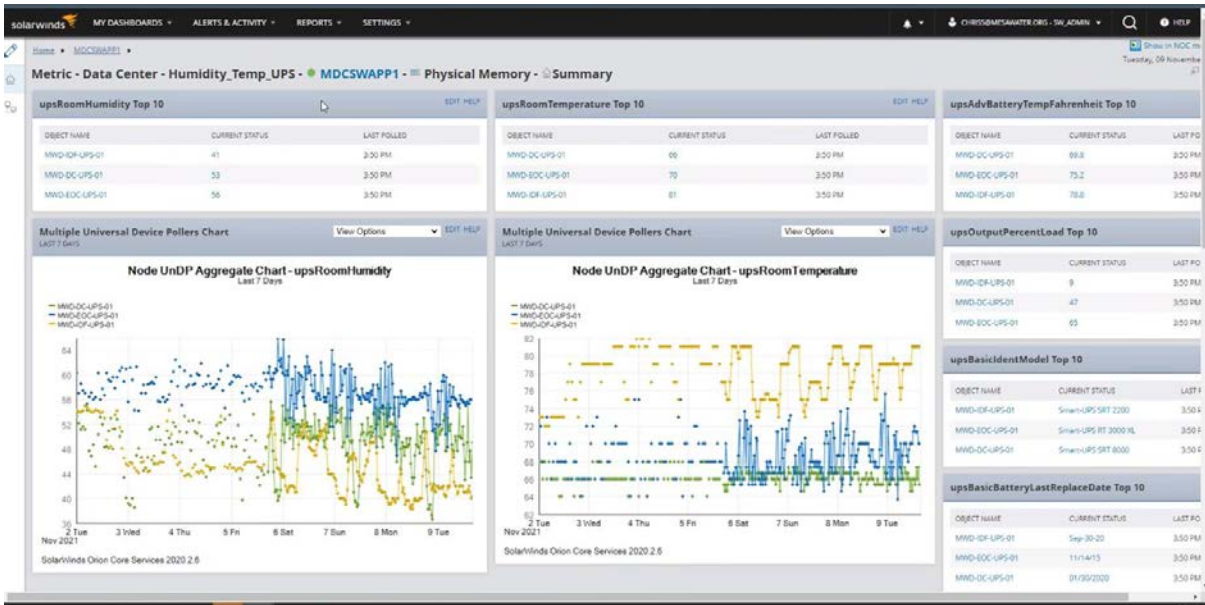


Figure 3 – SolarWinds Data Center Metrics

T2 performs a daily check of each data center’s temperature, humidity, and power as part of the Daily Checklist 1.04 IT Metric Checklist Procedure. The criteria for green, yellow, and red on each of these metrics is now a part of this procedure as well as a stand-alone document entitled, “Mesa Water District – IT Operation Metrics.”

| IT Operations Metric | Green | Yellow | Red | Description |
|----------------------|---|---|---|---|
| Data Center | Temp: 40-75 deg F (IDF 40-86 deg F) Humidity: 15-59 %RH UPS Utilization: 70% | Temp: 76-84 deg F (IDF 87-89 deg F) Humidity: 60-80 %RH UPS Utilization: 80% | Temp: 85+ deg F (IDF 90+ deg F) Humidity: +80 %RH UPS Utilization: 90% | DAILY: SolarWinds and/or manual checks - EOC facility via SNMP capable UPS or manual - MWRP facility via SNMP capable UPS or manual |

Figure 4 – Data Center IT Operation Metric

Mesa Water’s Temperature (Temp) metric is 40 to 75 degrees Fahrenheit for green which is well within the ranges recommended by ASHRAE. Mesa Water may want to consider modifying the Temp ranges for green, yellow, and red to reduce energy usage and better align with ASHRAE. The Humidity metric is also in line with the ASHRAE ranges for relative humidity, but the red metric may be reduced a little to account for a plus/minus range of metering accuracy that exists. T2 stated their thresholds align with the manufacturer’s recommendations and not specifically with ASHRAE. The Power utilization metrics are within industry standards. However, two UPS’s will need to be replaced in 2022 since they will be more than seven years old.

Physical Servers

Since 2019, Mesa Water’s server environment has been steadily moving to Amazon Web Services (AWS). For the remaining on-premise workloads, there are VMware ESXi Standalone hosts and two clustered VMware ESXi hosts running Virtual Machines (VM) on a unified computing system. The on-premise VM workload can easily be transferred between physical host computers in the ESXi host cluster making them more highly available, with regular replication to standalone and EOC hosts. When VMware host cluster high availability is properly configured, any service outage or hard crash

on a physical host will restart any affected VMs automatically on alternate hosts in the cluster and continue to run them with minimal service disruption.

T2 utilizes SolarWinds Orion Server & Application Monitor (SAM) module to provide availability and performance monitoring of the physical and virtual servers running on-premise and in AWS. SAM can automatically discover the relationships between applications and servers based on active application communication and can collect network connection statistics, such as packet loss and latency.

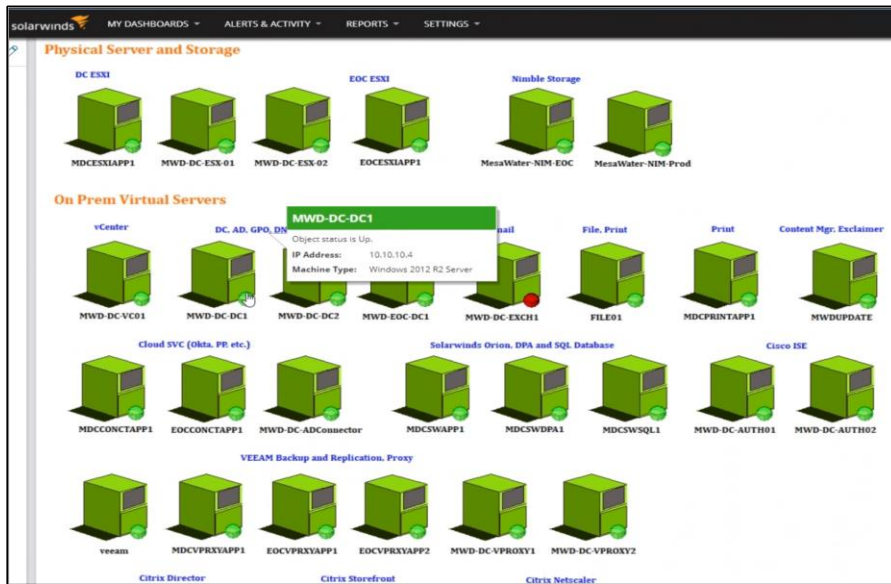


Figure 5 –SolarWinds Server Status Dashboard

SolarWinds Orion SAM also has customizable alerts and reporting features such as the one utilized by T2 (see below) to generate the 2021 OnPrem VM_Environment_Inventory file.

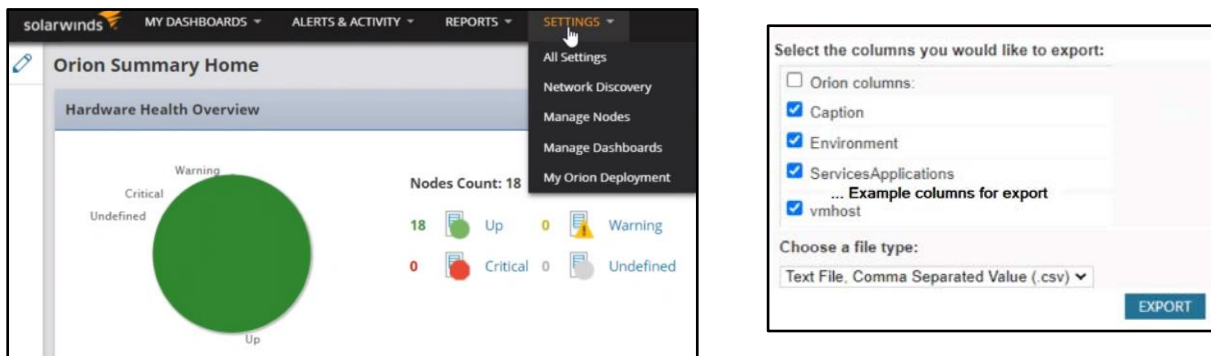


Figure 6 – SolarWinds export to CSV Report Feature

Virtual Machines (VM) on Premise

The on-premise VM report from SAM indicates what applications reside on each VM and that they are backed up via Veeam® Backup & Replication™. Veeam is configured to communicate with the vCenter Server Appliance that manages the vSphere environment hosting the VMs. Veeam is configured to protect both offsite (AWS) and on-premise local machines. Nth was not able to verify if the two remaining stand-alone physical servers in the MDF are protected with Veeam backup jobs.

VM list for vmhost mwd-dc-esx-01.mesawater.org located in the MDF.

| | |
|--------------|--------------------------|
| MWD-CTX-DC02 | Citrix XenApp, Director |
| MWD-CTX-NS02 | Citrix NetScaler Gateway |

| | |
|--------------------|--|
| MWD-CTX-SF01 | Citrix StoreFront |
| MWD-DC-ADConnector | Cloud Connector for OKTA, Ping Plotter; etc. |
| MWD-dc-auth01 | Cisco Identity Services Engine (ISE) |
| MWD-DC-VPROXY1 | Veeam Proxy for Backups and Replication |

VM list for vmhost mwd-dc-esx-02.mesawater.org located in the MDF.

| | |
|----------------|---|
| FILE01 | File Share, Print Share |
| MWD-CTX-DC01 | Citrix XenApp, Director |
| MWD-CTX-NS01 | Citrix NetScaler Gateway |
| MWD-CTX-SF02 | Citrix StoreFront |
| MWD-dc-auth02 | Cisco Identity Services Engine (ISE) |
| MWD-DC-DC2 | Domain Controller, DNS |
| MWD-DC-EXCH1 | Exchange Email Server |
| MWD-DC-VPROXY2 | Veeam Proxy for Backups and Replication |
| MWDUPDATE | Exclaimer for Email Signature |

Several of the VMs listed above were noted as legacy VMs that will be decommissioned once replacement VMs are completed.

VM list for vmhost mdcesxiapp1.mesawater.org located in the MDF.

| | |
|--------------|--|
| MDCCONCTAPP1 | Cloud Connector for OKTA, Ping Plotter; etc. |
| MDCPRINTAPP1 | Uniflow, Print Share |
| MDCSWAPP1 | SolarWinds Module: ORION, SAM, NPM, NCM, IPAM, NTA |
| MDCSWDPA1 | SolarWinds Module: DPA |
| MDCSWSQL1 | SQL Server for SolarWinds Modules |
| MDCUFLOWAPP1 | Uniflow, Print Share |
| MDCVPRXYAPP1 | Veeam Proxy for Backups and Replication |
| MWD-DC-DC1 | Domain Controller, DHCP, DNS |
| MWD-DC-VC01 | VMWare vCenter |

VM list for vmhost eocesxiapp1.mesawater.org located in the EOC that are required for failover.

| | |
|--------------|--|
| EOCCONCTAPP1 | Cloud Connector for OKTA, Ping Plotter; etc. |
| EOCVPRXYAPP1 | Veeam Proxy for Backups and Replication |
| EOCVPRXYAPP2 | Veeam Proxy for Backups and Replication |
| MWD-EOC-DC1 | Domain Controller, DHCP, DNS |
| VEEAM | Veeam Backup and Replication, SQL Express |

The majority of the ESXi hosts are running on vSphere 6.7. Originally, vSphere 6.7 was originally scheduled to reach End of General Support (EoGS) on November 15, 2021. VMware has extended this date to October 15, 2022. lifecycle.vmware.com

| ESX Host Details | |
|-------------------------|-------------|
| example host | |
| PRODUCT NAME | VMware ESXi |
| PRODUCT VERSION | 6.7.0 |

Nth Generation recommends Mesa Water plan to for the migration or upgrade of hosts to ESXi v7 before the October 2022 EoGS deadline.

Veeam Backups

Veeam is configured to communicate with the vCenter Server Appliance that manages the vSphere environment hosting the VMs. Veeam is configured for both offsite (AWS) and onsite local backups. Since Mesa Water servers run mostly as VMs on AWS with VMware on-premise failover options it is crucial business critical operations have no single point of failure.

According to the Daily Metrics logs and Monthly IT Management Reports, issues with Veeam Backup jobs have usually been related to Microsoft SQL VSS services or disk space shortages in the EOC Repository. Veeam Cloud Connect, iLand and AWS recovery procedures need to be practiced regularly. Since v10, Veeam has immutability improvements to help with ransomware protection and recovery. However, no IT policy and procedure nor implementation of ransomware or related intrusion protection were uncovered.

Client Computers

Mesa Water has standardized on Dell and Lenovo hardware for their desktops and laptops with an image deployment system to handle OS loads on these devices. T2 follows procedures for the deployment, maintenance, and tracking of these devices in BMC Track-It! T2 provided an Asset Report from Track-It! that contains the Asset Name, Manufacture, Model, Serial Number, and Date Purchased of these computers and all IT devices within their organization. Placing all physical asset information into one central database is an effective way to manage enterprise IT assets.

Storage

Mesa Water's primary storage is an HPE Nimble storage array, referred to as "MWD-DC-SAN-01" located in rack R1 in the MDF. This storage array operates with two physical controller modules in an active/stand-by configuration. Only one controller at a time owns access to the management interface and storage volumes through its external host port connections, however the A and B controllers are always powered on and capable of using compute resources to serve the array. In the event of a storage array controller failure or connectivity loss to the "active" controller's host ports, the HPE Nimble storage array is capable of automatically transferring access ownership to the "stand-by" controller to avoid service outages.

The EOC has two HPE Nimble storage arrays in the same management group and a single Storage Pool spanning both arrays in the group. These arrays are labeled as "MWD-EOC-SAN-01" and "MWD-EOC-SAN-02." MWD-EOC-SAN-01 has duplicate capacity of storage array MWD-DC-SAN-01 located in the MDF. MWD-EOC-SAN-02 adds more and is 50% of the capacity of the MWD-DC-SAN-01 storage array. Replication between EOC and MDF storage arrays is possibly enabled via the IDF location over a 1GB connection but has not been verified for 2021.

Nth received an InfoSight report on November 19, 2021, that showed volume sizes and capacity reports inconsistent with the FY2019 IT Assessment. More detail is needed from the Nimble storage arrays and VMware to properly assess capacity, use, and replication of data on these arrays.

The current Nimble OS versions running at both the MDF and EOC should be upgraded from the current version 4.5.0-533083 to at least version 4.5.3 or higher to support the current ESXi version 6.7x as documented in HPE Nimble support documentation. Nth recommends upgrading to the latest GA version of Nimble OS which is currently Nimble OS 5.2.1.800. This version includes many features such as HTML 5 vCenter plugin support, multiple bugfixes and security fixes including remote execution prevention. See Appendix B for reference details.

An IT audit on enterprise storage also examines VMware hosts for proper path policies on Nimble datastores which should be set to Round-Robin and not Most Recently Used (MRU). T2 did not provide any documentation to validate this.

VMware hosts can be checked for Nimble Connection Manager (NCM) installation which will set the Datastore path policy to Round Robin on Nimble Vendor ID volumes. This will make alternate paths active allowing more bandwidth on the active Nimble controller. It is recommended Mesa Water upgrade NCM which was recently renamed Storage Connection Manager (SCM) to version 7.0.2. along with the array upgrade of Nimble OS to version 5.2.1.800. See Appendix B for additional details on how to implement this recommendation.

Storage Connectivity

The HPE Nimble storage array provides centralized access to VMware shared datastore volumes using an iSCSI protocol Storage Area Network or SAN. The connection design depicted in Mesa Water’s 2021 Storage Architecture Diagram shows VMware hosts properly connected in a redundant fashion to a switch stack with the Nimble storage array connected to the same stack and cabled redundantly. This is true for both the MDF and EOC storage arrays.

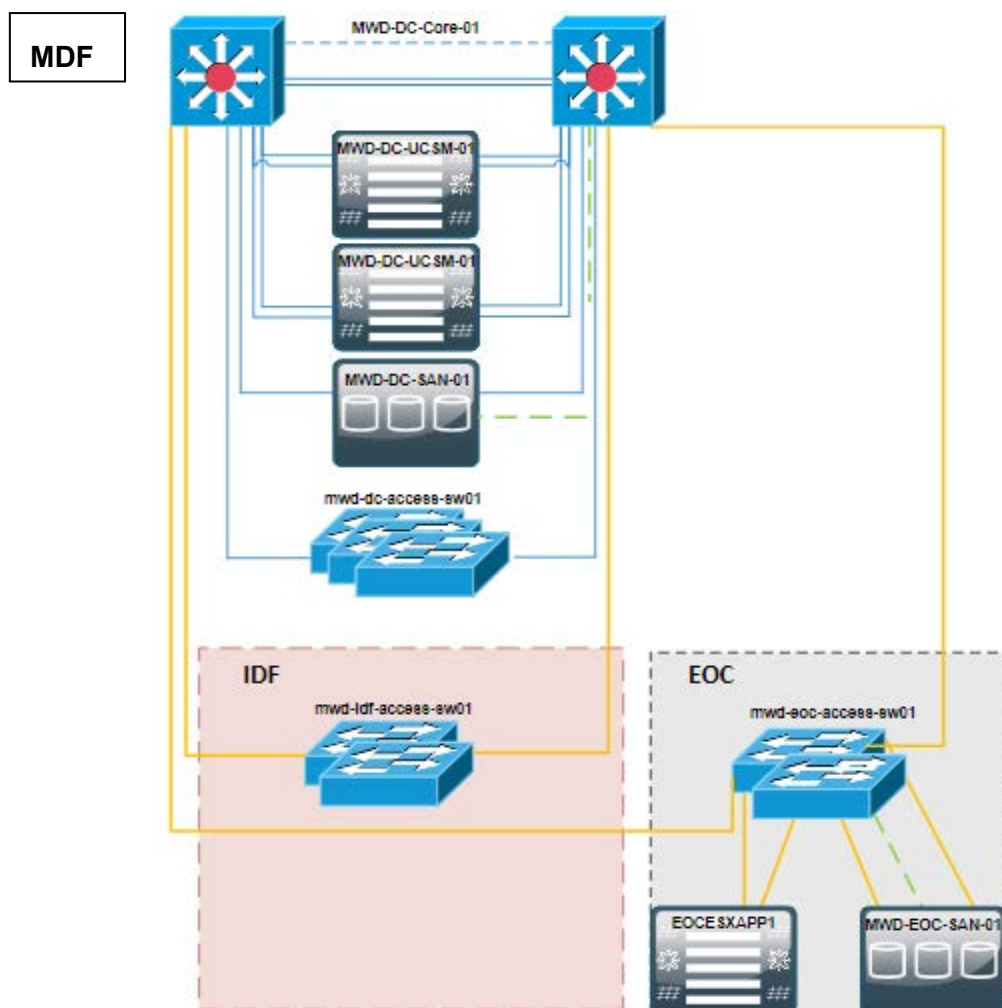


Figure 7 – Mesa Water Storage Architecture Diagram

The FY2019 IT Assessment noted that VMware hosts were depicted as “connected to a single storage switch”, with the Nimble storage array connected to a “different” storage switch. This year, the drawing has been remediated to reflect the actual connectivity and redundancy, depicting that the VMware hosts would not lose access to the Nimble storage array if a switch failure were to occur.

Network

In many ways, IP networks can be compared to the human central nervous system – they are typically interconnected by a backbone through which many other systems and services exchange messages. Principles of symmetry are applied to IT network services in their design and implementation. Core, distribution, and access layers of IP networking can benefit from a symmetrical mindset. Mesa Water has implemented this redundancy at several layers.

MDF Core Ethernet services are provided by two physical Cisco switches, which are interconnected and managed as a single logical VSS device.

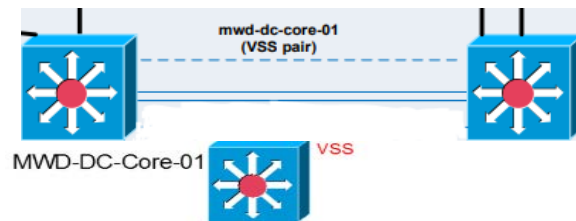


Figure 8 – Core Switch Network Design

Architecture implemented from the Core to the Access layers appears to fit into a “spine-leaf” topology, where stacked access switches at the network’s edges service compute components as well as Meraki wireless access points. The Core and Distribution layers appear to be collapsed in the Data Center (MDF), and the IDF access switches can be considered an intermediate layer between the Data Center and EOC location.

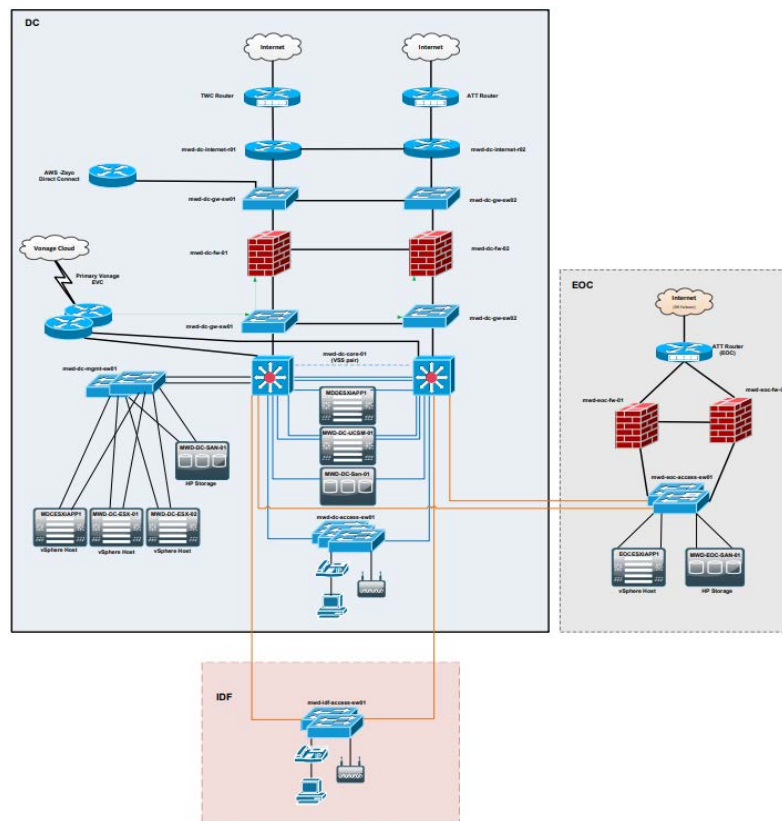


Figure 9 – 2021 Site to Site Network Design

In measuring the availability, reliability and resiliency of Mesa Water’s IT architecture, network services play a major role. To further improved these key metrics, T2 has incorporated past

recommendations for redundancy. In the last two years T2 has implemented an additional redundant ISP in the MDF, adding a AT&T Router to the design. They also replaced the two Barracuda firewalls with four Palo Alto Networks firewalls that provide firewall redundancy for both the main data center (MDF) and EOC.

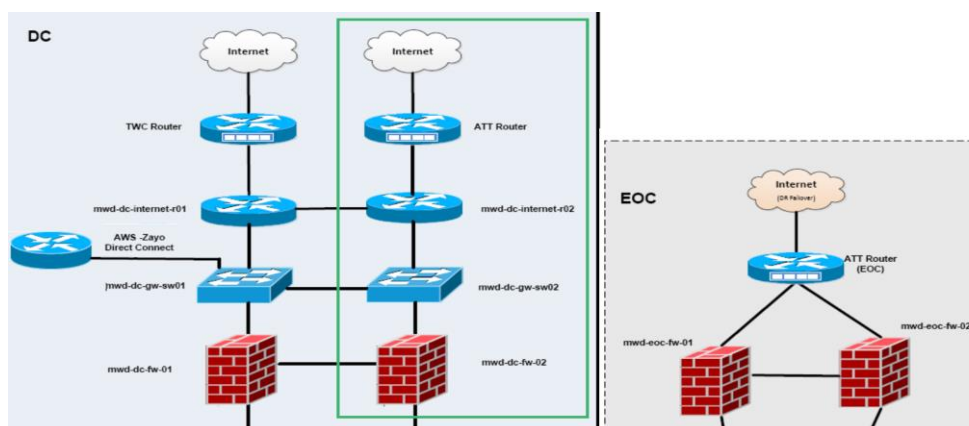


Figure 10 – Additional Redundant ISP and Firewall Design

Nth Generation recommends replacing end of life Cisco 3850 family to newer Cisco 9300 Series switches. In addition, it is important to refresh the Cisco 2901 Terminal Server which is end of life and has no further security updates available. Quarterly a Palo Alto Networks best practice assessment (BPA) should be run to validate and implement PAN recommendations for firewall security. And finally, if not already implemented, advanced URL filtering should be applied to protect against web attacks.

IT Operations

IT Policies

In IT services, governance defines the common policies, procedures, and rules that the organization uses to deliver and maintain its services. Every organization, regardless of the size, takes direction from a governance body: a person or group of people who are accountable at the highest level for the performance and compliance of the organization. At Mesa Water District, the 5-member Board of Directors is the governing body accountable for the organization’s compliance with policies and governmental regulations.

The Board of Directors, Mesa Water Leadership Team, and diligent staff have been recognized for safety, cost-savings, and process improvement initiatives. Their focus has been on “doing it right” rather than “writing it down” and therefore, there are only two policies related to IT services:

- DM-101 ELECTRONIC COMMUNICATIONS POLICY
- DM-020 CELL PHONE ALLOWANCE POLICY

The Electronic Communication Policy clearly and concisely outlines the acceptable use of District-owned IT and telecommunications equipment and data. This policy includes a User Agreement that must be signed by all employees and contractors. In the FY2019 assessment, Nth verified that hard-copies these agreements are stored in employee / contractor files.

The Cell Phone Allowance Policy provides guidelines on issuance of company phones and monetary allowances for personal mobile phones. IT is responsible for issuance and replacement of District owned phones and service provider plans. Nth had previously verified that 1.15 IT Onboarding New Employee procedure includes cell phone provisioning, if requested. The Policy also has a District Cell

Phone User Agreement that must be signed by both the employee and their manager. Hard-copies these agreements are also stored in employee files.

It would be helpful to create a few overarching policies that incorporate Mesa Water’s existing IT procedures. SANS Institute offers free IT Security Policy templates that can easily be tailored to Mesa Water’s business requirements <https://www.sans.org/information-security-policy/?msc=securityresourceslp>.

An alternative is to incorporate policies into Mesa Water’s existing IT procedures. These policies are a mini-mission statement that state the purpose of the procedure and some type of effectiveness measure to communicate how users know the procedure is working. The new procedures, 1.21 and 1.22, incorporate a purpose statement but do not have any performance indicators or metrics.

IT Procedures

IT procedures are a set of established methods for providing IT services and are instrumental for training, process improvement, and compliance initiatives. Mesa Water has two types of procedural documentation—flowcharts and a new MS Word template. The FY2019 assessment verified 13 flowcharts and three procedures or job aids. The following procedures were retired in FY2020:

- 1.02 IT Vendor Contract Management Metric
- 1.09 IT Workstation Availability Metric
- 1.19 IT Quarterly Audit
- 1.20 IT Biannual IT Plan Checklist
- Daily Checklist Procedure

This FY2021 assessment examined the 11 procedures listed below. Nth observed execution of the most frequently implemented procedure, 1.04 IT Metric Checklist, since it occurs daily. Nth was not able to observe less frequently occurring procedures but did conduct a thorough review of every flowchart and procedure updated since the FY2019 audit.

| IT Procedure | | |
|--|---|---|
| Name | Description | FY2021 Assessment |
| 1.01 IT Incident Notification - Escalation | Flowchart of incident notification, validation, and changes. Links to 1.12 | Procedure the same as FY2019 expect that “Red Alert” decision box changed to “IT Operations Impact.” |
| 1.04 IT Metric Checklist | Flowcharts daily system health checks and logging. Links to 1.01 | Procedure expanded to include IT Escalation and daily Scrum process. The “Red Alert” decision box changed to “Operations Impact.” |
| 1.10 IT Data Center Shutdown | Flowchart on how to shut down and power up servers, storage, and network in all three data centers. | No change to procedure since FY2019. T2 stated that this procedure has not been implemented since 2015. |
| 1.11 IT Microsoft Server Patch Updates | Flowchart of when and how Microsoft weekly updates are applied. | Procedure updated and expanded to include AWS. |
| 1.12 IT RCA-CQI Review | Flowchart of how IT events and incidents that require root cause analysis are remediated and monitored. | Procedure the same expect that MW Monthly Mgmt Review & Confirmation added to CQI Monitoring. |
| 1.13 IT New Equipment Processing | Flowchart on how to receive, inventory, and deploy IT assets. | Added “Manager Approval” and “Deploy to Customer” boxes so user assets such as laptops were included in the procedure. |

| | | |
|--|--|--|
| 1.14 IT HW Decommission and Surplus Processing | Flowchart on how to replace and decommission existing IT hardware both enterprise and user assets. | No change to procedure since FY2019. The “Red Alert” box is still in this flowchart. |
| 1.15 IT Onboarding New Employee | Flowchart on how to provision IT assets to new hires and train them on basic usage. | Removed “Configure and provision emp badge” Added HR and Dept Mgr. Confirmation to the “Customer sign-off” task. |
| 1.16 IT Terminated Employee Processing | Flowchart on how IT assets and user accounts are deactivated when employees leave. | Procedure is the same as FY2019 expect that HR no longer signs off. |
| 1.21 IT Company Posture | A description of Mesa Water’s risk tolerance, change control reviewers, and business continuity justifications. | New Procedure. Structured more like a policy rather than a step-by-step procedure. |
| 1.22 IT Software Management Procedure | A list of general and department specific software applications. Describes how these assets are managed and tracked. | New Procedure. Some overlap with Procedures 1.13 and 1.15. |

Mesa Water’s 1.04 IT Metric Checklist Procedure provides direction on how and what to monitor. Daily monitoring practice at Mesa Water includes reporting on availability and capacity of network, storage, and server resources, as well as power and cooling information at the Data Center and EOC facilities. Overall security events related to firewall, web filtering and anti-virus systems are also noted on the daily metrics logs.

The SolarWinds Orion Platform is a scalable, IT management tool for physical, virtualized, and cloud IT environments that has been implemented by T2 to collect the daily metrics. Currently, the following modules are in use at Mesa Water:

- Server & Application Monitor (SAM)
- Network Performance Monitor (NPM)
- Network Configuration Manager (NCM)
- IP Address Manager (IPAM)
- NetFlow Traffic Analyzer (NTA)
- Database Performance Analyzer (DPA)

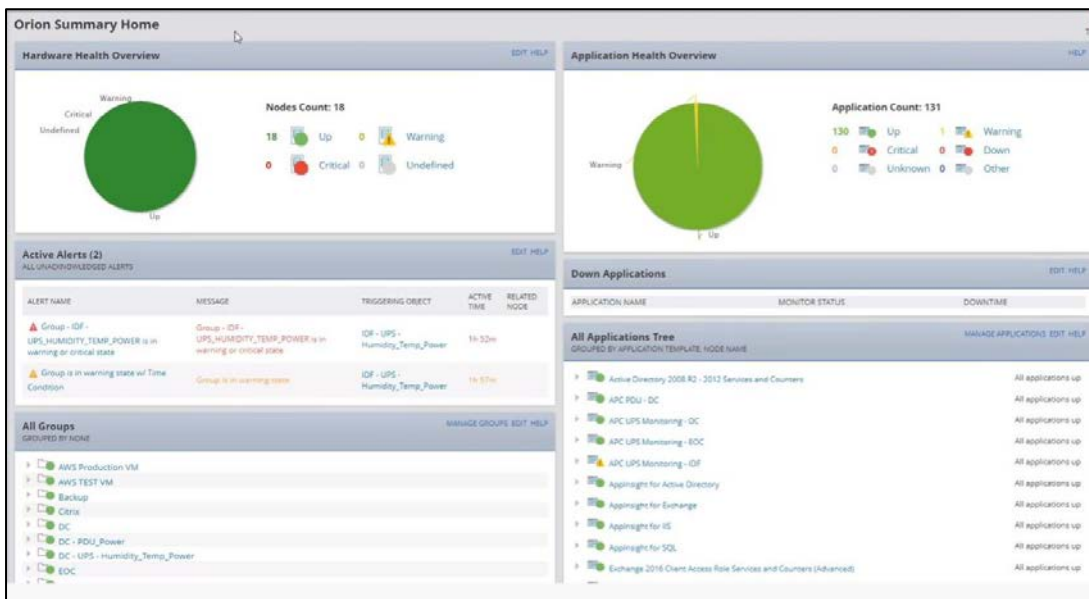


Figure 11 – SolarWinds Summary Screen with Alerts

According to Procedure 1.04, T2 support staff begin each day by checking SolarWinds for red alerts along with email alerts from Track-It! and SolarWinds. Email alerts are sent to ISTech@mesawater.com. If they find a warning or error message, they investigate it to determine its impact on the business. If the error is valid, they escalate to Mesa Water management via the IT Escalation Process. It would be better to label this box the IT Incident Notification Process so that users can easily correlate this to Procedure 1.01 IT Incident Notification – Escalation which is followed to resolve incidents.

If there are no business impacting alerts, T2 support staff present the daily metrics during a newly implemented IT Operations Scrum meeting. During this daily meeting, all IT metrics are assessed and those deemed yellow or red for the day are placed on the IT Operations Backlog. Nth was not given a copy of this backlog report.

Procedure 1.04 also requires the validation of backups performed by Veeam® Backup & Replication™. SolarWinds provides a summary of the backup jobs performed nightly.

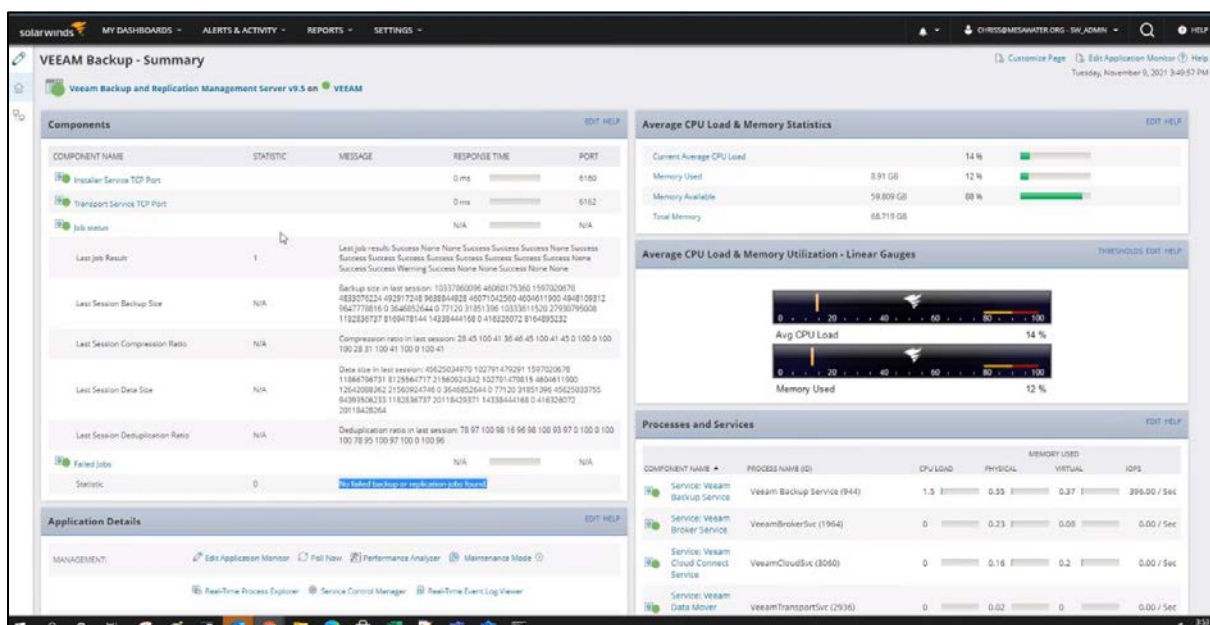


Figure 12 – SolarWinds Backup Metric

All daily metrics are recorded in an Excel spreadsheet, one file for each month. This data is correlated and compiled into an IT report that is sent monthly to Mesa Water management.

The 1.12 IT RCA-CQI Review procedure also appears to be utilized regularly as evidenced by the detailed MWD Incident RCA Log files. However, since not all incidents should generate an RCA nor do all RCAs require budget and schedule, it would be better to place a decision box at the start of the RCA Event to assess the need for an RCA versus just resolution of the incident.

IT Procedure Irregularities

Procedures 1.13, 1.14, 1.15 and 1.16 related to IT asset management reference updates to the Asset Inventory Sheet, Surplus Sheet, and Spare Inventory Sheets that are now retired. These procedures need updating. Mesa Water followed recommendations to focus on a single repository for physical assets and now utilizes Track-it! as their central asset management repository for all physical assets. T2 validated this by providing a 2020-2021 inventory report from Track-It! which highlighted two new UCS rackmount ESXi standalone servers, the transition to Palo Alto Networks firewalls, and the acquisition of new Cisco Meraki Wireless APs.

Procedures outline the step-by-step implementation of various tasks. By following a procedure, one can achieve a desired outcome. This is not the case for the two new procedures, 1.21 IT Company Posture and 1.22 IT Software Management. These two new documents were categorized as procedures but appear to be a mix of policy statements, governance, guidelines, roles, and responsibilities. To become a procedure, they must be rewritten.

Status Reporting

Mesa Water receives a monthly IT Management Report from T2. This report is a compilation of the daily performance metrics and the asset aging data from the Track-it! asset inventory report.

PowerPoint versions of the Availability, Backup and Security summaries were more accurate than initial PDF reports provided. Except in the case of the Asset Aging metric where the PDF version was accurate, and the PowerPoint version was not.

| IT Operations Metric | Green | Yellow | Red | Description |
|-------------------------|---|--|--|---|
| Asset Management | <p>HW <3yrs old and supported by vendor</p> <p>SW on fully supported version</p> <p>Vendor support contract or equivalent entity agreement in place</p> <p>No out of compliance licensing per IT audit or IT service provider notification</p> | <p>HW 3-4 years old or has been 'Sunset' by vendor</p> <p>SW at 2 versions below recommendation or 'Sunset' by the vendor</p> <p>Vendor support contract or equivalent entity agreement in place and will expire in 120 days</p> <p>Out of compliance licensing per IT audit or IT service provider notification with no loss system availability.</p> | <p>Hardware >5yrs old or SW/HW at 'End of Support' per vendor.</p> <p>SW > 2 versions below recommendation or at 'End of Support' per vendor</p> <p>Vendor support contract or equivalent entity agreement in place and will expire in <30 days</p> <p>Loss of system access or availability due to IT licensing issue.</p> | <p>3 month manual checks on HW/SW status using up to date IT Infrastructure</p> <ul style="list-style-type: none"> - Software inventory spreadsheet and/or IT asset contracts and documentation - IT Inf date HW installed at MWD - IT Inf vendor HW/SW version & 'Sunset'/End of Support status - IT Inf vendor support contract end date - IT Inf vendor license compliance status - IT Dept System - Application version status - IT system licensing compliance status |

Figure 15 – Asset Management IT Operation Metric

The PowerPoint version of the IT Monthly Management Reports for the Asset Aging metric was incorrectly moved to green starting in January 2021. T2 has confirmed that Asset Aging metric should have remained red for the 2021 reporting period because there are assets such as the Nimble Storage Arrays that are older than 5 years and have software versions below the manufacturer's recommendation. T2 corrected the PowerPoint summary and underlying graphic and resubmitted these for the final audit.

| Manufacturer | Asset Type | Asset Name | Model | Date Purchased |
|-------------------|------------|--------------------------|--|----------------|
| APC | PDU | mwd-eoc-pdu-a | AP7900 | 6/14/2015 |
| APC | PDU | mwd-eoc-pdu-b | AP7900 | 6/14/2015 |
| APC | PDU | mwd-idf-pdu-a | AP7900 | 6/15/2015 |
| APC | PDU | mwd-idf-pdu-b | AP7900 | 6/15/2015 |
| APC | PDU | mwd-dc-pdu-e | AP7911A | 6/15/2015 |
| APC | PDU | mwd-dc-pdu-f | AP7911A | 6/15/2015 |
| APC | PDU | mwd-dc-pdu-a | AP8641 | 6/14/2015 |
| APC | PDU | mwd-dc-pdu-b | AP8641 | 6/15/2015 |
| APC | PDU | mwd-dc-pdu-c | AP8641 | 6/15/2015 |
| APC | PDU | mwd-dc-pdu-d | AP8641 | 6/15/2015 |
| HP | Printer | HRPrinter_FAX | HP LaserJet 3390 All-in-One Printer | 10/22/2006 |
| HP | Printer | CNDCG860N8 | HP LaserJet Enterprise 500 color Printer | 8/25/2014 |
| HP | Printer | BillingLaser | HP LaserJet Enterprise P3015dn Printer | 4/19/2011 |
| HP | Printer | npi33466e | HP LaserJet Pro M402dn | 6/9/2016 |
| HP | Printer | npi3f89ac | HP LaserJet Pro MFP M521dn | 4/22/2015 |
| Lexmark | Printer | 72BCNY6 | Lexmark - E260dn | 6/1/2012 |
| CISCO | Router | mwd-dc-internet-r01 | ASR1001-X | 9/14/2015 |
| CISCO | Router | mwd-dc-internet-r02 | ASR1001-X | 9/14/2015 |
| CISCO | Server | MWD-DC-ESX-01 | UCS-SPL-B200M4-A1 | 5/31/2015 |
| CISCO | Server | MWD-DC-ESX-02 | UCS-SPL-B200M4-A1 | 5/31/2015 |
| CISCO | Server | MWD-DC-UCSM-01 | UCS-SPL-MINI | 6/1/2015 |
| HPE Nimblestorage | Storage | MWD-DC-SAN-01 | CS235 | 6/1/2015 |
| HPE Nimblestorage | Storage | MWD-EOC-SAN-01 | CS235 | 6/1/2015 |
| HPE Nimblestorage | Storage | MWD-EOC-SAN-02 | CS300 | 6/1/2015 |
| CISCO | Switch | mwd-dc-gw-sw01 | WS-C3850-24T-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-gw-sw02 | WS-C3850-24T-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-mgmt-sw01 | WS-C3850-24T-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-mgmt-sw02 | WS-C3850-24T-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-access-sw01 (S1) | WS-C3850-48F-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-access-sw01 (S2) | WS-C3850-48F-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-access-sw01 (S3) | WS-C3850-48F-L | 9/16/2015 |
| CISCO | Switch | mwd-idf-access-sw01 (S1) | WS-C3850-48F-L | 9/16/2015 |
| CISCO | Switch | mwd-idf-access-sw01 (S2) | WS-C3850-48F-L | 9/16/2015 |
| CISCO | Switch | mwd-dc-core-01 (S1) | WS-C4500X-24X-IPB | 9/16/2015 |

Figure 14 –Partial Asset Aging Report as of Nov 2021

All Monthly IT Management reports appear to be accurate and complete in reporting incidents with details including resolution. The Monthly IT Management reports for fiscal year July 2020-June 2021 all agree with the MWD Incident-RCA logs for the same time period.

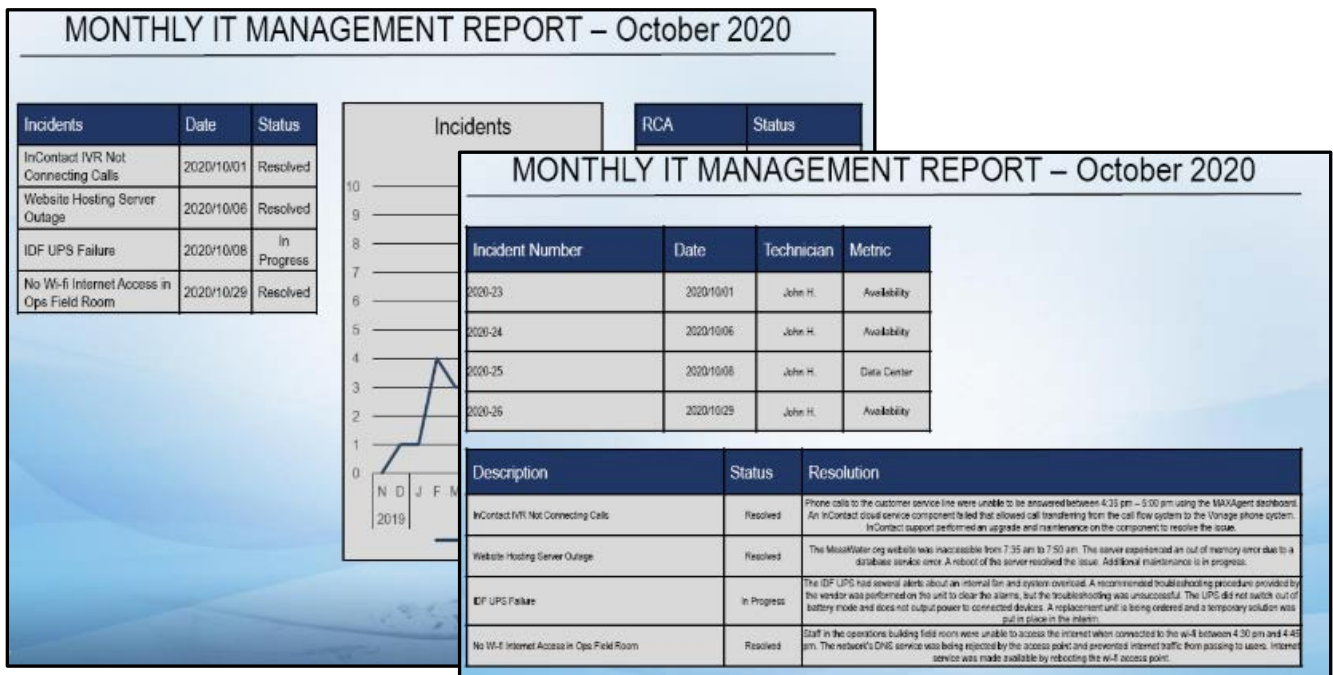


Figure 13 – Sample Monthly IT Management Report– Incident Details

During FY2021 the Daily Metrics Checklist log files submitted for 2020 and 2021 appear to have a few minor discrepancies when compared with the Monthly IT Reports given to Management Staff.

| Date | Findings | Description |
|-----------|--|--|
| Jan 2020 | Missing incidents and inaccurate capacity metrics. | There was no reporting of an IVR Service availability outage on 1/07 and for a Citrix availability disconnect on 1/27. In addition, capacity overall yellow and network red reported 1/04 thru 1/21 and Server (N/A) reported 1/04 thru 1/06. SolarWinds might not have reported capacity during the software rebuild from 1/04 thru 1/22 but this should have been noted in the report. |
| Mar 2021 | Missing incident | Vonage Desk out of service was not shown on 3/31. |
| June 2021 | Incorrect dates | Overall and network availability was reported as 6/18/2021 and should be 6/17/2021 |

Continuous Service Improvement

The IT Infrastructure Library (ITIL) defines Continual Service Improvement as a process which utilizes techniques from quality management to learn from prior success and failures and aims constantly to increase efficiency and effectiveness of IT services and processes. Mesa Water has created their own CQI program that was defined in T2's IT Audit 2018 as:

- Incidents are identified and properly documented.
 1. Metrics with a RED condition are logged and identified as an incident
 2. Operational outages are logged and identified as an incident
 3. Incidents are documented and stored in a backed-up directory
- Incidents are processed and made visible to senior management.
 1. There is an immediate notification process to notify IT staff and management if there is an operational outage or RED condition
 2. An incident log is made visible to senior operational leadership
- There is a process to review and track incidents and RCA items.
 1. Incidents are reviewed with IT management to determine if an RCA is necessary
 2. RCA status is reviewed with IT and operational management on an ongoing basis

IT incidents are labelled with a tracking number and included in the Monthly IT Reports for management review. RCA requests are also noted within the monthly reports when they are requested for a specific incident, and Nth was able to review a few examples for the FY2021 assessment. The logging of incidents and RCAs has greatly improved from past FY2019 assessment.

Change Management

Change Orders occurring between June 2020 and July 2021 are detailed in the Change Management Log. According to this document, there were over 150 Change Orders successfully completed. Mostly scheduled, informational, and administrative events.

| Change ID | Status | Type | Category | Description | CCRB Submitted By | Submission Date | Change Date | Change Time |
|-----------|-----------|----------------|-------------|---|-------------------|-----------------|-------------|-------------|
| MW00197 | Completed | Emergency | Application | Adobe Pro Enterprise installation on Citrix | Matt W. | 17-Jun-20 | 26-Jun-20 | 5:30 PM |
| MW00212 | Completed | Administrative | Database | Great Plains Year-End Roll Process for 2020 | Jonathan A. | 2-Jun-20 | 9-Jun-20 | 5:30 PM |
| MW00216 | Completed | Administrative | Application | MobileConnect Update Deployment | Jonathan A. | 11-Jun-20 | 11-Jun-20 | 5:30 PM |
| MW00217 | Completed | Emergency | Server | Veeam Backup Storage Clean Up | Matt W. | 15-Jun-20 | 15-Jun-20 | 5:30 PM |
| MW00218 | Completed | Emergency | Server | DPA Database Solarwinds Module | Matt W. | 22-Jun-20 | 23-Jun-20 | 10:00AM |
| MW00219 | Completed | Administrative | Server | ISE Certificate Deployment | Jonathan A. | 23-Jun-20 | 24-Jun-20 | 12:00 PM |
| MW00243 | Completed | Scheduled | Server | SolarWinds migration to production | John H. | 16-Jun-20 | 22-Jun-20 | 8:00 AM |
| MW00244 | Completed | Scheduled | Server | Carbon Black push to all production servers | John H. | 16-Jun-20 | 23-Jun-20 | 9:00 AM |

Figure 16 – Partial IT Change Order Log

Recommendations

| Category | Findings Summary | Corrective Actions |
|-----------------------------|--|--|
| Server Architecture | <p>Redundancy was improved in several areas of the enterprise architecture.</p> <p>The Cloud and on-premise infrastructure are managed by a single management tool – SolarWinds. Both these environments need further high availability review to ensure that the failure of either does not result in significant downtime.</p> | <ul style="list-style-type: none"> • Re-examine data center temperature thresholds when adding/removing equipment; align with ASHRAE standards • Plan to replace two UPS in June 2022 • Plan to upgrade VMware; version 6.7 will reach end of support on Oct 15, 2022 • Upgrade to Veeam v11 implementing new ransomware immutable backup options (applies to server and storage) |
| Storage Architecture | <p>Storage arrays are more than five years old. OS upgrades are required to reduce security risk.</p> | <ul style="list-style-type: none"> • Upgrade to Nimble OS 5.2.1.800 on all storage arrays • Confirm Nimble datastores are set to Round-Robin • Upgrade Storage Connection Manager (SCM) to version 7.0.2 |
| Network Architecture | <p>Improvements in High Availability and redundancy were implemented.</p> | <ul style="list-style-type: none"> • Replace End-of-Life Cisco switches • Implement Best Practice health checks for Palo Alto Networks firewalls |
| Policies | <p>There are very few written IT operation policies or formal statements that explain the purpose and importance of following the IT Procedures. Changes in the IT environment are more likely to cause procedural updates rather than a policy update.</p> | <p>Create policy statements that outline governance controls and conditions for when and how IT Procedures are executed. These policy statements will set the directional tone for IT and include who, what, why, and to what measure.</p> |
| Procedures | <p>Repeatable processes require documentation that is comprehensive enough to allow an independent third party to perform the task(s) successfully.</p> <p>New procedures “1.21” and “1.22” are formatted more like policies than procedures.</p> | <ul style="list-style-type: none"> • Creating a Procedure Template that includes workflow diagrams, when applicable. • Update 1.12 to include a decision box for when an RCA is needed. • Revise Flowcharts 1.13, 1.14, 1.15 and 1.16 to remove references to retired spreadsheets. • Add a list of approved software to Procedure 1.15 IT Onboarding New Employee • Procedures 1.21 and 1.22 should be clarified and likely used as policy statements. |

| Category | Findings Summary | Corrective Actions |
|----------------------------------|---|--|
| Service Continuity | Backups are performed nightly and checked daily. However, there is still no IT policy or procedure requiring regular backup recovery testing. Procedure 1.21 identifies catastrophic events and potential mitigation strategies. | <ul style="list-style-type: none"> • Conduct a business impact analysis. • Create an IT Business Continuity Plan. • Generate and test the operation of an IT Disaster Recovery Procedure. |
| Monthly Status Reports | Corrective actions were implemented from last year's recommendations. | Conduct an internal QC check of IT Monthly Status Reports prior to submission to Mesa Water management. |
| Root Cause Analysis (RCA) | Very timely response to incidents that occurred in FY2021. | Procedures 1.12 IT RCA-CQI and 1.01 IT Incident Notification flowcharts need to be updated to reflect processes followed by T2. |
| Change Control | Regular server patching procedures are defined and executed monthly, with a weekly staggered schedule that updates 4 different groups of servers. Change Orders are entered into a Change Management Log & tracked with request forms and detailed work logs when changes are performed. | Consider using the Track-IT! Change Management feature to track all Change Orders. Previous assessment was done with full uploads of actual "CO" documents instead of just a change log sheet. |

Implementation of Past Recommendations

1. Implemented "Track-IT" software as a central asset inventory database instead of external spreadsheets.
2. ESXi and Storage cabling were improved for failover and higher availability.
3. Improved Status Reporting and correlation to change management and log details.

Appendix A – IT Infrastructure Scoring Matrix

The IT Infrastructure was scored on a scale from 1 – 5 based on the criteria defined in the “Scoring Method” section of this report. Below are the Nth assessor’s notes and scoring data.

Systems Architecture

Policy: Maturity level 3 was scored due to Mesa Water having very little written policies or requirements regarding IT Systems Architecture. However, there is a verbal agreement regarding the redundant design of IT systems as depicted in the architecture drawings that were provided. Mesa Water management and T2 technical staff agree critical IT services should be highly available at all times, but no high availability metric exists that would enforce a service level agreement (SLA) for availability.

Procedure/Practice: Maturity level 4.4 was scored because the architecture is well documented and system configuration files were made available for review. Due to some differences in documentation provided, Nth recommends updating and consolidating the documents so there is no conflicting information.

Operations

Policy: Maturity level downgraded to a 3 because no effort has been made to generate new policies or implement policy statements into the existing procedures. Policy statements for daily monitoring, status reporting, incident escalation, problem resolution and business continuity need to be defined and documented.

Procedure/Practice: Maturity level 4 was scored because unused procedures were retired, active procedures were reviewed and some but not all were revised to reflect new IT processes.

Status Reporting

Policy: Maturity level 3 was scored because Mesa Water has established a set of standard data center metrics to be monitored and recorded daily by T2 technical staff. Even though the metrics are clear, the policy for monitoring critical systems should be documented in an “official” statement format. A policy statement that includes a measure of performance will help to avoid mistakes and drive third-party service levels. Given Mesa Water’s current state of documentation on Status Reporting, an official policy statement can be generated from looking at the documented procedures and workflows.

Procedure/Practice: Maturity level 4.5 was derived from examining each of the Monthly Status Reports generated by T2 for Mesa Water management during the fiscal year (July 2020 – June 2021). Each month was analyzed for what events were recorded in the Daily Monitoring Checklist files versus what was reported in Monthly IT Report. Every month was then given a score from 1-5 based upon the assessment results. The Status Reporting Procedure / Practice score of 4.45 is an average for the twelve-month period.

| Month | Procedure Score |
|-------|-----------------|
| Jul | 5.0 |
| Aug | 5.0 |
| Sep | 5.0 |
| Oct | 5.0 |

| | |
|------|-----|
| Nov | 5.0 |
| Dec | 5.0 |
| Jan | 3.5 |
| Feb | 4.0 |
| Mar | 4.0 |
| Apr | 4.0 |
| May | 4.0 |
| June | 4.0 |

Average **4.46**

Continuous Service Improvement

Policy: Maturity level 5 was scored because Mesa Water has a well-defined Continuous Quality Improvement program with the goal of ensuring IT incidents have a path for Root Cause Analysis (RCA). Although this policy is clear for enabling and maintaining a functional environment for employees to be productive, it can be enhanced by including language around policy constraints and timelines for when an RCA is needed and how long changes are to be monitored.

Procedure/Practice: Maturity level 4.5 because the practice of the CQI program has matured with well documented Root Cause Analysis forms and Change Management Logs.

Appendix B - Storage Array Reference Data



Alletra 6000, Nimble Storage Validated Configuration Matrix

The HPE Nimble Storage and HPE Alletra 6000 organization has made a commitment to our customers to exert reasonable effort in supporting any industry-standard configuration. We do not limit our customers to only what is explicitly listed on SPOCK or the Validated Configuration Matrix (VCM), which lists tested or verified configurations (what HPE Nimble Storage and HPE Alletra Storage commonly refers to as "Qualified" Configurations). Essentially, this means that we will exert reasonable effort to support any industry-standard configuration up to the point where we find, or become aware of, an issue that requires some other course of action. *

Example cases where support may not be possible include:

- Configurations explicitly called out by SPOCK or the VCM as known not to work properly
- An OS (legacy or otherwise) that does not support or contain functionality needed by the customer
- A vendor that does not or will not support the requested functionality (either through a violation of their Best Practices or the product is End-of-Life/Support with that vendor)

* In the event where other vendors need to be consulted, the HPE Nimble Storage and HPE Alletra 6000 Storage Support team will not disengage from the Support Action. HPE Nimble Storage Support will continue to partner with the customer and other vendors to search for the correct answers to the issue.

Note: KVM (Kernel-based Virtual Machine) is supported on all qualified versions of RHEL.

Note: In addition to the iSCSI initiators, HPE Nimble Storage and HPE Alletra Storage also fully supports Windows guest operating systems on Microsoft Hyper-V.

Note: Unless otherwise indicated in the Notes, the initiators support boot from SAN.

iSCSI Software Initiators

| Host OS | HPE Alletra, NimbleOS | Notes |
|----------------|---|-------|
| VMware ESX 6.7 | 4.5.3 and later 4.x versions, 5.0.x, 5.1.x, 5.2.1.x, 5.3.x, 6.0.0.x | None |



Alletra 6000, Nimble Storage Validated Configuration Matrix

HPE Storage Connection Manager for VMware manages connections from the host to volumes on HPE Nimble storage and HPE Alletra 6000 arrays.

HPE Storage Connection Manager for VMware

| SCM | HPE Alletra, NimbleOS | vSphere Version | Notes |
|-------|-----------------------|-----------------|---------|
| 7.0.2 | 5.x, 6.0.0.x | 6.5, 6.7, 7.0 | 2, 3, 5 |

| CSx00/CS2x5 Arrays | | | | | |
|--------------------|-------|-------|-------|-------|----------|
| CS700 | CS500 | CS300 | CS235 | CS215 | NimbleOS |

| ES2 Shelves | | | | | | |
|---|------------------|------------------|------------------|------------------|----------------------|-------|
| Max # Expansion Shelves (ES1 + ES2) | 6 ^{1,2} | 6 ^{1,2} | 6 ^{1,2} | 3 ^{1,2} | 0 ^{1,2} | 5.0.7 |
| Mix any of the following options up to platform max | Yes | Yes | Yes | Yes | No | |
| ES2-H21T (12TB Raw Hyb Exp Shelf, 16TB (15TB) usable, 720GB Flash Cache (2x 360GB), 2x1M Qual SAS cable) | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-H42T (42TB Raw Hyb Exp Shelf, 33TB (30TB) usable, 1200GB Flash Cache (2x 600GB + 1x 240GB), 2x1M Qual SAS cable) | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-H84T (84TB Raw Hyb Exp Shelf, 67TB (61TB) usable, 2400GB Flash Cache (2x 900GB + 1x 480GB), 2x1M Qual SAS cable) | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-H126T (126TB Raw Hyb Exp Shelf, 101TB (92TB) usable, 3600GB Flash Cache (2x 1800GB + 2x 900GB), 2x1M Qual SAS cable) | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-H168T (168TB Raw Hyb Exp Shelf, 136TB (124TB) usable, 4800GB Flash Cache (2x 2400GB + 1x 900GB), 2x1M Qual SAS cable) | Yes | Yes | Yes | Yes | No | 5.0.7 |
| TOTAL MAX CACHE CAPACITY (HEAD SSDs + APS SSDs + ES SSDs) ³ | 76TB | 36TB | 16TB | 16TB | 8TB | |
| TOTAL MAX RAW CAPACITY (HEAD HDDs + ES HDDs) ³ | 702TB | 682TB | 368TB | 368TB | 217TB ^{4,7} | |
| ES2 Optional Cache for Bank B | | | | | | |
| Only ONE of the following options can be selected: | | | | | | |
| ES2-PLC-2880GB (2.88TB Flash Pack: 3 x 960GB SSDs for ES2 shelf) - 2880P | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-PLC-5760GB (5.76TB Flash Pack: 3 x 1920GB SSDs for ES2 shelf) - 5760P | Yes | Yes | Yes | Yes | No | 5.0.7 |
| ES2-PLC-11520GB (11.52TB Flash Pack: 3 x 3840GB SSDs for ES2 shelf) - 11520P | Yes | Yes | Yes | Yes | No | 5.0.7 |
| TOTAL MAX CACHE CAPACITY (HEAD SSDs + ES-APS2 SSDs + ES SSDs) ³ | 76TB | 36TB | 16TB | 16TB | 8TB | |
| All-Flash-Shelves | | | | | | |
| Max # of All Flash Shelves (ES1-APS + ES2-APS) | 1 ^{1,2} | 1 ^{1,2} | 1 ^{1,2} | 0 | 0 | 5.0.7 |
| Max # number of APS-PLC 4-packs (per platform basis.) | 4 | 4 | 4 | 0 | 0 | |
| ES2-APS2: 4U48 All-Flash Exp Shelf | Yes | Yes | Yes | No | No | 5.0.7 |
| APS2-PLC-4T (3.84TB Flash Pack: 4 x 960GB SSD for ES2-APS2 All Flash Shelf) | Yes | Yes | Yes | No | No | 5.0.7 |
| APS2-PLC-8T (7.68TB Flash Pack: 4 x 1920GB SSD for ES2-APS2 All Flash Shelf) | Yes | Yes | Yes | No | No | 5.0.7 |
| APS2-PLC-15T (15.36TB Flash Pack: 4 x 3840GB SSD for ES2-APS2 All Flash Shelf) | Yes | Yes | Yes | No | No | 5.0.7 |
| UPGD-APS-4T (3.84TB cache field upgrade: 4 x 960GB SSD for ES1-APS All Flash Shelf) Supported with ES1-APS only | Yes | Yes | Yes | No | No | 2.3.8 |
| UPGD-APS-8T (7.68TB cache field upgrade: 4 x 1920GB SSD for ES1-APS All Flash Shelf) Supported with ES1-APS only | Yes | Yes | Yes | No | No | 2.3.8 |
| TOTAL MAX CACHE CAPACITY (HEAD SSDs + APS SSDs + ES SSDs) ³ | 76TB | 36TB | 16TB | 16TB | 8TB | |
| Head Network Add / Upgrade Options | | | | | | |
| Only ONE of the following options can be selected: | | | | | | |
| UPGD-PCI-10GTX1: PCIe Field Upgrade Dual 10GbaseT only (Qty. 1 pair) 2T | Yes | Yes | Yes | Yes | Yes | 2.1.x |
| UPGD-PCI-10GTX2: PCIe Field Upgrade Dual 10GbaseT only (Qty. 2 pair) 4T | Yes | Yes | Yes | No | No | 2.1.x |
| UPGD-PCI-10GFPX1: PCIe Field Upgrade Dual 10GbE Optical only (Qty. 1 pair) 2P | Yes | Yes | Yes | Yes | Yes | 2.1.x |
| UPGD-PCI-10GFPX2: PCIe Field Upgrade Dual 10GbE Optical only (Qty. 2 pair) 4P | Yes | Yes | Yes | No | No | 2.1.x |
| UPGD-PCI-16PC (PCIe Field Upgrade Dual 16Gb Fibre Channel HBA) | Yes | Yes | Yes | Yes | No | 2.2.x |
| Cache Upgrade on Head | | | | | | |
| UPGD-PLC-640GB (640GB Cache field upgrade: 4x160GB SSD for base HEAD) | No | No | No | No | EOA | 2.1.x |
| UPGD-PLC-1200GB (1.2TB Cache field upgrade: 4x300GB SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-2400GB (2.4TB Cache field upgrade: 4x600GB SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-3200GB (3.2TB Cache field upgrade: 4x800GB SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-3200GBS (3.2TB Cache field upgrade: 4x800GB SAS SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-6400GB (6.4TB Cache field upgrade: 4x1600GB SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-6400GBS (6.4TB Cache field upgrade: 4x1600GB SAS SSD for base HEAD) | EOA | EOA | EOA | EOA | EOA | 2.1.x |
| UPGD-PLC-1T (960GB Cache field upgrade: 4x240GB SSD for base HEAD) | No | No | No | Yes | Yes | 2.3.8 |
| UPGD-PLC-2T (1.92TB Cache field upgrade: 4x480GB SSD for base HEAD) | No | Yes | Yes | No | No | 2.3.8 |
| UPGD-PLC-4T (3.84TB Cache field upgrade: 4x960GB SSD for base HEAD) | Yes | Yes | Yes | No | No | 2.3.8 |
| UPGD-PLC-8T (7.68TB Cache field upgrade: 4x1920GB SSD for base HEAD) | Yes | Yes | No | No | No | 2.3.8 |
| Controller Upgrades | | | | | | |
| UPGD-CTRL-CS300 (CS2x0/CS215 to CS300; excluding CS210,CS235) (Min HEAD-PLC-480GB req.) | No | No | No | No | EOA | 2.3.x |
| UPGD-CTRL-CS500 (CS2x0, CS4xx, CS235,CS500 to CS500; excluding CS210) (Min HEAD-PLC-1200GB req.) ⁶ | No | No | EOA | EOA | EOA | 2.2.x |
| UPGD-CTRL-CS700 (CS2x0, CS4xx, CS235, CS500, CS500 to CS700; excluding CS210) (Min HEAD-PLC-3200GB req.) ⁶ | No | EOA | EOA | EOA | EOA | 2.2.x |

¹ The Total Max Capacity per node is limited by the architecture and is not to be exceeded, even if it may be possible to build a configuration in the quote that exceeds this limit.

² The total number of Expansion Shelves (ES1 + ES2) supported on each array

³ The total number of All Flash Shelves (ES1-APS + ES2-APS) supported on each array

⁴ Supports max 2x ES1-H30T and 1x ES1-H25/B with Nimble OS 2.3.6

⁵ Upgrades from CS2x0, CS4xx require 2.3

⁷ The CS215 supports up to three (3) ES1 shelves; ES2 shelves not supported

Nimble Storage Validated Configuration Matrix

https://infosight.hpe.com/InfoSight/media/cms/active/public/NimbleOS_Release_Notes_5.2.1.800.pdf

HPE Security Bulletins

https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=emr_na-hpesbst03964en_us

https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=emr_na-hpesbst03991en_us

https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=emr_na-hpesbst03992en_us



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: January 25, 2022
SUBJECT: California Municipal Utilities Association State Legislative Briefing

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

None.

BACKGROUND

In 2019, Mesa Water District (Mesa Water®) became a member of the California Municipal Utilities Association ([CMUA](#)) which now represents over 70 publicly owned water agencies, electric utilities, and gas & oil services statewide.

CMUA advocates for its members' interests on water and energy issues before the California Legislature, Governor's Office, and regulatory bodies, such as the Department of Water Resources, State Water Resources Control Board, California Air Resources Board, California Energy Commission, and California Independent System Operator.

As a member of CMUA, Mesa Water benefits from a wide range of engagement, networking, educational, and information-sharing opportunities; and, Mesa Water staff is an active participant in CMUA's Legislative and Regulatory Committees.

DISCUSSION

CMUA published its 2021 Legislative Session Report last October. As a follow-up to that document, CMUA's Deputy Executive Director, Danielle Blacet-Hyden, will provide a State Legislative Briefing at the January 25, 2022 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$97,685 has been spent to date.

ATTACHMENTS

Attachment A: CMUA 2021 Legislative Session Report



2021 LEGISLATIVE SESSION REPORT



OCTOBER 2021

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CMUA is the leading voice for California utilities, enhancing our communities. CMUA partners with community owned electric utilities and water agencies statewide to support reliable, sustainable, affordable water and energy services through advocacy, education and relationships. Together, CMUA members provide water service to approximately 75 percent of Californians and electric service to 25 percent of the state.

EXECUTIVE SUMMARY & 2021 LEGISLATIVE SESSION OVERVIEW

The Legislature was productive in 2021, despite COVID-19 continuing to define the legislative process. After a rollercoaster of a year in 2020, when the Legislature recessed from its session for more than two months to keep legislators and the public socially distant to protect against COVID-19, the pandemic continued to affect the legislative process throughout the 2021 session. But legislators adapted to the COVID-19 restrictions and pursued a fairly robust legislative agenda.

The year began with Californians living under a tiered system of COVID-19 restrictions. While vaccination rates climbed heading into summer, the more contagious Delta variant began to plague California. Even so, Governor Newsom opened the economy in June 2021 and issued two new executive orders to effectively rescind, wind down or amend most of the orders he previously issued during the COVID-19 pandemic.

The Legislature continued to operate under COVID-19 protocols, even after the Governor opened up the economy in June. Lobbying meetings continued to be held remotely for the most part while the Legislature held committee meetings and floor sessions in person with masks required for members and staff. Lobbyists and advocates were encouraged to provide testimony remotely. Therefore, most legislative business happened through videoconferencing and over phone lines as lobbyists, advocates and staff mostly worked from home. This didn't necessarily deter the Legislature from introducing a full bevy of bills: 2,421 to be exact, which aligns with the activity level of a normal, non-COVID year; of those bills, 770 were signed into law. Comparatively, in 2020 legislators dropped many of their bills and legislative activity was kept to a minimum; only 457 bills were signed into law.

CMUA spearheads effort to secure \$2 billion for customers with water, wastewater, and electric utility debt. Upon learning in February that California would receive billions of dollars in federal relief funds, CMUA began advocating to secure assistance for customers to help address their water, wastewater, and electric utility arrearages. Utilizing an infographic and real-life stories of customers who have been financially impacted by COVID-19, CMUA advocates and allies met with many legislators and their staff to make the case for at least \$1 billion in assistance. CMUA's Legislative Committee was instrumental in developing a fast and efficient distribution structure, and CMUA also spearheaded a coalition of member advocates to help secure the funding and our preferred distribution approach. The ultimate outcome was \$2 billion in assistance (\$1 billion for electric/gas and \$1 billion for water and wastewater) with a distribution structure closely aligned with CMUA's proposal. More about the process begins on page 8.

Record state budget surplus fuels California Comeback Plan and intense budget negotiations. A recovering economy, a surge in state revenues and additional federal recovery funds meant the state enjoyed a surplus of more than \$75 billion in 2021, in stark contrast to the \$54.3 billion budget shortfall estimated just one year ago. Governor Newsom and the Legislature had many ideas for spending the funds and, as a result, the budget process was messier than usual. Most of the action occurred behind the scenes and was negotiated among the "Big Three:" the Governor, Senate pro Tempore, and Assembly Speaker. A total of 66 budget bills — 55 of them budget trailer bills — were passed, roughly three times the normal amount; this flurry of activity was evidence of the budget process's intensity in 2021. More about some of the major water and energy budget items begins on page 9.

CMUA-sponsored bill on rate reduction bonds for POU's is signed into law and Legislature adopts resolution recognizing Public Power Week. CMUA's advocates and bill supporters successfully shepherded **AB 758 (Nazarian)** into law. It allows POU's to issue financial instruments called rate reduction bonds, which generally secure more favorable interest rates than general obligation bonds. Prior to the enactment of AB 758, water and wastewater agencies were the only public agencies able to issue the rate reduction bonds. Many investments are needed for POU's to further reduce greenhouse gas emissions and mitigate wildfires, and rate reduction bonds might prove to be a useful tool for POU's to make those needed investments at lower costs to their customers. The Legislature also adopted **SCR 49 (Hueso)**, which declares the first week of October as Public Power Week. It was jointly sponsored by CMUA, the Northern California Power Agency (NCPA), and the Southern California Public Power Authority (SCPPA).

CMUA co-sponsored water bills fail to advance. CMUA co-sponsored two water-related bills in 2021. **SB 230 (Portantino)**, co-sponsored with Metropolitan Water District, would have established a Constituents of Emerging Concern program at the State Water Resources Control Board. The Board proposed that the program be funded through safe drinking water fees. Metropolitan and CMUA decided to table the bill until more work can be done to address concerns from environmental stakeholders and find a sustainable funding source that does not rely on fees. CMUA and its partners will be revisiting the issue in fall 2021 to determine how to move forward in 2022. In addition, **SB 351 (Caballero)**, co-sponsored by CMUA and the Bay Area Council, would have established the Office of Water Innovation at the California Water Commission. The bill died in Senate Appropriations

Committee. Senator Caballero remains interested in the issue and CMUA is in discussions with her office about future plans for legislation in this area.

Few water bills are introduced in 2021. Legislators did not introduce many water-related bills in 2021, and most of the top vehicles were sidelined early in the session. At the beginning of the year, there were two water/climate resilience bonds in play: **SB 45 (Portantino)** and **AB 1500 (E. Garcia)**. As the state's budget surplus began to materialize, the discussion migrated to funding similar projects through General Fund allocations instead of trying to put a bond on the ballot. Before the end of session, the state had approved over \$800 million in water investments for 2021-2022 and additional funding of \$880 million in 2022-23 and \$500 million in 2023-24. Including \$2.4 billion already approved in the Budget Act, the state's Water Resilience Package totals nearly \$4.65 billion. The state also approved \$369 million for climate resiliency projects, as well as another \$2.09 billion in 2022-23 and \$1.23 billion in 2023-24 — totaling \$3.69 billion over three fiscal years.

More devastating wildfires, a strained electric grid and renewed urgency to fight climate change leads to a strong focus on energy and climate policy in the 2021 session, although major bills did not advance. The 2021 legislative session saw a variety of big energy bills introduced, on topics ranging from net energy metering (NEM) reform, strengthening California's clean energy laws and the state's economywide climate goals, to promoting green hydrogen and laws to promote the development of offshore wind. Many bills didn't cross the finish line, however. Two significant bills

that didn't were **SB 67 (Becker)**, which would have created a 24/7 clean energy standard, and **AB 1395 (Muratsuchi)**, which would have established the California Climate Crisis Act. There likely were a few reasons that legislators were interested in energy policy this year. One was a new class of legislators was elected in 2020, and some of them introduced energy related bills to follow through on campaign promises. The August 2020 rotating power outages and more frequent calls for Flex Alerts also likely were motivating factors for the introduction of energy legislation; there continues to be devastating wildfires across the state, made more severe by dry conditions caused by climate change. Another contributing factor is the steady drumbeat of national and international news that climate change is occurring faster and with more devastating impacts.

Brown and Bagley-Keene Act changes were hot topics in the Legislature. In the wake of COVID-19 and several executive orders from Governor Newsom, multiple bills that would amend the Brown Act and Bagley-Keene Act were introduced in the Legislature. There was not much momentum for these bills, which included proposals to codify in statute the remote meeting options introduced due to the pandemic. A couple of bills did move forward that would allow for remote options during emergencies without an executive order. Interestingly, most of the bills that would have required the Legislature to continue providing its own access to remote meetings were either shelved or those requirements were amended out so that only certain local agencies would need to comply with the proposed revisions.



SUMMARY OF NEW OBLIGATIONS AND PROCEEDINGS

WATER

NEW WATER AGENCY OBLIGATIONS

New rules govern statute of limitations for water and sewer rates. **SB 323 (Caballero)** improves financial stability for public agencies by creating a statute of limitations for legal challenges to water and sewer service rates. Specifically, the bill authorizes a local agency or interested person to bring a validation action in a superior court no later than 120 days after adoption to determine the validity of a fee or charge for water and sewer service.

OTHER NEW PROCEEDINGS AND KEY LAWS

California Water and Wastewater Arrearage Payment Program (CWWAPP) helps water agency customers address unpaid water bills resulting from COVID-19 pandemic. **SB 129 (Skinner)** provides \$985 million to the State Water Resources Control Board to implement the arrearage assistance program, while **AB 148 (Committee on Budget)** sets up the structure for the program.

New laws address PFAS at the source. **AB 652 (Friedman)** and **AB 1200 (Ting)** both address PFAS at the source and will help reduce or eliminate PFAS from entering waterways, which in turn will help water agencies responsible for treating water that contains the chemicals. **AB 652** prohibits, on or after July 1, 2023, a person from selling or distributing in commerce any new products for juveniles that contain regulated PFAS. **AB 1200** prohibits the sale of food packaging that contains PFAS starting on January 1, 2023, and also requires cookware manufacturers starting January 1, 2024, to label their product if it contains an intentionally added chemical on specified lists. Furthermore, **AB 1200** prohibits a cookware manufacturer from making a claim that cookware is free of a chemical, unless no chemical from that chemical class is intentionally added to the cookware.

Wipes in pipes. **AB 818 (Bloom)** establishes labeling requirements for wet wipes packaging so that Californians will know how to properly dispose of these popular consumer products. Some wipes are advertised as “flushable,” which has led to confusion about what products can be flushed down the toilet and which are instead intended for the trashcan. Because many of these wet wipes are made from plastic, they are not compatible with sewer systems and water treatment infrastructure, and they contribute to the infamous “fatbergs” in sewers.

Lots and lots of money for water projects. Using the state’s robust budget surplus, the California Legislature approved billions of dollars for new water-related projects. In addition

to nearly \$1 billion for past-due water and wastewater bills, there is new money for groundwater cleanup, PFAS remediation, water recycling, infrastructure, drought relief and more. CMUA will continue to update members as the programs roll out.

ENERGY

NEW POU OBLIGATIONS

POU integrated resource plans must now include specified transportation electrification information. Per **SB 437 (Wieckowski)**, a POU’s Integrated Resources Plan (IRP) must include, as applicable, details about the POU’s rate design that support transportation electrification across all applicable transportation sectors, along with existing or planned incentives to support transportation electrification. An IRP also must include information about a POU’s education and outreach efforts to inform customers about incentives and decision-making tools, such as cost calculators or cost estimates that predict the cost of paying for electricity that powers an electric vehicle.

New due dates for power content label. **AB 242 (Holden)** streamlines the implementation of Power Source Disclosure (PSD) requirements by establishing October 1 as the online disclosure deadline. The bill further stipulates the deadline for written customer materials is the end of the first complete billing cycle during the fourth quarter of the year.

OTHER NEW PROCEEDINGS & KEY LAWS

Formation of the Office of Energy Infrastructure Safety (OEIS) that will oversee regulated entities. **AB 148 (Committee on Budget)** tasks the new Office of Energy Infrastructure Safety (OEIS) at the California Natural Resources Agency with adopting regulations necessary to carry out the duties previously carried out by the CPUC Wildfire Safety Division. OEIS’s duties are focused on utility wildfire mitigation plans, although the office’s formal authority extends to regulated entities, an ill-defined term. Proceedings at OEIS will therefore need to be tracked closely.

Although the budget authorizes OEIS to oversee regulated entities, it does not change the statute requiring POU’s to submit their wildfire mitigation plans to the Wildfire Safety Advisory Board (PU Code Section 8387), and it does not change the statute requiring the Wildfire Safety Advisory Board to review and comment on POU wildfire mitigation plans (PU Code Section 326.1). In other words, current law will continue to require POU’s to submit their wildfire mitigation plans to the Wildfire Safety Advisory Board, not OEIS.

Strategic planning at the California Energy Commission for offshore wind. **AB 525 (Chiu)** directs the CEC to quantify the maximum feasible capacity of offshore wind to achieve reliability; to assess ratepayer, employment and decarbonization benefits; and to further establish target-megawatt offshore wind planning goals, all by June 1, 2022. The CEC also will develop a strategic plan for offshore wind in California by June 30, 2023. The strategic plan will include an assessment of the transmission investments and upgrades necessary to support offshore wind.

California Arrearage Payment Program (CAPP) will help POU's address unpaid utility bills resulting from COVID-19 pandemic. **SB 129 (Committee on Budget and Fiscal Review)** provides \$993.5 million to the Department of Community Services and Development (CSD) to implement the arrearage assistance program, while **AB 135 (Committee on Budget)** sets up the program structure and creates a separate \$298.5 million funding set-aside for POU's.

New law streamlines local EV charger permitting. **AB 970 (McCarthy)** streamlines the local city and county permit approval process for EV chargers by declaring an application complete and approved after specific timelines lapse, depending on the number of chargers being installed. CMUA worked with the bill author to ensure nothing in the streamlined permitting process impacts a POU's authority and responsibility when providing new electric service to the electric vehicle charging station in a manner consistent with safety, reliability, and engineering requirements.

New strategy on carbon removal at the Air Resources Board. **SB 27 (Skinner)** directs the Natural Resources Agency to establish the Natural and Working Lands Climate Smart Strategy, which will examine issues such as supporting pathways for various sectors to participate in the transition to a carbon neutral economy. ARB will also establish carbon dioxide removal targets for 2030 and beyond, taking into account science-based data, cost-effectiveness, and technological feasibility.

IOUs required to put more focus on PSPS in wildfire mitigation plans and detail workforce diversity for vegetation management. **SB 533 (Stern)** requires an IOU's wildfire mitigation plan to identify circuits that have frequently been deenergized to mitigate the risk of wildfire and the measures an IOU has taken, or plans to take, to reduce the need for, and impact of, future de-energization of those circuits, including the estimated annual decline in circuit de-energization and the de-energization's impact on customers, and replacing, hardening, or undergrounding any portion of the circuit or of upstream transmission or distribution lines. **SB 694 (Bradford)** further requires an IOU to notify the CPUC through an advice letter — outside of the traditional wildfire mitigation plan process — of the IOU's efforts to develop its vegetation management workforce to include members of the California Conservation Corps and other community-based or previously incarcerated individuals.

A new Energy Unit in Governor's Office of Business and Economic Development (GO-Biz) to help accelerate critical infrastructure projects for Load Serving Entities (LSEs). **AB 137 (Committee on Budget)** — part of this year's budget — created the new unit to work with project developers and LSEs on a number of tasks, such as addressing land use issues related to energy projects and identifying barriers to the construction of energy projects needed to meet state climate, energy, and sustainability policy goals. The new unit is not regulatory and does not have a mandate to work with POU's on their energy projects.

New CEC-led process to examine the role of firm zero-carbon resources. **SB 423 (Stern)** tasks the CEC with producing an assessment of firm zero-carbon resources that support a clean, reliable, and resilient electric grid. The assessment, which must be completed by December 31, 2023, will look at a number of matters, such as barriers to the development of firm zero-carbon resources and the reliability of LSE-integrated resource plans under multiday weather extremes and atypical weather events.



WATER-ENERGY NEXUS

NEW OBLIGATIONS

Continued flexibility for remote participation meetings. **AB 361 (R. Rivas)** allows local agencies to meet remotely during a declared state of emergency while maintaining transparency and public access. Late in the 2021 legislative session, state agencies and an urgency clause were added to the bill to ensure a smooth transition before the Governor’s executive order on remote meetings expired on September 30, 2021.

Emailed agenda packets. **SB 274 (Wieckowski)** adds requirements for local agencies that have websites to email a copy of or website link to the agenda — or a copy of all the documents constituting the agenda packet — if a person requests the item or items be delivered by email.




OTHER NEW PROCEEDINGS & KEY LAWS

New ARB process to phase out new small off-road engines. **AB 1346 (Berman)** directs ARB to adopt cost-effective and technologically feasible regulations prohibiting engine exhaust and evaporative emissions from new small off-road engines by January 1, 2024. The goal of the regulation is to target commercial lawn care companies and their use of devices like gas-powered leaf blowers, although there also could be some impact on gas-powered tools that utility vegetation management crews use.

New ARB program supported by CMUA for helping purchase ZEV medium- and heavy-duty fleet vehicles. **SB 372 (Leyva)** creates the Medium- and Heavy-Duty Zero-Emission Vehicle Fleet Purchasing Assistance Program at ARB to make financing tools and nonfinancial support available to operators of medium- and heavy-duty vehicle fleets in the transition to ZEVs. Seventy-five percent of financing products offered must be directed toward fleet operators that impact or operate in underserved communities. Financial and nonfinancial support include interest rate reductions, grants, and performance guarantees. ARB also will create a one-stop webpage where fleet operators can learn about financing and grant options. Finally, ARB will consult with the CEC and CPUC on the use of on-bill tariffs for charging and fueling infrastructure that would allow fleet operators to see fuel cost savings for ZEVs.

Cal Fire directed to focus more on wildfire preparedness and mitigation for improved community wildfire preparedness. **AB 9 (Wood)** creates a new Deputy Director of Community Wildfire Preparedness and Mitigation who is responsible for fire prevention grants, the establishment of high fire severity zones, consultation with the Office of Energy Infrastructure Safety on IOU wildfire mitigation plans, and city general plan safety element review. A new Community Wildfire Mitigation Assistance Program was also created within CalFire to coordinate regional and local efforts with state wildfire mitigation policies.

CMUA ADVOCACY BY THE NUMBERS

|  147 ENERGY BILLS TRACKED |  59 WATER/ENERGY NEXUS BILLS TRACKED |  54 WATER BILLS TRACKED |
|--|--|--|
| <p>1 SPONSORED BY CMUA</p> <ul style="list-style-type: none"> signed into law <p>8 OPPOSED BY CMUA</p> <ul style="list-style-type: none"> 6 made two-year bills 1 vetoed 1 negotiated and signed <p>4 SUPPORTED BY CMUA</p> <ul style="list-style-type: none"> 1 made two-year bill 1 held on appropriations suspense file 2 passed and signed | <p>9 SUPPORTED BY CMUA</p> <ul style="list-style-type: none"> 5 signed by Governor Newsom 2 became two-year bills 2 died on suspense file <p>2 OPPOSED BY CMUA</p> <ul style="list-style-type: none"> 2 vetoed | <p>15 SUPPORTED BY CMUA</p> <ul style="list-style-type: none"> 9 signed by Governor Newsom 6 became two-year bills <p>8 OPPOSED BY CMUA</p> <ul style="list-style-type: none"> 5 became two-year bills 1 died on suspense file 2 moved to neutral <p>2 CMUA CO-SPONSORED BILLS:</p> <ul style="list-style-type: none"> 1 may be reintroduced in 2022 1 died on the suspense file |

SPECIAL REPORT: FUNDING FOR PAST-DUE WATER, WASTEWATER AND ELECTRIC UTILITY BILLS

It became clear in late 2020 that unpaid water, wastewater, and electric utility bills were becoming an increasing challenge for customers and utilities throughout California. The magnitude of the problem was evident in a State Water Resources Control Board survey showing that there was nearly \$1 billion in unpaid water bills. A separate survey of CMUA members found there was at least \$300 million in unpaid bills from customers served by publicly owned electric utilities.

The federal government took action on this issue by adding funding to the Low Income Household Energy Assistance Program (LIHEAP), establishing a new pot of funds for water and wastewater ratepayer assistance, and also providing direct assistance to state and local governments. In January 2021, CMUA submitted a [letter](#) to the Newsom Administration and Legislature offering ideas and recommendations for distributing California's share of these federal funds meant to help water and energy utilities and their customers. In the letter, developed in partnership with CMUA's Low-Income Rate Assistance (LIRA) and Environmental Justice (EJ) workgroups, CMUA urged the state to distribute the funds quickly and efficiently either through LIHEAP or direct grants from the Department of Finance, or through the California Office of Emergency Services (CalOES) in order to ensure all eligible low-income customers and those disproportionately affected by COVID-19 could receive benefits.

However, this federal funding alone was not sufficient, so CMUA staff soon initiated a plan to request at least \$1 billion in funds from the state for water bill and POU electric bill debt. Even with the need exceeding that amount, CMUA staff initially believed that \$1 billion was a stretch goal and we would begin an aggressive advocacy effort to secure the funding.

In February 2021, CMUA brought the issue and our plan to the CMUA's Legislative Committee and Board of Governors

for consideration, and it was unanimously approved by both. CMUA staff also completed an infographic outlining our concerns and then asked our association colleagues to sign on to a coalition letter addressed to the Senate pro Tempore, Assembly Speaker and Governor urging them to take action. A template letter was provided to CMUA members for their use with local legislators. CMUA found an early ally in the Senate and we were grateful that \$1 billion in assistance for water agencies and POU's was included in the Senate's Drought and Ratepayer Assistance Package as part of initial state budget discussions. Then, as part of the May Revise budget, the Governor proposed \$1 billion for water debt and another \$1 billion for debt related to electric and gas bills. These two proposals from the Governor and Senate initiated intense negotiations about how the funding would be distributed. In February 2021, shortly after the Legislative Committee's approval of the plan, the committee worked with CMUA staff and other stakeholders on a distribution structure. So when discussions between the Legislature and Governor's Office began, CMUA was able to take into those discussions a distribution plan that focused on getting the money out the door in a fast, efficient, and equitable manner.

The final distribution structure was included in [AB 148](#) (for water and wastewater) and [AB 135](#) (for electric and gas). The distribution closely aligned with CMUA's proposal, with the notable exceptions that CMUA recommended the Community Services and Development Department (CSD) administer both the electric/gas and water/wastewater programs and that wastewater should be included as a first priority along with drinking water. Ultimately, CSD is administering the electric/gas funds and the State Water Resources Control Board is administering the water/wastewater program. Also, wastewater is a second-tier priority after other water needs are met.



KEY LEGISLATION

CMUA Sponsored Legislation: **SB 230 (Portantino), SB 351 (Caballero)**

In 2021, CMUA co-sponsored two water-related bills. **SB 230 (Portantino)**, co-sponsored with the Metropolitan Water District of Southern California, would have established a Constituents of Emerging Concern (CECs) Program at the State Water Resources Control Board. This program, through the establishment of a Science Advisory Panel, would have identified, evaluated, and prioritized for action CECs in drinking water sources and, if needed, would have proactively filled information gaps. The intent of this legislation and the program was to coordinate efforts more effectively around CECs and provide more certainty to Californians and water agencies. Environmental stakeholders were opposed to the bill, asserting it was duplicative or was an attempt to slow down the regulatory process. In addition, the State Water Board proposed that the program be funded through safe drinking water fees. Due to the fee proposal and concerns from environmental stakeholders, Senator Portantino, Metropolitan and CMUA decided to table the bill until more work can be done to address these issues. CMUA and Metropolitan will be discussing with Senator Portantino how to move forward in 2022.

SB 351 (Caballero) was co-sponsored by CMUA and the Bay Area Council. The legislation would have established the Office of Water Innovation at the California Water Commission. There was broad support for the bill, which was intended to position the state as a partner for advancing innovative approaches in the water sector. It also would have set up a structure where the state could coordinate with a nonprofit organization to help achieve the new office's goals. However, despite no opposition, the bill died in Senate Appropriations Committee.

Water Affordability/Shutoffs: **SB 222 (Dodd), SB 223 (Dodd)**

Water affordability continues to be an important and timely issue in California. In fact, CMUA published Water Affordability Principles in early 2021. In the Legislature, Senator Dodd served in a leadership role in part by introducing SB 222 and SB 223. **SB 222** would have established a Low Income Water Rate Assistance Program. The Department of Community Services and Development would have been tasked with administering the program, which was a request of CMUA and other stakeholders. CSD already administers the Low Income Household Energy

Assistance Program (LIHEAP) and the newly created Low Income Household Water Assistance Program (LIHWAP). The bill did not include a funding source. CMUA and other stakeholders have been urging the federal government to establish a dedicated source of funds to support such a program. CMUA initially had an Oppose Unless Amended position on SB 222, but then moved to a Watch position when the author took CMUA's amendments, including the aforementioned switch to CSD instead of the Water Board as the program administrator. When requested amendments could not be resolved in time, Dodd moved the bill to the inactive file late in the session. Senator Dodd plans to move the bill in 2022.

SB 223 built off the water service shutoff protections in SB 998 (2018). CMUA had an Oppose Unless Amended position on SB 223 for a number of reasons. Fundamentally, because of the implementation timeline in the bill and the COVID-related shutoff moratorium, SB 998 has yet to take effect. In addition, the introduced version of SB 223 included problematic provisions such as debt forgiveness without state support, a permanent shutoff moratorium for multi-family housing, and the waiving of disconnection and reconnection fees. CMUA engaged early with the author's office and sponsors, working with them to try and address concerns. They were willing to continue discussions throughout the process. However, the bill died on the Senate Appropriations suspense file.

Making Conservation a Way of Life Legislation Implementation: **AB 1434 (Friedman), SB 552 (Hertzberg)***

In 2018, Senator Hertzberg and Assemblymember Friedman authored SB 606 and AB 1668, which together became known as the Making Conservation a Way of Life legislation — as these two bills set up a comprehensive new structure for urban and agricultural conservation and water use efficiency. Since that time, there have been bills introduced to resolve conflicts or clean up language, including CMUA-sponsored SB 134 (2019). In 2021, Assemblymember Friedman introduced **AB 1434**, which the author said was intended to implement the recommendations in the Department of Water Resources report on indoor water use. There were early concerns from CMUA and others about the bill because the introduced version included "placeholder" indoor water use standards before DWR's report was completed. Ultimately the bill was held in Assembly Appropriations as a two-year bill. Given DWR's report should be finalized by early 2022, CMUA expects Assemblymember Friedman will amend the bill to include the department's recommendations and move it next year.

* denotes bill signed into law

SB 552 is Senator Hertzberg's bill on small systems drought planning. This bill was a follow-up to SB 971 on the same topic, which CMUA co-sponsored with Community Water Center in 2020 but was sidelined due to COVID. SB 552 establishes a process for small systems of fewer than 3,000 connections to plan for droughts and implement resiliency measures that will help them more successfully adapt to future droughts. CMUA did not co-sponsor SB 552 but was a strong supporter and worked to secure its passage.

Water Quality: AB 377 (R. Rivas), AB 652 (Friedman)*, AB 818 (Bloom)*, AB 1200 (Ting)*, SB 273 (Hertzberg)*, SB 526 (Min)

Water quality issues continue to be an important issue for the Legislature. A number of bills were introduced this year on stormwater, PFAS, wastewater and lead.

Stormwater/NPDES Permits: AB 377 (R. Rivas)

AB 377 (R. Rivas) was sponsored by the California Coastkeeper Alliance and, as introduced, would have fundamentally and negatively altered California's existing water quality programs without providing any solutions that will result in the attainment of water quality objectives. This bill would circumvent the local regulatory authority of the Regional Water Boards and instead legislate the rewriting of existing permitting policies without regard to local conditions, existing agreements, or other priorities of the state. The bill also would have proposed a new prescriptive enforcement program with statutorily defined time limits that eliminate State and Regional Water Board discretionary authority for permitting and enforcement of water quality objectives. The bill was subsequently amended to require the State Water Board and regional boards to evaluate impaired state surface waters and report to the Legislature a plan to bring all water segments into attainment by January 1, 2050. However, several of the provisions were still problematic. CMUA was part of a large coalition opposing the bill, and it was held on the Assembly Appropriations file. CMUA believes the author and sponsor will continue to work on the issue in 2022.

PFAS: AB 652 (Friedman) and AB 1200 (Ting)

Per- and polyfluoroalkyl substances (PFAS) are a group of man-made chemicals that includes PFOA, PFOS, GenX, and many other chemicals. PFAS have been manufactured and used in a variety of industries around the globe, including in the United States since the 1940s. PFOA and PFOS are the most extensively produced and studied of these chemicals. Both chemicals are very persistent in the environment and in the human body — meaning they don't break down and can accumulate over time. There is evidence that exposure to PFAS can lead to adverse human health effects.

AB 652 (Friedman) prohibits, on or after July 1, 2023, a person from selling or distributing in commerce any new juvenile products that contain regulated PFAS. CMUA supported AB

652 because reducing or eliminating PFAS from entering the waterways will help water agencies, which are responsible for treating water that contains the chemicals.

AB 1200 (Friedman) prohibits the sale of food packaging that contains PFAS starting on January 1, 2023. It also requires cookware manufacturers starting January 1, 2024, to label their product if it contains an intentionally added chemical on specified lists. Further, it prohibits a cookware manufacturer from making a claim that cookware is free of a chemical, unless no chemical from that chemical class is intentionally added to the cookware. These provisions would take effect starting on January 1, 2023, for the internet and January 1, 2024, for the cookware package. CMUA also supported AB 1200 because it will reduce the amount of PFAS entering waterways.

Wastewater: AB 818 (Bloom) and SB 273 (Hertzberg)

In 2021, the California Association of Sanitation Agencies (CASA) sponsored or co-sponsored two bills. **AB 818 (Bloom)** establishes labeling requirements for wet wipes packaging so that Californians will know how to properly dispose of these popular consumer products. In recent years, wet wipes designed for various daily household purposes have become widely available but despite voluntary industry labeling guidelines, proper disposal information is inconsistent on wipes product labels. Some wipes are advertised as "flushable," which can lead to confusion about what products can be flushed down the toilet and which are instead intended for the trashcan. Because many of these wet wipes are made from plastic, they are not compatible with sewer systems and infrastructure. CASA has spent several years on this issue and AB 818 was mutually agreed to by the wipes manufacturers and wastewater and product stewardship representatives. CMUA supported AB 818.

SB 273 (Hertzberg) was co-sponsored by CASA and California Coastkeeper Alliance. This bill authorizes any wastewater treatment entity in California to undertake voluntary programs and projects to divert and treat industrial, commercial, and municipal stormwater and dry weather runoff. CMUA supported this bill.

Lead in Drinking Water: SB 526 (Min)

SB 526 (Min), sponsored by Clean Water Action and the Environmental Working Group, addressed lead service line replacements. Both sponsors had concerns about the implementation of SB 427 (Leyva), which requires water systems to replace lead service lines or those of unknown origin. The concern was that partial line replacements could result in lead leeching into customer service lines. The author and sponsors worked with CMUA and the State Water Board on a number of approaches but, given the impending federal Lead and Copper Rule and its implications for California, it was not the appropriate time to bring this type of legislation forward. SB 526 was not heard in its first policy committee and may return in 2022 depending on the status of the federal rule.

* denotes bill signed into law

Statute of Limitations for Water and Sewer Rates: SB 323 (Caballero)*

Sponsored by the Association of California Water Agencies and supported by CMUA, **SB 323 (Caballero)** improves financial stability for public agencies by creating a statute of limitations for legal challenges to water and sewer service rates. Specifically, the bill authorizes a local agency or interested person to bring a validation action in a superior court no later than 120 days after adoption to determine the validity of a fee or charge for water and sewer service.

Infrastructure: SB 559 (Hurtado)

Subject to appropriations by the Legislature, **SB 559 (Hurtado)** would have established the Canal Capacity Conveyance Restoration Fund for making critical repairs to the Friant-Kern Canal, Delta Mendota Canal, San Luis Canal and California Aqueduct. The bill was introduced in part due to the significant impacts of subsidence on these facilities. Within SB 129, the state did allocate \$100 million for conveyance and another \$100 was pledged for 2022-

2023. However, SB 559 was heavily amended coming out of Assembly Appropriations and the author and co-sponsors (State Water Contractors, San Luis & Delta-Mendota Water Authority and Friant Water Authority) decided to move the bill to the inactive file and review opportunities for a path forward in 2022. CMUA supported the bill.

Budget Bills: SB 129 (Skinner), AB 148 (Committee on Budget), SB 170 (Skinner)

The state budget also provided significant funding for water-related projects. Including the \$985 million allocated for water and wastewater arrearages, the drought package provided a total of \$4.65 billion over three years (\$855 million in 2021-2022, \$880 million in 2022-23, and \$500 million in 2023-24) for response to drought conditions and investments in a more resilient water future — with funding for water recycling, sustainable groundwater management, drought relief, conveyance, cleanup of toxic contaminants, restoration of the Salton Sea and Clear Lake, and flood prevention.

* denotes bill signed into law



KEY LEGISLATION

CMUA-Sponsored Legislation: AB 758 (Nazarian)* and SCR 49 (Hueso)

CMUA, its advocates, and bill supporters successfully navigated **AB 758 (Nazarian)** through the legislative process to become law. It enables POU's to use a low-cost financing mechanism for utility projects known as a rate reduction bond. The bill amends a statute that authorized the use of rate reduction bonds for water and wastewater agencies and expands their use to POU's. The bill also extends the sunset date on the authorizing statute another 10 years until December 31, 2036. Per current law, any POU wishing to use rate reduction bonds must have the bond issuance reviewed by the California Pollution Control Financing Authority within the State Treasurer's Office, unless the POU has an internal ratepayer advocate.

Working collaboratively with the Northern California Power Agency (NCPA) and the Southern California Public Power Authority (SCPPA), CMUA also sponsored **SCR 49 (Hueso)**, which declares the first week of October as Public Power Week. A resolution is not binding and neither creates a law nor requires the Governor's signature. Resolutions are the Legislature's means of recognizing important matters that don't require a statute.

Clean Energy: AB 64 (Quirk), AB 525 (Chiu)*, AB 1088 (Mayes), AB 1161 (E. Garcia), SB 18 (Skinner), SB 67 (Becker), SB 423 (Stern)*

Climate change and clean energy continued to be a strong motivating factor for California legislators.

One of the most prominent bills on clean energy in 2021 was **SB 67 (Becker)**, which would have created a 24/7 clean energy standard. The bill proposed to impose the use of a new "clean energy credit" to ensure 100% of all electric loads are clean. The bill would have created new compliance periods for net peak generation to include clean energy generation requirements for specific hours of each day. According to the bill as written, in 2030 the clean energy standard would have been 85% (60% RPS + 25% clean energy) for the whole year and 60% clean energy during a subperiod of evening peak hours. In 2035, utilities would have had to be 90% clean energy by 2035 and 75% clean for the subperiod of evening peak hours. Eventually, all energy would have to be clean by 2045 and there would no longer have been any need for a net peak requirement because all energy, at all times of the day, would have been considered clean. CMUA opposed the bill and it did not receive a hearing. However, it's plausible

the requirements contained within **SB 67** could reemerge in 2022. The bill's author, Senator Becker, is serving in his first term in office and he sits on the Senate Energy, Utilities and Communications Committee and chairs the Subcommittee on the Clean Energy Future.

CMUA — with SCPPA and NCPA — also opposed initial versions of **SB 423 (Stern)**, which sought to promote the deployment of emerging renewable and zero-carbon resources and enhance reliability through enhanced planning, Resource Adequacy requirements, and new authorities for the CEC to undertake measures promoting firm zero-carbon resources. CMUA, working collaboratively with SCPPA and NCPA, worked with the author on amendments to remove concerns about resource adequacy, provisions related to POU integrated resource plans, and to reduce the CEC's authority to adopt procurement measures related to reliability. The chaptered version of the bill directs a CEC-led assessment of firm zero-carbon resources and included language that the CEC-led assessment does not authorize the CEC with new procurement authorities. CMUA moved to a Watch position on the final version of the bill.

Another prominent clean energy bill was **AB 525 (Chiu)**, which promotes the development of offshore wind along California's coast. Specifically, the bill, which was signed into law, directs the CEC to quantify the maximum feasible capacity of offshore wind and to further establish megawatt offshore wind planning goals, all by June 1, 2022. This will be part of a broader CEC-led strategic plan for offshore wind in California, which will include an assessment of the transmission investments and upgrades necessary to support offshore wind. CMUA did not oppose the bill and instead worked alongside SCPPA on language to ensure all transmission costs associated with offshore wind are fully evaluated.

SB 18 (Skinner) was another bill that, like **AB 525**, sought to promote a specific energy resource. The bill would have required the Air Resources Board to develop an evaluation for the use of green hydrogen, including in electrical generation. The bill was held on the Assembly Appropriations Committee suspense file. **AB 64 (Quirk)** sought to promote clean backup generation resources that don't emit greenhouse gases (GHGs). It would have required the CEC, ARB and CPUC to consult with balancing authorities to develop a strategy for achieving at least 5 gigawatt-hours of "operational long-term back up electricity," including long-duration energy storage and more robust combinations of renewable generating resources, by December 31, 2030. CMUA adopted an Oppose Unless Amended position on the bill, which did not pass.

* denotes bill signed into law

A few bills sought to promote clean energy procurement through new centralized procurement mechanisms. **AB 1161 (E. Garcia)**, sponsored by The Utility Reform Network, would have created the Clean Economy and Clean Jobs Stimulus Act of 2021 directing the Department of Water Resources (DWR) to procure energy and storage resources to serve all state agencies by the end of 2030. CMUA opposed the bill, arguing it would disrupt ongoing, long-term resource planning efforts and would create new procurement and reliability coordination challenges, given that many POU serve state agencies. The bill did not receive a hearing. **AB 1088 (Mayes)** was a similar bill that would have established the California Procurement Authority to act as a central procurement authority for load-serving entities — a definition that *did not* include POU. The procurement entity would not only have been authorized to procure Resource Adequacy resources, but also resources satisfying integrated resource planning needs. The bill did not pass.

Clean energy also was considered as part of the state budget process, though ultimately the proposal was not adopted. The Governor pitched the Legislature on a major clean energy budget trailer bill that included California Environmental Quality Act (CEQA) judicial review streamlining for POU transmission upgrades; a new optional CEC permitting process for solar, wind, and storage resources; \$400 million in funding for various clean energy programs such as green hydrogen and long-duration energy storage projects; and pumped-hydro procurement through the Department of Water Resources with a non-bypassable charge on load-serving entity customers, but not POU.

Governor Newsom also took executive action on clean energy. He sent a [letter](#) to CPUC President Marybel Batjer requesting that the agency use a more aggressive GHG target than it previously adopted to inform load-serving entity clean energy procurement. The Governor's letter to the CPUC had no direct impact on POU, but it did inform important policy and political context. The letter signaled the Governor's continued interest in being more aggressive to meet climate goals. Many Democrat legislators share this perspective as well.

Reducing Economywide Emissions: AB 1395 (Muratsuchi), SB 27 (Skinner)*, AB 284 (R. Rivas), SB 582 (Stern)

Legislators also introduced various bills attempting to reduce economywide GHG emissions. Most notable was **AB 1395 (Muratsuchi)**, which would have codified a prior executive order requiring California to achieve carbon neutrality by 2045, among other provisions such as limitations on the use of carbon capture and carbon sequestration. The bill further declared it is the state's policy to reduce human-caused GHG emissions by 90% below 1990 levels by 2045, a new and ambitious goal. AB 1395 fell seven votes short on the Senate floor. It can be reconsidered in 2022. CMUA had a Watch position on the bill.

A related bill was **SB 582 (Stern)**, which passed two Senate policy committees but was ultimately placed on the Senate inactive file. The bill would have enacted the Climate Emergency Mitigation, Safe Restoration, and Just Resiliency Act of 2021. It would have tightened the state's GHG emissions goals. CMUA also had a Watch position on SB 582.

SB 27 (Skinner), which was signed into law, directs the Natural Resources Agency to establish the Natural and Working Lands Climate Smart Strategy, which will examine pathways for various sectors to participate in the transition to a carbon neutral economy. ARB also will establish carbon dioxide removal targets for 2030 and beyond, taking into account science-based data, cost-effectiveness, and technological feasibility. Relatedly, **AB 284 (R. Rivas)** would have directed the Air Resources Board to identify a 2045 climate goal for the state's natural and working lands to sequester carbon and reduce GHGs. AB 284 passed the Assembly, but it was made a two-year bill in the Senate.

The Governor also weighed in on expediting the state's overall climate goals when he sent a letter to California Air Resources Board Chair Liane Randolph requesting the agency use its 2022 scoping plan process that recently began to look at achieving carbon neutrality by 2035 — a full 10 years ahead of California's current 2045 target. The Governor's letter to the Air Resources Board could have an impact on POU: If the scoping plan determines it's feasible to achieve carbon neutrality 10 years earlier, that could inform changes to the state's Cap and Trade program. CMUA is actively engaged in the scoping plan development.

Pole Attachments: AB 537 (Quirk)*, SB 556 (Dodd)

Due to the COVID-19 pandemic and associated public health measures, many people worked from home and a significant number of students conducted their schoolwork online. This raised the profile of internet access as a critical priority, especially after there was news media coverage of two girls in Salinas, California, who went to a Taco Bell parking lot to use Wi-Fi to complete their schoolwork. A flurry of bills on the topics of internet access and the digital divide were introduced. One of those bills was **SB 556 (Dodd)**, which sought to establish 5G pole attachment protocols for utility, streetlight, and traffic signal poles. The bill was eventually narrowed to streetlight and traffic signal poles. SB 556 attempted to set timeframes and fee guidelines for covered pole attachments. CMUA took an Oppose Unless Amended position. Given the overriding concern in the Legislature about equitable internet access for Californians, and because the powerful telecommunications lobby backed the bill, it passed with strong bipartisan support. However, Governor Newsom vetoed it, arguing it would have limited "the ability of local governments and publicly-owned electric utilities to regulate the placement of small cell wireless facilities on public infrastructure and limit the compensation that may be collected for use of these public assets."

* denotes bill signed into law

Another bill was **AB 537 (Quirk)**, which further updates pole attachment laws to better align with Federal Communication Commission (FCC) standards. CMUA had a Watch position on the bill.

Distributed Energy Resources: AB 1139 (Gonzalez), AB 427 (Bauer-Kahan), AB 1325 (Burke), SB 345 (Becker)

As in previous years, the Legislature sought to tackle numerous issues related to distributed energy resources. Most prominent was **AB 1139 (Gonzalez)**, which sought to repeal the existing Net Energy Metering (NEM) statute and replace it with one that would require the IOUs to file advice letters with the CPUC to set up a standard NEM contract with customers. At first, the bill eliminated NEM for POU. AB 1139 was eventually amended with new language to focus only on the IOUs. According to the revised bill, a new NEM tariff at the CPUC would have been triggered if the agency failed to act by February 1, 2022, on the transition to NEM 3.0 for IOUs. The chair of the powerful Assembly Appropriations Committee authored the bill, and it was supported by labor groups. But AB 1139 failed to receive a majority of votes on the Assembly floor, with many Democrats abstaining on the vote and some voting no. The bill faced stiff opposition from the rooftop solar industry and environmental groups; those interests claimed the bill would kill the rooftop solar industry and set California back in its efforts to fight climate change. AB 1139 can be reconsidered in 2022.

To “correct historic disparities in accessing” distributed generation technologies and “to ensure investments are as strategic and beneficial as possible,” **SB 345 (Becker)** would have directed the CPUC to define non-energy benefits — and to determine the values thereof — of distributed energy technologies. Non-energy benefits of distributed energy could include lower energy costs, increased property values and improved public health. The bill was held on the Senate Appropriations Committee suspense file. CMUA took a Watch position on it. Relatedly, **AB 427 (Bauer-Kahan)**, would have established a process for the CPUC to develop rules allowing renewable customer-sited distributed generation and storage to be counted toward Resource Adequacy obligations. It was held on the Assembly Appropriations Committee suspense file. CMUA took a Watch position on the measure.

AB 1325 (Burke) would have required the CPUC to create a Clean Community Microgrid Incentive Program by 2022 to fund local government microgrids in vulnerable communities. The bill would have allowed IOUs to recover costs of the microgrids through a non-bypassable basis on distribution customers, and it would have allowed a microgrid to be used to reduce Resource Adequacy obligations for load-serving entities and POU. The bill did not receive a vote in the Assembly Utilities and Energy Committee; it can be reconsidered in 2022.

Distributed Energy Resources: SB 99 (Dodd)

SB 99 (Dodd) would have directed the CEC to offer a

* denotes bill signed into law

grant program for helping local governments develop community energy resiliency programs. As part of the program’s development, the CEC would have been tasked with developing a process for the expedited permit review of distributed energy resources. Local governments that were to receive grant funding would have had to identify critical circuits and areas most likely to be impacted by planned de-energization events, identify electrical distribution system improvements that can be undertaken by a public utility — including a POU — and identify locations where microgrids could meet local resiliency needs. CMUA had a Watch position on the bill but worked with the author to clarify the bill’s impacts on POU communities. The bill was ultimately held on the Senate Appropriations Committee suspense file.

Transportation Electrification: AB 111 (Boerner Horvath), AB 641 (Holden), SB 437 (Wieckowski)*, SB 551 (Stern), AB 970 (McCarty)*

Two bills focused specifically on POU transportation electrification issues. **AB 641 (Holden)** would have required all POU to develop a transportation electrification plan as well as “ensure and facilitate” the availability of charging infrastructure. CMUA had expressed concern about the word “ensure,” which is synonymous with a guarantee. In response, the bill was amended. Although the amendments did not eliminate the word “ensure,” they did provide important limitations. Intent language was added to clarify that “ensure” did not mean POU have to maintain or fix public EV chargers the POU does not own. It also was clarified that POU need to facilitate and ensure the availability of “at least one” public charging station in their service territory, rather than facilitate and ensure public charging more generally. Despite the successful negotiation, the bill was held on the Senate Appropriations Committee suspense file.

SB 437 (Wieckowski), which was signed into law, is another bill focused on POU. It requires that a POU integrated resource plan (IRP) must include, as applicable, details about the POU’s rate design for supporting transportation electrification across all applicable transportation sectors, along with existing or planned incentives to support transportation electrification. An IRP also must include information about a POU’s education and outreach efforts for informing customers about incentives and decision-making tools, such as cost calculators or cost estimates that predict the cost of paying for electricity that powers an electric vehicle. The author argued that current POU IRPs do not comprehensively address transportation electrification. CMUA had a Watch position on the bill and coordinated with NCPA and SCPPA on amendments to ensure appropriate flexibility and local control.

SB 551 (Stern) would have created the California Zero-Emission Vehicle (ZEV) Authority within the Governor’s Office of Business and Economic Development (GO-Biz). The ZEV Authority would have been tasked with coordinating the state’s approach to the deployment of ZEVs and associated

infrastructure. The bill was amended to address CMUA's concern the new ZEV Authority would have too much authority over utility interconnection issues and over ZEV funding sources, including the Low Carbon Fuel Standard (LCFS). As a result of amendments taken on CMUA's behalf, CMUA took a Favor position on the bill, which later was held on the Assembly Appropriations Committee suspense file.

AB 111 (Boerner-Horvath) would have directed the CEC to develop model rate structures that POU's can utilize to promote customer adoption of zero-emission vehicles, freight equipment, and for the production of hydrogen by electrolysis using electricity from renewable sources. The model rates would have prohibited peak load and demand charges for medium- and heavy-duty vehicles and those that provide an equal or lower cost of fueling relative to statewide commercial average electric rates. The bill did not move forward in 2021, but it can be reconsidered in 2022.

AB 970 (McCarty), which was signed into law, streamlines the city and county permit approval process for electric vehicle chargers by declaring an application complete and approved after certain timelines lapse, depending on the number of chargers being installed. CMUA worked with the author to ensure nothing in the streamlined permitting process impacts a POU's authority and responsibility in providing new electric service to the electric vehicle charging station in a manner consistent with safety, reliability, and engineering requirements.

Building Decarbonization: SB 31 (Cortese), SB 68 (Becker)*, Assembly Hearing on Building Decarbonization

SB 31 (Cortese), which was held on the Senate Appropriations Committee suspense file, would have directed the CEC to develop new programs promoting existing and new building decarbonization. It also would have stipulated that POU public benefit funds could be used for existing and new building decarbonization if the entity implementing the project and its subcontractors at every tier will pay prevailing wage. CMUA raised concerns about this because a POU typically is not in a position to determine prevailing wage when issuing Public Benefits Charge rebates to customers.

SB 68 (Becker), which was signed into law, directs the CEC to publish guidance for overcoming barriers to building electrification. Specifically, the guidance will provide best practices to help building owners, the construction industry, and local governments on a variety of topics, such as the availability of electrical equipment to replace common fossil-fuel powered equipment, approaches to fit electrical replacements and vehicle-charging equipment within existing building electrical service capacity, and technologies for all noncoincidental sharing of electrical circuits.

The Assembly Utilities and Energy Committee held an informational hearing exploring the issues around decarbonizing existing buildings. There are many policies aimed at reducing carbon emissions from buildings — for

example, mandates for all-electric appliances — that have been forward-looking, meaning they apply only to new construction. The hearing, called Beyond New Construction: Decarbonizing California's Existing Building Stock, focused on how to reduce emissions in the existing building stock, which are the significant source of emissions within the building sector, according to the [committee background paper](#).

Utility Wildfire Issues: AB 21 (Bauer-Kahan), AB 433 (Chen), AB 529 (Bauer-Kahan), AB 853 (Stone), SB 99 (Dodd), SB 396 (Dahle), SB 533 (Stern)*

With wildfires continuing to be a front-and-center problem in California, many legislators introduced bills with the intent of further resolving issues related to wildfires that are sparked by utility equipment.

AB 433 (Chen) would have created the California Wildfire Mitigation Financial Assistance Fund and would have required POU's — as well as the IOUs — to include a line item on customer bills enabling electric customers to make voluntary contributions to the fund. According to the bill, the funds would have been used for "financial assistance for structure hardening, defensible space, vegetation management, or fuel reduction." CMUA opposed the bill, which did not move forward in 2021. **AB 529 (Bauer-Kahan)** would have required all electric utilities conducting wildfire prevention and mitigation work in high fire-threat areas to notify the local fire protection district at least 48 hours before the work begins. The bill did not move forward, but it can be reconsidered in 2022. **AB 21 (Bauer-Kahan)** would have allowed the state Attorney General and county district attorneys to bring civil action against utilities — after being offered a reasonable opportunity to cure — that violate vegetation management standards in the State Responsibility Area. Although the bill would have applied broadly to all utilities, the bill's clear focus was to act as a deterrent mechanism against PG&E. It was approved by the Assembly Natural Resources Committee but stalled in the Assembly Judiciary Committee. CMUA took a Watch position on the bill. It can be reconsidered in 2022.

AB 853 (Stone) was introduced in response to concerns about PG&E vegetation management work in the Santa Cruz area. It would have required utility companies — an undefined term — to provide a 21-day notice to landowners before vegetation management activities are conducted in state and local responsibility areas. The bill would have provided a window of time for landowners to object to a utility company performing the work. The bill did not move forward in 2021.

Relatedly, **AB 448 (Mayes)** was sponsored by PG&E to remove certain liability protections for property owners in exchange for new obligations on utilities with respect to removing trees. Specifically, the bill would have stipulated that the removal of certain trees by a utility must be done using a tree evaluation tool or method developed by a certified arborist and that any cut trees would remain the property of the landowner unless the landowner requests the trees to be removed. It was passed by the Assembly Utilities

* denotes bill signed into law

and Energy Committee but stalled in the Assembly Natural Resources Committee.

PG&E subsequently introduced **SB 396 (Dahle)**, a very similar bill as AB 448. CMUA opposed the legislation, which passed the Assembly Natural Resources Committee but later was made a two-year bill by the author at the Governor's request. CMUA's main concerns centered around the new costs that would have been imposed on POUs and their customers and that the bill required use of new state-developed, standardized customer communication materials when notifying certain landowners about the POU's need to traverse their land.

SB 533 (Stern), which was signed into law, requires that an electrical corporation's wildfire mitigation plan identify circuits that have frequently been deenergized to mitigate the risk of wildfire and the measures the electrical corporation has taken, or plans to take, to reduce the need for, and impact of, future de-energization of those circuits, including the estimated annual decline in circuit de-energization and the de-energization's impact on customers, and replacing, hardening, or undergrounding any portion of the circuit or of upstream transmission or distribution lines. CMUA had a Watch position on it.

In addition to the abovementioned utility-focused wildfire legislation, the Assembly Utilities and Energy Committee held an oversight hearing on IOU use of public safety power shutoffs (PSPS). During the **hearing's** opening remarks, committee chair Assemblymember Chris Holden said that although there were improvements to PG&E's use of public safety power shutoffs in 2020 compared to 2019, he was alarmed to hear that Southern California Edison (SCE) doubled its use of PSPS in 2020 and failed to appropriately communicate to customers about the events even though SCE repeatedly assured CPUC leadership it would do so. Holden, who said PSPS events should be measures of last resort, said this raises questions about whether the CPUC has the appropriate tools to enforce PSPS rules. In addition to the assertion SCE has problems with its PSPS implementation, the committee hearing focused on customer communication problems, the need to limit the scope of PSPS events, and the need for the IOUs to better harden their grids to avoid the need to use PSPS.

Miscellaneous: AB 242 (Holden)*, SCR 51 (Pan), AB 847 (Quirk), SB 677 (Hueso), AB 1270 (L. Rivas), SB 757 (Limon)*

AB 242 (Holden) streamlines the implementation of Power Source Disclosure (PSD) requirements by establishing October 1 as the online disclosure deadline and sets the deadline for written customer materials to be the end of the first complete billing cycle in the year's fourth quarter. CMUA supported the bill, which was signed into law.

SCR 51 (Pan) "recognizes SMUD for setting the most ambitious carbon reduction goal of any large utility in the country and

applauds SMUD's commitment to finding innovative ways to reach its zero-carbon emissions goal without impacting reliability or rates, which are among the lowest in California." In April, SMUD's Board adopted a **2030 Zero Carbon Plan** that will provide the utility's power from renewable resources, including new solar, local batteries, more wind, geothermal and customer-sited resources. CMUA adopted a Favor position on the resolution, which passed unanimously.

AB 1270 (L. Rivas) would have required the owner or operator of a natural gas power plant with a generating capacity of more than 50 megawatts to develop, install, operate, and maintain a fence-line monitoring system in accordance with local air district guidance. If the system recorded methane levels exceeding background levels, it would have to be reported to the air district. The bill author represents a portion of the San Fernando Valley where a natural gas power plant experienced a methane leak. CMUA expressed concerns to the author. The bill was not set for a hearing but could be considered in 2022.

SB 677 (Hueso) would have required the IOUs to implement a plan to "address climate change-related impacts to its respective electric plant, including prioritizing the replacement of equipment identified as most vulnerable to extreme heat events and other extreme weather events due to climate change." IOUs would have had to identify the circuits and equipment most at-risk from extreme weather events. The bill did not apply to POUs. The bill was not set for a hearing, but it could be considered in 2022.

AB 847 (Quirk) would have directed the new Office of Energy Infrastructure Safety to develop regulations governing the sale of Mylar balloons to ensure those sold after September 1, 2024, use non-conductive material. SDG&E sponsored the bill. CMUA adopted a Favor If Amended position and sought amendments to ensure the bill would not erode local policies on Mylar balloons. The bill was placed on the Assembly inactive file and can be considered in 2022.

SB 757 (Limon), which was signed into law, makes door-to-door salespeople of rooftop solar subject to the state's existing consumer laws governing home improvement salespersons, and ensures rooftop solar salespeople are registered with the state and subject to certain consumer protections. For example, contracts must be in writing and easy to understand, there must be certain contract cancellation rights, down payment security, and more.

Energy Budget Items: SB 129 (Committee on Budget and Fiscal Review), SB 155 (Committee on Budget and Fiscal Review), AB 135 (Committee on Budget), AB 137 (Committee on Budget) and AB 148 (Committee on Budget)

The state budget process resulted in historic investments in many areas as the result of California's unexpected \$75 billion surplus. The final budget included several key energy items:

* denotes bill signed into law

- The California Arrearage Payment Program (CAPP) administered by the Department of Community Services and Development to provide residential and commercial bill assistance to customers impacted by COVID-19. The program allocates \$298.5 million for POU customers.
- Transfer of the CPUC Wildfire Safety Division to the new Office of Energy Infrastructure Safety (OEIS) within the California Natural Resources Agency. OEIS will oversee the wildfire mitigation activities of “regulated entities,” an undefined term. CMUA pushed for more precise terminology to make it clear OEIS would only oversee electrical corporations, but the language did not make it into the budget. CMUA will monitor implementation and continue to engage with the Governor’s Office and OEIS on this matter.
- Record funding for zero emission vehicles totaling \$3.9 billion over three years. This includes \$500 million for zero emission vehicle (ZEV) infrastructure grants through the CEC and \$525 million for the Clean Vehicle Rebate Project (CVRP).
- \$2.8 million in funding for the Wildfire Forecast and Threat Intelligence Center, which will be used to help end-users — including POUs — keep tabs on wildfire-related weather and conditions.
- \$20 million to the CEC for supporting local online solar permitting programs.
- \$13.7 million to CPUC for supporting SB 100 interagency planning efforts.
- \$10 million to CPUC for a Flex Alert campaign.
- \$5 million for a new Solar Energy System Restitution Program within the California State Contractors License Board to help consumers who have experienced financial harm from a rooftop solar company for a system installed on or after January 1, 2016. Consumers are eligible to receive restitution of up to \$40,000.
- A new Energy Unit within the Governor’s Office of Business and Economic Development (GO-Biz) to focus on helping advance clean energy projects. Specifically, the new unit is tasked with working with load-serving entities and project developers to identify barriers to critical infrastructure projects. The unit is not regulatory and does not have a mandate to assist with POU projects.
- A new program called the Building Initiative for Low-Emissions Development Program Phase 2 within the CEC to provide incentives for constructing new multifamily and single-family market rate all-electric buildings with energy storage systems. The program will be funded with IOU ratepayer funds.
- \$31 million for the Climate Catalyst Fund to be used for financing projects that include: clean energy production not including combustion biomass, forestry equipment needed to achieve state forest and vegetation

management treatment goals, and projects such as microgrids or energy storage related to agricultural improvements that lessen the impacts of climate change in the sector.

- A Community Resilience Centers grant program through the Strategic Growth Council for mitigating the impacts of extreme heat and other emergencies exacerbated by climate change, such as wildfires, power outages or flooding.
- A \$600 million Community Economic Resilience Fund Program at the Economic Development Department “to build an equitable and sustainable economic recovery from the impacts of COVID-19 on California’s industries, workers, and communities, and to provide for the durability of that recovery by fostering long-term economic resilience in the overall transition to a carbon-neutral economy.” As the state moves toward carbon neutrality, the program is intended to help support workers who are employed in the fossil fuel industry.

There are three matters worth noting proposed as part of the state budget that did not pass:

- The Legislature rejected the Governor’s proposal that would have expanded an electric utility customer surcharge to support CEC operations. The Governor wanted to increase a utility surcharge from \$.0003/KWh to \$.00055/KWh to fund CEC activities and to also extend the surcharge to customers with solar generating systems and customers with self-generating power plants. The Legislature rejected the proposal.
- The Legislature also did not agree to the Governor’s energy budget trailer bill and \$735 million in clean energy funding. The Governor’s Office originally proposed spending \$735 million on clean energy projects, but the Legislature initially only authorized \$400 million. The Governor’s Office then outlined a trailer bill to allocate the funds for green hydrogen and long duration energy storage projects, among other project areas. The trailer bill also would have provided expedited judicial review for specific POU transmission projects; would have mandated procurement of 2,000 MW of pumped hydropower storage by load-serving entities; would have created a new CEC solar, wind and energy storage permitting process; and would have extended an IOU fuel cell Net Energy Metering program. The \$400 million in clean energy funding eventually was rescinded and the Governor’s energy trailer bill never came to fruition, but the NEM fuel cell extension was included in the final budget.

Oversight of Summer Reliability Issues: Senate and Assembly Energy Committees Hold Oversight Hearings and Gubernatorial Action

The Senate Energy, Utilities and Communications Committee and the Assembly Utilities and Energy Committee both held oversight hearings in an attempt to ensure the state’s key energy agencies and stakeholders are taking appropriate action

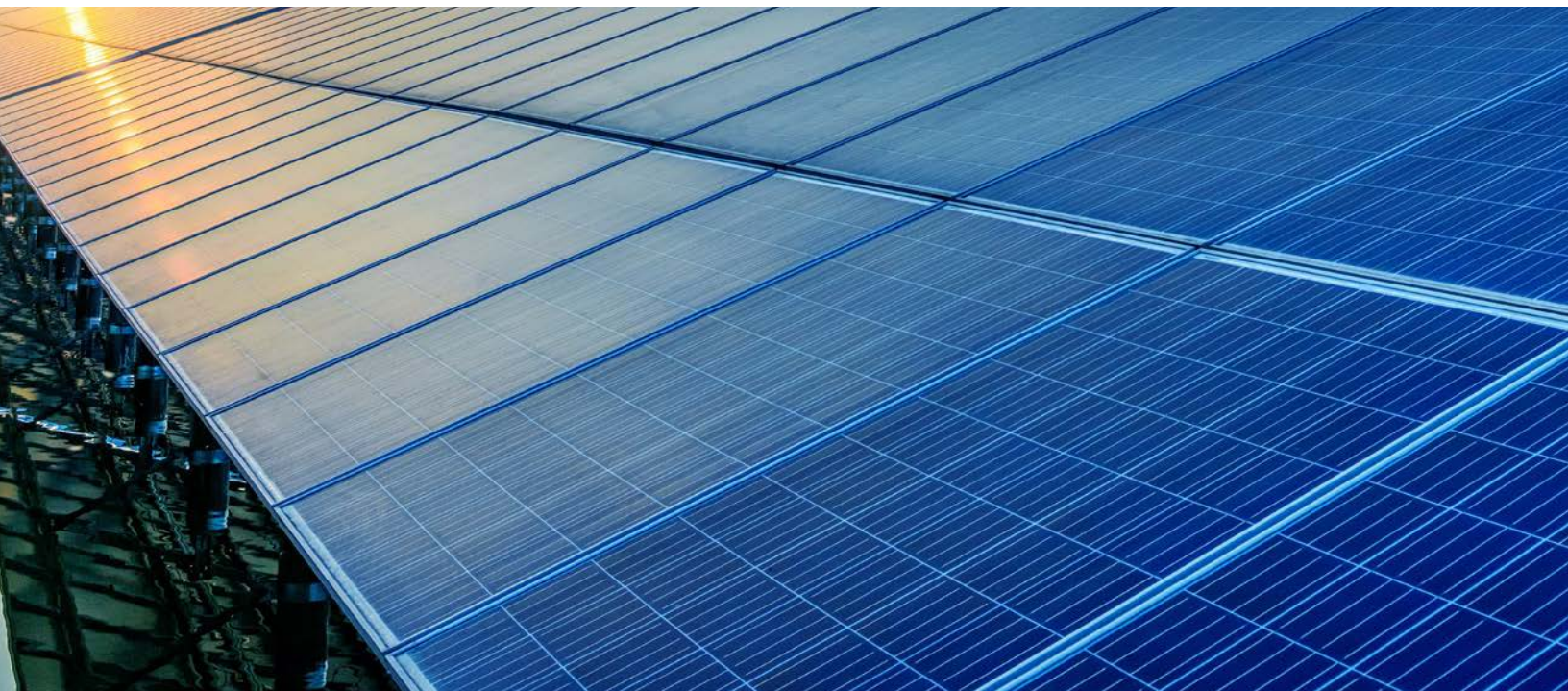
following the rolling outages in August 2020 that resulted from a Western heatwave and inadequate energy supply. Both committees heard from CPUC President Marybel Batjer, CAISO President CEO Elliot Mainzer and CEC Chair David Hochschild.

In the two hearings, the three energy agency leaders made the case their organizations were better prepared for summer 2021 than in 2020. For example, the CPUC said it had ordered the IOUs to increase their planning reserve margin and to pilot an emergency load reduction program; in total, there were said to be 3,000 megawatts of new resources online for summer 2021. The CEC has extended its demand forecast beyond 10 years to 15 years and is accounting for different weather patterns; the CEC also is working on approving power plant efficiency upgrades that will result in 122 more megawatts of supply. CAISO said it has improved its market rules and communication protocols with market participants (notices about weather events may be provided up to seven days in advance).

In public comment during the Assembly hearing, CMUA Executive Director Barry Moline outlined how the POUs assisted the CAISO grid in August 2020 and how the POUs have worked since then to further enhance their summer preparedness. Tony Zimmer, assistant general manager from Northern California Power Agency, also highlighted POU efforts to increase generation and capacity, properly maintain generation facilities and harden against the threat of wildfires, and the high levels of coordination with grid operators that have been put in place.

The Governor also issued an **emergency proclamation** related to the energy shortage. Overall, the proclamation established emergency energy programs and streamlined environmental permitting to enhance grid reliability. Notably, the state Department of Finance was directed to develop a program for providing incentives to large energy users that would reduce demand during an extreme heat event. Both IOUs and POUs could administer the programs and recover administrative costs. The proclamation also loosened stationary and portable generator rules for grid events/emergencies for the rest of the 2021 summer and early fall and suspended state environmental laws to enable installation of new emergency generating capacity of 10 megawatts or more. The California Environmental Quality Act (CEQA) also could be suspended for certain battery storage systems of 20 megawatts or more as determined by the CEC. It is likely the newly approved fossil fuel backup generation temporarily puts the state off-track in meeting its ambitious clean energy goals.

As a counterbalance and in conjunction with the emergency proclamation, Governor Newsom issued a new document outlining his “Approach to the Electricity System of the Future,” which does not create new energy policy, but instead summarizes actions taken to date and future planned actions to achieve a 100% clean grid. Specifically, Governor Newsom’s **new plan** (and the **more expansive version**) on the electricity system of the future prioritizes a 100% clean electric system that is 1) equitable and inclusive, 2) clean, safe, reliable and resilient, and 3) affordable. The plan says that finding a replacement fuel for natural gas will be the greatest challenge for a 100% clean electric grid.



CMUA advocates for priority access to COVID-19 vaccines as CMUA Vaccine Working Group helps members navigate changing state rules on vaccine prioritization. Amid a somewhat confusing and ever-shifting COVID vaccine distribution process, the working group met weekly to share updates and foster discussion among CMUA members about how to handle vaccination of employees. The state initially formed a tiered process for vaccine distribution with healthcare workers at the top of the list, followed by people over 65 years of age, educators and childcare workers, emergency services, food and agriculture workers, transportation workers and those living in congregate living areas. Given the essential nature of their work, CMUA advocated to put certain utility workers near the top of the vaccine eligibility list, but throughout the first part of 2021 the state continually put those utility workers in Phase 1-C of the pecking order, just before the general population was eligible to receive it. Then, in mid-March 2021 the state reversed course and updated its vaccine allocation guidelines to include utility personal in the definition of emergency services personnel, bumping them up higher on the priority list.

KEY LEGISLATION

Brown Act Bills: AB 339 (Lee), AB 361 (R. Rivas)*, AB 703 (B. Rubio), SB 274 (Wieckowski)*

In 2021, due in large part to the COVID-19 pandemic, the Legislature was very interested in bills addressing various aspects of the Brown Act.

AB 339 (Lee), sponsored by the Leadership Counsel for Justice and Accountability, would have dramatically increased remote meeting and language access requirements for local agencies, state agencies and the state Legislature. Interestingly, the bill was not referred to a policy committee until the requirements for the state were removed. CMUA initially had an Oppose Unless Amended position on the introduced version of the bill, but CMUA staff worked with the sponsor, author, and committee staff on amendments. Coming out of the Local Government Committee, the bill was significantly narrowed and CMUA moved to a Watch position. Governor Newsom vetoed AB 339 and said the bill might have unintended consequences.

AB 361 (R. Rivas) will allow local agencies to meet remotely during a declared state of emergency while maintaining transparency and public access. Late in the legislative session, state agencies and an urgency clause were added to the bill to ensure a smooth transition when the Governor's executive order on remote meetings expires on September 30, 2021.

* denotes bill signed into law

AB 703 (B. Rubio), which did not pass, was a broader attempt by Three Valleys Municipal Water District to modernize existing law to ensure greater public participation in meetings of the legislative bodies of local agencies that choose to utilize teleconferencing.

SB 274 (Wieckowski) adds requirements for local agencies with websites to email a copy of, or website link to, the agenda or a copy of all the documents constituting the agenda packet if a person requests the item or items be delivered by email.

Excavation and Digging: SB 297 (Durazo)*, AB 930 (Levine)*, SB 378 (Gonzalez)*

AB 930 (Levine) requires a court or arbitrator to award reasonable attorney's costs and fees, including expert witness fees, to an excavator if the court or arbitrator determines the excavator is not liable for damages to a subsurface installation for reasons related to inaccurate field marking. CMUA watched the bill, which passed.

SB 297 (Durazo) enacts the Wade Kilpatrick Gas Safety and Workforce Adequacy Act of 2021. The bill prescribes a civil penalty of up to \$100,000 to be imposed on an operator or excavator who knowingly and willfully violates provisions relating to excavations and subsurface installations and damages a gas or hazardous liquid pipeline subsurface installation. CMUA watched the bill, which passed.

SB 378 (Gonzalez), which promotes the use of microtrenching, was amended at the request of CMUA to ensure the microtrenching provisions in the bill do not impact compliance with key safety laws, like the Call Before You Dig Law and CPUC General Order 128. CMUA adopted a Watch position on the bill, which passed.

ZEV Fleets: AB 1110 (R. Rivas), SB 372 (Leyva)*, and SB 542 (Limon)

As part of the Legislature's mission to reduce greenhouse gas emissions, numerous authors introduced bills aimed at greening vehicle fleets. **SB 372 (Leyva)**, which became law, establishes the Medium- and Heavy-Duty Zero-Emission Vehicle Fleet Purchasing Assistance Program at the Air Resources Board to make financing tools and nonfinancial support available to operators of medium- and heavy-duty vehicle fleets in the transition to ZEVs. Seventy-five percent of financing products offered must be directed toward fleet operators that impact or operate in underserved communities. Financial and nonfinancial support includes interest rate reductions, grants, and performance guarantees. The Air

Resources Board also will create a one-stop webpage where fleet operators can learn about financing and grant options. Finally, ARB will consult with the CEC and CPUC on the use of on-bill tariffs for charging and fueling infrastructure that would allow fleet operators to see fuel cost savings for ZEVs.

AB 1110 (R. Rivas), a related bill that CMUA supported, would have established the California Clean Fleet Accelerator Program. The bill was made a two-year bill.

SB 542 (Limon), which was made a two-year bill, would have created an important five-year state sales tax incentive to help reduce the cost of purchasing zero emission medium- and heavy-duty vehicles. CMUA supported the bill, which can be reconsidered in 2022.

Climate Resiliency Bonds: SB 45 (Portantino), AB 1500 (E. Garcia)

There has been a multi-year effort to pass a climate resiliency bond, and in 2021 the bond vehicles were **SB 45** by Senator Portantino and **AB 1500** by Assemblymember Eduardo Garcia. However, this year the focus shifted somewhat to water, too. **AB 1500** was called the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022; it would have been a \$7.080 billion bond measure. **SB 45** was called the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2022 and would have put a \$5.595 billion bond in front of the voters. Many of the categories were similar or exactly the same in the two bills. Once it was determined the state had a robust budget surplus, the conversation moved to spending those one-time dollars on water and climate resiliency projects rather than issuing bonds. Neither bill passed in 2021 and it is not yet known whether one or both will move forward in 2022.

** denotes bill signed into law*

Miscellaneous: AB 1021 (Mayes), SB 55 (Stern)

AB 1021 (Mayes), the third bill on the topic in as many years, focuses on a local disagreement about Imperial Irrigation District (IID) providing electrical service to residents in the Coachella Valley, which is outside its service territory boundary. The bill would have required a LAFCO study of alternative governance structure, plus other changes. CMUA had a Not Favor position on the bill, which passed the Legislature, but was vetoed by Governor Newsom.

SB 55 (Stern) would have prohibited all new development — including essential utility infrastructure — in certain high fire-threat areas. CMUA engaged with the author's office to communicate that the bill could have a deleterious effect on meeting state climate and environmental goals because essential utility infrastructure might be needed in high fire-threat areas. The bill did not pass, but it could be reconsidered in 2022.

Budget Bills: SB 129 (Skinner)*, SB 155 (Committee on Budget)* and SB 170 (Skinner)*

The final budget included a Climate Resilience Package with nearly \$3.69 billion over three years to make needed climate resiliency investments. This is about \$2.5 billion more than what was proposed in the Governor's May Revision budget. A \$369 million down payment during the 2021-2022 fiscal year provides funding to help plan for regional adaptation investments, plant trees to reduce extreme heat, and improve air quality, and build healthy and sustainable communities with the Transformative Climate Communities program. Future investments will respond to extreme heat, build community resource centers, address sea level rise, and help reach California's commitment to conserve at least 30% of California's land and coastal waters by 2030.





*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Phil Lauri, P.E., Assistant General Manager
DATE: January 25, 2022
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 regarding the CIPR quarterly update.

At its September 28, 2021 Committee meeting, the Board received a presentation regarding the CIPR quarterly update.

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 (FY) 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 mechanical piping, chemical structure coating, well concrete pedestals, electrical ductbanks, and electrical building foundations at both the Chandler and Croddy sites.
- **Pipeline Construction:** A contract was awarded for the pipeline construction in April 2021. The contractor is currently installing 500 feet of 18-inch storm drain piping. Due to the current five month lead time for Ductile Iron Pipe, the pipeline project is approximately two months behind schedule. Construction of the 30-inch pipeline (Croddy Well to Mesa Water Distribution System) is scheduled to start at the end of January 2022. The 16-inch pipeline (Croddy to Chandler) is scheduled to start in late February 2022. Extended working hours have been approved to help recover schedule slippage.



Figure 1. Concrete Well Pedestal Installation



Figure 2. Electrical Ductbank Installation



Figure 3. Chemical Structure Coating



Figure 4. Underground Mechanical Piping



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 Reservoirs, 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.

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. Pipeline surge protection system.
4. Upgrades to the reservoir electrical service through SCE.
5. Installation of back-up diesel generator systems to power the reservoirs in the event of an emergency.
6. Miscellaneous system rehabilitation and upgrades including electrical gear replacement, pipeline rehabilitation, pipeline modifications, and instrumentation.
7. Slurry Dewatering Pit upgrades located at the Reservoir 1 site.

Status

The project's Preliminary and Final Design kicked off in May 2021. The design team submitted the 60% Design Submittal on December 1, 2021. The project team is currently working towards the 90% Design Submittal.

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 provided to the selected contractor in August 2021. The contractor has completed the installation of 4,600 feet of 12-inch PVC pipe. The remaining work includes pressure testing, chlorination, and final tie-ins to the distribution system.



Figure 10. Wilson Street Pipeline Replacement Project Pipeline Installation

Schedule

The work is scheduled to be completed in April 2022. The project is ahead of schedule. The baseline and current schedule for the project is shown in Figure 11.

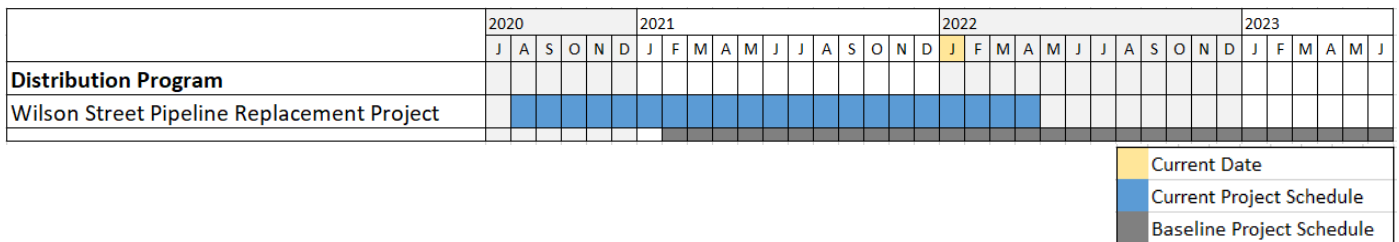


Figure 11. Wilson Street Pipeline Replacement Project Schedule

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.

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 began in October 2021. The project was executed on an accelerated schedule to help the City of Huntington Beach manage their water supply. Mesa Water and the City of Huntington Beach jointly own the OC-44. The repairs required the OC-44 pipeline to be out of service for a period of four weeks. For the City of Huntington Beach to avoid having two main imported water connections down at the same time, they requested that Mesa Water return the OC-44 pipeline to service by December 6, 2021. This was the scheduled date for the I-405 construction project to start work on OC-9, another of the City of Huntington Beach’s imported water connections. The accelerated construction project returned the OC-44 pipeline to service by December 8, 2021.



Figure 14. Vault Rehabilitation and Abandonment Project Bonita Creek Vault Installation

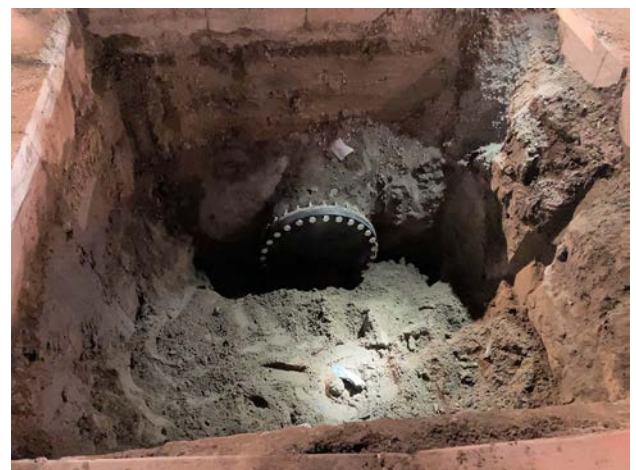


Figure 15. Vault Rehabilitation and Abandonment Project Santa Ana/Del Mar Vault Abandonment

Schedule

The project is currently abandoning three pressure reducing valves that are no longer used. The project is scheduled to be completed in February 2022. The project is four months behind its baseline schedule. The baseline and current schedule for the project is shown in Figure 16.

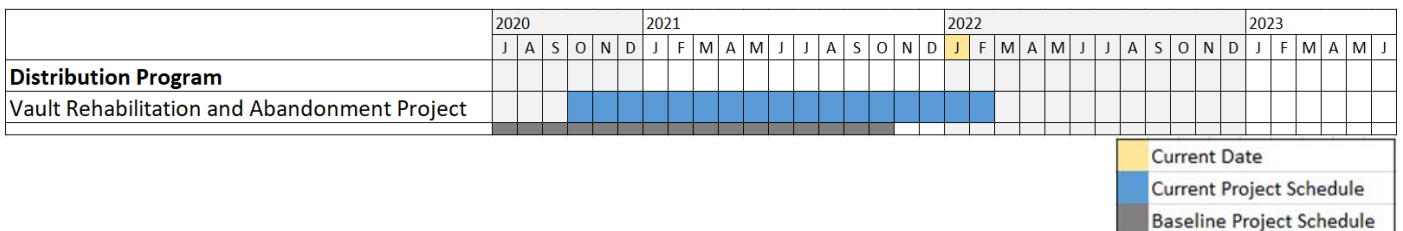


Figure 16. Vault Rehabilitation and Abandonment Project Schedule

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.

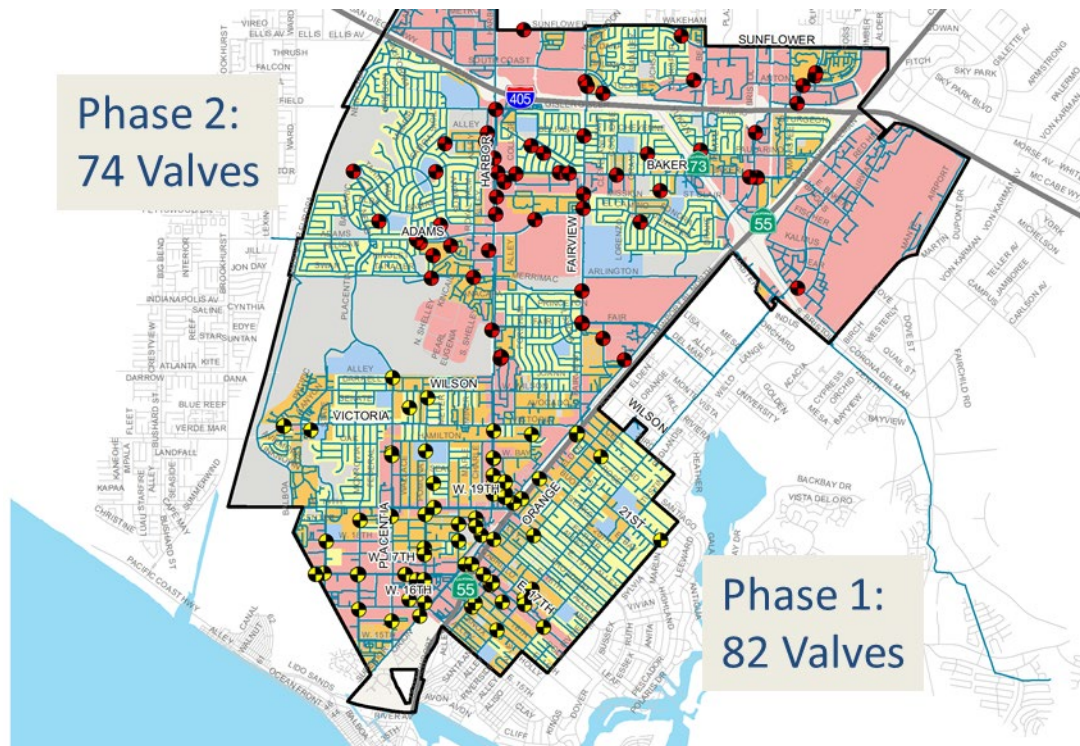


Figure 17. Phase 1 and 2 Valve Replacement Map

Schedule

Phase 1 of the project is currently out to bid with construction bids due in February 2022. The construction is scheduled to begin in April 2022 and to last eight months. The design team submitted the Phase 2 90% Design Submittal in January 2022 and bid documents are scheduled for completion in March 2022. The project is six months behind its baseline schedule. The baseline and current schedule for the project is shown in Figure 18.



January 2023. The project is on schedule. The baseline and current schedule for the project is shown in Figure 20.

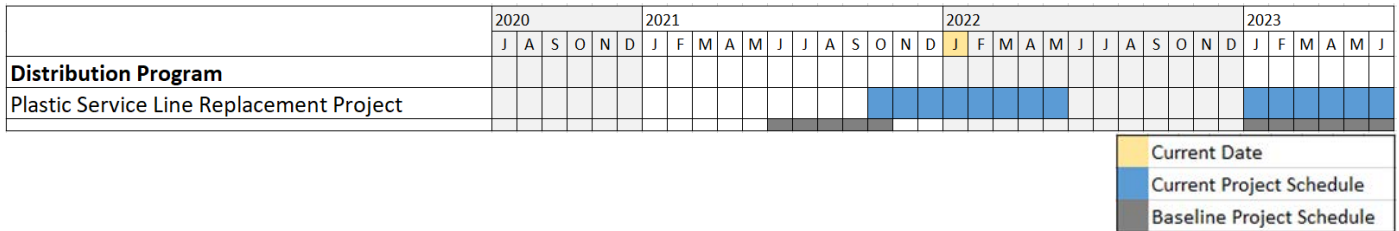


Figure 20. Plastic Service Line Replacement Project Schedule

Budget

For the CIPR, \$8,500,000 is budgeted for the Distribution Program; \$2,700,000 has been spent to date.

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 21. 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 Building Design in August 2021 and a Request for Bids was solicited from qualified contractors in September 2021. Bids for the construction project were received on October 15, 2021 and construction started in December 2021. The Administration Building is currently being prepared for demolition with the building demolition scheduled to start in February 2022.



Figure 22. Demolition of Existing SCADA Control Room

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 Upgrade Project.



Figure 23. Preliminary Education Center Exhibit Rendering

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.



Figure 24. Garage Storage Project Photo

Schedule

The second phase is currently on hold as the garage is being used as the Operations meeting room to allow for social distancing.

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 Upgrade Project. Construction of these facilities is currently underway along with the SCADA Control Room and Wet Lab Upgrade Project.

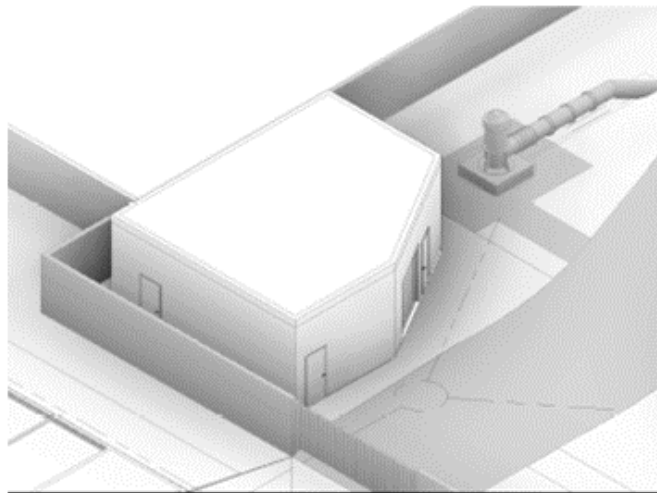


Figure 25. Rendering of the Southwest Storage Building at the MWRF

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 in Figure 26.

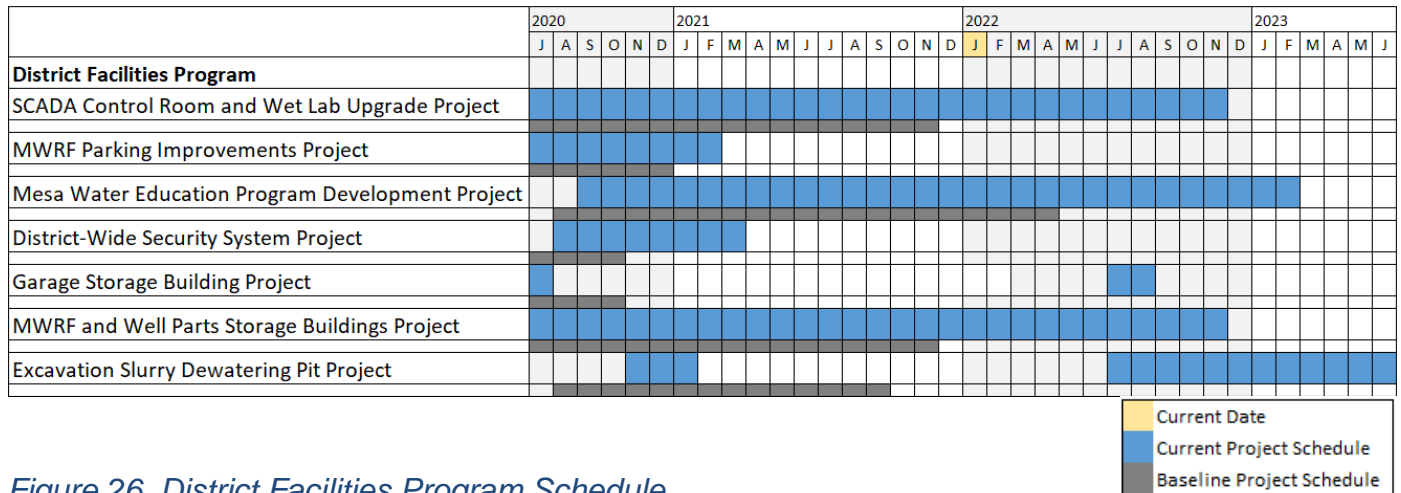


Figure 26. District Facilities Program Schedule

Budget

For the CIPR, \$8,200,000 is budgeted for the District Facilities Program; \$1,620,000 has been spent to date.

FINANCIAL IMPACT

The CIPR Program is estimated to cost \$70MM over Fiscal Years 2020 through 2023. A total of \$18,100,000 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; \$8.24MM has been spent to date. A summary of the CIPR program contracts and expenditures is shown in Table 1 and a comparison of the planned CIPR monthly expenditures and the actual monthly expenditures is shown in Figure 27.

Table 1. CIPR Program Budget

| Program | Program Cost | Existing Contracts | Actual Spent to Date |
|---|--------------|--------------------|----------------------|
| Wells | \$21,700,000 | \$21,700,000 | \$6,700,000 |
| Reservoirs | \$19,500,000 | \$1,300,000 | \$700,000 |
| Distribution | \$8,500,000 | \$6,100,000 | \$2,700,000 |
| Routine Capital | \$3,500,000 | \$3,500,000 | \$2,000,000 |
| District Facilities | \$8,200,000 | \$8,100,000 | \$1,600,000 |
| Annual Programs, Staffing, and Other Agency Projects | \$8,600,000 | \$8,600,000 | \$4,400,000 |
| Total | \$70,000,000 | \$49,300,000 | \$18,100,000 |

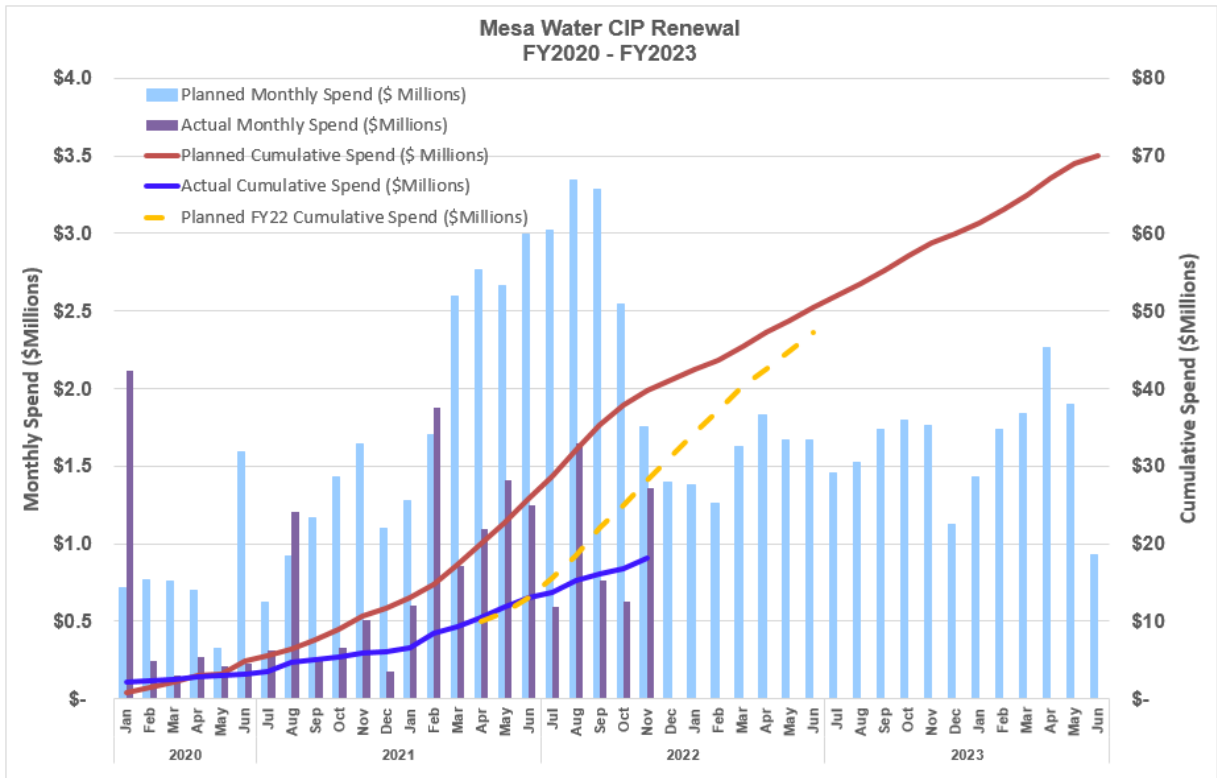


Figure 27. Monthly CIPR Planned Expenditures vs. Actual Monthly Expenditures

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Kaitlyn Norris, Public Affairs Specialist
DATE: January 25, 2022
SUBJECT: Water Issues Study Group

RECOMMENDATION

Receive the presentation.

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

None.

DISCUSSION

After a multi-year hiatus due in part to the pandemic, staff proposes to restart the Water Issues Study Group in the spring, in accordance with public health guidance at that time. A customer interest list has already begun to form.

Mesa Water will host this program in the Mesa Water Boardroom due to construction at the Mesa Water Reliability Facility.

Staff is proposing hosting both spring and fall sessions, with one session being held on a Saturday in the spring and one session being held over the course of four evenings in the fall.

Program topics and speakers may include:

1. Mesa Water engineer, water quality expert and General Manager discussing Mesa Water and our perpetual agency philosophy
 2. Representative of the Orange County Water District discussing the Groundwater Replenishment System and a representative of Municipal Water District of Orange County discussing water use efficiency and rebate programs
 3. An expert in desalination discussing the proposed desal project in Huntington Beach
 4. An expert in our statewide water system
- Question & Answer sessions, post presentations

A Marketing Campaign, will include, but is not limited to:

- **Direct Mail / Print Marketing**
 - Bill Insert
 - Postcard
 - Posters



- **Digital Marketing**
 - Website
 - Social Media
 - Email Marketing
 - Mesa Water Notify
- **Public Relations**
 - Media Relations
 - Community Partner Outreach (e.g., Costa Mesa Chamber of Commerce, Vanguard University, Orange Coast College, Estancia and Costa Mesa High Schools)

FINANCIAL IMPACT

In Fiscal Year 2022, \$590,920 is budgeted for Public Affairs Support Services; \$242,275 has been spent to date.

ATTACHMENTS

None.



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Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Paul E. Shoenberger, P.E., General Manager
DATE: January 25, 2022
SUBJECT: Association of California Water Agencies Region 10 Board of Directors Nomination

RECOMMENDATION

Adopt Resolution No. 1561 Placing in Nomination Marice H. DePasquale as a Member of the Association of California Water Agencies Region 10 Board Member.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

On January 7, 2022, Mesa Water District (Mesa Water®) received a memorandum from the Association of California Water Agencies (ACWA) seeking nominations to fill one vacancy for the Region 10 Board of Directors (Board) for the remainder of the 2022 – 2023 term. Per ACWA's Region 10 Rules and Regulations (Attachment A), the current vacancy must be filled by an ACWA member agency located in Orange County.

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 10 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 10. The members of the Region 10 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members.

Mesa Water Board President DePasquale has indicated a desire to serve as a Board member of ACWA Region 10 for the remainder of the 2022 – 2023 term. According to ACWA's Region 10 Rules and Regulations, each candidate must submit to ACWA a resolution of support (Attachment B) approved by the candidate's agency along with the Region Board Candidate Nomination Form (Attachment C) and any additional candidate information (Attachment D) by 5:00 p.m. on February 8, 2022.

The Region 10 Board will make their appointment shortly thereafter and will inform the region of the results.

FINANCIAL IMPACT

In Fiscal Year 2022, \$26,000 is budgeted for the ACWA membership in the District Memberships account.



ATTACHMENTS

Attachment A: ACWA Region 10 Memorandum and Correspondence

Attachment B: Draft Resolution No. 1561

Attachment C: ACWA Region Board Candidate Nomination Form

Attachment D: Candidate Statement of Qualifications

MEMORANDUM

Date: January 7, 2022

To: Region 10 Member Agency Presidents and General Managers (Orange County)
(sent via e-mail)

From: ACWA Region 10 Board

The Region 10 Board is looking for ACWA members who are interested in leading the direction of ACWA Region 10 for the remainder of the 2022-2023 term. The Board is seeking candidates from Region 10 to fill one board vacancy. Per Region 10 Rules and Regulations, the current vacancy must be filled by an ACWA member agency from Orange County.

The leadership of ACWA's ten geographical regions is integral to the leadership of the Association as a whole. The Chair and Vice Chair of Region 10 serve on ACWA's Statewide Board of Directors and recommend all committee appointments for Region 10. The members of the Region 10 Board determine the direction and focus of region issues and activities. Additionally, they support the fulfillment of ACWA's goals on behalf of members.

If you, or someone within your agency, are interested in serving in a leadership role within ACWA by becoming a Region 10 Board Member, please familiarize yourself with the Role of the Regions and Responsibilities; and the Region 10 Rules and Regulations [HERE](#) and complete the following steps:

- **Complete the Nomination Form [HERE](#)**
- **Obtain a Resolution of Support from your agency's Board of Directors (sample resolution [HERE](#))**
- **Submit the requested nomination form to ACWA by 5:00 p.m. February 8, 2022**

The Region10 Board will make their appointment shortly thereafter and will inform the region of the results.

If you have any questions, please contact ACWA Senior Regional Affairs Representative Michael Cervantes at michaelc@acwa.com or call (916) 441-4545.

Petra Rice

Region and Member Engagement Specialist I
Association of California Water Agencies
916.441.4545 | petrar@acwa.com | www.acwa.com

ACWA Regions provide the grassroots support to advance ACWA's legislative and regulatory agenda.

Background

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

Primary Charge of Regions

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

Note: Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.

GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS

Region Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement. Appoints Outreach Captain to help lead outreach effort within the region.
- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

Region Vice Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Performs duties of the Region Chair in the absence of the chair.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

Region Board Member

- Participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.
- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.

ACWA Region 10
Rules & Regulations

Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).

Officers

The chair and vice chair shall be from different counties.

At least one of the chair or vice chair positions must be an elected/appointed director from a member agency.

The region board members shall alternate every two years with three from one county and two from the other. The county from which the chair comes from shall have two region board members and the county from which the vice chair comes from shall have three region board members.

The chair will provide the region secretary.

Meetings

The region will hold at least quarterly meetings, including the ACWA spring and fall conferences.

The region chair will determine when and if nonmembers are invited to regional activities or events.

Attendance

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

Elections

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to

a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.

The nominating committee shall consist of four persons, two from each county.

The nominating committee shall pursue qualified members within the region to run for the region board and consider geographic diversity, agency size and focus in selecting a slate.

A member of the nominating committee cannot be nominated by the committee for an elected position.

See current region election timeline for specific dates.

Endorsements

ACWA, as a statewide organization, may endorse potential nominees and nominees for appointment to local, regional, and statewide commissions and boards. ACWA's regions may submit a recommendation for consideration and action to the ACWA Board of Directors to endorse a potential nominee or nominee for appointment to a local, regional or statewide commission or board. (ACWA Policy & Guideline P, 3.)

Committee Recommendations & Representation

All regions are given equal opportunity to recommend representatives of the region for appointment to a standing or regular committee of the Association. If a region fails to provide full representation on all ACWA committees, those committee slots will be left open for the remainder of the term or until such time as the region designates a representative to complete the remainder of the term. (ACWA Policy & Guideline P, 4. A.)

At the first region board / membership meeting of the term, regions shall designate a representative serving on each of the standing and regular committees to serve as the official reporter to and from the committee on behalf of the region to facilitate input and communication. (ACWA Policy & Guideline P, 4. B.)

The chair and vice chair will recommend an official alternate for excused committee members.

Tours

ACWA may develop and conduct various tours for the regions. All tour attendees must sign a "release and waiver" to attend any and all region tours. Attendees agree to follow environmental guidelines and regulations in accordance with direction from ACWA staff; and will respect the rights and privacy of other attendees. (ACWA Policy & Guideline P, 6.)

Finances

See "Financial Guidelines for ACWA Region Events" document.

Amending the Region Rules & Regulations

ACWA policies and guidelines can be amended by approval of the ACWA Board of Directors.

The region 10 rules and regulations can be changed at any time with advanced written notice to member agencies.

REGION MAP



REGIONS
1, 3, 5

Jennifer Rotz
Regional Affairs Representative
jenniferr@acwa.com

REGIONS
2, 6, 7

Michael Cervantes
Senior Regional Affairs Representative
michaelc@acwa.com

REGION
4

Ana Javaid
Region & Member Engagement
Specialist II
anaj@acwa.com

REGIONS
8, 9, 10

Vacant
Regional Affairs Representative
katied@acwa.com



RESOLUTION NO. 1561

RESOLUTION OF THE MESA WATER DISTRICT BOARD OF DIRECTORS PLACING IN NOMINATION MARICE H. DEPASQUALE AS A MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 10 BOARD MEMBER

WHEREAS, Mesa Water District (Mesa Water®) is a county water district organized and operating pursuant to the provisions of the laws of the State of California (State or California); and

WHEREAS, the Board of Directors of Mesa Water does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA); and

WHEREAS, President Marice H. DePasquale is currently serving, since 2018, as an active ACWA Communications Committee member and has participated in ACWA Region 10 Board meetings during ACWA conferences by providing the Communications Committee report; and

WHEREAS, President DePasquale has supported Mesa Water's increased engagement since 2017 with Region 10, ACWA's Board, and all 13 of ACWA's Committees, been featured in ACWA's "Investing in our Future" video, and represented Mesa Water as a recipient of multiple ACWA/JPIA and other prestigious industry awards; and

WHEREAS, she has led Mesa Water's ACWA Sponsorship at the Platinum level, attended every ACWA Conference since 2017, and supported Mesa Water's active participation with ACWA Women in Water and ACWA/JPIA; and

WHEREAS, Marice H. DePasquale has indicated a desire to serve as a Board member of ACWA Region 10.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF MESA WATER DISTRICT DOES HEREBY RESOLVE, DETERMINE, AND ORDER AS FOLLOWS:

Section 1. Does place its full and unreserved support in the nomination of Marice H. DePasquale for the position of Board member of ACWA Region 10.

Section 2. Does hereby determine that the expenses attendant with the service of Marice H. DePasquale in ACWA Region 10 shall be borne by Mesa Water District.

ADOPTED, SIGNED, and APPROVED this 25th day of January 2022 by a roll call vote.

AYES: DIRECTORS:
NOES: DIRECTORS:
ABSTAIN: DIRECTORS:
ABSENT: DIRECTORS:

Marice H. DePasquale
President, Board of Directors

Denise Garcia
District Secretary

DRAFT

State of California
County of Orange

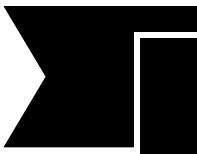
I, Denise Garcia, District Secretary of the Board of Directors of the Mesa Water District, do hereby certify that the foregoing Resolution No. 1561 was duly passed and adopted by the Board of Directors of the Mesa Water District at its Board meeting held on January 25, 2022 by the following vote:

AYES: DIRECTORS:
NOES: DIRECTORS:
ABSTAIN: DIRECTORS:
ABSENT: DIRECTORS:

Attest:

Denise Garcia
District Secretary

DRAFT



REGION BOARD CANDIDATE NOMINATION FORM

Name of Candidate: _____

Agency: _____ Title: _____

Agency Phone: _____ Direct Phone: _____

E-mail: _____ ACWA Region: _____ County: _____

Address: _____

Agency Function(s): (check all that apply)

- | | | |
|--------------------|------------------------|--|
| Wholesale | Sewage Treatment | Flood Control |
| Urban Water Supply | Retailer | Groundwater Management / Replenishment |
| Ag Water Supply | Wastewater Reclamation | Other: <u>Groundwater Cleanup</u> |

Describe your ACWA-related activities that help qualify you for this office:

In the space provided, please write or attach a brief, half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership. Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.

I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating on region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.

*I hereby submit my name for consideration by the Region Board.
(Please attach a copy of your agency's resolution of support/sponsorship for your candidacy.)*

Signature Title Date

Submit completed form to Petra Rice at petrar@acwa.com

Appoint Marice H. DePasquale to ACWA Region 10 Board

President, Mesa Water District (Mesa Water®)



OBJECTIVE: To advance the goals of ACWA Region 10 in best serving its members, ACWA, and the water industry by contributing my advocacy and communications skills -- and my water industry and community leadership experience -- as an ACWA Region 10 Board Member.

STATEMENT OF QUALIFICATIONS:

- [Mesa Water](#) – President, 2021 - Present; Vice President, 2019 - 2021; Executive Committee, 2019 - Present; Legislative & Public Affairs Committee Chair and Engineering & Operations Committee Alternate, 2019 - Present
- [ACWA](#) – Communications Committee member & Region 10 Reporter for Communications Committee, 2018 - Present; featured in ACWA “Investing in our Future” video, 2019; Women in Water participant, 2017 - Present
- [CalDesal](#) – Vice Chair, 2020 - Present
- [Water UCI](#) – Board Member, 2018 - Present
- **Other** – City of Huntington Beach, Affordable Housing Committee; Girl Scouts & Junior Troop Leader; Orange County Building Industry Association; Seneca Family of Agencies, Board Member; UCI School of Social Science, Dean’s Board of Counselors

BACKGROUND: With a Bachelor of Arts degree in Political Science from the University of California, Irvine (UCI), Director DePasquale has decades of public relations experience and is Principal of MConsensus, an award-winning public affairs firm specializing in land use entitlement, government and community relations, and grassroots lobbying. A Mesa Water Director since 2017, she values public service and giving back to the community, and is committed to assuring a safe, affordable, abundant, and reliable water supply for all Californians.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: January 25, 2022
SUBJECT: Mesa Water District's Policy Positions and Legislative Platforms

RECOMMENDATION

Approve the proposed updates to Mesa Water District's Policy Positions and Legislative Platforms.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

Mesa Water District's (Mesa Water®) Policy Positions and Legislative Platforms are regularly reviewed, updated annually or as needed by Mesa Water's Board of Directors (Board). Both documents contribute to and relate to Mesa Water's vision, mission, and strategic plan goals.

The Policy Positions document was last reviewed, updated, and approved by the Board on May 14, 2020; and, the Legislative Platforms document was last reviewed, updated, and approved by the Board on December 17, 2020.

DISCUSSION

Policy Positions

The purpose of a Policy Positions document for Mesa Water is to determine positions, agreed upon by the Board, on public policies to guide our advocacy staff and consultants in monitoring, identifying, evaluating, and prioritizing legislative, regulatory, and water/government/utility industry issues that may affect Mesa Water and our constituents' interests.

For advocacy staff's and consultants' ongoing State legislative, administrative, and regulatory engagement efforts -- in collaboration with a broad coalition of regional, state, and national industry associations and groups -- an updated Policy Positions document is important for Mesa Water's continued influence on water/government/utility policy decisions that can impact our operations, customers, and community.

In addition to aligning Mesa Water's Policy Positions with its Strategic Plan and 2022 Legislative Platforms, the newly updated Policy Positions includes:

- Edits to Policy Position #1.c. supporting general advocacy for funding and treatment of Constituents of Emerging Concern (e.g., PFAS);



- Edits to Policy Position #15 supporting general advocacy for funding brackish and ocean water desalination;
- Edits to Policy Position #19.a. to include content from previously-numbered Policy #20 that was deleted due to redundancy;
- Edits to newly-numbered Policy Position #20 to reflect one of Mesa Water’s 2022 priorities of exempting potable reuse water from mandates on outdoor irrigation;
- Minor edit to newly-numbered Policy Position #22 to add the IRWM acronym in parentheses; and,
- An added opposition Policy Position #3 to align with one of Mesa Water’s 2022 priorities of upholding local control.

Legislative Platforms

Mesa Water’s Legislative Platforms, agreed upon by the Board, are established to develop opportunities for beneficially influencing water policy and related issues and to assist advocacy staff and consultants in taking positions on legislation, administrative actions, and regulations that can affect Mesa Water and the interests of our constituents. Updated annually, our Legislative Platforms provide guidelines that allow for timely response to policy matters relevant to Mesa Water’s operations including, but not necessarily limited to:

- water quality and treatment mandates;
- local governance/transparency issues;
- infrastructure funding and fiscal policies;
- water rate structures and conservation/water use efficiency; and,
- water source development via desalination, potable reuse, recycled water, etc. to create new local water supplies.

Additionally in 2022, Mesa Water’s advocacy activities will focus on four policy priorities: 1) uphold local control; 2) promote the “true, full cost of water” concept; 3) support desalination; and, 4) exempt potable reuse water from mandates on outdoor irrigation.

Any policy issues with complex implications requiring further clarification will be presented to the Board for direction.

FINANCIAL IMPACT

None.

ATTACHMENTS

- Attachment A: Proposed Policy Positions, Draft
- Attachment B: Policy Positions, Redline
- Attachment C: Proposed 2022 Legislative Platforms, Draft
- Attachment D: 2021 Legislative Platforms, Redline



Policy Positions

Updated: January 25, 2022 (Draft)

Mesa Water District (Mesa Water®) supports:

1. Groundwater Quality Protection
 - a. Support Orange County Water District's (OCWD) current groundwater quality protection programs
 - i. Basin Equity Assessment (BEA) Exemption Program for Impaired Groundwater (including the Mesa Water Reliability Facility)
 - ii. The MTBE, North Basin, and South Basin groundwater protection projects
 - iii. The Tustin and Irvine desalters
 - b. Encourage OCWD to protect the Basin from chlorides caused by seawater intrusion
 - i. Encourage OCWD to set a goal of maintaining protective elevations along the coast
 - ii. Encourage OCWD to hold semi-annual barrier meetings with Coastal Agencies (Huntington Beach, Mesa Water, and Seal Beach)
 - iii. Encourage semi-annual reporting on the barrier
 - c. Collaborate with OCWD in advocating for funding and treatment of Constituents of Emerging Concern (CECs) such as PFAS
2. Policies that raise and stabilize the Basin Pumping Percentage (BPP)
 - a. Support OCWD setting a target BPP that they intend to consistently meet
 - b. Support new water supply projects that help achieve this goal
 - c. Support OCWD adopting a water supply policy that sets a goal of developing water supply and recharge capabilities, including purchasing replenishment water, or other actions that result in a reliable and predictable source of groundwater at a BPP of not less than 80 percent. A goal of this policy is to accomplish this with a cost-neutral, or better, impact on producers when the avoided cost of purchasing imported water is considered
3. Policies that keep the Basin full
 - a. Support OCWD adhering to the BPP-setting formula
 - b. Support maximum production at the Groundwater Replenishment System (GWRS) to ensure a cost-effective, high-quality, environmentally-friendly and sustainable local water supply that benefits all OCWD producers and that increases the region's current and future water reliability
 - c. Support maximum wastewater flows treatable by the GWRS to the Orange County Sanitation District (OCSD) -- and support OCSD/OCWD's permanent acquisition of such wastewater flows -- to ensure source reliability for the GWRS
 - d. Support stormwater capture projects that are cost-effective (e.g., equivalent to or less than GWRS costs) and that contribute source water to the Basin Principal Aquifer
4. Basin Storage and Exchange/Transfer Programs that are market-based with the primary benefits accruing to OCWD, its Groundwater Producers, and the ratepayers they serve, with such Programs applying the "Beneficiaries Pay" principle and addressing issues including, but not limited to:

- a. Full cost recovery, at a minimum, of a proportional share of the historic and future capital investments as well as operations and maintenance costs incurred by OCWD to manage the Basin
 - b. Full cost recovery, at a minimum, of the proportional value that entry into the Basin affords, including the value of reliability (and thus loss of reliability to the Groundwater Producers through the loss of available storage capacity) and the value of treatment
 - c. Accounting for water loss in a current or future year (both lost out of the Basin and lost due to inability to spread or extract)
 - d. Consideration that the above is merely a “break even” deal, and any program should bring significant benefits in excess of the above to OCWD and its Groundwater Producers
 - e. Deferring entering into any agreements until the *IRWD v. OCWD* lawsuit is resolved
 - f. Deferring entering into any agreements until the Metropolitan Water District of Southern California (MWD) Conjunctive Use Program has been terminated
 - g. Limiting any potential future storage agreements to storage programs that are compliant with OCWD Act Section 2.1.c
 - h. Maximizing the beneficial use of the Basin while maximizing Basin Pumping Percentage (BPP) for the Groundwater Producers overlying the Basin
5. Annexations
- a. Support financially neutral annexations into OCWD
6. A financially strong OCWD
- a. Support policies and practices that maintain OCWD’s current AAA credit rating from two of the three credit rating agencies
7. The potential merger of the Municipal Water District of Orange County (MWDOC) and OCWD if the merger:
- a. is mutually agreed upon by both MWDOC and OCWD, with any governance change supported by MWDOC’s and OCWD’s Boards of Directors;
 - b. encourages MWDOC and OCWD exploring mutual areas of efficiency that results in economic savings for the members of both agencies;
 - c. improves or, at a minimum, preserves the quality, reliability and sustainability of wholesale water services to the members of both agencies;
 - d. preserves the interests of groundwater producers currently existing within Orange County’s groundwater basin and protects those interests from diminished groundwater resources or supplies;
 - e. supports MWDOC’s current geographic boundaries, and preserves the existing boundaries of the Orange County groundwater basin for pumping and storage purposes;
 - f. supports MWDOC’s current mission, and allows the Orange County groundwater basin to remain unadjudicated;
 - g. respects the “one person one vote” principle if the new Board of Directors is a wholly elected board;
 - h. is facilitated openly and transparently; and,



- i. increases the effectiveness of Orange County's representation at MWD, with a coordinated and unified voice representing Orange County
8. Increased influence at Metropolitan Water District of Southern California (MWD)
 - a. Support increased allocations of MWDOC resources for engagement at MWD
 - b. Support coordination of the entire Orange County MWD delegation
9. MWDOC's priority initiatives at MWD
 - a. Protect Mesa Water's service area from any cost shifts as a result of the San Diego County Water Authority lawsuit
 - b. Encourage continued efforts in improving the Delta
 - c. Seek opportunities for MWD to provide assistance (or partnership) with MWDOC on developing desalination in Orange County
 - d. Continue to support MWD's discounted replenishment water program
10. Close working relationships with MWDOC on local and regional issues and programs for which the organization is advocating at MWD
11. The current Mesa Water Strategic Plan, including the District's goals to:
 - a. Provide a safe, abundant, and reliable water supply.
 - b. Practice perpetual infrastructure renewal and improvement.
 - c. Be financially responsible and transparent.
 - d. Increase public awareness about Mesa Water and about water.
 - e. Attract and retain skilled employees.
 - f. Provide outstanding customer service.
 - g. Actively participate in regional and statewide water issues.
12. The Orange County Local Agency Formation Commission (OC LAFCO) as more of a facilitator than an initiator of actions
13. The development of cost-effective and environmentally sensitive sources of water, including recycling, groundwater clean-up, conservation, and desalination
14. The potential Huntington Beach Ocean Desalter project as it can possibly provide a new, reliable, quality water supply that is appropriately priced
15. CalDesal's mission and its efforts to advocate for funding for brackish and ocean water desalination
16. The co-equal goals of improved water supply reliability and Delta ecosystem health
17. Water rates, fees, and other service or use charges based on true costs in conformance with Prop. 218, and tax-free revenue
18. The "Expenditures Per Capita" metric as being more accessible and equitable, as well as a simpler and superior method -- versus comparing water rates alone -- for measuring the full, true cost and "affordability" of a public water system's services to its community
19. Policies that encourage economical and practical water efficiency for indoor water use, irrigation water use, and commercial and industrial water use, without stranding investments in potable reuse systems, including:



- a. Indoor water use efficiency at the level needed for community health and safety -- as substantiated by a recently-commissioned, validated, and peer-reviewed fact-based studies that are credible, replicable, and verifiable -- and that protects local investments in potable reuse systems
 - b. Irrigation water use efficiency at the level necessary for productive crops and attractive landscapes
 - c. Commercial and industrial water use efficiency at a level that sustains economic vitality
20. Policies that exempt all types of recycled water, including purple pipe and potable reuse, from mandates on outdoor irrigation
21. Theft prevention of municipal metal infrastructure, such as fire hydrants, manhole covers, and backflow devices
22. The equitable treatment of OCWD -- and its programs and projects -- by the Santa Ana Watershed Project Authority (SAWPA) with respect to grants funding and related considerations as part of SAWPA's Integrated Regional Water Management (IRWM) planning and One Water One Watershed program.

Mesa Water opposes:

1. The encroachment of Mesa Water easements, rights-of-way, and property without negotiation, agreed upon compensation, and advance approval at the sole discretion of the District
2. Administrative, legislative, and regulatory actions that mandate new, unfunded operational practices which add cost burdens or time delays to work conducted by essential public utilities
3. One-size-fits-all mandates regarding water use efficiency that ignore local IRWM plans or Urban Water Management Plans.



Policy Positions

Updated: ~~May 14, 2020~~January 25, 2022 (Draft)

Mesa Water District (Mesa Water®) supports:

1. Groundwater Quality Protection
 - a. Support Orange County Water District's (OCWD) current groundwater quality protection programs
 - i. Basin Equity Assessment (BEA) Exemption Program for Impaired Groundwater (including the Mesa Water Reliability Facility)
 - ii. The MTBE, North Basin, and South Basin groundwater protection projects
 - iii. The Tustin and Irvine desalters
 - b. Encourage OCWD to protect the Basin from chlorides caused by seawater intrusion
 - i. Encourage OCWD to set a goal of maintaining protective elevations along the coast
 - ii. Encourage OCWD to hold semi-annual barrier meetings with Coastal Agencies (Huntington Beach, Mesa Water, and Seal Beach)
 - iii. Encourage semi-annual reporting on the barrier
 - c. Collaborate with OCWD in advocating for ~~Climate Resilience/Water Bond~~ funding and of \$500M for treatment of Constituents of Emerging Concern (CECs) such as PFAS
2. Policies that raise and stabilize the Basin Pumping Percentage (BPP)
 - a. Support OCWD setting a target BPP that they intend to consistently meet
 - b. Support new water supply projects that help achieve this goal
 - c. Support OCWD adopting a water supply policy that sets a goal of developing water supply and recharge capabilities, including purchasing replenishment water, or other actions that result in a reliable and predictable source of groundwater at a BPP of not less than 80 percent. A goal of this policy is to accomplish this with a cost-neutral, or better, impact on producers when the avoided cost of purchasing imported water is considered
3. Policies that keep the Basin full
 - a. Support OCWD adhering to the BPP-setting formula
 - b. Support maximum production at the Groundwater Replenishment System (GWRS) to ensure a cost-effective, high-quality, environmentally-friendly and sustainable local water supply that benefits all OCWD producers and that increases the region's current and future water reliability
 - c. Support maximum wastewater flows treatable by the GWRS to the Orange County Sanitation District (OCSD) -- and support OCSD/OCWD's permanent acquisition of such wastewater flows -- to ensure source reliability for the GWRS
 - d. Support stormwater capture projects that are cost-effective (e.g., equivalent to or less than GWRS costs) and that contribute source water to the Basin Principal Aquifer
4. Basin Storage and Exchange/Transfer Programs that are market-based with the primary benefits accruing to OCWD, its Groundwater Producers, and the ratepayers they serve, with such Programs applying the "Beneficiaries Pay" principle and addressing issues including, but not limited to:

- a. Full cost recovery, at a minimum, of a proportional share of the historic and future capital investments as well as operations and maintenance costs incurred by OCWD to manage the Basin
 - b. Full cost recovery, at a minimum, of the proportional value that entry into the Basin affords, including the value of reliability (and thus loss of reliability to the Groundwater Producers through the loss of available storage capacity) and the value of treatment
 - c. Accounting for water loss in a current or future year (both lost out of the Basin and lost due to inability to spread or extract)
 - d. Consideration that the above is merely a “break even” deal, and any program should bring significant benefits in excess of the above to OCWD and its Groundwater Producers
 - e. Deferring entering into any agreements until the *IRWD v. OCWD* lawsuit is resolved
 - f. Deferring entering into any agreements until the Metropolitan Water District of Southern California (MWD) Conjunctive Use Program has been terminated
 - g. Limiting any potential future storage agreements to storage programs that are compliant with OCWD Act Section 2.1.c
 - h. Maximizing the beneficial use of the Basin while maximizing Basin Pumping Percentage (BPP) for the Groundwater Producers overlying the Basin
5. Annexations
- a. Support financially neutral annexations into OCWD
6. A financially strong OCWD
- a. Support policies and practices that maintain OCWD’s current AAA credit rating from two of the three credit rating agencies
7. The potential merger of the Municipal Water District of Orange County (MWDOC) and OCWD if the merger:
- a. is mutually agreed upon by both MWDOC and OCWD, with any governance change supported by MWDOC’s and OCWD’s Boards of Directors;
 - b. encourages MWDOC and OCWD exploring mutual areas of efficiency that results in economic savings for the members of both agencies;
 - c. improves or, at a minimum, preserves the quality, reliability and sustainability of wholesale water services to the members of both agencies;
 - d. preserves the interests of groundwater producers currently existing within Orange County’s groundwater basin and protects those interests from diminished groundwater resources or supplies;
 - e. supports MWDOC’s current geographic boundaries, and preserves the existing boundaries of the Orange County groundwater basin for pumping and storage purposes;
 - f. supports MWDOC’s current mission, and allows the Orange County groundwater basin to remain unadjudicated;
 - g. respects the “one person one vote” principle if the new Board of Directors is a wholly elected board;
 - h. is facilitated openly and transparently; and,



- i. increases the effectiveness of Orange County's representation at MWD, with a coordinated and unified voice representing Orange County
8. Increased influence at Metropolitan Water District of Southern California (MWD)
 - a. Support increased allocations of MWDOC resources for engagement at MWD
 - b. Support coordination of the entire Orange County MWD delegation
9. MWDOC's priority initiatives at MWD
 - a. Protect Mesa Water's service area from any cost shifts as a result of the San Diego County Water Authority lawsuit
 - b. Encourage continued efforts in improving the Delta
 - c. Seek opportunities for MWD to provide assistance (or partnership) with MWDOC on developing desalination in Orange County
 - d. Continue to support MWD's discounted replenishment water program
10. Close working relationships with MWDOC on local and regional issues and programs for which the organization is advocating at MWD
11. The current Mesa Water Strategic Plan, including the District's goals to:
 - a. Provide a safe, abundant, and reliable water supply.
 - b. Practice perpetual infrastructure renewal and improvement.
 - c. Be financially responsible and transparent.
 - d. Increase public awareness about Mesa Water and about water.
 - e. Attract and retain skilled employees.
 - f. Provide outstanding customer service.
 - g. Actively participate in regional and statewide water issues.
12. The Orange County Local Agency Formation Commission (OC LAFCO) as more of a facilitator than an initiator of actions
13. The development of cost-effective and environmentally sensitive sources of water, including recycling, groundwater clean-up, conservation, and desalination
14. The potential Huntington Beach Ocean Desalter project as it can possibly provide a new, reliable, quality water supply that is appropriately priced
15. CalDesal's mission and its efforts to advocate for ~~Climate Resilience/Water Bond~~ funding of ~~\$250M~~ for brackish and ocean water desalination
16. The co-equal goals of improved water supply reliability and Delta ecosystem health
17. Water rates, fees, and other service or use charges based on true costs in conformance with Prop. 218, and tax-free revenue
18. The "Expenditures Per Capita" metric as being more accessible and equitable, as well as a simpler and superior method -- versus comparing water rates alone -- for measuring the full, true cost and "affordability" of a public water system's services to its community
19. Policies that encourage economical and practical water efficiency for indoor water use, irrigation water use, and commercial and industrial water use, without stranding investments in potable reuse systems, including:



- a. Indoor water use efficiency at the level needed for community health and safety -- as substantiated by a recently-commissioned, validated, and peer-reviewed ~~end-use study~~fact-based studies that are credible, replicable, and verifiable -- and that protects local investments in potable reuse systems
- b. Irrigation water use efficiency at the level necessary for productive crops and attractive landscapes
- c. Commercial and industrial water use efficiency at a level that sustains economic vitality

~~20. Water use efficiency policies based on fact-based data and water use efficiency standards based on sound studies that are credible, replicable, and verifiable~~

~~21.20.~~ Policies that ~~establish regulatory and statutory parity for exempt~~ all types of recycled water, including purple pipe and potable reuse, from mandates on outdoor irrigation

~~22.21.~~ Theft prevention of municipal metal infrastructure, such as fire hydrants, manhole covers, and backflow devices

~~23.22.~~ The equitable treatment of OCWD -- and its programs and projects -- by the Santa Ana Watershed Project Authority (SAWPA) with respect to grants funding and related considerations as part of SAWPA's Integrated Regional Water Management (IRWM) planning and One Water One Watershed program.

Mesa Water opposes:

1. The encroachment of Mesa Water easements, rights-of-way, and property without negotiation, agreed upon compensation, and advance approval at the sole discretion of the District
2. Administrative, legislative, and regulatory actions that mandate new, unfunded operational practices which add cost burdens or time delays to work conducted by essential public utilities
- 2.3. One-size-fits-all mandates regarding water use efficiency that ignore local IRWM plans or Urban Water Management Plans.



2022 Legislative Platforms

January 2022 (draft)

Calendar Year 2022 marks the second year of California's two-year (2021 and 2022) legislative session, with the State legislature having reconvened on Monday, January 3, 2022. Due to the ongoing Covid-19 pandemic, the 2022 session is being conducted much like the 2021 and 2020 legislative sessions, with the implementation of new remote lawmaking processes that affected advocacy activities, limited policy hearings and public participation, and resulted in water-related legislation focused on a few priority issues: water affordability and arrears funding; water conservation; and, investments in water and other infrastructure. Also in 2021, the state was focused on addressing climate and wildfires, homelessness and affordable housing, public and employee health related to Covid-19, and budget shortfalls caused by the pandemic.

For 2022, it is expected that some legislative proposals and policy discussions from 2021 could return, including legislation and regulations that could significantly impact Mesa Water District (Mesa Water®). The State administration, legislature, and regulators explored several ongoing water issues in 2021, including, but not limited to:

- water use efficiency/conservation regulations pertaining to data reporting, water loss performance standards, and other topics related to implementing [SB 606 and AB 1668](#) (passed in 2018);
- water affordability related to California's Human Right to Water and the Safe and Affordable Drinking Water Fund (respectively, [AB 685](#) and [SB 200](#)), and a Low-Income Household Water Assistance Program (LiHWAP) also called "lifeline rates" programs ([AB 401](#)), as well as the continuation of the Governor's Executive Order [N-42-20](#) prohibiting shutoffs during the Covid-19 emergency through December 31, 2021;
- water district consolidations;
- headwaters protection, forest management, and wildfires prevention;
- climate adaptation and resilience, and related issues (i.e., energy policies, public safety power shutoffs, etc.);
- water quality, PFAS, and other Constituents of Emerging Concern (CECs);
- recycled water and water reuse;
- affordable housing proposals to alleviate homelessness (i.e., ADUs, CEQA reform, housing development fees, surplus land, etc.); and,
- Delta Flows (e.g., Voluntary Settlement Agreements) and the Delta Conveyance Project (DCP).

As policy discussions continue in 2022, the above issues will be the primary areas of legislative and regulatory focus. Additionally as a reminder, in 2020, Governor Newsom issued two climate-related Executive Orders to require: 1. by 2035, that all new cars and passenger trucks sold in CA are Zero-Emission Vehicles ([N-79-20](#)); and, 2. by 2030, the conservation of 30% of the state's land and coastal waters ([N-82-20](#)).



Lastly, Mesa Water engaged with various agencies and associations that the district is affiliated with (i.e., ACC-OC, ACWA, AWWA, CalDesal, CMUA, CSDA, CWSA, MWDOC/MWD, OCBC, OCWD, OC Tax, SCWC, WaterReuse, etc.) to advocate on legislative/policy issues including, but not necessarily limited to: 1) upholding local control; 2) promoting the “true, full cost of water” concept; 3) supporting desalination; and, 4) exempting potable reuse water from mandates on outdoor irrigation. In 2022, Mesa Water advocacy staff and consultants will continue to focus on these four policy priorities.

Listed below, for the Board’s consideration, are the proposed legislative and regulatory platforms regarding anticipated high-priority public policy issues in 2022 that could have major consequences for Mesa Water:

- **Water Rates** – Mesa Water supports local rate-setting control with rate structures, set by publicly-elected boards and councils, that best serve customers and comply with the law. Furthermore, Mesa Water supports cost-based water rates that:
 - represent the true, full cost of water services, including operational costs and infrastructure funding to ensure water system sustainability into perpetuity; and,
 - harmonize the concepts of conservation and legality, with rates that provide a strong price signal for ratepayers to conserve while also complying with legal mandates (i.e., Article X of the CA Constitution; SB 606 and AB 1668; and, Propositions 13, 26, and 218).
- **Proposition 13** – Mesa Water supports Article XIII A of the California Constitution (Prop. 13) and the taxpayer protections it provides as passed in 1978; and, Mesa Water opposes a “Split Roll” that would remove some of the protections of Prop. 13 from nonresidential properties in order to raise taxes on them.
- **Proposition 218** – Mesa Water supports Article XIII C and D of the California Constitution (Prop. 218) regarding government service assessments, fees, rates, and taxes, specifically:
 - the “2/3 vote” required from the legislature and voters for approval of new levies;
 - the “special benefit and proportionality requirements” provision which directly connects the special benefits received with reasonable proportionate costs, and ensures that assessments imposed for property-related (water) services must not exceed the proportional cost of the services attributable to the parcel; and
 - transparent rate-setting procedures that protect consumers from potential government overcharge by providing ample opportunities for consumer participation as well as the ability for consumers to protest illegal rates.
- **Water Rate Assistance Programs** – Mesa Water supports localized “lifeline rates” or federal/state-funding LiHWAP programs that comply with Prop. 218 of the California Constitution and are funded either voluntarily or via non-restricted/non-water-rates revenues. Mesa Water opposes a state tax on local water customer bills.
- **Orange County Groundwater Basin** – Mesa Water opposes any potential streamlined process for adjudicating groundwater basins, including the Orange County groundwater basin, managed by the Orange County Water District (OCWD).
- **Water Bonds Funding (Propositions 1 and 68)** – Mesa Water supports funding from the November 2014 and June 2018 water bonds for OCWD’s priority projects.

- **Water Desalination** – Mesa Water supports CalDesal in its desalination advocacy efforts, as well as the local and regional development of cost-effective and environmentally-sensitive water desalination projects statewide -- including brackish and ocean water desalination and the proposed Huntington Beach and Dana Point projects -- to enhance the availability and reliability of local and regional water supply sources, and improve water supply reliability for Orange County, Southern California, and statewide.
- **Water Conservation/Water Use Efficiency** – Mesa Water supports accounting for water resource and supply investments -- such as desalination, potable reuse, and water recycling -- as part of any potential statewide effort to update urban water conservation goals. Mesa Water supports compliance flexibility and local control; maximum credit for drought-resilient supplies, including exempting potable reuse water from mandates on outdoor irrigation; and, regulatory water use and water loss target-setting that is based on valid data and includes a glide path for enforcement as well as a variance process for unique situations. Mesa Water also supports the streamlining of water reporting data as part of the implementation of, and compliance with, SB 606 and AB 1668.
- **Water Recycling** – Mesa Water supports OCWD and WaterReuse in its efforts to advance potable reuse legislation and regulations. Mesa Water supports the “Beneficiaries Pay” principle for the development and implementation of new recycledwater projects including stormwater capture.
- **Water Quality and Economic Feasibility** – Mesa Water supports efforts by the Association of California Water Agencies (ACWA) and other water industry associations/organizations to protect public health by using the best available scientific data and cost/benefit analyses to inform the development of reasonable and fiscally- responsible water quality legislation and regulations -- for current and future constituents of concern (e.g., PFAS) -- which consider technical and economic feasibility of standards and treatments to ensure clean, safe drinking water.
- **Water Storage and Exchange Programs** – Mesa Water supports the “Beneficiaries Pay” principle for water storage and exchange/transfer programs if they are market-based, ensure full cost recovery at a minimum, and account for water loss.
- **Affordable Housing** – Mesa Water supports the advocacy efforts of California Special Districts Association (CSDA) and other industry associations/organizations on policies related to Accessory Dwelling Units (ADUs), CEQA reform/streamlining, development impact fees (i.e., capacity charges, connection fees, etc.), metering/sub-metering, surplus land, and other proposed affordable housing solutions provided that they support water utilities’ ability to provide reliable residential water services that are appropriately priced and right-sized for public health and safety.
- **Local Government** – Mesa Water supports the efforts of CSDA and other industry associations/organizations to ensure local control and representation, efficient delivery of government services, and appropriate reserve funds levels.

- **Local Agency Formation Commission (LAFCO)** – Mesa Water supports the existing protest thresholds for LAFCO-initiated reorganizations, per the Cortese-Knox-Hertzberg (CKH) Act, and opposes changes that would make it more difficult for citizens to protest a LAFCO-initiated reorganization. Additionally, Mesa Water opposes any changes to the CKH Act that would weaken local control and representation and/or broaden the mission, powers, and scope of LAFCOs without providing any added public benefit.
- **Special Districts Voting Methods** – Mesa Water supports exempting special districts from Cumulative Voting and Ranked Choice Voting methods, and opposes attempts to make these methods an option or a mandate for special districts elections.
- **Delta Solutions** – Mesa Water supports the efforts of ACWA, Municipal Water District of Orange County (MWDOC), Metropolitan Water District of Southern California (MWD), and Southern California Water Committee (SCWC) to achieve a long-term solution for the Bay Delta that includes functional, unimpaired flows for optimal statewide water supply reliability, sustainability and quality, and Delta ecosystem health and restoration for the public benefit. Mesa Water supports the “Beneficiaries Pay” principle for Delta Solution funding.
- **CA Headwaters and Forest Management** – Mesa Water supports the efforts of ACWA and other water industry coalitions to promote policies that enhance the pace and scale of headwaters protection, forest management and wildfires prevention -- including improved planning, coordination and implementation -- and increase financing, research, and resources to: protect water supply and quality; bring management practices in line with modern challenges; and, provide multiple benefits to the State’s water users.
- **Climate Adaptation/Resilience Bond** – Mesa Water supports the efforts of ACWA and other water industry associations/organizations in engaging with the Governor’s Administration, lawmakers, and regulators on resource funding related to the Governor’s Executive Orders on climate change and related issues including, but not necessarily limited to: energy solutions, water resilience, and public safety power shutoffs.
- **Essential Public Utilities** – Mesa Water supports the concept of carving out Essential Public Utilities -- such as water and wastewater service providers -- from future legislation, administrative actions, and regulations that add costs or time delays to a utility’s work by mandating new, unfunded operational practices.
- **Federal Drought Legislation** – Mesa Water supports the efforts of ACWA and other water industry associations/organizations in collaborating with U.S. representatives to develop bicameral, bipartisan federal drought legislation.
- **Covid-19 Economic Relief** – Mesa Water supports the efforts of ACWA, CSDA, and other industry associations/organizations to advocate for State and Federal funding to help local governments overcome administrative, financial, and operational challenges caused by the global pandemic and related government actions.
- **Cannabis Growers’ Negative Water Impacts** – Mesa Water supports legislation and/or regulations that enforce against cannabis growers’ water theft and/or negative impacts to water supplies and sources.



2021-2022 Legislative Platforms

**December 2020/January 2022
(draft)**

Calendar Year 2021-2022 marks the ~~first~~second year of California's two-year (~~2020-2021~~ and 2021-2022) legislative session, with the State legislature ~~slated to~~having reconvened on Monday, January 4~~3~~, 2021-2022. Due to the global-ongoing Covid-19 pandemic, the 2021-2022 session ~~is expected~~continues to be conducted much like the 2020-2021 and 2020 legislative sessions which ~~was~~were historically unique with the implementation of new remote lawmaking processes that affected advocacy activities, limited policy hearings and public participation, and resulted in water-related legislation focused on a few priority issues: homelessness and affordable housing; public and employee health (especially related to Covid-19), and wildfireswater affordability and arrearages funding, water conservation, and investments in water and other infrastructure. Also in ~~2020~~2021, the state was focused on addressing climate and wildfires, homelessness and affordable housing, public and employee health related to Covid-19, and budget shortfalls caused by the pandemic.

For 2021-2022, it is expected that some legislative proposals and ~~ongoing~~ policy discussions from ~~2019 and 2020~~2021 could return ~~in 2021~~, including legislation and regulations that could significantly impact Mesa Water District (Mesa Water®). The State administration, legislature, and regulators explored several ongoing water issues in ~~2019 and 2020~~2021, including, but not limited to:

- water use efficiency/conservation regulations pertaining to data reporting, water loss performance standards, and other topics related to implementing SB 606 and AB 1668 (passed in 2018);
- water affordability related to California's Human Right to Water and the Safe and Affordable Drinking Water Fund (respectively, AB 685 and SB 200), and a Low-Income Household Water Rate Assistance Program (LIHWAP) also called "lifeline rates" ~~or LiWRA~~ programs (AB 401), ~~and the state's No Water Shutoffs law (SB 998)~~, as well as the continuation of the Governor's Executive Order N-42-20 prohibiting shutoffs during the Covid-19 emergency through December 31, 2021;
- water district consolidations;
- headwaters protection, forest management, and wildfires prevention;
- climate adaptation and resilience, and related issues (i.e., energy policies, public safety power shutoffs, etc.);
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associations/organizations to ensure local control and representation, efficient delivery of government services, and appropriate reserve funds levels.

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- **Cannibus Growers' Negative Water Impacts – Mesa Water supports legislation and/or regulations that enforce against cannabis growers' water theft and/or negative impacts to water supplies and sources.**

REPORTS:

17. REPORT OF THE GENERAL MANAGER

REPORTS:

18. DIRECTORS' REPORTS AND COMMENTS



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: January 25, 2022
SUBJECT: Financial Auditor Selection

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

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

PRIOR BOARD ACTION

At its October 12, 2004 meeting, the Board of Directors (Board) adopted Resolution No. 1307 Establishing a Policy to Solicit Proposals for Outside Auditing Services Superseding Resolution No. 1226. Under Resolution No. 1307, at the discretion of the Board and upon conclusion of the initial three-year term, the Board may authorize up to two additional one-year renewals with the current firm. In addition, the policy imposed a limit of five consecutive annual audits by the same firm.

At its March 21, 2016 meeting, the Finance Committee reviewed Professional Auditing Services proposals from four firms and directed staff to agendize Financial Auditor Selection at the next Board Meeting.

At its April 14, 2016 meeting, the Board awarded a contract to White Nelson Diehl Evans LLP (WNDE) to perform annual financial audit services for fiscal years ending June 30, 2016, June 30, 2017 and June 30, 2018 with two optional one-year extensions.

At its April 18, 2016 workshop, the Board directed staff to agendize Financial Auditor Selection at a future Board meeting to reconsider the approved motion from the April 14, 2016 meeting.

At its May 19, 2016 meeting, the Board deferred Financial Auditor Selection to a future Finance Committee for further discussion.

At its June 20, 2016 meeting, the Finance Committee approved the scope of work within the existing Professional Auditing Services Request For Proposals, developed a scope of work and budget to conduct a Fraud Audit, and awarded a contract to WNDE to perform annual financial audit services for fiscal years ending June 30, 2016, June 30, 2017 and June 30, 2018 with two optional one-year extensions.



At its June 8, 2017 meeting, the Board adopted Resolution No. 1501 Establishing a Policy for the Selection Process for the Appointment of General Legal Counsel and Independent Auditor, Superseding Resolution No. 1307.

At its April 11, 2019 meeting, the Board approved two additional one-year renewals with WNDE to perform annual financial audit services for the fiscal years ending June 30, 2019 and June 30, 2020.

At its April 8, 2021 meeting, the Board approved a one-year contract extension, due to COVID-19 protocols, to CliftonLarsonAllen (formerly WNDE) to perform annual financial audit services for the fiscal year ending June 30, 2021.

DISCUSSION

CliftonLarsonAllen (CLA), formerly WNDE, has completed the last six annual financial audits and preparation of the Annual Comprehensive Financial Report (ACFR) for fiscal years ending June 30, 2016, June 30, 2017, June 30, 2018, June 30, 2019, June 30, 2020, and June 30, 2021.

According to Resolution No. 1501, the Board requires mandatory audit rotation when the then-present audit firm has completed five consecutive annual financial audits. Due to the ongoing COVID-19 pandemic, the Board made an exception and approved a one-year contract extension to CLA in March 2021.

Mesa Water solicited proposals in December 2021 from ten qualified firms to perform financial audit services for fiscal years ending June 30, 2022, June 30, 2023 and June 30, 2024 with one-year renewal options for each of the two following years.

The following three firms submitted proposals:

- Lance, Soll & Lunghard LLP
- Nigro & Nigro, PC
- Vasquez + Company LLP

Each of the three firms provided a qualified proposal based on the scope of work requirements and indicated extensive background and experience in government audits, accounting and consulting. The selected firm shall possess sufficient resources to ensure that the demands of the District's audit needs will be met on a timely basis. This relationship will be on a contractual basis, as opposed to a staff position.

The recommended process to procure Financial Auditing Services is as follows:

- January 31, 2022 – Proposals will delivered to the Board;
- February 22, 2022 – At its Committee meeting, the Board will review, discuss rankings, and provide direction to staff on which firms will be interviewed; and,
- Week of March 7, 2022 – The Board will conduct interviews and make a final selection.



FINANCIAL IMPACT

In Fiscal Year 2023, \$40,000 will be budgeted for Audit Services in the proposed Fiscal Year 2023 budget.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: January 25, 2022
SUBJECT: Claim of David Graham

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

In mid-November 2021, Mesa Water District (Mesa Water®) staff were fixing an anglestop on Inroz Street, which is perpendicular to Baltra Place. To complete the work, the water was shut off from the mainline valve.

On November 23, 2021, Mr. David Graham filed a claim stating that because of this repair and when the water was turned back on, the water pressure caused his sprinkler valve to blow a gasket.

Mr. Graham purchased a new sprinkler valve from Home Depot and replaced it himself. He is requesting that Mesa Water reimburse him \$28.74.

LEGAL REVIEW

Staff notified the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA) and Legal Counsel, Atkinson, Andelson, Loya, Ruud & Romo (AALRR) of the claim. AALRR advised that under Section 2.5 of the Mesa Water Rules and Regulations, Mesa Water does not, and will not, assume any liability for damages to private property or for personal injury as a result of interruptions in water service or variations in water pressure. Additionally, Mesa Water assumes no responsibility for the maintenance or operations of the customer's water system or facilities beyond the point of ownership.

After consultation with both ACWA/JPIA and AALRR, staff plans to deny the claim of \$28.74 to Mr. Graham.

FINANCIAL IMPACT

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



ATTACHMENTS

Attachment A: Claim Form

Claim Form

(A claim shall be presented by the claimant or by a person acting on his behalf.)

NAME OF DISTRICT:

1 Claimant name, address (mailing address if different), phone number, social security number, e-mail address, and date of birth.
*Effective January 1, 2010, the Medicare Secondary Payer Act (Federal Law) requires the District/Agency to report all claims involving payments for bodily injury and/or medical treatments to Medicare. As such, if you are seeking medical damages, we **MUST** have both your Social Security Number and your date of birth.*

Name: [REDACTED] Phone Number: [REDACTED]
Address(es): [REDACTED] Social Security No.: [REDACTED]
[REDACTED] Date of Birth: [REDACTED]
E-mail: [REDACTED]

2 List name, address, and phone number of any witnesses.

Name: [REDACTED]
Address: [REDACTED]
Phone Number: () [REDACTED]

3 List the date, time, place, and other circumstances of the occurrence or transaction, which gave rise to the claim asserted.

Date: 11/23/2021 Time: 4:30 PM Place: [REDACTED]

Tell What Happened (give complete information):

MESA WATER WAS OUT LAST WEEK TO FIX AN "L" ANGLE ON INROZ STREET (COSTA MESA) PERPENDICULAR TO [REDACTED]. IN ORDER FOR THE FIX, ALL WATER WAS SHUT OFF FROM THE MAIN. WHEN TURNED BACK ON THE WATER PRESSURE CAUSED A SPRINKLER VALVE TO BLOW GASKET.

NOTE: Attach any photographs you may have regarding this claim.

4 Give a general description of the indebtedness, obligation, injury, damage, or loss incurred so far as it may be known at the time of presentation of the claim.

I FIXED THE ISSUE BY PURCHASING A NEW VALVE (SPRINKLER) FROM HOME DEPOT AND INSTALLED IT MYSELF.

5 Give the name or names of the public employee or employees causing the injury, damage, or loss, if known.

6 The amount claimed if it totals less than ten thousand dollars (\$10,000) as of the date of presentation of the claim, including the estimated amount of any prospective injury, damage or loss, insofar as it may be known at the time of the presentation of the claim, together with the basis of computation of the amount claimed. If the amount claimed exceeds ten thousand dollars (\$10,000), no dollar amount shall be included in the claim. However, it shall indicate whether the claim would be a limited civil case.

\$ 28.74

Date: 12/1/2021 Time: 4:30 Signature: [REDACTED]

ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM LEGALLY INSUFFICIENT!



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: January 25, 2022
SUBJECT: Claim of Donna Stocking

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

On November 15, 2021, Mesa Water District (Mesa Water®) staff were performing routine fire hydrant maintenance on Aviemore Terrace.

That same day, Ms. Donna Stocking filed a claim stating that the maintenance caused a change in water pressure, which caused water to flow out of her water softener and flood her garage.

Ms. Stocking purchased and installed a new water softener. She is requesting that Mesa Water reimburse her \$1,299.68, a total which includes the cost of a new water softener and installation.

Mesa Water's staff has consulted with the Engineering and Operations Department and does not believe that the flooding was a result of the routine fire hydrant maintenance or a change in water pressure.

LEGAL REVIEW

Staff notified the Association of California Water Agencies Joint Powers Insurance Authority (ACWA/JPIA) and Legal Counsel, Atkinson, Andelson, Loya, Ruud & Romo (AALRR) of the claim. AALRR advised that under Section 2.5 of the Mesa Water Rules and Regulations, Mesa Water does not, and will not, assume any liability for damages to private property or for personal injury as a result of interruptions in water service or variations in water pressure. Additionally, Mesa Water assumes no responsibility for the maintenance or operations of the customer's water system or facilities beyond the point of ownership.

After consultation with both ACWA/JPIA and AALRR, staff plans to deny the claim of \$1,299.68 to Ms. Stocking.



FINANCIAL IMPACT

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

ATTACHMENTS

Attachment A: Claim Form

Claim Form

(A claim shall be presented by the claimant or by a person acting on his behalf.)

NAME OF DISTRICT: Mesa Water District

1 Claimant name, address (mailing address if different), phone number, social security number, e-mail address, and date of birth.
*Effective January 1, 2010, the Medicare Secondary Payer Act (Federal Law) requires the District/Agency to report all claims involving payments for bodily injury and/or medical treatments to Medicare. As such, if you are seeking medical damages, we **MUST** have both your Social Security Number and your date of birth.*

Name: [REDACTED] Phone Number: [REDACTED]
Address(es): [REDACTED] Social Security No.: [REDACTED]
Date of Birth: [REDACTED]
E-mail: [REDACTED]

2 List name, address, and phone number of any witnesses.

Name: [REDACTED]
Address: [REDACTED]
Phone Number: [REDACTED]

3 List the date, time, place, and other circumstances of the occurrence or transaction, which gave rise to the claim asserted.

Date: 11-15-21 Time: 8-9:00 am Place: [REDACTED]

Tell What Happened (give complete information):

(See attached)

NOTE: Attach any photographs you may have regarding this claim.

4 Give a general description of the indebtedness, obligation, injury, damage, or loss incurred so far as it may be known at the time of presentation of the claim.

5 Give the name or names of the public employee or employees causing the injury, damage, or loss, if known.

No injuries.

6 The amount claimed if it totals less than ten thousand dollars (\$10,000) as of the date of presentation of the claim, including the estimated amount of any prospective injury, damage or loss, insofar as it may be known at the time of the presentation of the claim, together with the basis of computation of the amount claimed. If the amount claimed exceeds ten thousand dollars (\$10,000), no dollar amount shall be included in the claim. However, it shall indicate whether the claim would be a limited civil case.

New Water Softener (Ferguson) + Installation (Jet) 775.-
Total - \$1299.68

Date: 12/08/21 Signature: [REDACTED]

ANSWER ALL QUESTIONS. OMITTING INFORMATION COULD MAKE YOUR CLAIM INVALID.

Mesa Water District Claim – December 8, 2021

Events of November 15, 2021

On this morning, I was working in my home office, when I heard activity out front of my house. It was pretty early, between 8:00 and 9:00 am. I was expecting someone, so I went out front. I saw two young men and a white "city truck" parked just west of my driveway and they were flushing the fire hydrant there. They were there for 10-15 minutes, and I looked out at them and the flood several times.

Then I heard women's voices out front and I got up to look out again. I saw that the truck was gone, but saw a river of water flooding out of my garage on the far west side of my driveway. The women asked me what was going on... There was water everywhere... all over the street and flowing down my driveway!!!

I rushed to my garage to check it out and saw water gushing out of the back of my water softener. I immediately turned off the water main to the house. The main water line to my house happens to be on the west side of my house, directly behind the location of the hydrant on the street.

The ladies went down to my neighbor Bernie's house (a few houses down) and told him about my flood. Bernie came down to and we looked at the back of the water softener. We saw that one of the plastic fittings was broken and that's where the water was gushing out.

Bernie is a retired fireman and he told me that the water to the hydrant was probably turned off too quickly which caused the water pressure to my house to surge and the surge blew out the part on my water softener. He said that after a flush, the water at the hydrant needs to be turned down VERY SLOWLY.

Given the timing of my water softener "accident" occurring so close to the water flush at the hydrant, I can't believe that the 2 events are unrelated.

I also had a water systems guy come to give me an estimate on a new softener and he told me the same thing. He recommended that I install a pressure control on my water main. I haven't done that yet, but think it might be a good idea.

I ended up using a local plumber for the repairs and he said the same thing. The receipts for the unit and installation are attached.

If you have any other questions, do not hesitate to call me. Thank-you,

████████████████████

There are no support materials for this item.