



*Dedicated to
Satisfying our Community's
Water Needs*

**AGENDA
MESA WATER DISTRICT
BOARD OF DIRECTORS
Tuesday, October 26, 2021
1965 Placentia Avenue, Costa Mesa, CA 92627
3:30 p.m. Adjourned Regular Board Meeting**

BOARD OF DIRECTORS COMMITTEE MEETING

CALL TO ORDER

PLEDGE OF ALLEGIANCE

WATER PROFESSIONALS APPRECIATION WEEK VIDEOS

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.
11. Approve support for the proposed updates to the California Special Districts Association bylaws, and authorize President Marice H. DePasquale to cast the District's ballot.



PRESENTATION AND DISCUSSION ITEMS:

12. SAN DIEGO CITY EMPLOYEES' RETIREMENT SYSTEM:

Recommendation: Receive the presentation.

13. WATER RATE STUDY:

Recommendation: Receive the presentation.

14. RESERVOIRS 1 AND 2 PUMP STATION UPGRADES PROJECT:

Recommendation: Receive the presentation.

15. MUNICIPAL WATER DISTRICT OF ORANGE COUNTY MEMBER-AGENCY FACILITATED DISCUSSIONS/STAKEHOLDER INTERVIEWS:

Recommendation: This item is provided for discussion.

ACTION ITEMS:

16. SCADA CONTROL ROOM AND WET LAB UPGRADE PROJECT:

Recommendation: Award a contract to Hamel Contracting, Inc. for \$4,053,008 and a 10% contingency of \$405,301 for a total contract amount not to exceed \$4,458,309 to provide construction for the SCADA Control Room and Wet Lab Upgrade Project, and authorize the General Manager to execute the contract.

REPORTS:

17. REPORT OF THE GENERAL MANAGER

18. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

19. TRAVEL AND BUSINESS EXPENSE REIMBURSEMENT POLICY

20. CUSTOMER WATER ARREARAGE ASSISTANCE

21. OTHER (NO ENCLOSURE)



CLOSED SESSION:

22. CONFERENCE WITH LABOR NEGOTIATOR PURSUANT TO GOVERNMENT CODE 54957.6:
District Negotiator: General Manager
Employee Organization: District Employees

In compliance with California law and the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services in order to participate in the meeting, or if you need the agenda provided in an alternative format, please call the District Secretary at (949) 631-1205. Notification 48 hours prior to the meeting will enable Mesa Water District (Mesa Water®) to make reasonable arrangements to accommodate your requests.

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

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

ADJOURN TO AN ADJOURNED REGULAR BOARD MEETING SCHEDULED FOR TUESDAY, NOVEMBER 9, 2021 AT 3:30 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.
C0014-21-01	1170 Baker Street, Units C and D	Commercial Building	Plans received on 7/15/20 and plan check fees paid on 7/20/20. Redlines returned on 7/23/20. 2nd Plan check submitted 8/13/20 and redlines returned on 8/14/20. 3rd Plan check submitted 8/31/20 and returned on 9/6/20. Permit issued on 10/23/20. Waiting for Contractor to call for Inspection. (10/15/21)
C0070-21-01	2950 Harbor Blvd. (Fast5Xpress Car Wash)	Commercial Building	Plans received and plan check fees paid on 6/2/21. 1st Plan Check submitted on 6/2/21 and returned on 6/4/21. 2nd Plan check submitted on 6/24/21 and returned on 6/25/21. Permit issued on 8/3/21. Waiting for Contractor to call for Inspection. (10/15/21)
C0071-20-01	2277 Harbor Boulevard	Apartment Complex	Plans received and plan check fees paid on 3/17/20 and redlines returned on 3/26/20. 2nd Plan check received on 3/31/20. 2nd plan check submitted on 4/5/20 and redlines returned on 4/8/20. Received quitclaim exemption on 10/9/20. Permit issued on 12/22/20. Precon held on 4/22/21. Future hydrant placement inspected on 5/13/21. Hot Tapping inspected on 6/23/21. Second Precon with new Contractor held on 7/14/21. Shutdown for Abandonment completed on 8/10/21. Pressure test and thrustblock placement on 10/11/21. Chlorination swab and a number of Florthru tests performed on 10/13/21.
C0092-19-01	2089 Harbor Blvd. (Harbor and Hamilton)	28 New Townhomes	Plans received and plan check fees paid on 4/23/19. 1st plan check submitted 4/23/19 and redlines to be picked up on 5/6/19. 2nd plan check submitted on 6/11/19 and redlines picked up on 6/18/19. 3rd Plan Check submitted on 11/25/19 and redlines returned to customer on 11/27/19. 4th Plan Check submitted on 2/4/20 and redlines emailed to customer on 2/12/20. Permit issued 6/6/20. Precon meeting held on 6/25/20. Hot taps done on 10/9/20, 10/12/20, 10/13/20. 29 Meters installed on 10/15/20. Shutdown to tie in the fireline on 10/15/20. Two Backflows tested on 10/23/20. Abandonment completed on 10/28/20. Meter install on 11/2/20. Service abandonments performed on 1/7/21. Flow tests performed on two buildings on 3/18/21. 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.

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PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0102-20-02	3550 Cadillac Avenue	Commercial	Plans received and plan check fees paid on 11/25/19. 1st Plan check submitted 11/25/19 and redlines emailed on 12/4/19. Issued plan check application termination to Owner due to non-responsiveness to complete plan check process. 2nd Plan check submitted on 7/2/20 and returned on 7/5/20. 3rd Plan check submitted on 7/25/21 and returned on 7/31/21. 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.
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. Waiting for Contractor to call for Inspection. (10/15/21)
C0120-20-01	934 Congress Street	Single Family Home	Plans received and plan check fees paid on 10/28/19. 1st Plan check submitted 10/28/19 and redlines picked up on 11/5/19. 2nd Plan check submitted on 3/11/20, and redlines emailed to customer on 3/18/20. 3rd Plan check submitted on 3/24/20 and redlines emailed to customer on 3/26/20. Customer put project on hold on 3/27/20. Verified construction has started on 5/7/20. Issued water termination letter to Owner on 5/29/20 due to non-responsiveness to complete plan check process. Sent a letter to resume Plan Check as Fire Marshall informed Mesa Water District the residence construction continued without a permit on 5/2/21. (10/10/21)
C0137-20-01	3001 Murray Lane	Single Family Home	Plans received and plan check fees paid on 2/28/20. 1st Plan check submitted on 2/28/20 and redlines returned on 3/9/20. 2nd submittal submitted on 9/30/20 and returned on 10/11/20. 3rd Plan check submitted on 4/30/21 and returned on 5/2/21. 3rd Plan check submitted on 5/2/21 and returned on 5/2/21. Permit issued on 10/5/21.

DEVELOPER PROJECT STATUS REPORT

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0140-20-01	2163 National Avenue	Single Family Home	Plans received and plan check fees paid on 3/4/20. 1st Plan check submitted on 3/4/20 and redlines returned on 3/13/20. 2nd Plan check submitted on 3/18/21 and redlines returned on 3/19/21. 2nd Plan check submitted on 6/25/21 and returned on 6/25/21. 3rd Plan check submitted on 7/28/21 and returned on 7/30/21. Permit issued on 8/16/21. Precon held on 9/22/21. Services installed on 9/29/21. Shutdown for Abandonment completed and meter upgraded and locked off on 9/30/21.
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. Waiting for Contractor to call for next Inspection. (10/15/21)
C0148-20-01	2094 Balmoral Place	Single Family Home	Application for New Service received on 5/15/20. 1st Plan check submitted on 6/15/20 and redlines returned on 6/21/20. Plan check fees paid on 7/3/20. Awaiting response from customer on status. Site visit to check construction progress on 3/16/21 and home is still being built. (10/10/21)
C0150-20-02	165 Merrill Place	Single Family Home	Plans received on 7/3/20 and plan check fees paid on 6/25/20. 1st Plan check submitted on 6/25/20 and redlines returned on 7/5/20. Rescinded permit on 9/16/20. 2nd Plan check submitted 9/28/20 and returned on 9/29/20. Issued permit on 10/27/20. Precon held on 3/17/21. Waiting for Contractor to call for next inspection. (10/15/21)
C0152-21-01	369 Costa Mesa Street	Single Family Home	Plans received on 7/21/20 and plan check fees paid on 7/15/20. 1st Plan check submitted on 7/22/20 and redlines returned on 7/22/20. 2nd Plan check submitted on 8/6/21 and returned on 8/13/21. (10/15/21)
C0158-21-01	396 E. 21st Street	Mobile Home Park	Plan check fees paid on 8/13/20 and Application for New Service submitted on 8/7/20. 1st Plan check submitted on 7/30/20 and returned on 8/15/20. 2nd Plan check submitted on 9/2/20 was rejected. Revised 2nd Plan check submitted on 9/10/20 and returned on 9/12/20. Issued permit on 10/27/20. Waiting for Precon inspection request anticipated in May 2021. Precon held on 5/27/21. Waiting for Contractor to call for next inspection. (10/15/21)

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PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0160-21-01	272 Rose Lane	Single Family Home	Plan check fees paid and Application for New Service submitted on 8/24/20. 1st Plan check submitted on 8/24/20 and returned on 8/30/20. 2nd Plan check submitted on 8/31/20 and returned on 9/6/20. Issued permit on 9/30/20. Precon held on 4/20/21. Waiting for Contractor to call for inspection. (10/15/21)
C0164-21-01	282 E. 18th Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/3/20. 1st Plan check submitted on 8/31/20 and returned on 9/6/20. Issued permit on 9/30/20. Waiting for Contractor to call for inspection. (10/15/21)
C0165-21-01	2110 Monrovia Avenue	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/3/20. 1st Plan check submitted on 9/2/20 and returned on 9/6/20. Issued permit on 9/17/20. Waiting for Contractor to call for inspection. (10/15/21)
C0169-21-01	785 Center Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/14/20. 1st Plan check submitted on 9/14/20 and returned on 9/18/20. 2nd Plan check submitted on 9/24/20 and returned on 9/25/20. Issued permit on 10/5/20. Site presurvey completed on 12/28/20. Waiting for Contractor to call for inspection. (10/15/21)
C0176-21-01	752-756 W. 19th Street	Mix Use	Application for New Service and plan Check Fees submitted on 12/21/20. 1st Plan check submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted 1/25/21 and returned on 2/2/21. 3rd Plan check submitted on 2/15 and returned on 2/15/21. (10/15/21)
C0177-21-01	2141 Orange Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted on 12/24/20 and returned on 12/24/20. Issued permit on 1/5/21. Waiting for Contractor to call for inspection. (10/15/21)
C0179-21-01	2183 and 2185 Tustin Avenue	Two Single Family Home	Application for New Service and Plan Check Fee submitted on 12/21/20. 1st Plan check submitted on 12/21/20 and returned on 12/23/20. 2nd Plan check submitted on 1/26/21 and returned on 2/2/21. Permit issued on 5/4/21. Precon held on 5/12/21. Building services, hot-tapping, and backfill completed on 6/14/21. Meter installed on 6/17/21. Waiting for Contractor to call for next inspection. (10/15/21)

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
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. (10/15/21)
C0182-21-01	1850 Paros Circle	Single Family Home	Application for New Service submitted on 01/28/21 and Plan Check Fee received on 01/26/21. 1st Plan check submitted on 01/28/21 and redlines returned on 2/2/21. 2nd Plan check submitted on 2/4/21 and returned on 2/7/21. Permit issued 3/5/2021. Precon meeting held on 9/14/21.
C0183-21-01	148 E. 22nd Street	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.
C0184-21-01	238 Flower Street	Single Family Home	Application for New Service submitted on 02/2/21 and Plan Check Fee received on 02/01/21. 1st Plan check submitted on 02/16/21 and redlines returned on 2/20/21. 2nd Plan Check submitted on 2/25/21 and returned on 2/28/21. Issued permit on 3/5/21. Waiting for Contractor to call for inspection. (10/15/21)
C0185-21-01	125 and 127 Cabrillo Street	Commercial Property	Application for New Service submitted on 02/16/21 and Plan Check Fee received on 02/20/21. 1st Plan check submitted on 2/25/21 and returned on 2/28/21. 2nd Plan check submitted on 3/12/21 and returned on 3/14/21. Permit issued on 7/12/21. Waiting for Contractor to call for inspection. (10/15/21)
C0186-21-01	2033 Lemnos Drive	Single Family Home	Application for New Service submitted on 02/27/21 and Plan Check Fee received on 02/26/21. 1st Plan check submitted on 2/26/21 and returned on 2/28/21. Issued permit on 3/17/21. Precon meeting held on 5/25/21. Trench excavations inspected on 5/26/21. Waiting for Contractor to call for next inspection. (10/15/21)
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. (10/15/21)

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
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. (10/10/21)
C0189-21-01	975 West 18th Street	Commercial Property	Application for New Service submitted on 03/04/21 and Plan Check Fee received on 03/04/21. 1st Plan check submitted on 3/4/21 and returned on 3/5/21. Inspector visited jobsite to check status with nothing new to report on 3/9/21. 2nd Plan check submitted on 3/18/21 and returned on 3/19/21. 3rd Plan check submitted on 6/13/21 and returned on 6/13/21. 4th Plan Check submitted on 7/29/21 and returned on 7/30/21. Permit issued on 9/1/21. Precon meeting held on 9/9/21. Meter installed and locked off on 9/16/21. Chlorination flush completed on 9/22/21.
C0191-21-01	1939 Continental Place	Single Family Home	Application for New Service submitted and Plan Check Fee received on 4/8/21. 1st Plan check submitted on 4/8/21 and returned on 4/9/21. 2nd Plan check submitted on 4/16/21 and returned on 4/17/21. Issued permit on 6/11/21. Waiting for Contractor to call for inspection. (10/15/21)
C0192-21-01	1750 Santa Ana Avenue	Single Family Home	Application for New Service submitted on 4/16/21 and Plan Check Fee received on 4/17/21. 1st Plan check submitted on 5/3/21 and returned on 5/3/21. 2nd Plan check submitted on 6/2/21 and returned on 6/4/21. A 6-month delay will occur due to a SCE permit issue. (10/15/21)
C0193-21-01	908 Magellan Street	Single Family Home	Application for New Service submitted on 4/19/21 and Plan Check Fee received on 4/19/21. 1st Plan check submitted on 4/19/21 and returned on 5/3/21. 2nd Plan check submitted on 10/5/21 and returned on 10/5/21.
C0194-21-01	981 Presidio Drive	Single Family Home	Application for New Service submitted on 4/20/21 and Plan Check Fee received on 4/20/21. 1st Plan check submitted on 9/7/21 and returned on 9/8/21. 2nd Plan check submitted on 10/8/21 and returned on 10/10/21.
C0195-21-01	2247 Donnie Road	Single Family Home	Application for New Service submitted on 4/22/21 and Plan Check Fee received on 6/27/21. 1st Plan check submitted on 6/24/21 and returned on 6/25/21. 2nd Plan check submitted on 6/24/21 and returned on 6/25/21. Permit issued 7/9/21. Precon held on 7/14/21. (10/15/21)

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0198-21-01	257 Knox Place	Single Family Home	Application for New Service submitted on 5/7/21 and Plan Check Fee received on 5/7/21. 1st Plan check submitted on 5/8/21 and returned on 5/9/21. 2nd Plan check submitted on 5/16/21 and returned on 5/17/21. Issued Permit on 6/4/21. Waiting for Contractor to call for inspection. (10/15/21)
C0200-21-01	289 E. 17th Street (Target)	Commercial Property	Application for New Service submitted on 5/12/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/12/21. 2nd Plan check submitted on 5/28/21 and returned on 6/3/21. Issued permit on 6/14/21. Waiting for Contractor to call for inspection. (10/15/21)
C0201-21-01	3370 Harbor Blvd. (The Press)	Commercial Property	Application for New Service submitted on 5/12/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/12/21 and returned on 6/6/21. 2nd Plan check submitted on 6/22/21 and returned on 6/25/21. 3rd Plan Check submitted on 8/10/21 and returned on 8/13/21. (10/15/21)
C0202-21-01	1910 Federal Ave	Single Family Home	Application for New Service submitted on 5/18/21 and Plan Check Fee submitted on 5/18/21. 1st Plan check submitted on 5/25/21 and returned on 6/3/21. 2nd Plan check submitted on 8/30/21 and returned on 8/30/21. 3rd Plan check submitted on 8/31/21 and returned on 9/1/21. (10/15/21)
C0203-21-01	762 Center Street	Single Family Home	Application for New Service submitted on 4/14/21 and Plan Check Fee submitted on 5/26/21. 1st Plan check submitted on 5/26/21 and returned on 6/4/21. (10/15/21)
C0204-21-01	3106 Fernheath Lane	Single Family Home	Application for New Service submitted on 6/2/21 and Plan Check Fee submitted on 6/2/21. 1st Plan check submitted on 6/2/21 and returned on 6/4/21. 2nd Plan check submitted on 6/22/21 and returned on 6/25/21. 3rd Plan check submitted on 6/30/21 and returned on 7/1/21. Permit issued on 9/1/21. Waiting for Contractor to call for Inspection. (10/15/21)
C0205-21-01	200 E. 20th Street	Single Family Home	Application for New Service submitted on 5/26/21 and Plan Check Fee submitted on 6/2/21. 1st Plan check submitted on 5/26/21 and returned on 6/4/21. 2nd Plan check submitted on 7/12/21 and returned on 7/12/21. 3rd Plan check submitted on 9/24/21 and returned on 9/25/21.

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0206-21-01	2168 Placentia Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 6/11/21. 1st Plan check submitted on 6/11/21 and returned on 6/13/21. 2nd Plan check submitted on 6/23/21 and returned on 6/25/21. 3rd Plan Check submitted on 6/28/21 and returned on 6/28/21. Permit issued on 8/13/21. Precon held on 8/16/21. Waiting for Contractor to call for next Inspection. (10/15/21)
C0207-22-01	3078 Roanoke Lane	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/6/21. 1st Plan check submitted on 7/6/21 and returned on 7/9/21. (10/15/21)
C0208-22-01	1951 Rosemary Place	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/7/21. 1st Plan check submitted on 7/7/21 and returned on 7/9/21. 2nd Plan check submitted on 7/15/21 and returned on 7/15/21. Permit issued on 8/13/21. Waiting for Contractor to call for Inspection. (10/15/21)
C0209-22-01	379 E. 19th Street	Single Family Home	Application for New Service submitted on 7/13/21. 1st Plan check submitted on 7/13/21 and returned on 7/16/21. 2nd Plan check submitted 7/21/21 and returned on 7/21/21. Permit issued on 8/13/21. Waiting for Contractor to call for Inspection. (10/15/21)
C0210-22-01	1730 Bonaire Way	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/21/21. 1st Plan check submitted on 8/3/21 and returned on 8/13/21. 2nd Plan Check submitted on 8/27/21 and returned on 8/27/21. (10/15/21)
C0211-22-01	274 Cecil Pl.	Single Family Home	Waiting for Application for New Service. Plan Check Fee submitted on 7/21/21. 1st Plan check submitted on 7/22/21 and returned on 7/30/21. 2nd Plan check submitted on 10/14/21 and returned on 10/15/21.
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. (10/15/21)
C0213-22-01	366 Esther Avenue	Single Family Home	Application for New Service and Plan Check Fee submitted on 7/6/21. 1st Plan check submitted on 7/6/21 and returned on 7/9/21. 2nd Plan check submitted on 8/19/21 and returned on 8/20/21. (10/15/21)
C0214-22-01	366 Ralcam Place	Single Family Home	Application for New Service submitted on 7/22/21 and Plan Check Fee submitted on 7/29/21. 1st Plan check submitted on 8/2/21 and returned on 8/2/21. 2nd Plan check submitted on 9/7/21 and returned on 9/8/21.

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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.
C0216-22-01	2750 Harbor Blvd	Commercial Property	Application for New Service submitted on 8/17/21 and waiting for Plan Check Fee. 1st Plan check submitted on 8/17/21 and returned on 8/20/21. 2nd Plan check submitted on 8/20/21 and returned on 9/7/21.
C0217-22-01	1921 & 1923 Church Street	Two (2) Single Family Homes	Application for New Service submitted on 8/22/21 and waiting for Plan Check Fee. 1st Plan check submitted on 8/21/21. (10/15/21)
C0218-22-01	402 E. 19th Street	Single Family Home	Application for New Service and Plan Check Fee submitted on 8/25/21. 1st Plan check submitted on 9/26/21 and returned on 9/27/21. 2nd Plan check submitted on 9/30/21 and returned on 9/30/21. Permit issued on 10/5/21. Precon held on 10/6/21. Meter upgraded and Flowthru test completed on 10/7/21 to finish the project.
C0220-22-01	3109 Lincoln Way	Single Family Home	Application for New Service and Plan Check Fee submitted on 9/8/21. 1st Plan check submitted on 9/8/21 and returned on 9/8/21. 2nd Plan check submitted on 9/8/21 and returned on 9/14/21.
C0221-22-01	1370 Adams Avenue	Coast Community College District	Application for New Service submitted on 9/9/21. No Plan Check Fee will be submitted. 1st Plan check submitted on 9/9/21 and returned on 9/10/21.
C0222-22-01	257 Flower Street	Single Family Home	Application for New Service submitted on 9/9/21. and Plan Check Fee submitted on 9/14/21. 1st Plan check submitted on 10/11/21 and returned on 10/11/21.
C0223-22-01	2425 Windward Lane	Single Family Home	Application for New Service submitted on 9/9/21. and Plan Check Fee submitted on 9/14/21. Waiting for 1st Plan check submittal. (10/10/21)
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.
C0225-22-01	3103 Samoa Place	Single Family Home	Application for New Service submitted on 9/22/21 and Plan Check Fee submitted on 9/28/21. 1st Plan check submittal on 10/4/21 and returned on 10/9/21. 2nd Plan check submitted on 10/11/21 and returned on 10/11/21.
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 submittal on 9/21/21. (10/15/21)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
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.
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 on 10/15/21.
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 10/09/21.
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 10/09/21.
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.

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2021

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

File No.: M 2034

Description: Evaluate potential repair and replacement options.

Status: Request for Bids sent out to contractors on February 6, 2019. Six bids received on 3/6/19. E&O Committee recommended award of the contract to lowest bidder (E.J. Meyer Company) on 3/19/19. Kick-off meeting held on 4/25/2019. Reviewed submittals. Met with SARWQB on 5/24/19 and discussed permit requirements w/ Susan Beeson. On 5/30/19 met with OCSD and went over requirements for the Special Purpose Discharge Permit (SPDP). Project Progress meeting on 6/6/19 and coordination meeting with MWD on 6/20/19. Held Permit Status Meeting on 7/11/2019, Traffic Coordination Meeting with Fletcher Jones on 7/23/2019 and Project Progress Meeting on 7/23/2019. Submitted Application Package to OCSD for SPDP on 7/31/2019. Received Special Purpose Discharge Permit from OCSD on 9/1/2019. Coordination meeting with Fletcher Jones and Project Progress Meeting held on 9/11/19. Contractor mobilized on 9/15/19 and started dewatering efforts. Project is substantially complete and line is ready for use. Native planting is complete and the contractor is providing maintenance of planted vegetation. The post-construction walk-through meeting held on 4/30/20. Planting Establishment and 120-day Maintenance Period completed on 7/2/20. The final inspection and walk-through meeting held on 7/23/20. Planting Establishment and Maintenance Report submitted to the regulatory agencies on September 29, 2020. Non-native plant herbiciding performed on 11/14/20, 5/4/21, and 9/11/21. (10/14/21)

Project Title: Pipeline Testing Program

File No.: MC 2141

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

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

October 2021

detection and could not replicate the suspected leak. Thirteen (13) AC pipe samples collected by staff during valve replacements and break responses we sent for wall thickness measurement, EDS testing, and remaining useful life estimates. Wall thickness lab reports were received and useful life estimate report is expected on February 24, 2021. MWDOC staff performed 30 miles of leak detection for main lines and service laterals in January 2021. A report of their findings found no mainline leaks. 30 additional miles of leak detection was received on March 22, 2021. No mainline leaks were reported. A status report of the Pipeline Integrity Program was presented at the September 28th, 2021 Committee meeting. (10/18/21)

Project Title: Chandler & Croddy Wells and Pipeline Project

File No.: M18-113

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

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

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

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

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

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

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2021

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. (10/18/21)

Project Title: Meter Technology Evaluation

File No.: MC 2248

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

Status: A request for bids was sent out to on-call contractors for the installation of the Route 600 Meter Technology Pilot Project Meters. Bids from the on-call contractors were received on October 15, 2020 and reviewed by staff. W.A. Rasic was selected from the bids received. The preconstruction meeting was held on 11/12/2020. Kickoff meeting with Contractor was held on November 12, 2020. The official notice to proceed was issued on 11/30/20. The contractor began their field investigation of the Route 600 meters the week of 11/30/20. The contractor has substantially completed replacing meters and installing the cellular endpoints. To date, approximately 230 endpoints have been installed and 100 meters replaced. In July 2021, the contractor received materials to replace nine vault lids. The nine vault lids were replaced in August 2021. The contractor substantially completed the project in August 2021. Minor punchlist items are being completed in October 2021. (10/15/21)

Project Title: District-Wide Security System

File No.: M20-600

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

Status: The District-Wide security system is among the first new projects to be awarded as part of the Capital Improvement Program Renewal (CIPR). The draft scope of work was developed and sent for consultant review on June 16, 2020. Consultant comments were received on June 23, 2020. The final Request for Task Order proposal was issued on July 21, 2020. Three proposals were received on August 3, 2020 and evaluated. A Task Order authorization was issued to HDR. Kickoff and site visits were conducted on August 25-27, 2020. The consultant is conducting the evaluation. The draft white paper was received on October 12, 2020, and was reviewed by staff. The revised white paper was received on November 9, 2020, and was being reviewed by staff. A meeting was held on November 18, 2020, to discuss the options. A revised white paper was received on December 4, 2020, and was reviewed by staff. The decision for cellular communications was made on July 7, 2021. Staff will reconsider the implementation using cellular communications. (10/18/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2021

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 MWRFF spare parts storage building (located at the MWRFF) and wells spare parts storage building (located at Well 9 or other well site) as part of the design services. Board approved this item at its 4/9/2020 Board Meeting. The pre-design kick-off meeting was held on 4/27/20. Conceptual design reviewed on 6/10/20 and preliminary cost estimate discussed on 7/9/2020. At the August 25, 2020 Committee Meeting the Mesa Water® Education Center building concept was approved by the Board. Additionally, a contract was awarded to Mad Systems for the exhibit design. On September 17, 2020 a final design kick-off meeting was held with the architect and exhibit design teams. On October 6, 2020, the Mesa Water team toured the Albert Robles Center for Water Recycling and Environmental Learning with Mad Systems. On October 15, 2020 the design team held a site visit at the MWRFF 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 MWRFF 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 MWRFF in service are being finalized. The delivery and setup of the temporary facilities are anticipated to begin in July 2021. Mesa Water received proposals for construction management services for the project in early June 2021. A construction manager was selected in June 2021 and they have begun reviewing construction documents. The Draft 100% Construction Documents were submitted on July 29, 2021. Staff reviewed the submittal and provided comments. The revised Construction Documents were submitted on Sep 10, 2021. The Request for Proposals for construction was sent out on Sep 13, 2021. The bid opening date is on October 15, 2021. Two pre-bid meetings were held on 9/23/21 and 10/5/21 and three Addendums were issued to the bidders. Construction is expected to start in December 2021. (10/14/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2021

Project Title: Wilson Street Pipeline Replacement Project

File No.: M21-220A

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

Status: Scope of Work and Request for Quotes for the design, documentation, and permitting for the Wilson Avenue Pipeline Replacement Project was prepared and sent to the design consultants on 7/13/2020. Received five proposals on 8/27/20. Water Systems Consultants, Inc (WSC) selected to prepare the design. Kick-off meeting held on 8/13/2020. Technical Memorandum No. 1 providing alternative pipeline layout submitted for review on 10/12/20. 50% Design package submitted for review on 12/23/20. The comments to the submittal were analyzed and discussed on 2/8/21. The consultant completed the 90% Design Submittal on 3/9/21. Request for Bids sent out to contractors on 3/30/21. Eight bids received on 4/28/21. JA Salazar submitted the lowest bid. The Board authorized execution of a construction contract with JA Salazar at the May 13, 2021 Board meeting. The Contract with JA Salazar was executed on 6/10/21. The pre-construction meeting for the project was held on 6/24/21. The contractor has begun the submittal and procurement process and construction is scheduled to begin in early August 2021 with potholing and field investigation. The pre-construction meeting with City of Costa Mesa held on 8/12/21. The contractor started potholing on 8/16/21. The contractor submitted the results of the potholing to the engineering team. The potholing data is currently under review and minor adjustments to the pipeline alignment are being design and coordinated with the construction team. The installation of the mainline is scheduled to start on October 19, 2021. (10/14/21)

Project Title: 1951 Cohort Pipeline Replacement Project

File No.: M21-220A

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

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

Scope of Work and Request for Proposals for providing design services for the 1951 Cohort Pipeline Replacement sent out to As-Needed Consultants on 12/1/20. Two proposals received on 12/15/20. Tetra Tech was selected to prepare the design. The project kick-off meeting was held on 2/2/21. The Consultant delivered Technical Memorandum No. 1 – Alignment Options and Recommendations on 7/9/21 and the Preliminary Design Report 7/21/21. Mesa Water Staff has reviewed Technical Memorandum No. 1 and the Preliminary Design Report. The project's 50% Design Submittal is currently in progress. (10/14/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2021

Project Title: Mainline Valve Replacement Project Phases I through IV

File No.: M21-220C

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

Status: At the October 8, 2020 Board Meeting the Mainline Valve Spacing Policy was approved by the Board. A Scope of Work and Request for Quote for the design, documentation, and permitting for the Mainline Valve Replacement Project was prepared and was sent to on-call design consultants the week of October 19, 2020. Received four proposals on 11/3/20. Tetra Tech was selected to prepare the final design. The project Kick-off meeting was held on 1/12/21. The Consultant developed the project's permit plan. The 50% Design Submittal was delivered for review on 5/10/21. Mesa Water Staff has completed testing shutdowns required for the Phase 1 and 2 valve replacement. The Consultant submitted the 90% Design Submittal for Phase 1 on 10/8/21. Staff is currently reviewing the Phase 1 90% Design Submittal. (10/14/21)

Project Title: Reservoirs 1 and 2 Pump Station Upgrades Project

File No.: M21-210B2

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

Status: Following the approval of the recommendations of the Water, Power, and Supply Chain Reliability Assessment, Mesa Water developed a design scope of work for the Reservoirs 1 and 2 Upgrades Project. A proposal was solicited from a CIPR on-call design consultant and the project's Preliminary and Final Design kicked off in May 2021. A site visit for the project was held with the consultant on 5/17/21. The project team performed a 3-D scan of Reservoir 1 the week of June 7th and Reservoir 2 the week of June 14th. The consultant delivered a draft version of Technical Memorandum No.1 – Reservoir 1 Site Master Plan and the draft Permit Plan on 7/16/21. Following Mesa Water's review of TM1 and the Permit Plan, the consultant began work on the Preliminary Design Report. The Preliminary Design Report was delivered on 9/7/21 and the Preliminary Design Report Workshop was held on 9/15/21. The design team is currently working toward the 60% Design Submittal. (10/15/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
October 2021

Project Title: Excavation Slurry Dewatering Pit Project

File No.: M21-250D

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

Status: A Scope of Work and Request for Quote for the design, documentation, and permitting for the Excavation Slurry Dewatering Pit Project was prepared and sent to on-call design consultants the week of October 19, 2020. The task order and notice to proceed are being developed by the Mesa Water team for the selected consultant. The kick-off meeting and site visit were held on 11/30/20. The project team held a progress meeting on 12/23/2020 and the draft report is currently in progress. The Draft memo was submitted for review on 2/3/21 and is currently being reviewed by Mesa Water Staff. Mesa Water Staff has provided direction and the design of the Dewatering Pit is included in the scope of work for the Reservoirs 1 and 2 Pump Station Upgrades Project. The Final Technical Memorandum was submitted for review on 6/10/2021. The Dewatering Pit will be designed and constructed as part of the Reservoirs 1 and 2 Pump Station Upgrades Project. (10/14/21)

Project Title: Vault Rehabilitation and Abandonment

File No.: M21-220B

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

Status: NV-5 was selected as the design consultant. Project kickoff was held on September 30, 2020. Site visits for all of the vaults were conducted in October 2020. A preliminary design report was received in November 2020 and review by staff. The current project includes abandoning three vaults on OC-44 and three unused pressure relief stations, and replacing the Bonita Creek Park Arterial Valve on OC-44. Rehabilitation of the interties is on hold pending decisions on the need for the three interties, and will be completed in a future capital program. A CEQA evaluation of the project recommended filing a Categorical Exemption from CEQA. The Categorical Exemption was received on July 2, 2021, and filed with the County of Orange on September 3, 2021. 90% Plans and Specifications were received on July 7, 2021, and were reviewed by staff. The City of Huntington Beach asked that all work requiring an OC-44 shutdown be complete prior to December 2021 due to a planned outage of another import source. The project was put out to bid on August 27, 2021. Four bids were received on September 15, 2021. The construction contract award was awarded at the September 28, 2021 Committee meeting. Notice to Proceed to the selected contractor was provided on October 14, 2021. (10/18/21)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT
October 2021

Project Title: Operational IT Infrastructure Security Project

File No.: M21-250F

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

Status: The project kick-off meeting was held on 5/17/2021. The 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. (10/15/21)

Water Quality Call Report

September 2021

Date: 9/20/2021
Source: Phone
Address: 2210 Pacific Avenue, E1
Description: Customer inquired about total dissolved solids (TDS) levels for a new reverse osmosis unit she plans to purchase.
Outcome: Provided customer with the range and average TDS levels for Mesa Water sources.

Water Operations Status Report
July 1, 2021 - September 30, 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	46	47	880	937	\$18,623	\$20,712
WD-0102 - HYDRANT PAINTING	HYDRANTS	10	3	15	7	\$3,765	\$1,325
WD-0103 - HYDRANT REPAIR	HYDRANTS	31	35	625	744	\$13,936	\$15,540
Program 01 TOTAL		88	84			\$36,324	\$37,577
02 - VALVES							
WD-0201 - DISTRIBUTION VALVE MAINTENANCE	VALVES	4	2	25	16	\$19,643	\$6,048
WD-0202 - NIGHT VALVE MAINTENANCE	VALVES	6	0	82	0	\$3,004	\$0
Program 02 TOTAL		11	2			\$22,647	\$6,048
03 - METERS							
CS-0301 - NEW METER INSTALLATION	METERS	4	2	25	16	\$19,643	\$6,048
CS-0302 - RAISE REPLACE METER BOX	BOXES	2	2	20	5	\$875	\$743
CS-0303 - METER LEAK INVESTIGATION/REPAIR	INV/REP	3	3	50	34	\$1,347	\$1,309
CS-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	10	19	25	56	\$6,136	\$7,406
CS-0306 - LARGE METER TEST/REPAIR - C	TESTS	6	4	29	31	\$2,364	\$1,381
WD-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	7	0	14	0	\$4,320	\$0
Program 03 TOTAL		32	29			\$34,685	\$16,887
04 - MAIN LINES							
WD-0401 - MAIN LINE REPAIR	REPAIRS	26	19	5	3	\$15,861	\$10,748
WD-0402 - AIR VAC MAINTENANCE/REPAIR	REPAIRS	7	7	41	93	\$2,729	\$3,034
Program 04 TOTAL		33	26			\$18,590	\$13,782
05 - SERVICE LINES							
WD-0501 - SERVICE LINE REPAIR	REPAIRS	15	23	6	5	\$7,642	\$12,054
Program 05 TOTAL		15	23			\$7,642	\$12,054
06 - CAPITAL							
CAP FH - CAPITAL HYDRANT UPGRADE	HYDRANTS	43	120	7	16	\$42,325	\$85,823
CAP MV - CAPITAL MAINLINE VALVE REPLACE	VALVES	37	13	7	2	\$29,562	\$8,043
CAP SL - CAPITAL SERVICE LINE REPLACE	SERVICES	10	0	3	0	\$6,349	\$0
CAP SS - CAPITAL SAMPLE STATION REPLACE	STATIONS	0	0	0	0	\$0	\$0
CAP LM - CAPITAL LARGE METERS	METERS	2	0	12	0	\$5,154	\$21
CAP SM - CAPITAL SMALL METERS	METERS	4	4	65	31	\$6,301	\$4,619
CIPR- ENGINEERING WORK	HOURS	141	84	1198	755	\$58,680	\$35,464
Program 06 TOTAL		238	221			\$148,371	\$133,970
TOTAL						\$268,259	\$220,318

Payment Listing by Class

9/1/2021 - 9/30/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
MILLENNIUM TRUST LLC	000004517	09/09/21	C0081-19-01	B RELEASE C0081-19-01	\$1,759.00
	1				\$1,759.00
Total	1				\$1,759.00
CAPITAL					
BUTIER CONSULTING ENGINEERS	000004610	09/23/21	B014MWD	M18-100 CHANDLER & CRODDY	\$60,131.09
	1				\$60,131.09
CDM SMITH, INC	000004661	09/23/21	90133338	M21-220A WILSON & 1951 COHORT	\$22,569.43
	1				\$22,569.43
MICHAEL BAKER INTERNATIONAL	000004666	09/23/21	1124102	M20-100 METER TECHNOLOGY	\$5,325.00
		09/23/21	1127002	M20-100 METER TECHNOLOGY	\$11,825.00
	1				\$17,150.00
MURAKAWA COMMUNICATIONS, INC.	000004633	09/23/21	MESA WATER-15	M20-109 PUBLIC OUTREACH	\$25,533.25
	1				\$25,533.25
NV5, INC.	000004721	09/30/21	233274	M21-220B VAULT REHAB ABANDMNT	\$1,554.00
	1				\$1,554.00
TETRA TECH, INC	000004504	09/09/21	51777189	M18-100 CHANDLER & CRODDY	\$46,731.02
	000004671	09/23/21	51783453	M21-220A COHORT PIPELINE	\$21,921.19
	2				\$68,652.21
WA RASIC CONSTRUCTION CO.	000004614	09/23/21	05	M20-100 METER TECH PILOT PRGRM	\$174,766.52
	1				\$174,766.52
Total CAPITAL	8				\$370,356.50
CHECK SIGNATURE EXEMPT					
SOUTHERN CALIFORNIA EDISON CO	000004569	09/16/21	2236281499APR 21	ELECTRICITY - APRIL 2021	\$79,300.00
	1				\$79,300.00
Total CHECK SIGNATURE EXEMPT	1				\$79,300.00
DEPARTMENT EXPENSE					
ACWA JOINT POWERS INSURANCE AUTHORITY	000004448	09/02/21	SEP2021EAP	SEPTEMBER 2021 EAP	\$145.18

Payment Listing by Class

9/1/2021 - 9/30/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ACWA JOINT POWERS INSURANCE	000004659	09/23/21	OCT21EAP	OCTOBER 2021 EAP	\$145.18
	2				\$290.36
CA DEPT OF JUSTICE	000004579	09/16/21	525582	PRE-EMPLOYMENT FINGERPRINTS	\$64.00
	1				\$64.00
CALPERS BENEFIT PAYMENTS	0168075	09/02/21	090121	PPE 8/12/21	\$39,810.05
	0168079	09/08/21	16527815	SEPTEMBER HEALTH BILL	\$57,898.78
	0168080	09/08/21	16527832	SEPTEMBER HEALTH PA BILL	\$6,947.83
	0168087	09/22/21	091521	PPE 8/26/21	\$39,125.77
	0169128	09/30/21	90921	PPE 9/9/21	\$39,090.79
	5				\$182,873.22
COLONIAL LIFE & ACCIDENT INS	000004455	09/02/21	8892333-0907556	INSURANCE - PPE 08/29/21	\$201.68
	000004580	09/16/21	8892333-0921492	INSURANCE - PPE 09/12/21	\$201.68
	000004714	09/30/21	8892333-1005744	INSURANCE - PPE 09/25/21	\$201.68
	3				\$605.04
GOSS ENGINEERING INC	000004565	09/09/21	7227	M17-106 ADMIN/OPS HVAC STUDY	\$3,900.00
	1				\$3,900.00
GUARDIAN	000004461	09/02/21	00430941SEP21	SEP 21 DENTAL INSURANCE	\$5,622.53
	000004693	09/30/21	00430941OCT21	OCT 21 DENTAL INSURANCE	\$5,603.57
	2				\$11,226.10
HOOVER PRINTING	000004462	09/02/21	96751	DESIGN WORK	\$100.00
	000004528	09/09/21	96752	PRINTING - NEWSLETTER	\$2,494.41
	2				\$2,594.41
IND HEARING & PULMONARY MGMT	000004465	09/02/21	1888	EMPLOYEE SAFETY TRAINING	\$4,470.00
	1				\$4,470.00
ORANGE COUNTY EMPLOYEES ASSN	000004667	09/23/21	OCEA PPE 07/07/21	MEMBERSHIP DUES PPE 07/07/21	\$275.52
		09/23/21	OCEA PPE 07/21/21	MEMBERSHIP DUES PPE 07/21/21	\$275.52
		09/23/21	OCEA PPE 08/04/21	MEMBERSHIP DUES PPE 08/04/21	\$275.52

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ORANGE COUNTY EMPLOYEES ASSN	000004667	09/23/21	OCEA PPE 08/18/21	MEMBERSHIP DUES PPE 08/18/21	\$275.52
		09/23/21	OCEA PPE 09/01/21	MEMBERSHIP DUES PPE 09/01/21	\$275.52
		09/23/21	OCEA PPE 09/15/21	MEMBERSHIP DUES PPE 09/15/21	\$275.52
	000004697	09/30/21	OCEA PPE 09/29/21	MEMBERSHIP DUES PPE 09/29/21	\$295.20
2					\$1,948.32
RED WING BUSINESS ADVANTAGE ACCT	000004545	09/09/21	2021090200998 6	SAFETY SHOES	\$200.00
	000004590	09/16/21	2021081900998 6	SAFETY SHOES	\$400.00
2					\$600.00
SHARON D BRIMER	000004638	09/23/21	AUG2021	BOARD MINUTES - AUG 2021	\$253.32
1					\$253.32
TASC	000004551	09/09/21	IN2117149	FSA COMPLIANCE FEE	\$250.00
	000004641	09/23/21	IN2132517	FSA ADMIN FEES - AUGUST 2021	\$143.28
2					\$393.28
VISION SERVICE PLAN - (CA)	000004475	09/02/21	813060232	SEP 2021 VISION INSURANCE	\$1,220.19
	000004644	09/23/21	813286317	OCT 2021 VISION INSURANCE	\$1,220.19
2					\$2,440.38
VISTA DEL VERDE LANDSCAPE	000004554	09/09/21	35609	LANDSCAPE MAINTENANCE - SEP	\$2,608.79
	000004594	09/16/21	35565	MWRF LANDSCAPE REPAIRS	\$1,425.00
	000004728	09/30/21	35666	MWRF LANDSCAPE REPAIRS	\$678.27
3					\$4,712.06
Total DEPARTMENT EXPENSE	29				\$216,370.49
FINANCIAL OBLIGATIONS					
US BANK	0168082	09/13/21	1818770	COPS 2020 INTEREST PAY	\$1,273,583.13
	0168083	09/13/21	1816045	COPS 2017 INTEREST	\$502,625.00
2					\$1,776,208.13
Total FINANCIAL OBLIGATIONS	2				\$1,776,208.13

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GENERAL AND ADMINISTRATIVE					
24 CARROTS CATERING	000004658	09/23/21	95465	MESA WATER BREAKFAST	\$839.32
	1				\$839.32
ABATIX CORP	000004601	09/16/21	8156018	ASBESTOS LABELS	\$355.45
	1				\$355.45
ACCO ENGINEERED SYSTEMS, INC.	000004680	09/30/21	20160892	CUSTOMER SERVICE REPAIR	\$2,639.00
	1				\$2,639.00
ALAN'S LAWNMOWER & GARDEN CENTER	000004709	09/30/21	1049322	HUSQVARNA FUEL	\$196.65
	1				\$196.65
ALISA IRWIN	000004561	09/09/21	CHEQ00099007 868	08511602 Cheque Deposits 08511	\$12.11
	1				\$12.11
AMERICAN RED CROSS	000004711	09/30/21	22373779	FIRST AID TRAINING	\$640.00
	1				\$640.00
APEX FIRE SYSTEMS	000004681	09/30/21	HYDRANT MODEL REFUND	HYDRANT MODEL REFUND	\$190.00
	1				\$190.00
AQUENT	000004449	09/02/21	190-54842	MARKETING CONSULTANT	\$105.00
	1				\$105.00
AT&T MOBILITY	000004450	09/02/21	87295684390X0 8162021	WIRELESS COMM 08/09-09/08	\$1,796.95
	000004712	09/30/21	87306005081X0 9152021	WIRELESS COMM 09/08-10/07	\$338.88
	000004713	09/30/21	87295684390X0 9162021	WIRELESS COMM 09/09-10/08	\$594.41
	3				\$2,730.24
ATKINSON, ANDELSON, LOYA, RUUD & ROMO	000004509	09/09/21	627584	LEGAL SERVICES - JUNE	\$17,845.22
	000004615	09/23/21	628455	LEGAL SERVICES - JULY	\$27,897.50
	2				\$45,742.72
BAKER RESCUE SERVICES, INC	000004452	09/02/21	1682	TRAINING - CONFINED SPACE	\$875.00
	1				\$875.00
BEACH DIAMOND BLADES	000004683	09/30/21	55633	WATER OPS SUPPLIES	\$53.86
	1				\$53.86

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
BEST BEST & KRIEGER	000004511	09/09/21	913074	PROFESSIONAL SERVICES	\$1,151.00
	1				\$1,151.00
BLUECOSMO SATELLITE COMMUNICATIONS	000004454	09/02/21	BU01362081	SATELLITE PHONE SERVICE	\$92.68
	000004684	09/30/21	BU01374261	SATELLITE PHONE SERVICE	\$92.68
	2				\$185.36
BOLLAND AND ASSOCIATES	000004574	09/16/21	210306	REGULATORY CONSULTING FEE	\$400.00
	1				\$400.00
BRENDA DEELEY PR LLC	000004512	09/09/21	1273	CONSULTING FEE AUGUST 2021	\$10,600.00
	1				\$10,600.00
BROWN & CALDWELL	000004444	09/02/21	12414391	M21-2102B RES 1,2 UPGRADES	\$44,959.66
	000004611	09/23/21	12414705	M21-250D EXCAVATION SLURRY	\$6,736.50
		09/23/21	12416365	M21-210B2 RES 1,2 UPGRADES	\$64,376.13
	2				\$116,072.29
BRUCE BODA	000004648	09/23/21	CHEQ00099007874	08709801 Cheque Deposits 08709	\$32.02
	1				\$32.02
BSI EHS SERVICES AND SOLUTIONS	000004513	09/09/21	67398	EHS SUPPORT SERVICES	\$27,090.00
	1				\$27,090.00
C.J. SEGERSTROM & SONS	000004515	09/09/21	C0014-18-01	B RELEASE C0014-18-01	\$4,002.00
	1				\$4,002.00
CA STATE LOTTERY	000004575	09/16/21	C0048-18-01	B RELEASE C0048-18-01	\$1,000.00
	1				\$1,000.00
CALIFORNIA ADVOCATES INC.	000004518	09/09/21	092186	PROFESSIONAL SERVICES	\$7,700.00
	1				\$7,700.00
CARDQUEST	000004660	09/23/21	116695.	ID CARD PRINTER SUPPLIES	\$440.96
	1				\$440.96
CCS ORANGE COUNTY JANITORIAL INC.	000004521	09/09/21	524556	JANITORIAL SERVICES	\$3,933.67

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
CCS ORANGE COUNTY JANITORIAL INC.	000004521	09/09/21	80241459	JANITORIAL SUPPLIES	\$355.96
	1				\$4,289.63
CDW GOVERNMENT INC	000004616	09/23/21	J829669	M21-250F SECURITY UPGRADES	\$7,400.21
	1				\$7,400.21
CHERYL BOEHM	000004649	09/23/21	CHEQ00099007 875	02510200 Cheque Deposits 02510	\$34.01
	1				\$34.01
CHRIS ALESSI	000004492	09/02/21	CHEQ00099007 853	07916800 Overpayment	\$65.00
	1				\$65.00
CHRISTY STEVENSON	000004501	09/02/21	CHEQ00099007 865	01507400 Overpayment	\$131.87
	1				\$131.87
CITY CLERKS ASSOCIATION OF CALIFORNIA	000004564	09/09/21	090721	FY22 MEMBERSHIP DG, AJ, WD	\$600.00
	1				\$600.00
CITY OF SANTA ANA	000004519	09/09/21	35776303AUG21	CHANDLER WATER/SEWER	\$206.26
		09/09/21	35821304AUG21	CRODDY WATER/SEWER	\$624.94
	1				\$831.20
COASTAL OCCUPATIONAL MEDICAL GROUP DBA AKESO OCCUPATIONAL HEALTH	000004573	09/16/21	312566	MEDICAL SERVICES	\$336.82
	000004708	09/30/21	313793	MEDICAL SERVICES	\$290.00
	2				\$626.82
CREATIVE MAD SYSTEMS, INC. DBA MAD SYSTEMS	000004503	09/09/21	4119	M21-250A2 EXHIBITRY DESIGN	\$67,131.25
	1				\$67,131.25
DANIELLE MARQUARDT	000004685	09/30/21	C0219-22-01	REFUND-PROJECT IN ERROR	\$1,108.00
	1				\$1,108.00
DELMA MORALES MARTINEZ	000004600	09/16/21	CHEQ00099007 872	06701400 Cheque Deposits 06701	\$131.10
	1				\$131.10
DENNIS D ROCK CONSTRUCTION (1ST ALERT)	000004581	09/16/21	21130	INSTALL SITE GAUGE	\$525.00
	000004618	09/23/21	21152	INSTALL FUEL PUMP	\$9,872.00
	2				\$10,397.00
DeNOVA HOMES	000004514	09/09/21	C0012-17-01	B RELEASE C0012-17-01	\$11,081.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$11,081.00
DEVANSHU THAKORE	000004502	09/02/21	CHEQ00099007 866	07212400 Overpayment	\$203.71
	1				\$203.71
EAN SERVICES LLC	000004687	09/30/21	27761410	TRUCK RENTAL	\$5,488.17
	1				\$5,488.17
ELAYNE CARVER	000004498	09/02/21	CHEQ00099007 860	30001233 Overpayment	\$39.18
		09/02/21	CHEQ00099007 861	30001232 Overpayment	\$79.59
		09/02/21	CHEQ00099007 862	10006400 Overpayment	\$105.05
	1				\$223.82
EMEDCO	000004688	09/30/21	9347837486	SAFETY SUPPLIES	\$125.76
	1				\$125.76
EMPOWER	0168076	09/03/21	090121	PPE 8/26/21	\$1,028.96
	0168077	09/03/21	0901212	PPE 8/26/21 457B	\$21,044.76
	0168078	09/03/21	0901213	PPE 8/26/21 457 MATCH	\$9,501.64
	0168084	09/22/21	915211	PPE 9/9/21 MATCH	\$9,460.04
	0168085	09/22/21	91521	PPE 9/15/21	\$21,535.26
	0168086	09/22/21	915212	PPE 9/9/21	\$1,028.96
	6				\$63,599.62
ENTERPRISE FM TRUST	000004689	09/30/21	FBN4296177	AUTO LEASES - SEPTEMBER 2021	\$1,025.68
	1				\$1,025.68
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC.	000004620	09/23/21	94105916	ARCGIS MAINTENANCE RENEWAL	\$3,000.00
	1				\$3,000.00
FOCUS OC LLC	000004577	09/16/21	C0066-19-01	B RELEASE C0066-19- 01	\$395.00
	1				\$395.00
FRONTIER COMMUNICATIONS	000004459	09/02/21	17945AUG21	DDS LINE 08/13- 09/12	\$109.35
	000004691	09/30/21	17945SEP21	DDS LINE 09/13- 10/12	\$109.35
	2				\$218.70
FULL CIRCLE RECYCLING	000004460	09/02/21	26870	RECLYCLING SERVICES	\$133.50

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$133.50
FX PRO, INC.	000004490	09/02/21	CHEQ00099007 851	04903500 Overpayment	\$31.50
	1				\$31.50
GATEWAY PACIFIC CONTRACTORS, INC.	000004612	09/23/21	02	M18-100 CHANDLER & CRODDY	\$154,726.50
		09/23/21	03	M18-100 CHANDLER & CRODDY	\$624,138.12
	1				\$778,864.62
GEIGER	000004525	09/09/21	4522497	MWD PROMO ITEMS	\$1,395.02
	1				\$1,395.02
GEMPLER'S	000004526	09/09/21	INV0004477220	PROTECTIVE GEAR	\$129.25
	000004692	09/30/21	INV0004478525	PROTECTIVE GEAR	\$129.25
	2				\$258.50
GEOFFREY DEWAN	000004499	09/02/21	CHEQ00099007 863	07725500 Overpayment	\$124.80
	1				\$124.80
H & M HENNES MAURITZ, LP	000004598	09/16/21	CHEQ00099007 873	06801502 Cheque Deposits 06801	\$19.71
	1				\$19.71
HAAKER EQUIPMENT COMPANY	000004604	09/16/21	C73338	TOOLS & EQUIPMENT	\$330.79
	1				\$330.79
HALO BRANDED SOLUTIONS, INC.	000004716	09/30/21	2021000056055	PROMO ITEMS	\$2,400.19
	1				\$2,400.19
HARBOR CHRISTIAN CHURCH	000004500	09/02/21	CHEQ00099007 864	00205400 Overpayment	\$129.71
	1				\$129.71
HDR ENGINEERING INC	000004624	09/23/21	1200371253	M22-103 PIPELINE INTEGRITY	\$2,825.00
	1				\$2,825.00
IBI GROUP	000004567	09/09/21	10013033R	M20-105 MWRF OUTREACH CENTER	\$38,836.68
	000004605	09/16/21	10013089	Final bill for M17-106	\$2,046.00
	000004609	09/23/21	10012463	M20-105 MWRF OUTREACH CENTER	\$49,749.09
	3				\$90,631.77
INDUSTRIAL DOOR GROUP, INC.	000004627	09/23/21	9-10-615735	FRONT DOOR REPAIR	\$325.00
	1				\$325.00

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
INFINITY RESIDENTIAL	000004489	09/02/21	CHEQ00099007 850	06411800 Overpayment	\$27.15
	1				\$27.15
INFOSEND INC	000004529	09/09/21	196549	CUSTOMER BILLING SERVICE	\$1,526.13
	1				\$1,526.13
INSIGHT PUBLIC SECTOR	000004466	09/02/21	1100858535	CITRIX ANNUAL CSS SELECT	\$433.03
	000004530	09/09/21	1100865381	VMWARE ANNUAL SUPPORT	\$3,791.04
	000004628	09/23/21	1100866287	VMWARE ANNUAL SUPPORT LICENSE	\$8,707.14
	3				\$12,931.21
JANIS DINWIDDIE	000004596	09/16/21	CHEQ00099007 869	02703400 Cheque Deposits 02703	\$46.95
	1				\$46.95
JENNIFER PRATT	000004496	09/02/21	CHEQ00099007 858	01326610 Overpayment	\$100.44
	1				\$100.44
JOHN JANIS PLUMBING	000004664	09/23/21	15120	M20-107 HVAC MAINTENANCE	\$3,400.00
	1				\$3,400.00
JOHN ROBINSON CONSULTING, INC.	000004533	09/09/21	MW201901-29	CONSULTING SERVICES	\$9,900.00
		09/09/21	MW201902-07	CONSULTING SERVICES	\$3,600.00
	1				\$13,500.00
KLEEN KRAFT SERVICES	000004467	09/02/21	1080738	UNIFORMS, MATS, TOWELS	\$243.27
	000004534	09/09/21	1081403	UNIFORMS, MATS, TOWELS	\$243.27
	000004629	09/23/21	1082072	UNIFORMS, MATS, TOWELS	\$243.27
	000004695	09/30/21	1082736	UNIFORMS, MATS, TOWELS	\$244.09
	4				\$973.90
KOBE INC	000004578	09/16/21	C2212	B RELEASE C2212	\$4,215.00
	1				\$4,215.00
LA CONSULTING INC	000004535	09/09/21	0015238	M21-104 WATER SYS ENHANCMENT	\$7,349.50
	1				\$7,349.50

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
LIEBERT CASSIDY WHITMORE	000004468	09/02/21	202525	PROFESSIONAL SERVICES - JULY	\$4,634.50
	000004696	09/30/21	203731	PROFESSIONAL SERVICES - AUGUST	\$1,174.40
	2				\$5,808.90
MELINDA CHOI	000004456	09/02/21	CHEQ00099007 855	01321200 Overpayment	\$83.41
	1				\$83.41
MERITAGE HOMES	000004446	09/02/21	C2235	B RELEASE C2235	\$50,417.50
	1				\$50,417.50
MICHAEL TODD	000004650	09/23/21	CHEQ00099007 876	07704201 Cheque Deposits 07704	\$269.37
	1				\$269.37
MILLER CONTRACTING COMPANY	000004488	09/02/21	CHEQ00099007 849	30002320 Overpayment	\$175.05
	1				\$175.05
NEAT COFFEE CO, LLC	000004516	09/09/21	C0077-19-01	B RELEASE C0077-19-01	\$1,000.00
	1				\$1,000.00
NOACK AWARDS & ENGRAVING INC	000004585	09/16/21	27036	LASER ENGRAVING AWARDS	\$30.17
	1				\$30.17
OC HOMES CORPORATION	000004497	09/02/21	CHEQ00099007 859	10111900 Overpayment	\$100.44
	1				\$100.44
O'NEIL STORAGE #0481	000004586	09/16/21	2108052	FILE STORAGE - AUGUST 2021	\$282.71
	1				\$282.71
ORANGE COUNTY TREASURER - TAX COLLECTOR	000004469	09/02/21	GA21220054	FY21/22 LAFCO ALLOCATION	\$22,933.15
	1				\$22,933.15
PAUL ESSLINGER TRUST	000004494	09/02/21	CHEQ00099007 856	03710900 Overpayment	\$86.97
	1				\$86.97
PETE'S ROAD SERVICE	000004587	09/16/21	526422-00	TIRE REPAIR	\$330.12
	1				\$330.12
PINNACLE INT'L PROPERTY SERVICES	000004491	09/02/21	CHEQ00099007 852	07725500 Overpayment	\$38.79
	1				\$38.79
PLACENTIA EQUITIES WESTSIDE LLC	000004576	09/16/21	C0064-19-01	B RELEASE C0064-19-01	\$4,140.00

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	1				\$4,140.00
PRIME ACTUARIAL CONSULTING DBA BICKMORE ACTUARIAL	000004589	09/16/21	28645	CONSULTING - CAPTIVE FUNDING	\$4,500.00
	1				\$4,500.00
QUADIENT LEASING USA, INC	000004539	09/09/21	N9016487	LEASE - MAIL EQUIPMENT	\$883.31
	1				\$883.31
RAFTELIS FINANCIAL CONSULTANTS	000004636	09/23/21	20560	POTABLE&RECYCLED WATER COS	\$23,352.50
	1				\$23,352.50
RAYNE WATER SYSTEMS	000004544	09/09/21	30486SEP21	SOFT WATER SERVICE - SEP 2021	\$43.50
	1				\$43.50
SONSRAY MACHINERY	000004471	09/02/21	W11790-03	FLEET REPAIR	\$771.88
	1				\$771.88
STEVE BRAYTON	000004495	09/02/21	CHEQ00099007857	30001639 Overpayment	\$90.00
	1				\$90.00
SYED ISHRAK	000004599	09/16/21	CHEQ00099007870	10008000 Cheque Deposits 10008	\$79.50
	1				\$79.50
T2 TECHNOLOGY GROUP, LLC	000004445	09/02/21	5032	M21-250F INFRASTRUCTURE SEC	\$101,131.31
	000004670	09/23/21	00307417	M22-250A4 MWRP CONST MIGRATION	\$3,945.00
		09/23/21	00307454	M22-250A4 MWRP CONST MIGRATION	\$3,852.50
		09/23/21	00307439	M22-250A4 MWRP CONST MIGRATION	\$6,880.00
		09/23/21	5036	M21-120A AWS MAINT & SUBSCRIP	\$23,413.79
	2				\$139,222.60
THEODORE ROBINS FORD	000004607	09/16/21	C57094	AUTO REPAIRS & MAINTENANCE	\$75.00
		09/16/21	C56995	AUTO REPAIRS & MAINTENANCE	\$75.00
		09/16/21	C57226	AUTO REPAIRS & MAINTENANCE	\$2,383.71
		09/16/21	C55760	AUTO REPAIRS & MAINTENANCE	\$500.00

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THEODORE ROBINS FORD	000004607	09/16/21	C57385	AUTO REPAIRS & MAINTENANCE	\$1,009.83	
		09/16/21	C56592	AUTO REPAIRS & MAINTENANCE	\$352.09	
		09/16/21	C56994	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56985	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56989	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56984	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56986	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56991	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56992	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/16/21	C56997	AUTO REPAIRS & MAINTENANCE	\$75.00	
	09/16/21	C56996	AUTO REPAIRS & MAINTENANCE	\$75.00		
	000004672	09/23/21	C56982	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/23/21	C56987	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/23/21	C56988	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/23/21	C56990	AUTO REPAIRS & MAINTENANCE	\$75.00	
		09/23/21	C56993	AUTO REPAIRS & MAINTENANCE	\$75.00	
	000004725	09/30/21	C57948	AUTO REPAIRS & MAINTENANCE	\$212.76	
	3					\$5,658.39
	THUAN NGUYEN	000004493	09/02/21	CHEQ00099007 854	00202700	\$76.22
					Overpayment	
1					\$76.22	
TIM HOGAN GRAPHIC DESIGNS	000004702	09/30/21	6142	PRINTING - WQ	\$2,453.92	
				POSTCARDS		
1					\$2,453.92	
TIME WARNER CABLE	000004486	09/02/21	1048224081921	INTERNET - DISTRICT	\$2,248.00	
		09/02/21	0679649081821	INTERNET - MWRF	\$324.98	

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
TIME WARNER CABLE	000004486	09/02/21	1524356081521	INTERNET - MWRF	\$204.98
	000004673	09/23/21	0012934090321	INTERNET - DISTRICT	\$362.91
		09/23/21	1774795090621	INTERNET - DISTRICT	\$97.98
	2				\$3,238.85
TK ELEVATOR	000004592	09/16/21	3006146905	ELEVATOR MAINTENANCE 9/1-11/30	\$2,464.76
	1				\$2,464.76
T-REX OF NEWPORT BEACH	000004560	09/09/21	CHEQ00099007867	04920069 Cheque Deposits 04920	\$218.09
	1				\$218.09
TRUE NORTH RESEARCH, INC.	000004675	09/23/21	2646	CUSTOMER SURVEY 2022	\$34,875.00
	1				\$34,875.00
TUSTIN URGENT CARE, APC DBA XPRESS URGENT CARE HUTINGTON BEACH	000004595	09/16/21	2940	MEDICAL SERVICES	\$675.00
	1				\$675.00
ULINE	000004705	09/30/21	138841323	GENERAL SUPPLIES	\$806.16
	1				\$806.16
UNIVERSAL WASTE SYSTEMS, INC	000004553	09/09/21	0001147027	WASTE REMOVAL - SEPTEMBER	\$103.95
	1				\$103.95
UNUM	000004593	09/16/21	042056000160CT21	LIFE INSURANCE-OCTOBER 2021	\$4,325.26
	1				\$4,325.26
VENTURE: EXECUTIVE SEARCH TEAM, LLC	000004505	09/09/21	201130	MGP SUPPORT SERVICES - NOV20	\$31,625.00
		09/09/21	201031	MGP SUPPORT SERVICES - OCT20	\$19,312.50
		09/09/21	201222	MGP SUPPORT SERVICES - DEC20	\$19,937.50
		09/09/21	210131	MGP SUPPORT SERVICES - JAN21	\$20,937.50
		09/09/21	210228	MGP SUPPORT SERVICES - FEB21	\$2,875.00
		09/09/21	210331	MGP SUPPORT SERVICES - APR21	\$4,687.50
		09/09/21	210630	MGP SUPPORT SERVICES - JUN21	\$3,375.00
	000004726	09/30/21	210430	MGP SUPPORT SERVICES - APRIL	\$5,812.50

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
VENTURE: EXECUTIVE SEARCH TEAM, LLC	000004726	09/30/21	210531	MGP SUPPORT SERVICES - MAY	\$11,687.50
	2				\$120,250.00
VERIZON WIRELESS	000004474	09/02/21	9886431025	MOBILE INTERNET 07/17-08/16	\$1,988.26
	1				\$1,988.26
WASTE MANAGEMENT OF OC	000004556	09/09/21	7954526-0149-0	TR CONTAINER RENTAL AUG21	\$542.50
		09/09/21	0394514-2515-9	TR CONTAINER RENTAL SEP21	\$1,257.32
	1				\$1,799.82
WESTERN EXTERMINATOR COMPANY	000004477	09/02/21	8749808	PEST CONTROL - DISTRICT	\$92.50
		09/02/21	8749809	PEST CONTROL - MWRF	\$92.50
	000004707	09/30/21	8992540	PEST CONTROL - MWRF	\$92.50
2				\$277.50	
WHELAN/PRESCOTT PROP MGMT	000004597	09/16/21	CHEQ00099007	02719000 Overpayment	\$79.31
			871		
1				\$79.31	
WILLIAM TURNER	000004679	09/30/21	CHEQ00099007	03222500 Cheque Deposits 03222	\$675.97
			877		
1				\$675.97	
WILLIAMS SCOTSMAN INC.	000004646	09/23/21	9011433541	M21-250A1 SCADA & LAB UPDATES	\$20,776.95
				1	
YORKE ENGINEERING, LLC	000004559	09/09/21	26588	AQ & ES ENVIRONMENTAL SERVICES	\$2,088.00
		09/09/21	26589	AQ & ES ENVIRONMENTAL SERVICES	\$1,390.75
	1				\$3,478.75
Total GENERAL AND ADMINISTRATIVE	137				\$1,781,562.95
RETIREE CHECKS					
ALAN COOK	000004507	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$94.83
				1	
ART HERNANDEZ	000004508	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$179.08

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$179.08
COLEEN L MONTELEONE	000004520	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$241.00
	1				\$241.00
DIANA LEACH	000004522	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$271.06
	1				\$271.06
JOHN CERNEK	000004532	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$62.28
	1				\$62.28
LORI MULLER	000004538	09/09/21	090121	SEP 2021 INSURANCE SUBSIDY	\$94.83
	1				\$94.83
Total RETIREE CHECKS	6				\$943.08
VARIOUS					
AC POZOS ELECTRIC CORPORATION	000004506	09/09/21	ACP2021-1148	ELECTRICAL REPAIRS	\$4,590.00
	1				\$4,590.00
ACADEMY ELECTRIC INC.	000004562	09/09/21	1302-13	ELECTRICAL REPAIRS	\$505.67
		09/09/21	1302-14	ELECTRICAL REPAIRS	\$523.70
	1				\$1,029.37
AMAZON BUSINESS	000004478	09/02/21	1FX3-Q7TX-DPDR	OFFICE SUPPLIES	\$98.36
		09/02/21	199T-VYQF-9T3V	OFFICE SUPPLIES	\$81.19
		09/02/21	1NLM-MJFL-6CTP	OFFICE SUPPLIES	\$17.07
		09/02/21	1N7N-RQXC-JJ7F	OFFICE SUPPLIES	\$113.10
		09/02/21	17Q3-WNLV-Q9DQ	OFFICE SUPPLIES	\$63.20
		09/02/21	1WPG-G4YH-C1R6	OFFICE SUPPLIES	\$160.90
		09/02/21	1FKW-YVDJ-PVD6	OFFICE SUPPLIES	\$77.58
		09/02/21	1MMD-YY4R-PQ7P	OFFICE SUPPLIES	\$78.65
		09/02/21	1HC6-XX1N-NYHJ	OFFICE SUPPLIES	\$5.18
		09/02/21	1QWN-JJK7-3FX1	OFFICE SUPPLIES	\$5.89
		09/02/21	1Q63-NPY6-1YY3	OFFICE SUPPLIES	\$48.49

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount	
AMAZON BUSINESS	000004478	09/02/21	1J7L-3J77-TQN1	OFFICE SUPPLIES	\$161.39	
	000004563	09/09/21	17WF-J31D-KPG1	OFFICE SUPPLIES	\$37.17	
		09/09/21	13HD-LR17-MX4K	OFFICE SUPPLIES	\$207.31	
		09/09/21	1TMJ-L6P1-FN1N	OFFICE SUPPLIES	\$77.94	
		09/09/21	1T6C-6VRX-16X7	OFFICE SUPPLIES	\$78.01	
	000004602	09/16/21	1WKT-QDWH-FQ9L	OFFICE SUPPLIES	\$48.36	
		09/16/21	1YFJ-CVPG-9H6R	OFFICE SUPPLIES	\$49.99	
		09/16/21	1337-9GW3-1KMG	OFFICE SUPPLIES	\$31.80	
	000004647	09/23/21	13G1-MMW9-1DJ9	OFFICE SUPPLIES	\$175.20	
	000004710	09/30/21	1NMG-4Q6K-JJPH	OFFICE SUPPLIES	\$53.39	
		09/30/21	1LR1-JDGY-4DWR	OFFICE SUPPLIES	\$53.86	
		09/30/21	1GJ7-71KT-KRLJ	OFFICE SUPPLIES	\$10.10	
		09/30/21	1QX9-FQ4R-9HLY	OFFICE SUPPLIES	\$43.69	
		09/30/21	1QX9-FQ4R-H17R	OFFICE SUPPLIES	\$8.61	
		09/30/21	1H9P-6TLV-G7FX	OFFICE SUPPLIES	\$7.32	
		09/30/21	1LPK-D19V-9GKX	OFFICE SUPPLIES	\$57.55	
		5				\$1,851.30
	AT&T	000004479	09/02/21	8315SEP21	714-241-8315 SEPTEMBER 2021	\$2,604.28
		000004651	09/23/21	9337SEP21	714-435-9337 SEPTEMBER 2021	\$6,641.35
000004652		09/23/21	0779SEP21	339-263-0779 SEPTEMBER 2021	\$1,609.31	
000004653		09/23/21	0926SEP21	949-650-0926 SEPTEMBER 2021	\$2,109.09	
000004654		09/23/21	3066SEP21	960-350-3066 SEPTEMBER 2021	\$5,828.20	
000004655		09/23/21	8883SEP21	949-631-8883 SEPTEMBER 2021	\$398.51	
000004656		09/23/21	8274SEP21	949-722-8274 SEPTEMBER 2021	\$220.08	

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
AT&T	000004657	09/23/21	4054001SEP21	030 203 4054 001 SEPTEMBER 21	\$83.68
	000004682	09/30/21	000016977783	ACCT# 9391061444 AUGUST	\$55.87
	9				\$19,550.37
CITADEL ENVIRONMENTAL SERVICES INC	000004568	09/09/21	0028403	EHS AUDIT	\$4,766.20
	1				\$4,766.20
DION & SONS, INC	000004619	09/23/21	778567	GASOLINE	\$4,716.40
	000004686	09/30/21	778569	DIESEL FUEL	\$2,551.61
	2				\$7,268.01
FEDERAL EXPRESS CORPORATION	000004457	09/02/21	7-473-06105	SHIPPING SERVICES	\$128.56
	000004524	09/09/21	7-481-20489	SHIPPING SERVICES	\$52.55
	000004715	09/30/21	7-502-41854	SHIPPING SERVICES	\$78.45
		09/30/21	7-488-33138	SHIPPING SERVICES	\$24.11
		09/30/21	7-495-57536	SHIPPING SERVICES	\$322.01
3				\$605.68	
FORSTA FILTERS INC	000004458	09/02/21	22428	SUPPLIES - WELLS	\$1,690.13
	1				\$1,690.13
GCI CONSTRUCTION, INC.	000004608	09/23/21	5150	M22-003 MWRF MIGRATION	\$49,713.50
	1				\$49,713.50
GRAINGER	000004480	09/02/21	9021795043	SAFETY TOOLS & EQUIPMENT	\$306.61
		09/02/21	9029126563	SAFETY TOOLS & EQUIPMENT	\$241.26
		09/02/21	9021795035	SAFETY TOOLS & EQUIPMENT	\$1,625.97
	000004566	09/09/21	9040332406	SAFETY TOOLS & EQUIPMENT	\$78.44
		09/09/21	9034512989	SAFETY TOOLS & EQUIPMENT	\$340.05
	000004622	09/23/21	9040384506	SAFETY TOOLS & EQUIPMENT	\$289.50
	3				\$2,881.83
HACH COMPANY	000004527	09/09/21	12601414	SAFETY TOOLS & EQUIPMENT	\$588.51
	000004662	09/23/21	12623330	SAFETY TOOLS & EQUIPMENT	\$42.48
		09/23/21	12623303	SAFETY TOOLS & EQUIPMENT	\$1,723.23

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
HACH COMPANY	000004662	09/23/21	12626530	SAFETY TOOLS & EQUIPMENT	\$418.54
		09/23/21	12599144	SAFETY TOOLS & EQUIPMENT	\$964.03
		09/23/21	12628977	SAFETY TOOLS & EQUIPMENT	\$307.47
	2				\$4,044.26
HRCHITECT	000004463	09/02/21	2021-0584	M18-110 HRIS CONSULTANT	\$1,312.50
	000004626	09/23/21	2021-0661	M18-110 HRIS CONSULTANT	\$218.75
	000004694	09/30/21	2021-0686	M18-110 HRIS CONSULTANT	\$1,050.00
	3				\$2,581.25
HUB AUTO SUPPLY	000004464	09/02/21	266214	AUTO SUPPLIES	\$80.94
	000004663	09/23/21	268131	AUTO SUPPLIES	\$32.80
		09/23/21	268763	Receivings Transaction Entry	\$115.92
		09/23/21	268613	AUTO SUPPLIES	\$27.96
	2				\$257.62
JA SALAZAR CONSTRUCTION & SUPPLY	000004613	09/23/21	411-1	M21-220A WILSON PIPELINE REPLC	\$49,875.00
					\$49,875.00
KOFF AND ASSOCIATES	000004583	09/16/21	013591	PROFESSIONAL SERVICES	\$8,951.25
					\$8,951.25
LEED ELECTRIC	000004584	09/16/21	210903	ON CALL ELECTRICAL REPAIRS	\$4,059.00
	000004630	09/23/21	210913	ON CALL ELECTRICAL REPAIRS	\$3,582.00
					\$7,641.00
LEWIS CONSULTING GROUP	000004537	09/09/21	2021-123	GOV'T RELATIONS SERVICES	\$5,000.00
					\$5,000.00
LUCILLE'S SMOKEHOUSE BBQ	000004631	09/23/21	E34275	Req: 3500	\$1,276.37
					\$1,276.37
MEYERS NAVE, A PROFESSIONAL CORPORATION	000004540	09/09/21	2021070301	E200-0001 MATTER 1893-003	\$7,458.31
		09/09/21	2021070302	E200-0001 MATTER 1893-005	\$2,702.90

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
MEYERS NAVE, A PROFESSIONAL CORPORATION	000004632	09/23/21	2021070339	E200-0001 MATTER 1893.003	\$820.80
	000004719	09/30/21	2021080526	E200-0001 MATTER 1893.003	\$12,148.10
		09/30/21	2021080527	E200-0001 MATTER 1893.005	\$2,381.40
		09/30/21	2021080530	E200-0001 MATTER 1893.003	\$561.60
	3				\$26,073.11
ORANGE COUNTY HOSE CO	000004635	09/23/21	160998	WATER HOSE & FITTINGS	\$156.78
		1			\$156.78
SHERWIN WILLIAMS COMPANY	000004699	09/30/21	2060-7	PAINTING SUPPLIES	\$21.68
		1			\$21.68
SIGN DEPOT	000004485	09/02/21	9546	LAMINATED DECALS	\$1,153.45
		09/02/21	9545	EMPLOYEE NAME PLATE, SIGN	\$86.20
		1			\$1,239.65
SOUTHERN CALIFORNIA GAS CO	000004547	09/09/21	05060829008AUG2021	NATURAL GAS, WELL 5, AUG 2021	\$16,332.64
	000004637	09/23/21	05200799004SEP21	NATURAL GAS RES 2, SEP 2021	\$2,203.16
	000004723	09/30/21	08940813002SEP21	NATURAL GAS RES 1, SEP 2021	\$1,149.28
		09/30/21	08520813000SEP21	NATURAL GAS DISTRICT, SEP 2021	\$65.89
	3			\$19,750.97	
SPRYPOINT SERVICES INC	000004548	09/09/21	INV-0884	COGSDALE SUPPORT	\$9,600.00
	000004724	09/30/21	INV-0899	COGSDALE SUPPORT	\$9,450.00
		09/30/21	INV-0720	COGSDALE SUPPORT	\$16,000.00
	2			\$35,050.00	
STIVERS & ASSOCIATES INC.	000004549	09/09/21	12-830	MWRF LANDSCAPE CONSULTING	\$375.00
	000004639	09/23/21	12-823	LANDSCAPE CONSULTING	\$525.00
	000004700	09/30/21	12-834	MWRF LANDSCAPE CONSULTING	\$300.00
	3			\$1,200.00	
TANGERINE PROMOTIONS, A DIVISION OF BAMKO LLC	000004701	09/30/21	92271	PA PROMO ITEMS	\$6,917.99
		1			\$6,917.99

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
THE HOME DEPOT COMMERCIAL ACCT	000004582	09/16/21	1915AUG21	TOOLS & EQUIPMENT	\$2,967.39
	1				\$2,967.39
TRUSSELL TECHNOLOGIES INC	000004643	09/23/21	0000008024	Receivings Transaction Entry	\$10,025.00
	1				\$10,025.00
TYCO/ JOHNSON CONTROLS	000004676	09/23/21	36266233	M21-120A AWS CLOUD	\$172.14
		09/23/21	36266232	M21-120A AWS CLOUD	\$1,171.72
		09/23/21	36266234	M21-120A AWS CLOUD	\$569.12
	000004704	09/30/21	36282186	SERVICE CALL	\$20.42
	2				\$1,933.40
VALLEY POWER	000004706	09/30/21	B43839	WELL 5 ENGINE SERVICE	\$3,798.67
	1				\$3,798.67
VFS FIRE & SECURITY SERVICES	000004727	09/30/21	10506513	FIRE SPRINKLER INSPECT - QTR	\$250.00
		09/30/21	10506448	FIRE SPRINKLER INSPECT - QTR	\$250.00
	1				\$500.00
VONAGE HOLDINGS CORPORATION	000004571	09/16/21	2110473	TELEPHONE SERVICES	\$10,482.53
	1				\$10,482.53
WECK ANALYTICAL ENVIRONMENTAL SERVICES INC.	000004730	09/30/21	70799	WATER QUALITY ANALYSIS	\$4,066.50
	1				\$4,066.50
WESTBOUND COMMUNICATIONS	000004645	09/23/21	4647	DIGITAL & SOCIAL MEDIA STRATGY	\$6,128.75
	1				\$6,128.75
WHITTINGHAM PUBLIC AFFAIRS ADVISORS	000004558	09/09/21	001232	AQMD CONSULTING	\$2,062.50
	1				\$2,062.50
Total VARIOUS	65				\$305,948.06
WATER SUPPLY					
AIRGAS USA LLC	000004572	09/16/21	9982541925	CYLINDER RENTAL	\$105.28
	1				\$105.28
HARRINGTON INDUSTRIAL PLASTICS	000004623	09/23/21	002P2502	TOOLS	\$775.17
	1				\$775.17

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HILL BROTHERS CHEMICAL CO.	000004481	09/02/21	07104757	AMMONIA	\$4,490.05
		09/02/21	07104758	AMMONIA	\$6,000.00
	000004625	09/23/21	07106393	AMMONIA	\$3,033.92
	2				\$13,523.97
LINDE INC.	000004543	09/09/21	65795241	CARBON DIOXIDE TANK RENTAL	\$2,489.03
	000004668	09/23/21	65648739	CARBON DIOXIDE	\$1,778.60
		09/23/21	65870794	CARBON DIOXIDE	\$3,568.16
		09/23/21	65696161	CARBON DIOXIDE	\$3,500.00
		09/23/21	65570408	CARBON DIOXIDE	\$3,389.78
	2				\$14,725.57
MUNICIPAL WATER DISTRICT OF OC	0168081	09/08/21	16862	CHOICE PROGRAMS 21-22	\$50,134.81
	1				\$50,134.81
PACIFIC STAR CHEMICAL DBA NORTHSTAR CHEMICAL	000004483	09/02/21	203407	SOD HYPO	\$4,417.80
		09/02/21	203405	SOD HYPO	\$1,863.80
		09/02/21	202854	SOD HYPO	\$5,124.82
		09/02/21	203390	SODIUM BISULFITE	\$3,076.15
		09/02/21	202853	SOD HYPO	\$1,751.00
	000004541	09/09/21	203952	SOD HYPO	\$3,966.73
		09/09/21	203948	SOD HYPO	\$2,788.21
	000004606	09/16/21	204584	SOD HYPO	\$245.58
		09/16/21	204587	SOD HYPO	\$1,854.00
	000004634	09/23/21	205269	SOD HYPO	\$1,751.00
	000004720	09/30/21	205273	SODIUM BISULFITE	\$2,768.30
		09/30/21	205272	SOD HYPO	\$3,619.03
		09/30/21	204583	SOD HYPO	\$272.73
		09/30/21	204585	SOD HYPO	\$5,351.01
		09/30/21	205270	SOD HYPO	\$1,809.52
	5				\$40,659.68
SEPARATION PROCESSES, INC	000004591	09/16/21	10235	SUPPORT SERVICES	\$5,821.78
	1				\$5,821.78
TESTOIL	000004642	09/23/21	305516	OIL TESTING	\$549.12
	1				\$549.12
UNITED WATERWORKS INC.	000004473	09/02/21	S100099597.002	WATER OPS SUPPLIES	\$645.07
	1				\$645.07
Total WATER SUPPLY	15				\$126,940.45

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
WATER SYSTEM					
ACCESSORIE AIR COMPRESSOR SYSTEMS	000004447	09/02/21	200462	AIR COMPRESSOR SERVICE	\$330.00
	000004570	09/16/21	200515	AIR COMPRESSOR SERVICE	\$18,358.97
2					\$18,688.97
ALS TRUESDAIL LABORATORIES INC	000004487	09/02/21	522103355	WATER QUALITY TESTING	\$33.00
		09/02/21	522103413	WATER QUALITY TESTING	\$44.00
		09/02/21	522103396	WATER QUALITY TESTING	\$33.00
		09/02/21	522103405	WATER QUALITY TESTING	\$22.00
	000004674	09/23/21	522103800	WATER QUALITY TESTING	\$44.00
		09/23/21	522103732	WATER QUALITY TESTING	\$150.00
		09/23/21	522103754	WATER QUALITY TESTING	\$22.00
	000004703	09/30/21	522103846	WATER QUALITY TESTING	\$33.00
		09/30/21	522103803	WATER QUALITY TESTING	\$33.00
	3				
BADGER METER INC.	000004451	09/02/21	1453857	C0071-20-01 METERS	\$1,038.71
	000004510	09/09/21	1455039	Receivings Transaction Entry	\$15,441.89
2					\$16,480.60
BATTERY MART INC	000004453	09/02/21	39656	BATTERIES	\$1,298.68
1					\$1,298.68
BEACH CITY LIFT INC.	000004603	09/16/21	82103-1	ANNUAL PM - FORKLIFT #63	\$290.19
		09/16/21	82102-1	ANNUAL PM - FORKLIFT #64	\$290.19
1					\$580.38
CHARLES P CROWLEY	000004617	09/23/21	29034	WATER OPS PARTS	\$2,840.22
1					\$2,840.22
DIG SAFE BOARD	000004523	09/09/21	DSB20204373	DIG SAFE BOARD FEES	\$317.32
1					\$317.32

Payment Listing by Class

9/1/2021 - 9/30/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
EWLES MATERIALS INC	000004621	09/23/21	424126	BOBTAIL DUMP FEES	\$880.00
	1				\$880.00
EXPRESS PIPE & SUPPLY CO. INC	000004690	09/30/21	S111456740.001	PIPE SUPPLIES	\$10.14
	1				\$10.14
IRVINE PIPE & SUPPLY	000004531	09/09/21	1026776	PIPE FITTINGS AND SUPPLIES	\$460.03
	000004678	09/23/21	1206872	PIPE FITTINGS & SUPPLIES	\$53.19
	000004717	09/30/21	1028053	PIPE FITTINGS & SUPPLIES	\$729.00
		09/30/21	1028077	Receivings Transaction Entry	\$238.88
		09/30/21	1028050	PIPE FITTINGS & SUPPLIES	\$372.54
3				\$1,853.64	
LARRY'S BUILDING MATERIALS	000004482	09/02/21	CM-132871	PAVING MATERIALS	\$64.54
		09/02/21	CM-132875	M22-001FH PAVING MATERIALS	\$64.54
		09/02/21	CM-132820	M22-001FH PAVING MATERIALS	\$148.91
		09/02/21	CM-132792	PAVING MATERIALS	\$32.27
	000004536	09/09/21	CM-132973	M22-001FH PAVING MATERIALS	\$32.27
		09/09/21	CM-132905	PAVING MATERIALS	\$157.15
		09/09/21	CM-132908	PAVING MATERIALS	\$36.20
		09/09/21	CM-132877	PAVING MATERIALS	\$28.88
	000004665	09/23/21	CM-133026	M22-001FH PAVING MATERIALS	\$56.41
	000004718	09/30/21	CM-133153	PAVING MATERIALS	\$32.27
		09/30/21	CM-133222	PAVING MATERIALS	\$102.58
		09/30/21	CM-133151	PAVING MATERIALS	\$32.27
	4				\$788.29
LINDE GAS & EQUIPMENT INC.	000004588	09/16/21	65510318	CARBON DIOXIDE TANK RENTAL	\$169.26
	000004722	09/30/21	66100201	CARBON DIOXIDE TANK RENTAL	\$168.49
		09/30/21	66009886	CARBON DIOXIDE TANK RENTAL	\$32.15
2				\$369.90	
OMAR & SON'S TRUCKING	000004542	09/09/21	6213	DIRT HAULING	\$808.00

Payment Listing by Class

9/1/2021 - 9/30/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$808.00
ORANGE COUNTY PUMP	000004698	09/30/21	153963	PLUMBING REPAIRS	\$1,388.90
	1				\$1,388.90
RELIABLE MONITORING SERVICES	000004470	09/02/21	2121775	GAS DETECTION SYS-CALIBRATE	\$450.00
		09/02/21	2121774	GAS DETECTION SYS-CALIBRATE	\$450.00
	1				\$900.00
S & J SUPPLY CO.	000004484	09/02/21	S100177737.002	PIPELINE MATERIALS	\$78.33
		09/02/21	S100179174.001	PIPELINE MATERIALS	\$4,077.26
	000004546	09/09/21	S100179594.001	PIPELINE MATERIALS	\$6,773.87
	000004669	09/23/21	S100179797.001	PIPELINE MATERIALS	\$2,982.52
		09/23/21	S100177737.003	PIPELINE MATERIALS	\$146.54
	3				\$14,058.52
SOUTHERN COUNTIES LUBRICANTS, LLC	000004472	09/02/21	150093	MOBILE SCH 629 OIL	\$4,076.68
	1				\$4,076.68
TAMORI DESIGNS	000004550	09/09/21	1504	PRINTING - DOOR HANGERS	\$950.36
	000004640	09/23/21	1512	PRINTING - PADS	\$398.68
	2				\$1,349.04
UNDERGROUND SERVICE ALERT/SC	000004552	09/09/21	820210438	UNDERGROUND DIG ALERT	\$600.70
	1				\$600.70
VULCAN MATERIALS	000004476	09/02/21	73048248	M22-001FH PAVING MATERIALS	\$88.49
	000004555	09/09/21	73058896	M22-001FH PAVING MATERIALS	\$169.86
		09/09/21	73041196	PAVING MATERIALS	\$90.98
		09/09/21	73058897	PAVING MATERIALS	\$170.69
	000004677	09/23/21	73063426	PAVING MATERIALS	\$90.15
		09/23/21	73060904	PAVING MATERIALS	\$88.49
	000004729	09/30/21	73067416	M22-001FH PAVING MATERIALS	\$189.26
		09/30/21	73065609	PAVING MATERIALS	\$144.12
		09/30/21	73070025	PAVING MATERIALS	\$176.99

Payment Listing by Class

9/1/2021 - 9/30/2021

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
VULCAN MATERIALS	000004729	09/30/21	73072400	M22-001FH PAVING MATERIALS	\$89.32
	4				\$1,298.35
WEST COAST SAND & GRAVEL	000004557	09/09/21	407927	FILL SAND	\$802.68
	1				\$802.68
Total WATER SYSTEM	37				\$69,805.01
Total Payments (All)	301				\$4,729,193.67



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: October 26, 2021
SUBJECT: Monthly Financial Reports

RECOMMENDATION

Receive and file the Monthly Financial Reports.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

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

FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: Monthly Treasurer's Status Report on Investments as of 9/30/21
Attachment B: Monthly Treasurer's Status Report on Investments as of 8/31/21

Mesa Water District
Quarterly Treasurer's Report on Investments
As of 09/30/2021



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	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%	1,083.43	0.00%	No Limit	1,083.43	0.88	1,4
Orange County Investment Pool (OCIP)	Liquid	1	0.50%	826,623.74	2.01%	No Limit	826,623.74	1,078.60	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	967	1.35%	10,625,000.00	26.25%	30.00%	10,770,728.26	37,121.18	
US Agency	Various	1,062	0.88%	15,636,055.29	38.03%	No Limit	15,602,507.25	23,468.75	
US Treasury	Various	1,259	0.47%	1,988,227.68	4.82%	No Limit	1,976,935.00	468.75	
Sub Total / Average		1,040	1.03%	28,249,282.97			28,350,170.51	61,058.68	
US Bank Custody Account	Liquid	1	0.01%	155,358.08	0.38%	No Limit	155,358.08	16.44	
Pacific Premier Bank	Liquid	1	1.25%	11,687,300.02	28.48%	No Limit	11,687,300.02	0.00	1,3
Total Average		719	1.08%	\$40,933,648.24	100.00%		\$41,034,535.78	\$62,154.60	

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	-3.71%	-1.60%	1,692,836.88	2,122,916.58
Pension Trust	-3.72%	-1.59%	12,784,213.04	16,095,924.84
			14,477,049.92	18,218,841.42

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 | 1.08 %

Benchmark: 3 Month Treasury Bill - September | .04 %

Weighted Average Maturity | 2.00 Years

Days to Maturity | 719

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

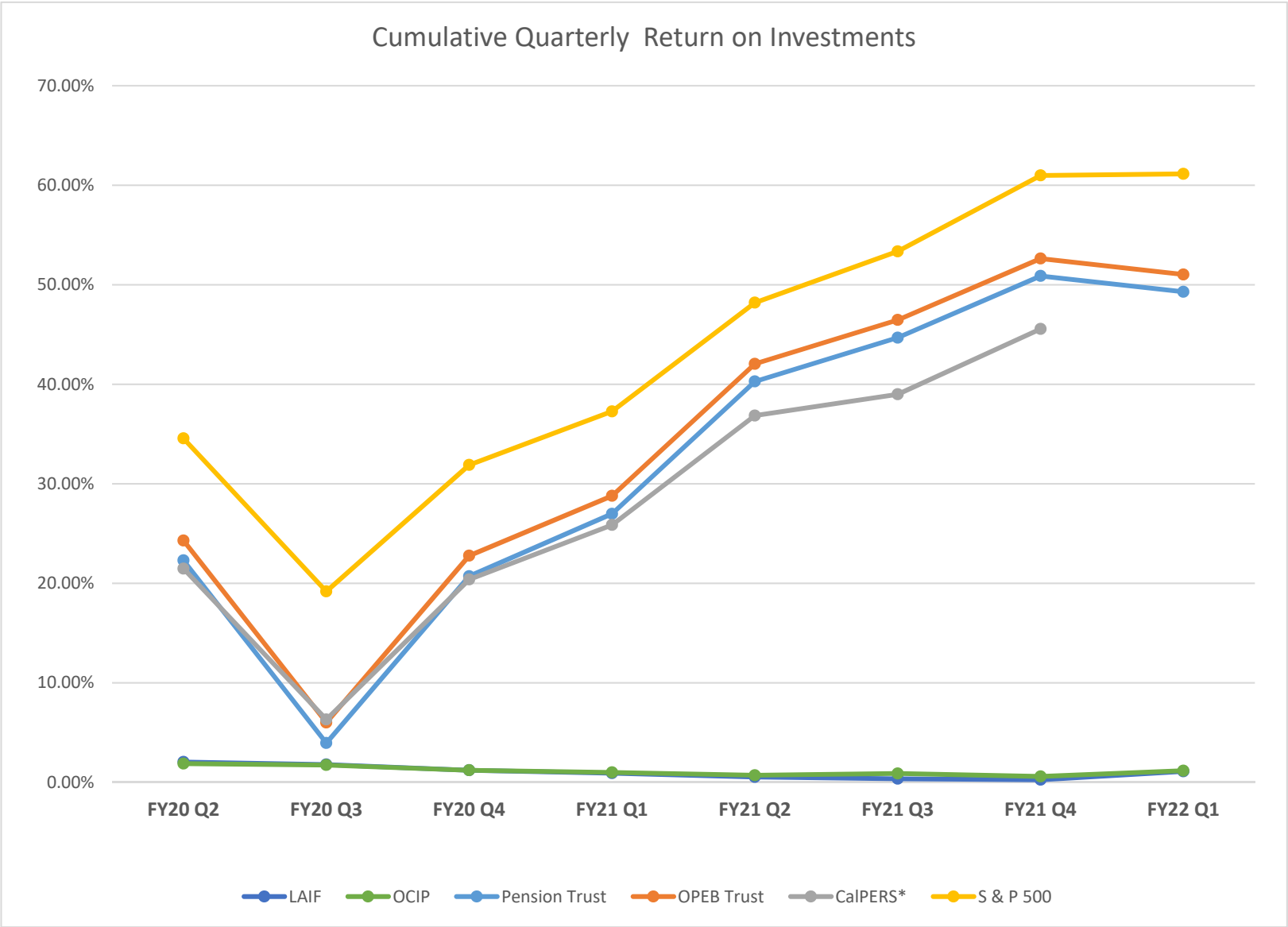
1 Month | -4.89 % 3 Month | 0.16 % 1 YEAR | 27.22 %

Notes

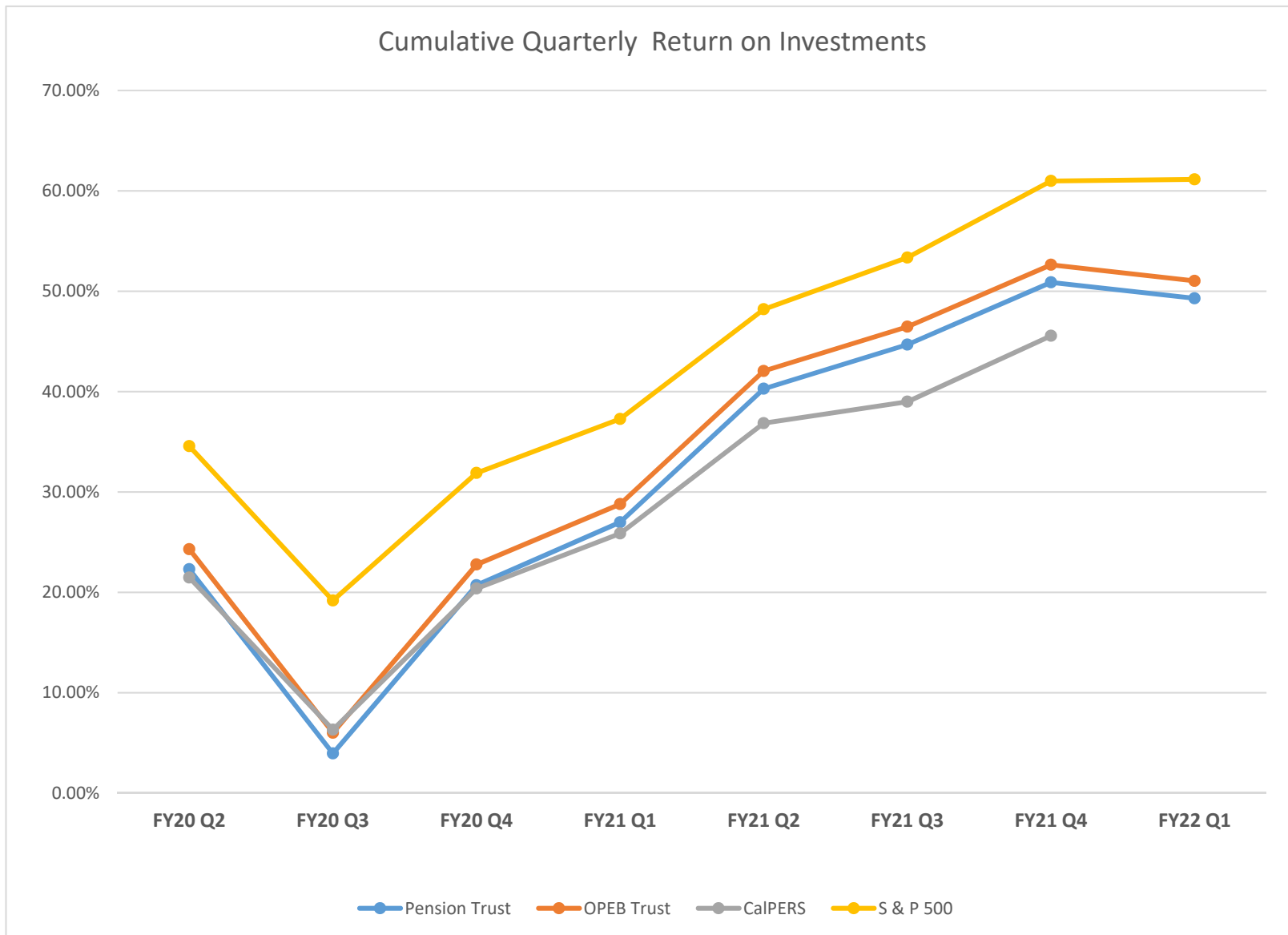
- The interest or yield shown is for the current month net of fees.
- The interest rate (Yield to Maturity @Cost) shown is the guaranteed annual interest rate for the term of the investment.
- The rate shown is the Earnings Credit Rate. These earnings are applied against bank service charges; no actual 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 September Fair Value Factor is 0.999873661. 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 - September 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 FY21 Q4 data was unavailable at time of publishing.



*** CalPERS FY21 Q4 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: 06/30/2021, End Date: 09/30/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
T-Note 0.375 4/30/2025	912828ZL7	0.555	7/1/2021	4/30/2025	250,000.00	248,296.00	157.95	248,453.95
Toyota Financial Savings NV 0.95 7/29/2026	89235MLE9	0.950	7/29/2021	7/29/2026	248,000.00	248,000.00	0.00	248,000.00
Transportation Alliance Bank 0.4 1/30/2025	89388CFD5	0.400	8/3/2021	1/30/2025	247,000.00	247,000.00	10.83	247,010.83
FHLB 0.53 2/10/2026	3130AKWW2	0.667	8/19/2021	2/10/2026	310,000.00	308,124.50	41.08	308,165.58
T-Note 0.375 4/30/2025	912828ZL7	0.450	8/19/2021	4/30/2025	250,000.00	249,312.75	282.78	249,595.53
T-Note 0.125 2/15/2024	91282CBM2	0.205	8/19/2021	2/15/2024	250,000.00	249,503.50	3.40	249,506.90
FHLB 0.625 2/24/2025-22	3130ANQ86	0.510	8/24/2021	2/24/2025	250,000.00	250,996.00	0.00	250,996.00
UBS Bank UT 0.95 8/25/2026	90348JS50	0.950	8/25/2021	8/25/2026	249,000.00	249,000.00	0.00	249,000.00
Synchrony Bank UT 0.55 9/3/2024	87164WA73	0.550	9/3/2021	9/3/2024	249,000.00	249,000.00	0.00	249,000.00
T-Note 0.25 6/15/2024	91282CCG4	0.329	9/24/2021	6/15/2024	250,000.00	249,464.78	172.47	249,637.25
T-Note 0.25 3/15/2024	91282CBR1	0.265	9/24/2021	3/15/2024	250,000.00	249,907.54	15.54	249,923.08
T-Note 0.625 7/31/2026	91282CCP4	0.750	9/24/2021	7/31/2026	250,000.00	248,512.75	233.53	248,746.28
FFCB 0.8 3/9/2026-23	3133EMSU7	0.736	9/24/2021	3/9/2026	250,000.00	250,702.50	83.33	250,785.83
FFCB 0.94 9/28/2026-22	3133EM6E7	0.869	9/28/2021	9/28/2026	250,000.00	250,862.50	0.00	250,862.50
Sub Total / Average Buy					3,553,000.00	3,548,682.82	1,000.91	3,549,683.73
Called								
FHLMC 0.4 10/23/2023-21	3134GV6D5	0.000	7/23/2021	10/23/2023	250,000.00	250,000.00	0.00	250,000.00
Sub Total / Average Called					250,000.00	250,000.00	0.00	250,000.00
Matured								
Wells Fargo SD 1.6 8/3/2021	9497486Z5	0.000	8/3/2021	8/3/2021	247,000.00	247,000.00	0.00	247,000.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	0.000	8/30/2021	8/30/2021	247,000.00	247,000.00	0.00	247,000.00
Mercantil Commerce Bank FL 1.65 9/28/2021	58733ADJ5	0.000	9/28/2021	9/28/2021	247,000.00	247,000.00	0.00	247,000.00
Sub Total / Average Matured					741,000.00	741,000.00	0.00	741,000.00

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: 9/30/2021

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
LAIF Policy - No Limit							
	LGIP0012	6/30/2010	N/A	N/A	1,083.43	0.88	0.00
Sub Total/Average					1,083.43	0.88	0.00
Orange County LGIP - OCIP Policy - No Limit							
Orange County Investment Pool LGIP	LGIP9LC	9/30/2011	N/A	N/A	826,623.74	1,078.60	0.00
Sub Total/Average					826,623.74	1,078.60	0.00
Miscellaneous Cash (Petty Emergency)							
Miscellaneous Cash	CASH	6/30/2015	N/A	N/A	14,000.00	0.00	0.00
Sub Total/Average					14,000.00	0.00	0.00
Negotiable CD 30%							
Wells Fargo SD 1.6 8/3/2021	9497486Z5	8/3/2016	8/3/2021	1.600	0.00	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	247,000.00	1,027.25	0.00
Bank of Baroda 1.85 11/23/2021	06062QXG4	11/23/2016	11/23/2021	1.850	247,000.00	0.00	0.00
First National Bank MI 2 1/20/2022	32110YJT3	1/20/2017	1/20/2022	2.000	201,000.00	1,013.25	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	0.00	0.00
Goldman Sachs NY 3.3 1/16/2024	38148P4E4	1/16/2019	1/16/2024	3.300	245,000.00	4,009.27	0.00
Merrick Bank UT 3 7/31/2023	59013J6G9	1/30/2019	7/31/2023	3.000	249,000.00	1,882.85	0.00
Morgan Stanley UT 3.05 1/31/2024	61690UDV9	1/31/2019	1/31/2024	3.050	246,000.00	3,720.67	0.00
Morgan Stanley NY 3.05 1/31/2024	61760AVF3	1/31/2019	1/31/2024	3.050	246,000.00	3,720.67	0.00
Capital One VA 2.65 5/22/2024	14042RLP4	5/22/2019	5/22/2024	2.650	246,000.00	0.00	0.00
Eaglebank MD 2.5 5/24/2024	27002YEN2	5/24/2019	5/24/2024	2.500	249,000.00	1,569.04	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	1,035.56	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	1,098.33	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
Raymond James Bank 1.75 11/8/2023	75472RAH4	11/8/2019	11/8/2023	1.750	247,000.00	0.00	0.00
Third Federal Savings 1.75 11/13/2023	88413QCJ5	11/12/2019	11/13/2023	1.750	247,000.00	0.00	0.00
Garnett State Bank 1.7 11/19/2024	366526AW1	11/19/2019	11/19/2024	1.700	249,000.00	1,066.96	0.00
Citizens State Bank 1.7 11/22/2024	176688CR8	11/22/2019	11/22/2024	1.700	249,000.00	1,066.96	0.00
Marlin Business Bank UT 1.7 12/4/2023	57116ATG3	12/2/2019	12/4/2023	1.700	249,000.00	1,066.96	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
Enerbank UT 1.15 4/29/2024	29278TNY2	4/29/2020	4/29/2024	1.150	249,000.00	721.76	0.00
First Freedom Bank 1.1 4/30/2024	32027BAM9	4/30/2020	4/30/2024	1.100	249,000.00	690.38	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	596.24	0.00
Seattle Bank WA 0.75 6/2/2025-20	81258PKJ1	6/2/2020	6/2/2025	0.750	249,000.00	470.71	0.00
Medallion Bank UT 0.6 7/15/2025	58404DHM6	7/15/2020	7/15/2025	0.600	249,000.00	376.57	0.00
Preferred Bank CA 0.25 7/17/2023	740367LV7	7/17/2020	7/17/2023	0.250	249,000.00	156.90	0.00
Bankwell Bank CT 0.35 1/30/2024	06654BCM1	7/30/2020	1/30/2024	0.350	249,000.00	432.17	0.00
BMW Bank UT 0.5 9/25/2025	05580AXF6	9/25/2020	9/25/2025	0.500	249,000.00	627.62	0.00
BMO Harris Bank IL 0.5 3/28/2025-20	05600XAY6	9/28/2020	3/28/2025	0.500	249,000.00	313.81	0.00
First Commercial Bank MS 0.3 3/31/2025	31984GFK0	9/30/2020	3/31/2025	0.300	249,000.00	188.28	0.00
Farm Bureau Bank NV 0.25 7/9/2024	307660LK4	10/9/2020	7/9/2024	0.250	249,000.00	156.90	0.00
Texas Exchange Bank TX 0.6 12/18/2025	88241TJR2	12/18/2020	12/18/2025	0.600	249,000.00	376.57	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	125.53	0.00
Live Oak Banking NC 0.5 2/10/2026	538036NE0	2/10/2021	2/10/2026	0.500	249,000.00	313.81	0.00
Luana Savings Bank IA 0.2 8/19/2024	549104WN3	2/19/2021	8/19/2024	0.200	249,000.00	246.95	0.00
Homestreet Bank WA 0.1 8/22/2022	43785QPQ0	2/22/2021	8/22/2022	0.100	249,000.00	62.77	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	167.82	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
Sub Total/Average					10,625,000.00	37,121.18	0.00

US Agency - No Limit

FHLB 2 11/10/2021-18	3130A9S44	11/10/2016	11/10/2021	2.000	750,000.00	0.00	0.00
FHLB 3 12/9/2022	3130AFE78	1/9/2019	12/9/2022	3.000	1,000,000.00	0.00	0.00
FAMC 3.05 9/19/2023	3132X06C0	1/9/2019	9/19/2023	3.050	500,000.00	7,625.00	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	3,437.50	0.00
FAMC 2.15 6/5/2024	31422BGA2	11/8/2019	6/5/2024	2.150	500,000.00	0.00	0.00
FNMA 1.875 4/5/2022	3135G0T45	3/23/2020	4/5/2022	1.875	500,000.00	0.00	0.00
FHLMC 0.7 5/13/2025-21	3134GVSY5	5/13/2020	5/13/2025	0.700	500,000.00	0.00	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
FHLMC 0.5 5/20/2024-22	3134GVXR4	5/21/2020	5/20/2024	0.500	500,000.00	0.00	0.00
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	1,687.50	0.00
FHLMC 0.375 7/14/2023-22	3134GV5F1	7/14/2020	7/14/2023	0.375	250,000.00	468.75	0.00
FHLMC 0.4 10/23/2023-21	3134GV6D5	7/23/2020	10/23/2023	0.400	0.00	500.00	0.00
FFCB 0.25 9/21/2023-22	3133EMAM4	9/24/2020	9/21/2023	0.250	500,000.00	625.00	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
FHLMC 0.4 9/30/2025-21	3134GWVP8	9/30/2020	9/30/2025	0.400	250,000.00	500.00	0.00
FNMA 0.54 11/3/2025-22	3135GA2G5	10/30/2020	11/3/2025	0.540	500,000.00	0.00	0.00
FFCB 0.27 11/3/2023-22	3133EMFN7	11/3/2020	11/3/2023	0.270	250,000.00	0.00	0.00
FNMA 0.375 8/25/2025	3135G05X7	11/12/2020	8/25/2025	0.375	250,000.00	468.75	0.00
FHLMC 0.3 11/13/2023-22	3134GXAY0	11/13/2020	11/13/2023	0.300	250,000.00	0.00	0.00
FNMA 0.56 11/17/2025-22	3135GA2Z3	11/17/2020	11/17/2025	0.560	325,000.00	0.00	0.00
FNMA 0.58 11/25/2025-22	3135GA5E7	11/30/2020	11/25/2025	0.580	250,000.00	0.00	0.00
FNMA 0.6 7/29/2025-22	3136G4D75	12/18/2020	7/29/2025	0.600	250,000.00	750.00	0.00
FFCB 0.47 12/22/2025-22	3133EMLC4	12/22/2020	12/22/2025	0.470	250,000.00	0.00	0.00
FFCB 0.125 5/3/2023-21	3133EMPA4	2/5/2021	5/3/2023	0.125	250,000.00	0.00	0.00
FFCB 0.32 2/3/2025-21	3133EMPV8	2/5/2021	2/3/2025	0.320	250,000.00	400.00	0.00
FHLB 0.625 2/24/2026-21	3130AL7M0	3/2/2021	2/24/2026	0.625	250,000.00	781.25	0.00
FFCB 0.45 2/2/2026-23	3133EMPD8	3/2/2021	2/2/2026	0.450	300,000.00	675.00	0.00
FFCB 0.3 11/12/2024-21	3133EMQQ8	3/2/2021	11/12/2024	0.300	250,000.00	0.00	0.00
FFCB 0.43 3/3/2025	3133EMSJ2	3/3/2021	3/3/2025	0.430	250,000.00	537.50	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 0.5 3/10/2025-21	3130ALDZ4	3/24/2021	3/10/2025	0.500	250,000.00	625.00	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
FFCB 0.25 3/1/2024-21	3133EMSD5	3/24/2021	3/1/2024	0.250	250,000.00	312.50	0.00
FHLMC 0.45 10/29/2025-21	3134GW3J3	4/22/2021	10/29/2025	0.450	250,000.00	0.00	0.00
FHLMC 1.03 4/29/2026-22	3130ALZM9	4/29/2021	4/29/2026	1.030	250,000.00	0.00	0.00
FNMA 0.5 8/14/2025-23	3135G05S8	4/29/2021	8/14/2025	0.500	250,000.00	625.00	0.00
FHLMC 0.65 10/27/2025-21	3134GW5R3	5/25/2021	10/27/2025	0.650	375,000.00	0.00	0.00
FHLB 0.875 5/26/2026-21	3130AMHB1	5/28/2021	5/26/2026	0.875	250,000.00	0.00	0.00
FFCB 0.53 9/29/2025-21	3133EMBH4	6/17/2021	9/29/2025	0.530	500,000.00	1,325.00	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
Sub Total/Average					15,560,000.00	23,468.75	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
US Treasury - No Limit							
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	468.75	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
Sub Total/Average					2,000,000.00	468.75	0.00
US Bank MM Custody							
US Bank Custodian MM	MM65000	7/31/2020	N/A	N/A	155,358.08	16.44	0.00
Sub Total/Average					155,358.08	16.44	0.00
Pacific Premier Bank Policy - n/a							
Pacific Premier Bank Checking Cash	MM0831	5/28/2020	N/A	N/A	11,687,300.02	0.00	0.00
Sub Total/Average					11,687,300.02	0.00	0.00
Total / Average					40,869,365.27	62,154.60	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 9/30/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS OPEB Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	4,670.94	114,767.04	167,078.27
DFA Large Cap	233203868	Mutual Fund	4,451.84	101,019.67	119,219.07
Dodge & Cox International	256206103	Mutual Fund	1,288.00	49,474.40	61,023.43
Dodge & Cox Stock Fund	256219106	Mutual Fund	619.28	112,183.30	146,151.28
Doubeline Core Fix Income	258620301	Mutual Fund	10,834.19	119,637.25	119,934.34
Harbor Capital Appreciation	411512528	Mutual Fund	791.80	62,711.14	90,953.84
Hartford Schroders	41665X859	Mutual Fund	5,397.77	94,225.63	107,469.73
iShares Russell Mid Cap	464287499	Mutual Fund	1,753.00	58,444.67	137,119.66
iShares SP500	464287408	Mutual Fund	468.00	60,987.17	68,056.56
MFS International	552746356	Mutual Fund	1,346.85	41,748.32	59,975.34
PGIM Total Return Bond	74440B884	Mutual Fund	8,207.84	120,661.46	119,751.40
PIMCO	693390841	Mutual Fund	3,085.84	27,874.01	28,019.39
Pimco Total Return Fund	693390700	Mutual Fund	11,610.24	122,200.92	120,282.02
Price T Rowe Growth	741479406	Mutual Fund	816.32	55,432.72	90,808.88
Undiscovered	904504479	Mutual Fund	1,582.91	100,621.84	127,677.52
US Bank PARS - OPEB Trust MM	MM4900	Money Market	22,018.57	22,018.57	22,018.57
Vanguard Growth & Income	921913208	Mutual Fund	2,996.70	224,112.62	323,675.16
Vanguard Real Estate	922908553	Mutual Fund	410.00	33,816.90	41,728.45
Vanguard Short Term	922031836	Mutual Fund	4,654.71	50,515.33	50,875.85
Victory RS	92647Q363	Mutual Fund	1,304.64	120,383.92	121,097.82
Sub Total / Average PARS OPEB Trust			88,309.44	1,692,836.88	2,122,916.58
Total / Average			88,309.44	1,692,836.88	2,122,916.58

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 9/30/2021

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS Pension Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	35,593.32	923,749.71	1,273,168.08
DFA Large Cap	233203868	Mutual Fund	33,921.02	763,053.21	908,398.59
Dodge & Cox International	256206103	Mutual Fund	9,813.94	404,242.25	464,977.89
Dodge & Cox Stock Fund	256219106	Mutual Fund	4,709.97	883,212.79	1,111,556.45
Doubeline Core Fix Income	258620301	Mutual Fund	82,552.80	906,886.64	913,859.19
Harbor Capital Appreciation	411512528	Mutual Fund	6,033.07	483,289.65	693,020.59
Hartford Schroders	41665X859	Mutual Fund	41,128.99	698,569.25	818,878.36
iShares Russell Mid Cap	464287499	Mutual Fund	13,348.00	297,802.75	1,044,080.56
iShares SP500	464287408	Mutual Fund	3,566.00	465,402.02	518,567.72
MFS International	552746356	Mutual Fund	10,262.53	344,461.21	456,990.82
PGIM Total Return Bond	74440B884	Mutual Fund	62,402.43	911,497.92	910,451.82
PIMCO	693390841	Mutual Fund	23,513.06	212,261.71	213,498.61
Pimco Total Return Fund	693390700	Mutual Fund	88,319.76	920,943.91	914,992.72
Price T Rowe Growth	741479406	Mutual Fund	6,220.00	437,076.12	691,914.12
Undiscovered	904504479	Mutual Fund	12,060.82	757,441.71	972,825.42
US Bank PARS - Pension Trust MM	MM4901	Money Market	94,403.84	94,403.84	94,403.84
Vanguard Growth & Income	921913208	Mutual Fund	22,833.84	1,741,485.28	2,466,282.94
Vanguard Real Estate	922908553	Mutual Fund	3,127.00	248,476.40	318,255.82
Vanguard Short Term	922031836	Mutual Fund	35,416.97	383,236.80	387,107.29
Victory RS	92647Q363	Mutual Fund	9,940.66	906,719.87	922,694.01
Sub Total / Average PARS Pension Trust			599,168.02	12,784,213.04	16,095,924.84
Total / Average			599,168.02	12,784,213.04	16,095,924.84

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS OPEB Trust
Begin Date: 06/30/2021, End Date: 09/30/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
PIMCO	693390841	0.000	7/26/2021	N/A	216.834	1,975.36	0.00	1,975.36
Hartford Schroders	41665X859	0.000	7/26/2021	N/A	580.319	11,844.32	0.00	11,844.32
iShares SP500	464287408	0.000	7/26/2021	N/A	40.00	5,910.20	0.00	5,910.20
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	2.00	211.57	0.00	211.57
DFA Large Cap	233203868	0.000	7/26/2021	N/A	1,283.251	35,186.74	0.00	35,186.74
Undiscovered	904504479	0.000	7/26/2021	N/A	202.518	16,073.85	0.00	16,073.85
Dodge & Cox Stock Fund	256219106	0.000	7/26/2021	N/A	48.861	11,618.15	0.00	11,618.15
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	19.289	201.96	0.00	201.96
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	700.347	7,311.62	0.00	7,311.62
Dodge & Cox International	256206103	0.000	7/26/2021	N/A	127.569	6,120.74	0.00	6,120.74
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	17.073	253.53	0.00	253.53
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	401.006	5,942.91	0.00	5,942.91
MFS International	552746356	0.000	7/26/2021	N/A	72.685	3,329.70	0.00	3,329.70
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	5.731	62.98	0.00	62.98
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	361.52	3,969.49	0.00	3,969.49
Victory RS	92647Q363	0.000	7/26/2021	N/A	56.502	5,585.76	0.00	5,585.76
Doubeline Core Fix Income	258620301	0.000	7/26/2021	N/A	761.937	8,533.69	0.00	8,533.69
iShares Russell Mid Cap	464287499	0.000	7/26/2021	N/A	77.00	6,121.12	0.00	6,121.12
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	17.299	180.60	0.00	180.60
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	18.477	273.27	0.00	273.27
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	6.54	71.74	0.00	71.74
Vanguard Real Estate	922908553	0.000	9/14/2021	N/A	2.00	213.69	0.00	213.69
iShares Russell Mid Cap	464287499	0.000	9/14/2021	N/A	203.00	16,293.98	0.00	16,293.98
PIMCO	693390841	0.000	9/15/2021	N/A	22.836	208.95	0.00	208.95
iShares SP500	464287408	0.000	9/15/2021	N/A	5.00	740.18	0.00	740.18
Undiscovered	904504479	0.000	9/15/2021	N/A	129.936	10,506.59	0.00	10,506.59
PGIM Total Return Bond	74440B884	0.000	9/15/2021	N/A	91.776	1,360.12	0.00	1,360.12
Victory RS	92647Q363	0.000	9/15/2021	N/A	161.488	15,856.47	0.00	15,856.47
Doubeline Core Fix Income	258620301	0.000	9/15/2021	N/A	154.331	1,726.96	0.00	1,726.96
Dodge & Cox Stock Fund	256219106	0.000	9/27/2021	N/A	1.147	278.16	0.00	278.16
Pimco Total Return Fund	693390700	0.000	9/30/2021	N/A	19.159	198.49	0.00	198.49
Pimco Total Return Fund	693390700	0.000	9/30/2021	N/A	108.251	1,132.31	0.00	1,132.31

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
PGIM Total Return Bond	74440B884	0.000	9/30/2021	N/A	18.123	264.41	0.00	264.41
Vanguard Short Term	922031836	0.000	9/30/2021	N/A	6.552	71.61	0.00	71.61
Vanguard Short Term	922031836	0.000	9/30/2021	N/A	50.365	552.00	0.00	552.00
Sub Total / Average Buy					5,990.722	180,183.22	0.00	180,183.22

Dividend								
DFA Large Cap	233203868	0.000	7/1/2021	N/A	0.00	0.00	885.96	885.96
PIMCO	693390841	0.000	7/31/2021	N/A	0.00	0.00	101.06	101.06
Pimco Total Return Fund	693390700	0.000	7/31/2021	N/A	0.00	0.00	201.96	201.96
PGIM Total Return Bond	74440B884	0.000	7/31/2021	N/A	0.00	0.00	253.53	253.53
Vanguard Short Term	922031836	0.000	7/31/2021	N/A	0.00	0.00	62.98	62.98
Doubeline Core Fix Income	258620301	0.000	7/31/2021	N/A	0.00	0.00	262.59	262.59
PIMCO	693390841	0.000	8/31/2021	N/A	0.00	0.00	100.50	100.50
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	0.00	0.00	180.60	180.60
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	0.00	0.00	273.27	273.27
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	0.00	0.00	71.74	71.74
Doubeline Core Fix Income	258620301	0.000	8/31/2021	N/A	0.00	0.00	287.97	287.97
Doubeline Core Fix Income	258620301	0.000	9/1/2021	N/A	0.00	0.00	263.82	263.82
Dodge & Cox Stock Fund	256219106	0.000	9/27/2021	N/A	0.00	0.00	278.16	278.16
Vanguard Real Estate	922908553	0.000	9/29/2021	N/A	0.00	0.00	269.37	269.37
PIMCO	693390841	0.000	9/30/2021	N/A	0.00	0.00	102.86	102.86
iShares SP500	464287408	0.000	9/30/2021	N/A	0.00	0.00	398.91	398.91
Pimco Total Return Fund	693390700	0.000	9/30/2021	N/A	0.00	0.00	198.49	198.49
PGIM Total Return Bond	74440B884	0.000	9/30/2021	N/A	0.00	0.00	264.41	264.41
Vanguard Short Term	922031836	0.000	9/30/2021	N/A	0.00	0.00	71.61	71.61
iShares Russell Mid Cap	464287499	0.000	9/30/2021	N/A	0.00	0.00	462.55	462.55
Sub Total / Average Dividend					0.00	0.00	4,992.34	4,992.34

Sell								
Vanguard Growth & Income	921913208	0.000	7/26/2021	N/A	57.77	6,406.23	0.00	6,406.23
Columbia Contrarian Fund	19766M709	0.000	7/26/2021	N/A	110.72	4,113.25	0.00	4,113.25
Price T Rowe Growth	741479406	0.000	7/26/2021	N/A	29.63	3,452.13	0.00	3,452.13
Harbor Capital Appreciation	411512528	0.000	7/26/2021	N/A	57.47	6,866.97	0.00	6,866.97
Hartford Schroders	41665X859	0.000	9/15/2021	N/A	1,930.82	39,852.04	0.00	39,852.04
Vanguard Growth & Income	921913208	0.000	9/15/2021	N/A	37.53	4,221.15	0.00	4,221.15
DFA Large Cap	233203868	0.000	9/15/2021	N/A	108.28	3,053.58	0.00	3,053.58
Dodge & Cox Stock Fund	256219106	0.000	9/15/2021	N/A	1.56	375.68	0.00	375.68
Dodge & Cox International	256206103	0.000	9/15/2021	N/A	5.68	275.52	0.00	275.52
MFS International	552746356	0.000	9/15/2021	N/A	0.54	24.99	0.00	24.99
Price T Rowe Growth	741479406	0.000	9/15/2021	N/A	3.49	407.80	0.00	407.80

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Harbor Capital Appreciation	411512528	0.000	9/15/2021	N/A	0.87	105.51	0.00	105.51
Harbor Capital Appreciation	411512528	0.000	9/15/2021	N/A	6.04	729.03	0.00	729.03
Sub Total / Average Sell					2,350.40	69,883.88	0.00	69,883.88

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS Pension Trust
Begin Date: 06/30/2021, End Date: 09/30/2021

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
PIMCO	693390841	0.000	7/26/2021	N/A	310.942	2,832.68	0.00	2,832.68
Hartford Schroders	41665X859	0.000	7/26/2021	N/A	1,147.63	23,423.12	0.00	23,423.12
iShares SP500	464287408	0.000	7/26/2021	N/A	106.00	15,662.03	0.00	15,662.03
DFA Large Cap	233203868	0.000	7/26/2021	N/A	8,318.19	228,084.69	0.00	228,084.69
Undiscovered	904504479	0.000	7/26/2021	N/A	972.038	77,150.64	0.00	77,150.64
Dodge & Cox Stock Fund	256219106	0.000	7/26/2021	N/A	118.162	28,096.52	0.00	28,096.52
Pimco Total Return Fund	693390700	0.000	7/26/2021	N/A	538.304	5,619.89	0.00	5,619.89
Dodge & Cox International	256206103	0.000	7/26/2021	N/A	427.326	20,503.09	0.00	20,503.09
Vanguard Short Term	922031836	0.000	7/26/2021	N/A	854.996	9,387.86	0.00	9,387.86
Doubeline Core Fix Income	258620301	0.000	7/26/2021	N/A	1,123.59	12,584.26	0.00	12,584.26
iShares SP500	464287408	0.000	9/14/2021	N/A	5.00	740.16	0.00	740.16
iShares Russell Mid Cap	464287499	0.000	9/14/2021	N/A	1,423.00	114,218.38	0.00	114,218.38
Undiscovered	904504479	0.000	9/15/2021	N/A	876.78	70,896.40	0.00	70,896.40
Pimco Total Return Fund	693390700	0.000	9/15/2021	N/A	312.409	3,267.80	0.00	3,267.80
PGIM Total Return Bond	74440B884	0.000	9/15/2021	N/A	412.812	6,117.87	0.00	6,117.87
Vanguard Short Term	922031836	0.000	9/15/2021	N/A	156.384	1,713.97	0.00	1,713.97
Victory RS	92647Q363	0.000	9/15/2021	N/A	1,152.06	113,120.94	0.00	113,120.94
Doubeline Core Fix Income	258620301	0.000	9/15/2021	N/A	433.499	4,850.85	0.00	4,850.85
Sub Total / Average Buy					18,689.122	738,271.15	0.00	738,271.15

Dividend								
DFA Large Cap	233203868	0.000	7/1/2021	N/A	0.00	0.00	7,235.29	7,235.29
PIMCO	693390841	0.000	7/31/2021	N/A	0.00	0.00	815.80	815.80
Pimco Total Return Fund	693390700	0.000	7/31/2021	N/A	0.00	0.00	1,625.93	1,625.93
PGIM Total Return Bond	74440B884	0.000	7/31/2021	N/A	0.00	0.00	2,045.55	2,045.55
Vanguard Short Term	922031836	0.000	7/31/2021	N/A	0.00	0.00	507.42	507.42
Doubeline Core Fix Income	258620301	0.000	7/31/2021	N/A	0.00	0.00	2,144.51	2,144.51
Doubeline Core Fix Income	258620301	0.000	8/2/2021	N/A	0.00	0.00	2,214.25	2,214.25
PIMCO	693390841	0.000	8/31/2021	N/A	0.00	0.00	772.68	772.68
Pimco Total Return Fund	693390700	0.000	8/31/2021	N/A	0.00	0.00	1,386.38	1,386.38
PGIM Total Return Bond	74440B884	0.000	8/31/2021	N/A	0.00	0.00	2,096.85	2,096.85
Vanguard Short Term	922031836	0.000	8/31/2021	N/A	0.00	0.00	550.87	550.87

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Doueline Core Fix Income	258620301	0.000	9/1/2021	N/A	0.00	0.00	2,028.53	2,028.53
Dodge & Cox Stock Fund	256219106	0.000	9/28/2021	N/A	0.00	0.00	2,119.48	2,119.48
Vanguard Real Estate	922908553	0.000	9/29/2021	N/A	0.00	0.00	2,054.44	2,054.44
PIMCO	693390841	0.000	9/30/2021	N/A	0.00	0.00	787.20	787.20
iShares SP500	464287408	0.000	9/30/2021	N/A	0.00	0.00	3,039.58	3,039.58
Pimco Total Return Fund	693390700	0.000	9/30/2021	N/A	0.00	0.00	1,516.85	1,516.85
PGIM Total Return Bond	74440B884	0.000	9/30/2021	N/A	0.00	0.00	2,019.82	2,019.82
Vanguard Short Term	922031836	0.000	9/30/2021	N/A	0.00	0.00	547.22	547.22
iShares Russell Mid Cap	464287499	0.000	9/30/2021	N/A	0.00	0.00	3,522.00	3,522.00
Sub Total / Average Dividend					0.00	0.00	39,030.65	39,030.65

Sell

Vanguard Growth & Income	921913208	0.000	7/26/2021	N/A	1,784.15	197,844.39	0.00	197,844.39
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	42.00	4,440.00	0.00	4,440.00
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	59.00	6,237.15	0.00	6,237.15
Vanguard Real Estate	922908553	0.000	7/26/2021	N/A	72.00	7,611.44	0.00	7,611.44
Columbia Contrarian Fund	19766M709	0.000	7/26/2021	N/A	3,132.38	116,367.95	0.00	116,367.95
PGIM Total Return Bond	74440B884	0.000	7/26/2021	N/A	288.81	4,280.13	0.00	4,280.13
MFS International	552746356	0.000	7/26/2021	N/A	51.95	2,379.92	0.00	2,379.92
Price T Rowe Growth	741479406	0.000	7/26/2021	N/A	633.07	73,752.31	0.00	73,752.31
Victory RS	92647Q363	0.000	7/26/2021	N/A	86.87	8,587.57	0.00	8,587.57
Harbor Capital Appreciation	411512528	0.000	7/26/2021	N/A	850.43	101,618.00	0.00	101,618.00
iShares Russell Mid Cap	464287499	0.000	7/26/2021	N/A	104.00	8,260.15	0.00	8,260.15
PIMCO	693390841	0.000	9/15/2021	N/A	41.64	381.01	0.00	381.01
Hartford Schroders	41665X859	0.000	9/15/2021	N/A	15,134.83	312,382.85	0.00	312,382.85
Vanguard Growth & Income	921913208	0.000	9/15/2021	N/A	498.27	56,045.19	0.00	56,045.19
Vanguard Real Estate	922908553	0.000	9/15/2021	N/A	13.00	1,386.43	0.00	1,386.43
DFA Large Cap	233203868	0.000	9/15/2021	N/A	1,157.86	32,651.51	0.00	32,651.51
Dodge & Cox Stock Fund	256219106	0.000	9/15/2021	N/A	56.48	13,558.50	0.00	13,558.50
Columbia Contrarian Fund	19766M709	0.000	9/15/2021	N/A	324.13	12,031.82	0.00	12,031.82
Dodge & Cox International	256206103	0.000	9/15/2021	N/A	136.43	6,623.82	0.00	6,623.82
MFS International	552746356	0.000	9/15/2021	N/A	95.61	4,424.83	0.00	4,424.83
Price T Rowe Growth	741479406	0.000	9/15/2021	N/A	83.93	9,815.85	0.00	9,815.85
Harbor Capital Appreciation	411512528	0.000	9/15/2021	N/A	13.02	1,572.08	0.00	1,572.08
Harbor Capital Appreciation	411512528	0.000	9/15/2021	N/A	95.55	11,534.01	0.00	11,534.01
Sub Total / Average Sell					24,755.41	993,786.91	0.00	993,786.91

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



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

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

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

Local Agency Investment Fund (LAIF)

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

Orange County Treasurer's Investment Pool (OCIP)

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

Weighted Average Return

Mesa Water® Funds | 1.067%

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

Weighted Average Maturity

Years | 1.90

Days to Maturity | 688

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

1 Month | 2.90 %

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

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

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

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

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

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	0.00	0.00
FHLMC 0.375 7/14/2023-22	3134GV5F1	7/14/2020	7/14/2023	0.375	250,000.00	0.00	0.00
FFCB 0.25 9/21/2023-22	3133EMAM4	9/24/2020	9/21/2023	0.250	500,000.00	0.00	0.00
FHLMC 0.35 9/30/2024-22	3134GWVM5	9/30/2020	9/30/2024	0.350	250,000.00	0.00	0.00
FHLMC 0.4 9/30/2025-21	3134GWVP8	9/30/2020	9/30/2025	0.400	250,000.00	0.00	0.00
FNMA 0.54 11/3/2025-22	3135GA2G5	10/30/2020	11/3/2025	0.540	500,000.00	0.00	0.00
FFCB 0.27 11/3/2023-22	3133EMFN7	11/3/2020	11/3/2023	0.270	250,000.00	0.00	0.00
FNMA 0.375 8/25/2025	3135G05X7	11/12/2020	8/25/2025	0.375	250,000.00	468.75	0.00
FHLMC 0.3 11/13/2023-22	3134GXAY0	11/13/2020	11/13/2023	0.300	250,000.00	0.00	0.00
FNMA 0.56 11/17/2025-22	3135GA2Z3	11/17/2020	11/17/2025	0.560	325,000.00	0.00	0.00
FNMA 0.58 11/25/2025-22	3135GA5E7	11/30/2020	11/25/2025	0.580	250,000.00	0.00	0.00
FNMA 0.6 7/29/2025-22	3136G4D75	12/18/2020	7/29/2025	0.600	250,000.00	0.00	0.00
FFCB 0.47 12/22/2025-22	3133EMLC4	12/22/2020	12/22/2025	0.470	250,000.00	0.00	0.00
FFCB 0.125 5/3/2023-21	3133EMPA4	2/5/2021	5/3/2023	0.125	250,000.00	0.00	0.00
FFCB 0.32 2/3/2025-21	3133EMPV8	2/5/2021	2/3/2025	0.320	250,000.00	400.00	0.00
FHLB 0.625 2/24/2026-21	3130AL7M0	3/2/2021	2/24/2026	0.625	250,000.00	781.25	0.00
FFCB 0.45 2/2/2026-23	3133EMPD8	3/2/2021	2/2/2026	0.450	300,000.00	675.00	0.00
FFCB 0.3 11/12/2024-21	3133EMQQ8	3/2/2021	11/12/2024	0.300	250,000.00	0.00	0.00
FFCB 0.43 3/3/2025	3133EMSJ2	3/3/2021	3/3/2025	0.430	250,000.00	0.00	0.00
FHLB 0.6 3/10/2026-21	3130ALFX7	3/10/2021	3/10/2026	0.600	250,000.00	0.00	0.00
FHLB 0.5 3/10/2025-21	3130ALDZ4	3/24/2021	3/10/2025	0.500	250,000.00	0.00	0.00
FHLB 0.75 3/16/2026-21	3130ALF33	3/24/2021	3/16/2026	0.750	250,000.00	0.00	0.00
FFCB 0.25 3/1/2024-21	3133EMSD5	3/24/2021	3/1/2024	0.250	250,000.00	0.00	0.00
FHLMC 0.45 10/29/2025-21	3134GW3J3	4/22/2021	10/29/2025	0.450	250,000.00	0.00	0.00
FHLMC 1.03 4/29/2026-22	3130ALZM9	4/29/2021	4/29/2026	1.030	250,000.00	0.00	0.00
FNMA 0.5 8/14/2025-23	3135G05S8	4/29/2021	8/14/2025	0.500	250,000.00	625.00	0.00
FHLMC 0.65 10/27/2025-21	3134GW5R3	5/25/2021	10/27/2025	0.650	375,000.00	0.00	0.00
FHLB 0.875 5/26/2026-21	3130AMHB1	5/28/2021	5/26/2026	0.875	250,000.00	0.00	0.00
FFCB 0.53 9/29/2025-21	3133EMBH4	6/17/2021	9/29/2025	0.530	500,000.00	0.00	0.00
FFCB 0.9 6/15/2026-22	3133EMH21	6/17/2021	6/15/2026	0.900	250,000.00	0.00	0.00
FFCB 0.6 6/16/2025-22	3133EMH47	6/17/2021	6/16/2025	0.600	250,000.00	0.00	0.00
FHLB 0.53 2/10/2026	3130AKWW2	8/19/2021	2/10/2026	0.530	310,000.00	0.00	0.00
FHLB 0.625 2/24/2025-22	3130ANQ86	8/24/2021	2/24/2025	0.625	250,000.00	0.00	0.00
Sub Total/Average					15,060,000.00	2,950.00	0.00

US Treasury - No Limit

T-Note 0.25 6/30/2025 T-Note 0.375	912828ZW3	4/22/2021	6/30/2025	0.250	250,000.00	0.00	0.00
1/31/2026 T-Note 0.375 4/30/2025	91282CBH3	4/29/2021	1/31/2026	0.375	250,000.00	0.00	0.00
	912828ZL7	7/1/2021	4/30/2025	0.375	250,000.00	0.00	0.00

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

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

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

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

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

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

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

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

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



MONTHLY COMMITTEE

Major Staff Projects

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



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: October 26, 2021
SUBJECT: State Advocacy Update

RECOMMENDATION

Receive and file the State Advocacy Update.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

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

DISCUSSION

An updated State Advocacy report will be provided at the October 26, 2021 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$55,150 has been spent to date.

ATTACHMENTS

None.



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Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: October 26, 2021
SUBJECT: Orange County Update

RECOMMENDATION

Receive and file the Orange County Update.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

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

DISCUSSION

Mesa Water District's (Mesa Water®) 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 October 26, 2021 meeting.

FINANCIAL IMPACT

In Fiscal Year 2022, \$235,000 is budgeted for Support Services; \$55,150 has been spent to date.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Celeste Carrillo, Public Affairs Coordinator
DATE: October 26, 2021
SUBJECT: Outreach Update

RECOMMENDATION

Receive and file the Outreach Update.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

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

DISCUSSION

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

Upcoming Fiscal Year 2022 Events

No Upcoming Events

The benefits of Mesa Water's outreach program include:

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



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

FINANCIAL IMPACT

In Fiscal Year 2022, \$590,920 is budgeted for Public Affairs Support Services; \$145,465 has been spent to date.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Denise Garcia, Administrative Services Manager
DATE: October 26, 2021
SUBJECT: California Special Districts Association Proposed Bylaws Update

RECOMMENDATION

Approve support for the proposed updates to the California Special Districts Association bylaws, and authorize President Marice H. DePasquale to cast the District's ballot.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.
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

The California Special Districts Association (CSDA) is conducting an election in order to have its membership vote on proposed updates to the association's bylaws which have been reviewed and approved by CSDA's Board of Directors.

The last CSDA bylaws updates were made in 2016 with the primary change being the addition of electronic voting for elections and other matters that require Regular Member approval.

Following receipt of feedback and suggestions over the last few years from members, CSDA has conducted a review of the CSDA Bylaws and made the necessary updates as well as additions or improvements. There are numerous minor verbiage and grammar updates as well as more significant proposed updates that are listed in summary below:

- Revised Rights of Regular Membership;
- A new category for Retired Non-Voting Individual Membership;
- A new section on the use of "member" in reference to Associate Members and Business Affiliate Members;
- Updates to the Termination of Membership section and adds a section regarding Procedure for Termination of Membership;
- Clarification on the process for handling a vacancy on the Board of Directors outside of nomination period;
- New Annual Report section added; and
- A new section prohibiting dual directorships with CSDA's Alliance partner, Special District Risk Management Authority (SDRMA).

Attached is a redline version of the proposed updates to the bylaws. The ballot must be received by CSDA by Friday, November 12, 2021 at 5:00 p.m.



FINANCIAL IMPACT

In Fiscal Year 2022, \$7,850 is budgeted for the CSDA membership in the District Memberships account.

ATTACHMENTS

- Attachment A: CSDA Correspondence
- Attachment B: CSDA Online Voting Ballot
- Attachment C: CSDA Bylaws, Redline

Dear CSDA Regular Voting Member:

The last CSDA bylaws updates were made in 2016 with the primary change being the addition of electronic voting for elections and other matters that require Regular Member approval.

Following receipt of feedback and suggestions over the last few years from members, CSDA has conducted a review of the CSDA Bylaws making the necessary updates as well as additions or improvements. There are numerous minor verbiage and grammar updates as well as more significant proposed updates that are listed in summary below and in detail in the mark-up form via the link provided below:

- Revised Rights of Regular Membership;
- A new category for Retired Non-Voting Individual Membership;
- A new section on the use of “member” in reference to Associate Members and Business Affiliate Members;
- Updates to the Termination of Membership section and adds a section regarding Procedure for Termination of Membership;
- Clarification on the process for handling a vacancy on the Board of Directors outside of nomination period;
- New Annual Report section added; and
- A new section prohibiting dual directorships with CSDA’s Alliance partner, Special District Risk Management Authority (SDRMA)

[A full copy of the CSDA Bylaws, including the tracked changes are attached.](#)

A link to an electronic CSDA Bylaws Update Approval is below. Please vote “yes” or “no”.
To vote, please visit: <https://CSDA.simplyvoting.com/>

Then enter your specific voting credentials as listed below:

Elector ID - [REDACTED]
Password - [REDACTED]

Or follow this link to access the ballot directly:

[REDACTED]

The deadline to complete your voting through the system is November 12, 2021 at 5:00 pm.

If you have any questions please contact Amber Phelen at 916.442.7887 or amberp@csda.net

Thank you!



- Home
- How It Works
- Logout **Amber Phelen**

CSDA Bylaws Updates

[Click here to review a copy of the 2021 CSDA Bylaws Updates.](#)

This question is **required**. You may select **one** of the following.

Yes

No

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT



BYLAWS

California Special Districts Association

Approved Bylaw Revision Dates:

Revised 1996

Revised 1999

Revised 2004

Revised October 1, 2009

Revised August 2, 2010

Revised August 1, 2011

Revised July 1, 2014

Revised July 1, 2016

[Revised November XX, 2021](#)

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EXHIBIT A28

ARTICLE I – GENERAL

Section 1. Purpose:

In addition to the general and specific purposes set forth in the Articles of Incorporation of the California Special Districts Association ([hereinafter referred to as "CSDA"](#)), CSDA will provide outreach, [advocacy, professional development, information, and other various services to member districts](#). CSDA will interact [and collaborate, where appropriate](#), with the associations and groups that support or oppose its membership's interests. [The control and governance of CSDA shall be the responsibility of CSDA's Board of Directors \(the "Board of Directors"\)](#).

Section 2. CSDA Networks:

The state of California shall be divided along county boundaries into six voting networks. The areas of the networks [are](#) determined by the Board of Directors of CSDA.

Section 3. Principal Office:

The principal business office of CSDA [is](#) located [at 1112 I Street, Suite 200, Sacramento, California 95814](#). [The Board of Directors shall have authority to change the principal office from one location to another](#).

ARTICLE II – MEMBERSHIP

Section 1. Qualification of Membership:

There may be several classes of membership in CSDA, as determined by the Board of Directors. The following classes have been adopted:

A. Regular Voting Members:

Regular voting members shall be any public agency formed pursuant to either general law or special act for the local performance of governmental or proprietary functions within limited boundaries, and which meets any one of the following criteria:

1. Meets the definition of "independent special district" set forth in Government Code Section 56044 by having a legislative body comprised entirely of elected members, or which members are appointed to fixed terms; or
2. The following public agencies: (a) air quality management districts; (b) air
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The following public agencies: (a) air quality
 management districts; (b) air pollution control districts; (c) county water agencies or authorities; (d) transit or rapid transit districts, or transportation authorities; (e) metropolitan water districts; (f) flood control or water conservation districts; (g) sanitation agencies.

Commented [MH1]: This was removed because it conflicts with the remaining portion of the provision and does not provide clarity on whom is included or excluded.

Regular voting members shall not include any state, cities, counties, school districts, community college districts, local agency formation commissions (LAFCOs), dependent districts, or joint powers authorities (JPAs) except as may be specifically referenced above.

Rights of Regular Membership: Regular voting members have voting privileges and may hold seats on the Board of Directors, All Regular Members shall have the right to vote, as set forth in these bylaws, on the election of directors, on the disposition of all or substantially all of the corporation's assets, on any merger and its principal terms and any amendment of those terms, and on any election to dissolve the corporation. In addition, Regular Members shall have all rights afforded members under the California Nonprofit Public Benefit Corporation Law.

Commented [NM2]: New provision based on CA Nonprofit Law

B. Associate Non-Voting Members:

Associate members shall be public agencies such as dependent districts composed of appointees from a single public agency, cities, counties, joint powers authorities, and other public agencies that do not satisfy the criteria for regular voting membership specified in Section A above.

Associate members have no voting privileges, except as approved members on a CSDA committee, and may not hold a seat on the Board of Directors.

C. Business Affiliate Non-Voting Members:

Business Affiliate members shall be those businesses or organizations that provide services to special districts and have evidenced interest in the purposes and goals of CSDA. Business Affiliates have no voting privileges, except as approved members on a CSDA committee, and may not hold a seat on the Board of Directors.

D. Retired Non-Voting Member (Individual Membership):

Retired Individual members shall be those persons that are retired from service as a staff or board member at a special district and have at least 1 year of previous service.

Retired members shall not be affiliated with or serve as a consultant to any agency eligible for regular, associate, or business affiliate membership in CSDA. Retired members cannot be employed by a company that provides services or products to special districts.

Retired members have no voting privileges and may not hold a seat on the CSDA Board of Directors. Retired members may hold a seat and may have voting privileges on any CSDA committee, with the exception of the Legislative Committee.

CSDA benefits available to retired members shall be determined by the CSDA Board of Directors.

Commented [NM3]: New provision adding individual membership category for those that wish to stay involved/informed after retirement

Section 2. Membership Application:

Application for membership to CSDA will be directed to staff, who will determine if the applicant's interest and purpose is in common with CSDA. If the applicant meets the requirements of membership, the Board of Directors shall approve the new member by a majority vote of the Board. Acceptance to membership shall authorize participation in CSDA activities as specified in these Bylaws. The Board shall retain the authority to deny membership in CSDA at its discretion.

Section 3. Membership Dues:

The membership dues of CSDA shall be established annually by a majority vote of the Board of Directors at a scheduled Board meeting. Authority to adjust the dues shall remain with the Board of Directors.

Section 4. Membership Voting:

Matters to be voted upon by the authorized voting membership shall be determined by the Board of Directors in accordance with these Bylaws. Only those matters of which notice has been given to voting members by CSDA may be voted upon.

A. Voting Designee:

In accordance with these Bylaws, regular voting members in good standing shall have voting privileges. The governing body of each regular voting member shall designate one representative from their respective district who shall have the authority to exercise the right of the regular voting member to vote. Such voting designee shall be a Board member or managerial employee of the regular voting member.

B. Voting Authorization:

Regular voting members who have paid the required dues as set by the Board of Directors are members in good standing. Each regular voting member in good standing shall be entitled to one vote on all matters brought before the membership for vote at any meeting or by ballot.

C. Non-Voting Members:

CSDA may refer to Associate Members and Business Affiliate Members or other persons or entities associated with it, as "members", even though those persons or entities are not voting Regular Members as set forth in Article II Section I A hereof. No such reference as "members" shall constitute anyone as a voting member of this corporation unless that person or entity has qualified for voting Regular Membership pursuant to Article II Section I A of these Bylaws. The Board of Directors may adopt policies which grant some or all of the rights of a Regular Member, other than voting rights, to an Associate Member or Business Affiliate Member, but no such person or entity shall be a Regular Member by virtue of such grant of rights.

Commented [NM4]: New provision clarifying the term 'members' and related references to the term

Section 5. Membership Quorum:

A. Meeting Quorum:

Twenty-five voting designees, as defined in Article II, Section 4, present at any annual or special meeting of the CSDA shall constitute a quorum. No regular voting member shall have the right to vote by means of an absentee or proxy ballot.

B. Mailed or Electronic Ballot Quorum:

Mail ballots or electronic ballots received from 25 voting designees officially designated by each regular voting member shall constitute a quorum. Each regular voting member shall be entitled to one vote. No regular voting member shall have the right to vote by means of a proxy.

Section 6. Membership Meetings:

A. Annual Business Meeting:

The annual business meeting of the members shall be held at the Annual CSDA Conference at such time and place as determined by the Board of Directors. Written notice of the annual business meeting distributed by mail or electronically shall include all matters that the Board intends to present for action and vote by the members.

B. Special Meetings:

Special meetings of the members may be called at any time by the President, by a majority of the Board of Directors, or at least a quorum of the members (25 members). Such a special meeting may be called by written request, specifying the general nature of the business proposed to be transacted and addressed to the attention of and submitted to the President of the Board. The President shall direct the Chief Executive Officer to cause notice to be given promptly to the members stating that a special meeting will be held at a specific time and date fixed by the Board. No business other than the business that was set forth in the notice of the special meeting may be transacted at a special meeting.

C. Notice of Meetings:

Whenever members are permitted to take any action at any annual or special meeting, written notice of the meeting distributed by mail or electronically shall be given to each member entitled to vote at that meeting. The notice shall specify the place, date and hour of the meeting, and the means of communication to be utilized by and between CSDA and its members, if any, [through](#) which members may participate in the meeting. For the Annual Membership Meeting, the notice shall state the matters that the Board intends to present for action by the members. For a special meeting the notice shall state the general nature of the business to be transacted and shall state that no other business may be transacted. The notice of any meeting at which directors are to be elected shall include the names of all persons who are nominees when notice is given.

1. Notice Requirements. Written notice of any annual membership meeting shall be given at least 45 days before the meeting date either personally, by first class registered or certified mail, or by electronic transmission.

2. Electronic Notice. Notice given by electronic transmission by CSDA shall be valid if delivered by either (a) facsimile telecommunication or electronic mail when directed to the facsimile number or electronic mail address for that main contact member on record with CSDA; (b) posting on an electronic message board or network that CSDA has designated for such communications, together with a separate electronic notice to each member of the posting; or (c) any other means of electronic communication. Such electronic transmission must be directed to a member which has provided to CSDA an unrevoked consent to the use of electronic transmission for such communications. The method of electronic communication utilized must create a record that is capable of retention, retrieval and review by CSDA.

All such electronic transmissions shall include a written statement that each member receiving such communication has the right to have the notice provided in non-electronic form. Any member may withdraw its consent to receive electronic transmissions in the place of written communications by providing written notice to CSDA of such withdrawal of consent.

Notice shall not be given by electronic transmission by CSDA if CSDA is unable to deliver two (2) consecutive notices to a member by that means, or otherwise becomes aware of the fact that the member cannot receive electronic communications.

D. Electronic Meetings:

Members not physically present in person at either an annual or special meeting of members may participate in such a meeting by electronic transmission or by electronic video screen communication by and between such members and CSDA. Any eligible member participating in a meeting electronically shall be deemed present in person and eligible to vote at such a meeting, whether that meeting is to be held at a designated place, conducted entirely by means of electronic transmission, or conducted in part by electronic communication between CSDA and those members who are not capable of being physically present at such designated meeting place.

Annual and special meetings of the members may be conducted in whole or in part by electronic transmission or by electronic video screen communication by and between CSDA and its members if all of the following criteria are satisfied: (1) CSDA implements reasonable procedures to provide members participating by means of electronic communication a reasonable opportunity to participate in the meeting and to vote on matters submitted to the members, including an opportunity to hear the proceedings of the meeting including comments of members participating in person substantially concurrent with such proceedings; and (2) any votes cast by a member by means of electronic communication by and between CSDA and a member must be recorded and maintained in the minutes by CSDA.

E. Majority Vote:

Any matter submitted to the membership for action or approval shall constitute the action or approval of the members only when: (1) the number of votes cast by regular voting members present at the meeting equals or exceeds the quorum requirement of 25 registered voters; and (2) the number of votes approving the action or proposal equals or exceeds a majority (50% plus one) of the regular voting members present and casting votes on the issue.

F. Solicitation of Written Ballots from Members:

All solicitations of votes by written ballot, whether by means of electronic communication or first class mail, shall: (1) state the number of returned ballots needed to meet the quorum requirement ; (2) state, with respect to returned ballots other than for election of directors, that the majority of returned ballots must indicate approval of each measure in order to adopt such measure; and (3) specify the time by which the written ballot must be received by CSDA in order to be counted. Each written ballot so distributed shall: (1) set forth the proposed action; (2) give members an opportunity to specify approval or disapproval of each proposal; and (3) provide a reasonable time in which to return the ballots to CSDA either electronically or by first class mail.

Each written ballot distributed by first class mail shall be mailed to each regular voting member at least 45 days in advance of the date designated for return of the ballot by each such member to CSDA. Written ballots transmitted electronically to members shall

be electronically communicated at least 45 days in advance of the date designated for return of the ballot by each member to CSDA.

G. Return of Ballots:

Written ballots shall be returned either by first class mail or by electronic communication to either the principal business address of CSDA or CSDA's designated electronic format specified on the ballot prior to the close of business (5:00 pm) on the designated election date. Written ballots received either by first class mail or electronic communication from regular voting members after the specified date shall be invalid and shall not be counted.

H. Number of Votes Required for Approval of Action on Written Ballot:

Approval by written ballot shall be valid only when (1) the number of votes cast by written ballot either by means of electronic communication or first class mail within the specified time equals or exceeds the quorum required to be present at a meeting authorizing the action (25 votes); and (2) the number of approvals equals or exceeds the number of votes that would be required for approval at a meeting of members, i.e. 50% plus one of those participating members casting written ballots either electronically or by first class mail.

Section 7. Termination of Membership:

A member shall not be in good standing, and membership may be terminated, on occurrence of any of the following events:

A. Any member delinquent in the payment of dues for a period of three months after said dues are due and payable, shall be notified in writing of such arrearage, and shall be given written notice of possible termination. If such delinquent dues remain unpaid for 45 days after notice, the delinquent member shall automatically cease to be a member of CSDA. CSDA's Chief Executive Officer may approve special payment arrangements if deemed necessary including with those districts that may be members of the Special District Risk Management Authority (SDRMA).

A.B. Determination by the Board of Directors that a member has failed in a material and serious degree to observe the rules of conduct or operational policies of CSDA, including but not limited to the Corporation's Anti-Trust Policies or has engaged in conduct materially and seriously prejudicial to this CSDA's purposes and interests.

Commented [NM5]: New provision based on CA Nonprofit Law and Federal anti-trust laws

Section 8. Procedure for Termination of Membership:

If grounds exist for terminating the membership of a member under Section 7 hereof, the following procedures shall be followed:

A. The Board of Directors shall give the member at least 15 days prior written notice of the proposed termination and the reasons for the proposed termination of membership. Notice shall be given by any method reasonably calculated to provide actual notice. Notice given by mail shall be sent by first-class mail to the member's last address as shown on CSDA records.

B. The member shall be given an opportunity to be heard, either orally or in writing, at least 5 days before the effective date of the proposed termination of membership. The hearing shall be held, or the written statement considered, by the Board of Directors which is responsible for determining in its sole discretion whether the termination of membership should occur.

C. The Board of Directors shall determine whether the membership shall be terminated. The decision of the Board of Directors shall be final.

Commented [NM6]: New provision based on CA Nonprofit Law and to outline process

ARTICLE III – DIRECTORS

Section 1. Number of Directors:

The authorized number of elected directors to serve on the Board of Directors shall be 18. Each regular voting member shall be limited to one seat on the Board.

There shall be three directors elected from each of the six CSDA networks. Directors elected from each of the six networks shall hold staggered [three-year](#) terms.

Section 2 Term of Office:

Directors elected from each of the six networks shall hold staggered [three-year](#) terms. After the annual election of directors, a meeting of the Board shall be held to ratify the election results. The term of office of the newly elected persons shall commence on the following January 1 and shall [automatically](#) terminate three years [thereafter](#).

Section 3. Nomination of Directors:

Nomination [of Directors seeking to serve on the Board](#) shall be by network. Any regular voting member in good standing is eligible to nominate one person from their district to run for director of CSDA. The [CSDA](#) director nominee shall be a [member of the board of directors](#) of the district or a managerial employee as defined by that district's [board of directors](#). Nomination of the director designee shall be made by a resolution or minute action of the regular voting member's Board of Directors. Only one individual from each regular voting member district may be nominated to run at each election.

CSDA staff, in conjunction with the Elections and Bylaw Committee, will review all nominations received and accept all that meet the qualifications set by these Bylaws. A slate of each network's qualified nominees will be [transmitted](#) by mail or electronic ballot to that network's regular voting membership for election pursuant to Article III, Section 4

Section 4. Election of Directors:

The Election and Bylaws Committee shall have primary responsibility for establishing and conducting elections [for the Board of Directors](#). The Committee may enforce any regulation [to facilitate the conduct of said elections](#). [Directors shall be voted upon and elected](#) by the regular voting members from the network from which they are nominated.

The Election and Bylaws Committee shall meet each year to review, with staff, the networks where election of directors will be necessary. The Committee will coordinate, with staff, the dates nomination requests shall be mailed to the regular voting members, the official date for the nomination requests to be received at the CSDA office, and set the date of the election.

A. Written Notice:

Written notice requesting nominations of candidates for election to the Board of Directors shall be sent by first class mail or electronically to each regular voting member in good standing on the date specified by the Election and Bylaws Committee, which shall be at least 120 days prior to the election. The nominations must be received either by mail or electronically by CSDA before the established deadline which shall be no later than 60 days prior to the election. Nominations received after the deadline date shall be deemed invalid. [In the event an incumbent does not re-run for their seat, the nomination period for that network shall be extended by ten days.](#)

B. Balloting and Election:

Voting for directors shall be by written ballot distributed by mail or by electronic transmission by CSDA directly or via [authorized](#) third-party to members eligible to vote in each network.

After the nomination period for directors is closed, a written ballot specifying the certified nominees in each network shall be distributed by first class mail or electronically to each regular voting member in that network. Each such regular member in good standing in each network shall be entitled to cast one vote for each of that network's open seats on the Board. [In the event there is more than one seat available for election, regular members shall be entitled to a number of votes equal to the seats available for election in their network.](#)

The ballot for each network shall contain all nominations accepted and approved by CSDA staff. In the event there is only one nomination in a network, the nominee shall automatically assume the Seat up for election and a ballot shall not be mailed or electronically transmitted. Staff will execute a Proof of Service certifying the date upon which all regular voting members of each network were sent a ballot, either by first class mail or by electronic transmission. The form of written ballot and any related materials sent by electronic transmission by CSDA and completed ballots returned to CSDA by electronic transmission by participating members must comply with all of the requirements of Article II, Section 6(F-H) of these Bylaws. If a member does not consent to electronic communication for balloting purposes, a form of written ballot will be mailed to such participating member no later than 45 days prior to the date scheduled for such election. All written ballots shall indicate that each participating member may return the ballot by electronic communication or first class mail.

All solicitations of votes by written ballot shall: (1) state the number of returned ballots needed to meet the quorum requirement ; (2) state, with respect to ballots for election of directors, that those nominees receiving the highest number of votes for each Board position subject to election will be certified as elected to that Board position.

Election of a nominee to a Board position shall be valid only when: (1) the number of votes cast by written ballot, transmitted either electronically or by first class mail, within the time specified, equals or exceeds the quorum required to be present at a meeting of members authorized in such action ; and (2) the number of written ballots approving the election of a nominee must be the highest number of votes cast for each Board position subject to election as would be required for an election of a nominee at a meeting of the members.

Written ballots shall be returned either by first class mail or by electronic mail communication to either the principal business address of CSDA or CSDA's designated electronic format specified on the ballot prior to the close of business (5:00 pm) on the designated election date, which shall be at least 45 days prior to the Annual Conference. Written ballots received either by first class mail or electronic communication after the specified date shall be invalid and shall not be counted.

All written ballots received by mail shall remain sealed until opened in the presence of the Election and Bylaws Committee chairperson or [their](#) designee. All electronic ballots will be prepared, distributed, authenticated, received, tabulated, and kept secure and confidential. [Election documents will be retained as outlined in CSDA's Board approved records retention policy.](#)

Section 5. Event of Tie:

In the event of a tie vote, a supplemental written ballot containing only the names of those candidates receiving the same number of votes shall be distributed either by first class mail or electronically to each regular voting member in the network where the tie vote occurred.

Those written ballots received by mail or electronically prior to the close of business (5:00 pm) on the date designated by the Election and Bylaws Committee shall be considered valid and counted. All supplemental written ballots received after the designated date whether by first class mail or electronically shall be deemed invalid. All written ballots received either by mail or electronically shall remain sealed as provided in Article III, Section 4.B of these Bylaws.

In the event the supplemental written ballot also results in a tie vote, the successful candidate will be chosen by a drawing by lot.

Section 6. Director Vacancy:

In the event of a director vacating [their](#) seat on the Board of Directors, an individual who meets the qualifications as specified in these Bylaws may be appointed or elected to complete the director's unexpired term.

A. Two or Three Vacant Seats in the Same Network:

In the event more than one seat on the CSDA Board of Directors in any one network is vacant at the same time, such vacancies shall be filled by election. A written ballot shall

be prepared; listing all nominees for that network accepted and approved by CSDA and distributed to each regular voting member in each such network either by first class mail or by electronic communication pursuant to the provisions of Article III, Section 4.A and B of these Bylaws

Regular members of each network shall be entitled to cast one vote for each open seat in that network by returning a completed written ballot to CSDA either by first class mail or by electronic communication. The candidate receiving the most votes will be elected to the vacant seat with the longest remaining term. The candidate receiving the second highest number of votes will be elected to fill the vacant seat with the second longest remaining term. The candidate receiving the third highest number of votes will be elected to fill the vacant position with the third longest remaining term.

B. Vacancy Outside of Nomination Period

In the event of a vacancy occurring outside of the nomination period timeframe, at the discretion of the CSDA Board, the vacancy may be filled by appointment or special election. The CSDA Board at its discretion may leave a vacancy that occurs outside of the nomination period unfilled until the next regularly scheduled election.

Should the CSDA Board choose to fill the vacancy by appointment, notification of the vacancy and request for nominations shall be sent by regular mail or electronic communication to all regular members in good standing in the network in which the vacancy occurred. The network's existing directors sitting on the CSDA Board shall interview all interested candidates of that network and bring a recommendation to the CSDA Board of Directors for consideration. The Board shall make the appointment to fill the unexpired term of the vacated Board position.

Should the CSDA Board choose to fill the vacancy by special election, written notification of the vacancy and request for nominations shall be sent either by first class mail or electronically to each regular member in good standing in the network in which the vacancy occurred. Nominations will be accepted for the vacant seat by first class mail or by electronic communication and shall be placed on the written ballot for election in that network. Such election shall be conducted pursuant to the provisions of Article III, Section 4.A and B hereof.

C. Vacancy During Nomination Period:

In the event of a vacancy occurring during the nomination period, the vacancy shall be filled by election. Written notification of the vacancy and request for nominations shall be sent either by first class mail or electronically to each regular member in the network in which the vacancy occurred. Nominations will be accepted for the vacant seat by first class mail or by electronic communication and shall be placed on the written ballot for election in that network. Such election shall be conducted pursuant to the provisions of Article III, Section 4.A and B hereof.

D.

Section 7. Director Disqualification:

A. A director shall become disqualified from further service on the Board of Directors or any committee upon the occurrence of any of the following:

Commented [NM7]: Based on edits to item "B" above, this provision is no longer necessary

1. A director's district is no longer a member of CSDA;
2. A director is no longer a board member or an employee of a member district;
3. A director is elected or appointed to the Board of Directors of the Special District Risk Management Authority (SDRMA) or
- 1.4. A director's resignation.

Any officer or director may resign at any time by giving written notice to the President or CEO. Any such resignation shall take effect at the date of the receipt of such notice or at any time specified therein.

- B. The position of a director may be declared vacant by a majority vote of the CSDA Board of Directors when a director is unexcused and fails to attend three consecutive meetings of the Board or has not completed the Board Member requirements and expectations as outlined in policy.

Section 8. Powers of Directors:

Subject to the limitations of these Bylaws, the Articles of Incorporation, and the California General Nonprofit Corporation Law, all corporate powers of the CSDA shall be exercised by or under the authority of the Board of Directors.

Directors shall serve without compensation. However, they shall be allowed reasonable reimbursement for pre-approved expenses incurred in the performance of their duties as Directors.

Commented [MH8]: This has been added to reflect current policy.

Annual Report: The Board of Directors shall cause an annual report to be sent to the members within 120 days after the end CSDA's fiscal year. That report shall contain the following information, in appropriate detail:

- The assets and liabilities of CSDA as of the end of the fiscal year;
- The principal changes in assets and liabilities;
- CSDA's revenue or receipts, both unrestricted and restricted to particular purposes;
- CSDA's expenses or disbursements for both general and restricted purposes.

The CSDA Annual Financial Audit shall serve as the Annual Report of CSDA.

Commented [NM9]: New provision based on CA Nonprofit Law

Section 9. No Dual Directorships:

During any period that CSDA is a participant in the Alliance Executive Council Memorandum of Understanding (MOU), the Board of Directors of CSDA shall appoint three (3) members of its board to serve as members of the Alliance Executive Council. No member of the Board of Directors of CSDA shall serve as a director on the board of SDRMA during the term of the MOU. In the event a director is elected to SDRMA, that director shall immediately be disqualified from further service on the Board of Directors of CSDA.

Commented [NM10]: New provision to reflect provision in SDRMA's JPA and current practice

ARTICLE IV – DIRECTOR MEETINGS

Section 1. Place of Meetings:

Meetings of the Board of Directors shall be held in the state of California, at such places as the Board may determine. [Directors may participate and have voting privileges remotely from other states and countries.](#)

Section 2. Ratification Meeting:

Following the election of Directors, the Board shall hold a meeting at such time and place as determined by the Board for the purpose of ratifying the newly elected directors and to transact other business of CSDA.

Section 3. Organization Meeting:

After the ratification meeting, an organizational meeting of the Board shall be held at such time and place as determined by the Board for the purpose of electing the officers of the Board of Directors and the transaction of other business of CSDA.

Section 4. Planning Session:

As directed by the Board of Directors, a special Strategic Planning Meeting shall be held to review, evaluate, [and update](#) the plans, policies and activities related to the business interests of CSDA. [Timing and intervals of the Strategic Planning Meeting shall be determined by the Board of Directors.](#)

Section 5. Regular Meetings:

The dates of the regular meetings of the Board of Directors shall be ratified at the last Board meeting of the previous year. The meetings shall be held at such time and place as the Board may determine. The dates and places of the Board meetings shall be published in the CSDA's publications for the benefit of the members.

Section 6. Special Meetings:

A special meeting of the Board of Directors may be called [for any purpose](#) at any time by the President or by any group of 10 directors or as described in Article II, Section 6.B.

Such meetings may be held at any place designated by the Board of Directors. In the event directors are unable to personally attend the special meeting, teleconferencing means will be made available.

Notice of the time and place of special meetings shall be given personally to the directors, or sent by written or electronic communication. All written notices shall be sent at least ten days prior to the special meeting and electronic notices at least five days prior.

Section 7. [Board of Directors Meeting Quorum:](#)

A quorum of the Board of Directors for the purpose of transacting business of the CSDA shall consist of ten directors. A majority vote among at least ten directors present at a duly noticed meeting shall constitute action of the Board of Directors.

Section 8. Board Meetings by Telephone and Electronic Communications:

Any Board meeting may be held by conference telephone, video screen communication or other electronic communications equipment. Participation in such a meeting under this Section shall constitute presence in person at the meeting if both of the following apply: (a) each Board member participating in the meeting can communicate concurrently with all other Board members; and (b) each member of the Board is provided a means of participating in all matters before the Board, including the capacity to propose or interpose an objection to a specific action to be taken by CSDA, and the capacity to vote on any proposal requiring action of the Board.

Section 9. Official Records:

All official records of the meetings of the CSDA shall be maintained at the principal business office of the CSDA [or on official CSDA electronic file server\(s\)](#).

ARTICLE V – OFFICERS

Section 1. Number and Selection:

The officers of CSDA shall be the President, Vice President, Secretary, Treasurer and the Immediate Past President. The officers shall be elected annually from the members of the Board of Directors without reference to networks. All officers shall be subordinate and responsible to the CSDA Board of Directors and shall serve without compensation.

Each [officer](#) shall hold office for the term of one year, or until resignation or disqualification.

The Board of Directors may appoint such other officers as the business of CSDA may require. Each of the appointed officers shall hold office for such period, have such authority, and perform such duties as are provided in these Bylaws or as the Board of Directors may determine.

Section 2. Duties of the President:

The President shall be the chief officer of the CSDA and shall, subject to the approval of the Board of Directors, give supervision and direction to the business and affairs of CSDA.

The President shall preside at all Board of Director and membership meetings. The President shall be an ex-officio member of all Standing Committees. The President shall appoint committee chairs and vice-chairs and members of the Standing Committees, subject to confirmation by the Board of Directors.

The President shall have the general powers, duties and management usually vested in the office of the president of a corporation. The President shall have such other powers and duties as may be prescribed by these Bylaws or by the vote of the Board of Directors.

Section 3. Duties of the Vice President:

In the absence of, or disability of the President, the Vice President shall perform all of the duties of the President. When so acting, the Vice President shall have all the powers of the President, and be subject to all the restrictions upon the President.

The Vice President shall be an ex-officio member of all of the Standing Committees.

Section 4. Duties of the Secretary:

The Secretary or a designee appointed by the Board of Directors shall give notice of meetings to the Board of Directors, and notices of meetings to the members as provided by these Bylaws.

The Secretary or designee shall record and keep all motions and resolutions of the Board. A record of all meetings of the Board and of the members shall be maintained. All written records of the Secretary shall be kept at the business office of CSDA.

A list of the membership of CSDA shall be maintained by the Secretary or such designee. Such record shall contain the name, address and type of membership, of each member. The date of membership shall be recorded, and in the event the membership ceases, the date of termination.

The Secretary or designee shall perform such other duties as may be required by law, by these Bylaws, or by the Board of Directors.

Section 5. Duties of the Treasurer:

The Treasurer or a designee appointed by the Board of Directors shall keep and maintain adequate and correct accounts of the properties and the business transactions of CSDA, including accounts of its assets, liabilities, receipts, disbursements, gains and losses. The books of account shall at all times be open to inspection by any director or member of the CSDA.

The Treasurer or designee shall be responsible to cause the deposit of all moneys of the CSDA, and other valuables in the name and to the credit of CSDA, with such depositories as may be designated by the Board of Directors.

The Treasurer or designee, shall disburse, or cause to be disbursed by persons as authorized by resolution of the Board of Directors, the funds of CSDA, as ordered by the Board of Directors.

The Treasurer or designee shall serve as chair of the CSDA Fiscal Committee. The Treasurer shall render to the President and the Board of Directors an account of all financial transactions and the financial condition of CSDA at each Board meeting and on an annual basis, or upon request of the Board.

The Treasurer or designee shall, after the close of the fiscal year of CSDA, cause an annual audit of the financial condition of CSDA to be done.

The Treasurer or such designee shall perform such other duties as may be required by law, by these Bylaws, or by the Board of Directors.

Section 6. Disbursement of Funds:

No funds shall be disbursed by CSDA unless a check, draft or other evidence of such disbursement has been executed on behalf of CSDA by persons authorized by resolution of the Board of Directors.

Section 7. Removal of Officers:

Officers of the Board may be removed with or without cause at any meeting of the Board of Directors by the affirmative vote of a majority of the Board of Directors present at such meeting.

ARTICLE VI – COMMITTEES

Section 1. Committee Structure:

Each committee shall have a chair and a vice-chair who shall be directors of the Board of Directors. Each committee shall have at least two Board members and no more than nine Board members. Directors may be appointed as alternate members of a committee, in the event of an absent committee member.

Other members of any committee may include designees of regular, associate or Business Affiliate members.

Section 2. Committee Actions:

All actions of any committee of the CSDA shall be governed by and taken in accordance with the provisions of these Bylaws. All committees shall serve at the pleasure of the Board and

have such authority as provided by the Board of Directors. Minutes of each committee meeting shall be kept and each committee shall present a report to the Board of Directors at each scheduled Board meeting.

No committee may take any final action on any matter that, under these Bylaws, or under the California Nonprofit Public Benefit Corporation Law, also requires approval of the members of the CSDA.

All committees, regardless of Board resolution, are restricted from any of the following actions as imposed by the California Nonprofit Public Benefit Corporation Law:

- No committee may fill vacancies on the Board of Directors or on any committee that has authority of the Board, establish any other committees of the Board, or appoint the members of the committees of the Board.
- No committee may fix compensation of the directors for serving on the Board or on any committee, expend corporate funds to support a nominee for director, or approve any contract or transaction to which CSDA is a party and in which one or more of its directors has a material financial interest.
- No committee may amend or repeal Bylaws or adopt new Bylaws or amend or repeal any resolution of the Board that by its express terms is not subject to amendment or repeal.

Section 3. Committee Meetings:

Meetings of the committees of CSDA shall be held in accordance with the provisions of these Bylaws. The time and place for regular meetings of such committees may be determined by the Board or by such committees. Special meetings of the committees may be called by the chair of such committee, or by the Board of Directors.

Written notice of any regular or special committee meeting may be given either personally, by first class mail, or by electronic transmission as specified in Article II, Section 6.C.2 of these Bylaws. Any committee meeting may also be held by conference telephone, [web conference](#) or other electronic communication equipment. Participation in such a meeting under this Section shall constitute presence in person at the committee meeting if both of the following apply: (a) each committee member participating in the meeting can communicate concurrently with all other committee members; and (b) each member of the committee is provided a means of participating in all matters before the committee, including the capacity to propose or interpose an objection to a specific action to be taken by that committee, and the capacity to vote on any proposal requiring action or recommendation by the committee.

Section 4. Standing Committees:

Standing Committees of CSDA shall be advisory in nature except for the Finance Corporation (see Section 4D). The Standing Committees are: Executive, Professional Development, Elections and Bylaw, Finance Corporation, Fiscal, Legislative, Member Services and Audit.

The President shall recommend the appointment of committee officers and members of each Standing Committee except the Executive Committee. All committee members are subject to ratification by the Board of Directors.

A. Executive Committee:

The Executive Committee shall consist of all officers of CSDA:

Subject to these Bylaws and approval of the Board of Directors, the Executive Committee shall have full power, authority and responsibility for the operation and function of the CSDA.

B. Professional Development Committee:

The Professional Development Committee shall provide advice, feedback and general guidance for CSDA professional development programs and events.

C. Election and Bylaws Committee:

The Election and Bylaws Committee shall be responsible for conducting all elections for the CSDA Board of Directors as provided in these Bylaws. The Committee shall annually review the Bylaws and shall be responsible for membership vote on any bylaw changes and approval of election materials.

D. Finance Corporation Committee:

The Finance Corporation Committee shall serve as [ex officio members of](#) the Board of Directors of the CSDA Finance Corporation, a California non-profit public benefit corporation organized to provide financial assistance to CSDA members in acquiring, constructing and financing various public facilities and equipment for the use and benefit of the public. The Finance Corporation Committee is not an advisory committee, but [rather](#) has all of the powers described in the CSDA Finance Corporation Bylaws, which are incorporated herein by this reference. Such powers include the powers to manage and control the business affairs of the corporation, to approve policies for the corporation's operations, and to enter into all contracts necessary to provide financial assistance to CSDA members.

E. Fiscal Committee:

The Treasurer shall serve as the chair of the Fiscal Committee and shall, with the Committee, be responsible for oversight of all the financial transactions of the CSDA. An annual budget shall be reviewed by the committee and ratified by the Board of Directors.

F. Legislative Committee:

The Legislative Committee shall be responsible for the development of CSDA's legislative agenda [and advocacy priorities](#). The [Legislative](#) Committee shall review, direct and assist the CSDA Advocacy and Public Affairs Department with legislative and public policy issues.

G. Member Services Committee:

The Member Services Committee shall be responsible for recruitment and retention activities as well as recommendation of new members and benefits to the CSDA Board of Directors. All new members shall be ratified by the Board of Directors.

H. Audit Committee:

The Audit Committee is responsible for maintaining and updating internal controls. The Committee selects the Auditor for Board of Directors approval and provides guidance to the auditors on possible audit and fraud risks. The Committee reviews the audit and management letter and makes recommendation to the Board of Directors for action.

Section 5. Ad Hoc Committees:

The President may appoint other Ad Hoc Committees and their officers as may be determined necessary for the proper operation of the CSDA. The Standing Committees and the Ad Hoc Committees shall plan and authorize such programs as may be directed by the Board of Directors.

The Ad Hoc Committees shall be advisory in nature and shall be composed of at least two members of the Board of Directors. Other members of such committees may include designees of regular, associate or professional members, or members of the public, as approved by the Board of Directors.

Section 6. Special Committee of the Board:

A Special Committee may be granted authority of the Board as a Committee of the Board, as required by the California Nonprofit Public Benefit Corporation Law, provided by a specific resolution adopted by a majority of the Board of Directors then in office. In such case, the Special Committee shall be composed exclusively of two or more directors, but less than a quorum of the Board of Directors.

ARTICLE VII – INDEMNIFICATION

Section 1. Right of Indemnity:

To the fullest extent permitted by law, the CSDA shall defend, indemnify and hold harmless both its past and present directors, officers, employees and other persons described in Section 5238(a) of the California Corporations Code, against any and all actions, expenses, fines, judgments, claims, liabilities, settlements and other amounts reasonably incurred by them in connection with any “proceeding”, as that term is used in the Section 5238(a) of the California Corporations Code.

“Expenses”, as used in these Bylaws, shall have the same meaning as in Section 5238(a) of the California Corporations Code.

Section 2. Approval of Indemnity:

On written request to the Board by any person seeking indemnification under Section 5238(b) or Section 5238(c) of the California Corporations Code, the Board shall promptly determine under Section 5238(e) of the California Corporations code whether the applicable standard of conduct

set forth in Section 5238(b) or Section 5238(c) has been met, and if so, the Board shall authorize indemnification.

If the Board cannot authorize indemnification because the number of directors who are parties to the proceeding with respect to which indemnification is sought prevents the formation of a quorum of directors who are not parties to that proceeding, the Board shall promptly call a meeting of the members.

At the request for indemnification meeting, the members shall determine under Section 5238(e) of the California Corporations Code whether the applicable standard or conduct set forth in Section 5238(b) or Section 5238(c) has been met, and, if so, the members present at the meeting in person or by proxy shall authorize indemnification.

Section 3. Insurance:

CSDA shall have the right to purchase and maintain insurance to the full extent permitted by law, on behalf of its officers, directors, employees, and agents, against any liability asserted against or incurred by any officer, director, employee or agent in such capacity, or arising out of the officer's, director's, employee's, or agent's status as such.

Section 4. Liability:

No member, individual, director, or staff member of the CSDA shall be personally liable to the CSDA's creditors, or for any indebtedness or liability. Any and all creditors shall look only to the CSDA's assets for payment.

ARTICLE VIII – AFFILIATED CHAPTERS

Section 1. Purpose:

The purpose of affiliated chapters is to provide local forums of members for the discussion, consideration and interchange of ideas concerning matters relating to the purposes and powers of special districts and the CSDA.

The affiliated chapters may meet to discuss issues bearing upon special districts and the CSDA. The chapters may make recommendations to the CSDA's Board of Directors.

Section 2. Organization:

The regular voting members of CSDA are encouraged to create and establish affiliated chapters. In order to be recognized as a CSDA Chapter, each Chapter must approve and execute a Chapter Affiliation Agreement in order to obtain the right to use the CSDA name, logo, membership mailing list, intellectual property, endorsements, and CSDA staff support and technical assistance in conducting Chapter activities. The terms and conditions of the Chapter Affiliation Agreement are incorporated herein by this reference.

Each chapter formed prior to August 1, 2011 must have at least one CSDA member in their membership at all times, [including but not limited to the following chapters](#): Alameda, Butte, Contra Costa, Kern, Marin, Monterey, Orange (ISDOC), Placer, Sacramento, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara and Ventura. Such existing chapters may include as members: local organizations [and businesses](#), districts and professionals who are not members of CSDA.

New chapters formed after August 1, 2011, are required to have 100 percent of their special district members [as](#) current members of CSDA in order to be a chapter affiliate of CSDA. Such chapters may include [as](#) members: local organizations/[businesses](#) and professionals who are not members of CSDA.

Affiliated chapters shall be determined upon approval and execution of the Chapter Affiliation Agreement by the chapter and approval and ratification of the Chapter Affiliation Agreement by the CSDA Board of Directors. The chapters shall be required to provide updated membership lists to the CSDA at least annually [or upon request by the President or CEO](#).

[No partnership or joint venture shall be established between](#) CSDA and its affiliated chapters by reason of the provisions of these Bylaws or the Chapter Affiliation Agreement.

Section 3. Rules, Regulations and Meetings:

Each affiliated chapter shall adopt such rules and regulations, meeting place and times as the membership of such affiliated chapter may decide by majority vote. Rules and regulations of the affiliated chapter shall not be inconsistent with the Articles of Incorporation or Bylaws of CSDA.

Section 4. Financing of Affiliated Chapters:

No part of CSDA's funds shall be used for the operation of the affiliate chapters. CSDA is not responsible for the debts, obligations, acts or omissions of the affiliate chapters.

Section 5. Legislative Program Participation:

Affiliate chapters may function as a forum [regarding](#) federal, state and local legislative issues. The chapters may assist CSDA in the distribution of information to their members.

ARTICLE IX – AMENDMENTS TO THE BYLAWS

Section 1. Amendment Proposals:

Any regular voting member in good standing may propose changes to these Bylaws. The proposed amendments shall be reviewed by the Board of Directors and submitted to the Election and Bylaws Committee for their study.

After examination by the Election and Bylaws Committee and upon approval by the Board of Directors the amendment proposals may be submitted for vote at the Annual Business meeting of the members held by CSDA, at a specially called meeting, or by mail or electronic ballot.

Section 2. Amendment Membership Meeting:

Prior notice in writing of the proposed amendments to these Bylaws shall be given either by first class mail or by electronic transmission by the Board of Directors to the regular voting members

in good standing, not later than 45 days in advance of the amendment meeting pursuant to the provisions of Article II, Section 6.C of these Bylaws. The electronic notice shall include copies of the proposed amendments.

Electronic copies of the proposed amendments shall also be available on the CSDA website for review by the regular voting members prior to the meeting. Copies of the proposed amendments shall also be available for the regular voting members at the amendment membership meeting.

The amendment membership meeting may be conducted as an electronic meeting pursuant to the provisions of Article II, Section 6.D of these Bylaws.

Section 3. Written Bylaw Amendment Ballot:

The Board of Directors of CSDA may submit Bylaw amendments for approval of regular voting members by mail or electronic ballot rather than by means of an amendment membership meeting.

When a written ballot is used to amend these Bylaws, the ballot shall include the text of all proposed Bylaw amendments the Board of Directors intends to present for vote by the members. Such written ballot shall contain the information specified in Article II, Section 6.F of these Bylaws and shall be distributed to regular voting members either by first class mail or by electronic transmission at least 45 days in advance of the date designated for return of the ballot.

Written ballots shall be returned either by first class mail or by electronic communication to either the principal business address of CSDA or CSDA's designated electronic format specified on the ballot prior to the close of business (5:00 pm) on the designated election date. Written ballots received either by first class mail or electronic communication after the specified date shall not be counted and will be deemed invalid.

Section 4. Bylaw Amendment Ratification:

A. Membership Meeting:

The proposed Bylaw amendments shall be deemed adopted by the members when the number of votes cast by regular voting members present at such membership meeting meets or exceeds the required quorum of 25 regular voting members, and the number of votes cast approving the Bylaw amendments constitutes a majority of votes cast, i.e., 50% plus one of regular voting members casting ballots at such meeting.

B. Mail or Electronic Ballot:

The proposed Bylaw amendment/s shall be deemed adopted by a majority of the regular voting members by mail or electronic ballot when the provisions of Article II, Section 6.H of these Bylaws have been satisfied.

EXHIBIT A

Updated November 1, 2019



California Special Districts Association
DISTRICT NETWORKS





*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Paul E. Shoenberger, P.E., General Manager
DATE: October 26, 2021
SUBJECT: San Diego City Employees' Retirement System

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.
Goal #5: Attract and retain skilled employees.
Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

San Diego City Employees' Retirement System (SDCERS) provides retirement services to more than 20,450 active, retired and deferred members from the City of San Diego, the San Diego Unified Port District and the San Diego County Regional Airport Authority.

The vision of SCDERS is to be an independent, leading edge, financially sound, well-governed, and transparent pension plan, responsive to its participants, with excellence in governance, management, leadership and service, and a positively perceived and vital contributor to the community.

SDCERS Chief Executive Officer Gregg Rademacher will provide a presentation at the October 26, 2021 meeting.

FINANCIAL IMPACT

None.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: October 26, 2021
SUBJECT: Water Rate Study

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

Goal #1: Provide a safe, abundant, and reliable water supply.
Goal #2: Practice perpetual infrastructure renewal and improvement.
Goal #3: Be financially responsible and transparent.

PRIOR BOARD ACTION/DISCUSSION

At its June 10, 2021 meeting, the Board of Directors (Board) approved a professional services contract with Raftelis Financial Consultants, Inc. for a potable and recycled water rate study for the purpose of establishing water rate schedules for five years.

DISCUSSION

Mesa Water District (Mesa Water®) has a perpetual agency philosophy requiring a scheduled, systematic review of its long-range financial plan and goals. This review includes the evaluation and updating of the District's rate schedules to ensure sufficient funds are available to meet the Board's Strategic Plan goals. To ensure the provision of local, safe, and reliable water for our community, it is important to conduct regular water rate studies, in relation to costs, and make any needed adjustments.

Staff examined a number of potential rate options and will present two options at the October 26, 2021 meeting for the Board's consideration.

All scenarios presented to the Board will meet the Board's days cash goals, debt coverage ratios, and capital improvement targets.

FINANCIAL IMPACT

Financial impact will be based on the Board's selection, if any, of a Five-Year Water Rate scenario.

ATTACHMENTS

None.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Andrew D. Wiesner, P.E., Principal Engineer
DATE: October 26, 2021
SUBJECT: Reservoirs 1 and 2 Pump Station Upgrades Project

RECOMMENDATION

Receive the presentation.

STRATEGIC PLAN

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

Goal #2: Practice perpetual infrastructure renewal and improvement.

PRIOR BOARD ACTION

At its May 14, 2020 meeting, the Board of Directors (Board) awarded on-call professional design services contracts for the Capital Improvement Program Renewal (CIPR).

At its December 17, 2020 Committee meeting, the Board received a presentation on the results of the Water Supply, Energy, and Supply Chain Reliability Assessment. The Board directed staff to bring back an updated assessment to a future Committee meeting.

At its March 23, 2021 Committee meeting, the Board approved the proposed recommendations for the Water Supply, Energy, and Supply Chain Reliability Assessment as identified in the Executive Summary and Technical Memorandums 1, 2, and 3, and implement as part of the Capital Improvement Program Renewal.

BACKGROUND

Mesa Water District (Mesa Water®) delivers local, clean, potable water to its ratepayers using seven groundwater wells and two storage reservoirs, each with a pump station. Constant pressure in the distribution system is supplied by the groundwater well pumps, with the reservoirs and associated pump stations serving to balance flow and pressure with demand. The reservoirs can also provide a total 28 million gallons of storage that can be used during equipment failure or unplanned maintenance events. However, water quality issues have limited the amount of water that can be reliably stored.

The current reservoir pump stations utilize natural gas engines to drive the main pumps and electric motors for the smaller jockey pumps that manage low flow requirements. These gas engines are near the end of their useful life and require replacement. In 2020, a Water Supply, Energy, and Supply Chain Reliability Assessment was completed which recommended replacing the gas engines with electric motors and diesel generator back-up power. The recommendation was based on the standardization of pump drive and backup technologies with the clear wells.

Additionally, real-time chemical management is necessary at Reservoirs 1 and 2 to better manage reservoir water quality. In 2017, Mesa Water implemented a project to design new chemical management systems for each reservoir. Construction of these systems has been incorporated into



the Reservoirs 1 and 2 Pump Station Upgrades Project.

DISCUSSION

The purpose of the Reservoirs 1 and 2 Pump Station Upgrades Project is to improve overall system reliability and streamline operations and maintenance. The following components are included in the project:

- Replacement of natural gas engine driven pumps with electric motor driven pumps
- Replacement of propane backup systems with standby diesel generators
- Demolition of hydro turbines at Reservoir 1
- Comprehensive rehabilitation of pumping systems piping, valves, and instrumentation
- Replacement of electrical gear to support new electrical systems
- Upgrade of Southern California Edison (SCE) services for both reservoir sites
- Upgrade of selected structures and maintenance facilities
- Replacement of existing slurry dewatering pit at Reservoir 1
- Incorporation of new chemical facilities at both reservoirs

The Project's Preliminary Design Report (PDR) has been submitted and is attached to this memorandum.

Replacement of Natural Gas Engine Driven Pumps with Electric Motors

The pumps and gas engines will be replaced at both reservoirs. During preliminary design, hydraulic analyses were performed and pumps were selected. Each pump station will have four main pumps and two jockey pumps that will maintain existing pumping capacity. The new pumps will have electric motors that will be operated by Variable Frequency Drives (VFDs).

Emergency Backup Power

Diesel generators will be installed at each reservoir to provide backup power in the event that SCE service is lost. The generators are similar to those used at all well sites and will be able to provide full power within 10 seconds of losing SCE service. This will benefit Operations by reducing the number of technologies they must maintain while providing a reliable source of backup power. The backup system at Reservoir 1 will be sized at 1.25 megawatt (MW), enough capacity to power both the pump station and Mesa Water Headquarters. The backup system at Reservoir 2 will be sized at 1.1 MW, enough to handle all power requirements on-site.

Reservoir Chemical Systems

Real-time chemical management systems were designed under a separate contract, but have not yet been constructed. These new systems will be constructed under the Reservoirs 1 and 2 Pump Station Upgrades Project. The new chemical addition systems will enable Operations to better manage water quality in the reservoirs, allowing for more utilization of storage capacity in the reservoirs.

Site Plans

Site plans have been developed for both reservoirs to best fit the additional components described above.



At Reservoir 1, the backup generator and chemical system will be constructed within the existing canopy along the north wall of the site. The northwest corner was considered for the backup generator, but it was moved to avoid siting the equipment unnecessarily close to the residential property on the other side of the wall. A larger capacity electrical switchgear will be installed on the east side of the canopy where the existing SCE feed is located.

At Reservoir 2, the chemical system will be constructed along the southeast wall with the electrical switchgear installed outside the pump station near the north corner of the building. The PDR shows the backup generator along the northeast wall, but it may be located inside the pump station to take advantage of the existing sound attenuation properties of the building. This location is being investigated currently. The west corner of the site was also considered, but there are significant grade differences and existing equipment that would make access difficult.

Construction Cost Estimate

A preliminary construction cost estimate has been prepared which represents a Class 3 budget estimate as defined by the American Association of Cost Engineering (AACE) International. For this class of estimate, the construction costs are anticipated to fall between plus 30% to minus 20% of the estimated cost. Capital costs were developed using the following:

- Equipment quotes for major components
- Quantity takeoffs and unit costs from the consultant’s cost estimating department
- Percentage multipliers for site/civil, electrical, instrumentation, and mechanical portions of the project, based on recently bid projects of similar scope

A summary of the construction cost estimate and the anticipated range of the bid price is shown in the table below:

Facility	Upper Range +30%	Estimated Cost	Lower Range -20%
Reservoir 1	\$ 10,400,000	\$ 8,000,000	\$ 6,400,000
Reservoir 2	\$ 12,890,000	\$ 8,370,000	\$ 6,700,000
TOTAL	\$ 23,290,000	\$ 16,370,000	\$ 13,100,000

As shown in the table above, the preliminary design construction cost estimate of \$16.4MM is higher than our planning level estimate of \$8.1MM. The original estimate is a Class 5 estimate and was based on rule-of-thumb values and costs of similar projects. Class 5 estimates are expected to fall between minus 50% and plus 100% of the actual construction cost. Our preliminary design construction cost estimate is currently outside of this range. The increase in the construction cost estimate is due to two factors:

- The scope of the rehabilitation has increased and the industry has seen a significant escalation of material costs.
- The rehabilitation scope has increased with the inclusion of the replacement of mechanical piping and valves at both reservoirs and the addition of pumps to both pump stations.

Since the construction project will require a lengthy shutdown of each reservoir, the project team decided that replacing the piping and valves was the best approach for the reliability and longevity of the reservoir pump stations. The additional pumps were added to more closely meet Hydraulic



Institute pump installation standards. Meeting these standards will minimize operational risks, improve pump efficiency, and increase the turndown capabilities of both reservoir pump stations.

While the cost has increased, it is still important for Mesa Water to move forward with this project. Standardizing electric motors with backup diesel engine generators should ease maintenance of the reservoir facilities, improve reliability by allowing operations to focus expertise on two energy supply technologies, and benefit management of the forecasted regulatory atmosphere. In addition to the maintenance aspects of the design, the operation and controls of the pump stations will be simplified. Designing the pumps to be controlled by VFDs will allow the reservoirs to operate at one pressure set point. The addition of the jockey pumps, will maximize the turndown capabilities of the pump station allowing the pump station to more efficiently meet the wide range of demands experienced.

To cover the increased cost for the Reservoirs 1 and 2 Pump Station Upgrades Project, additional projects will need to be moved beyond the CIPR program. The 1951 Cohort Pipeline Replacement Project is a good candidate because it could be broken up into smaller projects and executed over a three to five year period.

FINANCIAL IMPACT

In Fiscal Year 2022, \$800,000, is budgeted for the Reservoirs 1 and 2 Pump Station Upgrades Project; \$120,000 has been spent to date.

	Project Estimate <u>Amounts</u>	Project Cost <u>Amounts</u>
Project Estimate	\$11,300,000	
Original Contracts		\$1,300,000
Change/Task Orders		\$ 0
Requested Funding		\$ 0
Revised Contracts		<u>\$1,300,000</u>
Actual Spent to Date		\$431,000
Revised Project Estimate	\$19,500,000	

ATTACHMENTS

Attachment A: Reservoirs 1 and 2 Upgrades Project Preliminary Design Report (Final)

Reservoirs 1 and 2 Upgrades Project: Preliminary Design Report

Prepared for
Mesa Water District
Costa Mesa, California
October 1, 2021

Reservoirs 1 and 2 Upgrades Project: Preliminary Design Report

Prepared for
Mesa Water District, Costa Mesa, California
October 1, 2021

FINAL



18200 Von Karman Avenue
Irvine, CA 92612

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List of Abbreviations

AACE	American Association of Cost Engineering	psi	pound per square inch
AFE	active front end	PSOP	Production System Operations Plan
AISC	American Institute of Steel Construction	R1	Reservoir 1
AMWA	Association of Metropolitan Water Agencies	R2	Reservoir 2
ANSI	American National Standards Institute	rpm	revolutions per minute
ASME	American Society of Mechanical Engineers	SCADA	supervisory control and data acquisition
ASTM	American Society for Testing and Materials	SCAQMD	South Coast Air Quality Management District
AWWA	American Water Works Association	SCE	Southern California Edison
CFR	Code of Federal Regulations	SQ FT	square feet
BC	Brown and Caldwell	SSPWC	Standard Specifications for Public Works Construction
CFC	California Fire Code	SWC	surge withstand capability
CFD	computational fluid dynamics	TDH	Total Dynamic Head
DLR	device level ring	THHW	thermoplastic high-heat water-resistant
ft	feet	THW	thermoplastic heat and water-resistant
ft/s	feet per second	THWN	thermoplastic heat and water-resistant, nylon-coated
gpm	gallons per minute	USAS	United States of America Standard
HI	Hydraulic Institute	VFD	variable frequency drive
HP	horsepower	XHHW-2	cross-linked polyethylene high-heat water-resistant
I/O	input/output		
IEEE	Institute of Electrical and Electronics Engineers		
ISA	International Society of Automation		
LCP	local control panel		
MG	million gallons		
NEC	National Electrical Code		
NEMA	National Electrical Manufacturers Association		
NFPA	National Fire Protection Association		
NPSH	net positive suction head		
NPSHa	net positive suction head (available)		
NPSHr	net positive suction head (required)		
O&M	operations and maintenance		
OIT	operator interface terminal		
OSHA	Occupational Safety and Health Association		
PCC	point of common coupling		
PDR	preliminary design report		
PLC	programmable logic controller		

Section 1

Introduction

The Mesa Water District (Mesa Water) is undertaking the Reservoirs 1 and 2 Upgrades Project for the preparation of contract plans, specifications, and construction cost estimates for the replacement of existing engine-driven pumps and generators at Mesa Water’s Reservoir 1 and 2 pump stations as well as developing a masterplan for the Headquarters Yard at the Reservoir 1 site. This preliminary design report (PDR) presents various approaches, alternative evaluations, and recommendations to deliver a successful project.

1.1 Project Background

Mesa Water was formed on January 1, 1960, following the merger of four (4) water agencies: Fairview County Water District, Newport Mesa Irrigation District, Newport Mesa County Water District, and the city of Costa Mesa's Water Department. Mesa Water employs approximately 50 staff and is governed by a five-member Board of Directors elected by the constituents of five (5) divisions within the service area.

Mesa Water’s primary objective is to manage and deliver water and water-related services to customers within its service area, which includes approximately 23,500 retail accounts (population of over 108,000) in an 18-square-mile area. This service area encompasses the City of Costa Mesa, parts of Newport Beach, and unincorporated areas of Orange County, including the John Wayne Airport.

Mesa Water currently owns and operates two (2) storage tanks (Reservoir 1 and Reservoir 2) – with Reservoir 1 providing approximately 9.5 million gallons (MG) of storage and Reservoir 2 providing approximately 18.7 MG of storage. Considering the storage at both reservoirs, approximately 30 MG of storage, equates to approximately 1.5 to two (2) days of storage depending on the time of year.

All pumps serving Reservoir 1 and Reservoir 2 are currently gas-driven. While Mesa Water maintains natural gas engines at each of its reservoirs for energy diversity and back-up supply, in 2018, Mesa Water completed an assessment of Reservoirs 1 and 2 pumps, engines, and engine control systems and determined that these systems have reached the end-of-life and require replacement. Furthermore, as part of the November 2020 “Water Supply, Energy, and Supply Chain Reliability Assessment” Project, it was determined that short term replacement of aging natural gas pump drivers with electric motors (and diesel back-up power) would be beneficial to increase overall system reliability.

Additionally, real-time chemical management is necessary at Reservoirs 1 and 2 to better manage distribution system chlorine residual levels. In 2020, Mesa Water implemented a project that will remove temporary chemical dosing tanks and metering pumps inside the Reservoir 1 Pump House and replace them with a new chemical management system.

This project will also implement the recommendations listed in the June 2021 “Excavation Slurry Dewatering Evaluation” Project for the proposed slurry dewatering pit design.

1.2 Project Objectives

The purpose of this PDR is to present various approaches, alternative evaluations, and recommendations to upgrade the Reservoir 1 and 2 facilities. The major components that must be addressed to deliver a successful project consist of the following:

- Replacement of gas driven pumps with electric pumps.
- Replacement of gas driven generators with standby diesel generators.
- Demolition of hydro turbines at Reservoir 1.
- Comprehensive rehabilitation of pumping systems piping, valves, instrumentation, etc.
- Replacement of electrical gear to support new electrical systems.
- Upgrade of Southern California Edison (SCE) services for both Reservoir sites.
- Upgrade of selected structures and maintenance facilities.
- Implementation of preferred site masterplan alternative for the Headquarters/Reservoir 1 site.
- Replacement of existing slurry dewatering pit at Reservoir 1 site.
- Incorporation of new chemical facilities at both Reservoir 1 and Reservoir 2 sites.

Subsequent sections of this PDR present information on the existing Reservoir sites, design objectives and criteria, and approaches to retrofitting the sites to meet these project goals.

1.3 Reservoir Sites Overview

The two (2) Reservoirs owned and operated by Mesa Water are in the east (Reservoir 1) and west (Reservoir 2) part of the service area. Corresponding Reservoir site addresses are presented in Table 1-1.

Table 1-1. Reservoir Site Addresses	
Reservoir 1	1971 Placentia Ave Costa Mesa, CA 92627
Reservoir 2	2340 Orange Ave Costa Mesa, CA 92627

A vicinity map showing the relative locations of each Reservoir is illustrated in Figure 1-1.

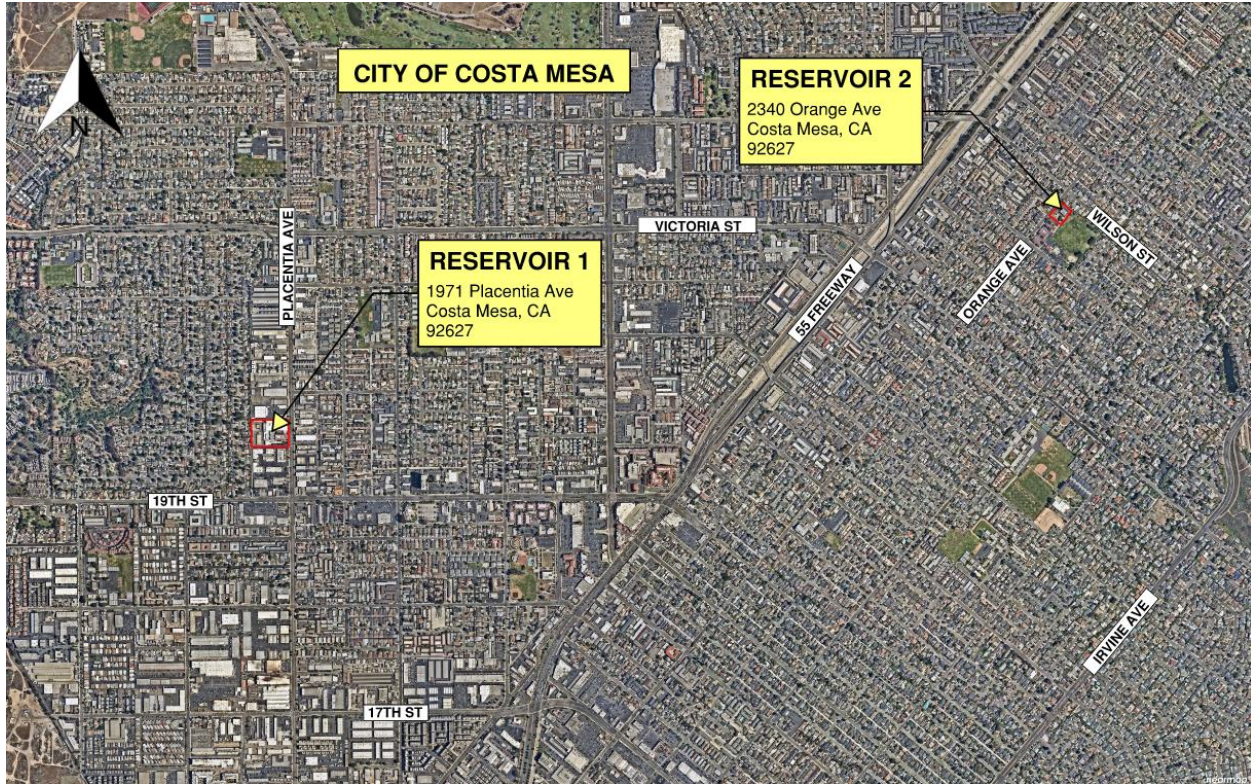


Figure 1-1. Reservoir Site Locations

1.3.1 Reservoir No. 1

Figure 1-2 shows the various facilities and features at the existing Reservoir 1 site.

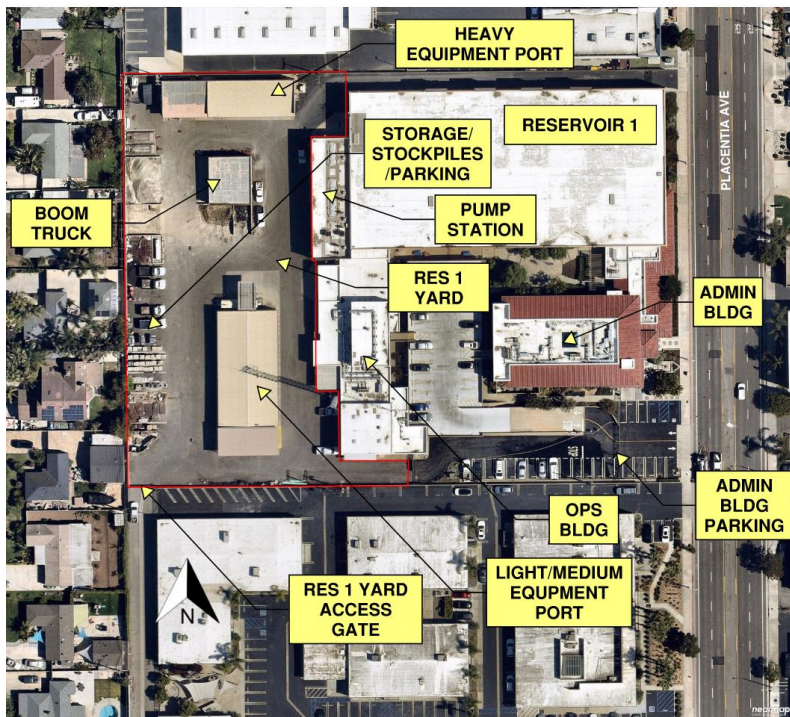


Figure 1-2. Reservoir 1 Site



1.3.2 Reservoir No. 2

Figure 1-3 shows the various facilities and features at the existing Reservoir 2 site.



Figure 1-3. Reservoir 2 Site

1.3.3 Existing Reservoir Pumping Capacities

From the “Production System Operation Plan (PSOP)” document provided by Mesa Water, the pumping capacities at Reservoirs 1 and 2 are listed in Table 1-2.

Table 1-2. Existing Reservoir Pumping Capacities				
Site	Total Capacity at Discharge Head Setpoint	No. of Duty Pumps	No. of Jockey Pumps	No. of Pumps Operating at Station Capacity
Reservoir 1	10,250 gpm @ 157 ft TDH	3	2	3 (Duty) + 2 (Jockey)
Reservoir 2	15,000 gpm @ 180 ft TDH	4	-	3 (Duty)

Mesa Water wishes to maintain the existing pumping capacities but add redundancy with the proposed improvements. Sections 3 and 4 focuses on the hydraulic evaluation and pump selection performed as part of the preliminary design phase.

Section 2

Design Criteria

During the design phase of the project, it is important to identify critical design criteria that will be used in the overall design of the new facilities. The following sections discuss design criteria that will be used on this project as a function of engineering discipline.

2.1 Mechanical Design

For the mechanical design components of the project, design will be guided by industry standards and applicable codes. In general, the purpose of outlining the mechanical design criteria is to yield a sound design that will limit maintenance, increase reliability, and increase the life of the facility.

Goals of the mechanical design include:

- **Increased Reliability.** Design the mechanical equipment to operate within designed operational limits. Replace aging equipment to “reset the clock” on the facility and ensure an additional 30 years or more of life.
- **Increased Safety.** Design pumping systems to meet the design criteria while providing a safe working environment with sufficient access space for operating staff.
- **Increased Cost Effectiveness.** Specify the plant mechanical equipment and the systems to minimize the capital and operating costs without compromising quality.
- **Improved Efficiency.** Use proven state-of-the-art technology in designing and specifying efficiency in the equipment and systems.
- **Improved Flexibility.** Specify equipment already in use across Mesa Water facilities to facilitate easy acquisition of spare parts.
- **Maximized Space Requirements.** Utilize the available site space as efficiently as possible; all while providing adequate clearances for the convenience of maintenance and new equipment installations.

2.1.1 Reference Standards

The following are the acronyms of the agencies that publish referenced guidelines or requirements that are used in this section:

1. American Institute of Steel Construction (AISC)
2. American National Standards Institute (ANSI)
3. American Society of Mechanical Engineers (ASME)
4. American Society for Testing and Materials (ASTM) International
5. American Water Works Association (AWWA)
6. National Electrical Manufacturers Association (NEMA)
7. United States of America Standard (USAS)
8. Hydraulic Institute (HI)

2.1.2 Construction Documents

The mechanical system design shall be documented with the following drawings:

1. Symbols and General Notes
2. General Equipment Plans, Sections, and Details
3. Mechanical Typical Details
4. Mechanical Piping Plans
5. Mechanical Details

2.2 Electrical and Instrumentation Design Criteria

For the electrical and instrumentation design components of the project, design will be guided by industry standards and applicable codes. In general, the purpose of outlining the electrical and instrumentation basis of design is to yield a sound design that will limit maintenance, increase reliability, and increase the life of the facility. Some goals of the electrical and instrumentation design include:

- **Increased Reliability.** Design the electrical equipment and systems to minimize outages and failures.
- **Increased Availability.** The emergency power system, where applicable, shall assume the critical load in the event the commercial power fails. The programmable logic controllers (PLCs) controlling the pumps will have redundant processors. The standby processor will automatically assume control if the lead processor fails.
- **Increased Safety.** Specify the electrical equipment to meet or exceed the required short circuit ratings to ensure the safety of personnel and equipment. The reservoir sites' transformers shall not be overloaded under a 100-percent operating condition. Grounding of all electrical equipment shall be in accordance with applicable safety standards. Design the electric system so that it is not necessary to work on energized conductors.
- **Increased Cost Effectiveness.** Specify the electrical equipment and the systems to minimize the capital and operating costs without compromising quality.
- **Improved Efficiency.** Use proven state-of-the-art technology in designing and specifying efficiency in the equipment and systems.
- **Improved Flexibility.** Specify readily available equipment to facilitate easy acquisition of spare parts.
- **Maximized Space Requirements.** Utilize the available building space as efficiently as possible; all while providing adequate clearances for the convenience of maintenance and new equipment installations. Classify the buildings and work areas in accordance with the National Electrical Code (NEC) and other applicable standards; select suitable National Electrical Manufacturers Association (NEMA) rated enclosures for all electrical equipment.

The following sections detail the basis of design that will be used for these design elements as part of the project.

2.2.1 Applicable Codes and Standards

The following codes, standards, and specifications shall be considered as part of these criteria. All documents shall be the latest edition in force on the date of issuance of the purchase order. Whenever a difference exists between documents issued and any referenced publications, the more stringent requirement shall govern.

1. International Society of Automation (ISA):

- a. S5.1 Instrument Symbols and Identification
 - b. S5.2 Binary Logic Diagrams for Process Operations
 - c. S5.3 Graphic Symbols for Distributed Control/Shared Display Instrumentation
 - d. S5.4 Instrument Loop Diagrams
2. National Fire Protection Association (NFPA):
 - a. NFPA-70 National Electrical Code
 - b. NFPA-70E Standard for Electrical Safety in the Work Place
 3. Institute of Electrical and Electronics Engineers (IEEE):
 - a. IEEE 472-74 Guide for Surge Withstand Capability (SWC) Tests
 - b. ANSI/IEEE C2, National Electrical Safety Code
 - c. IEEE 519 Recommended Practice and Requirements for Harmonic Control in Electric Power Systems
 4. Occupational Safety and Health Association (OSHA) Standard:
 - a. Code of Federal Regulations Title 27 Dept. of Labor
 - b. National Electrical Manufacturers Association (NEMA)
 5. Electrical Design:
 - a. California Code of Regulations, Title 8, Electrical Safety Orders
 - b. American National Standard Institute (ANSI)
 - c. National Electrical Manufacturer’s Association (NEMA)
 - d. Underwriters’ Laboratories
 - e. Institute of Electrical and Electronics Engineers (IEEE)
 - f. Illumination Engineers Society
 - g. Insulated Cable Engineers Association
 - h. ANSI/IEEE 242, Recommended Practice for Protection and Coordination of Industrial Plants

2.2.2 Detailed Electrical Design Criteria

The general electrical design shall conform to the Electrical Design Standards of BC and the electrical drawings and plans shall conform to the BC drafting standards. The applicable design criteria for the electrical facilities to be upgraded are summarized in Table 2-1.

Table 2-1. Electrical Design Criteria	
Voltage Drop:	<ul style="list-style-type: none"> Normal operation - feeders 2% or less. Feeders and branch circuits combined 5% or less. Contingency operation - feeders 5 % or less. Feeders and branch circuits combined 8% or less.
Conductor Ampacity:	125% or more of connected load with additional oversizing for energy efficiency based on actual load demands.
Power Factor:	<ul style="list-style-type: none"> Correction as required to maintain an overall 90% power factor or better. Correction to be closely coordinated with harmonic generating loads to avoid resonant operating conditions.
Harmonic Distortion:	Total harmonic distortion (voltage) at point of common coupling (PCC) per IEEE 519 Table 1. Total demand distortion (current) at the point of common coupling (PCC) per IEEE 519 Table 2.
Demand Factor:	80%
Cables:	<ul style="list-style-type: none"> Low voltage power - stranded copper conductors, thermoplastic high-heat water-resistant (THHW), thermoplastic heat and water-resistant (THW), or thermo-plastic heat and water-resistant, nylon-coated

Table 2-1. Electrical Design Criteria	
	<p>(THWN) insulation on feeders, branch circuits, and building wiring. Cross-linked polyethylene high-heat water-water resistant (XHHW-2) insulation on 125VDC and 480V motor feeders. 90-degree C° temperature rise on all insulation.</p> <ul style="list-style-type: none"> • Low voltage control – multi-conductor, polyvinyl chloride (PVC)-jacketed, color-coded 600V THWN insulation. • Low voltage instrumentation – multi-twisted pair, individual/overall Mylar-shielded, PVC-jacketed, black/white 600V THWN insulation.
Raceways:	<ul style="list-style-type: none"> • Exposed conduits - rigid galvanized steel. • Exposed conduits in corrosive areas – PVC-coated rigid steel. • Concrete embedded conduits - PVC Schedule 40 (duct bank), rigid galvanized steel or PVC-coated rigid steel in structure concrete slab. • Cable tray - aluminum ladder type. • Conduits in reinforced duct bank - Type E-B plastic. • Initial conduit-fill not to exceed 30%.
Electrical Calculations	<p>Voltage drops and short circuit calculations shall be performed.</p>

2.2.3 Construction Documents

The electrical system design shall be documented with the following drawings:

1. Symbols and General Notes
2. Control schematics
3. Equipment and Conduit Plans, Sections and Details
4. Grounding Plans and Details
5. Distribution Panel and Lighting Panel Schedules
6. Conduit and Cable Schedules
7. Detailed wiring diagrams (to be developed by the installation contractor)
8. Electrical and Instrumentation Typical Details

2.3 Structural Design Criteria

For the structural design components of the project, design will be guided by industry standards and applicable codes. In general, the purpose of outlining the structural basis of design is to yield a sound design that will limit maintenance, increase reliability, and increase the life of the facility. Some goals of the structural design include:

Safety: Provide seismically sound design supports, foundations, and anchorage for the pumps, generators, valves, and electrical equipment.

The following sections detail the basis of design that will be used for structural design elements to the project.

2.3.1 Applicable Codes

The following is a list of applicable codes, standards, and references that will apply to the structural design of Reservoirs 1 and 2 Upgrades components:

1. American Concrete Institute (ACI), ACI 318-11, Building Code Requirements for Structural Concrete and Commentary.
2. American Concrete Institute (ACI), ACI 350-06, Code Requirements for Environmental Engineering Concrete Structures and Commentary.
3. American Institute of Steel Construction (AISC), Steel Construction Manual, 14th Edition.
4. American Iron and Steel Institute (AISI).
5. American National Standards Institute (ANSI).
6. American Society of Civil Engineers (ASCE), ASCE 7-10, Minimum Design Loads for Buildings and Other Structures.
7. American Society for Testing and Materials Standards (ASTM).
8. American Welding Society (AWS), AWS D1.1-2010, Structural Welding Code Steel.
9. California Building Standards Commission (CBSC), California Building Code (CBC), 2014 Edition.
10. Concrete Reinforcing Steel Institute (CRSI) Handbook.
11. International Code Council (ICC), International Building Code (IBC), 2010 Edition.

2.3.2 Detailed Structural Design Criteria

Structural designs are to be prepared in accordance with recognized engineering principles and accepted practices established by building codes and the codes published by various professional institutions. The following sections summarize the various types of structural loads that may apply to the design of the Reservoirs 1 and 2 Upgrades facilities.

2.3.2.1 Dead Loads

Dead loads shall be the loads resulting from the weight of all fixed construction, equipment, and fixtures such as walls, partitions, floors, roofs, equipment bases, soil overburden, and all permanent non-removable stationary equipment. In estimating dead loads for purposes of design, the actual weights of materials and construction methods shall be used, such as:

1. Weight of structure.
2. Weight of pipe and valves, including the weight of contents.
3. Weight of mechanical and electrical equipment.

2.3.2.2 Live Loads

Live loads are produced by the use and occupancy of the building or other structure and do not include environmental loads such as wind load, snow load, rain load, earthquake load, or dead load. For example, live loads on a roof may be produced by workers performing maintenance, equipment, and materials during the life of the structure. The live loads assumed in the design of structures shall be the maximum loads likely to be produced by the intended use of occupancy but shall, in no case,

be less than the minimum uniformly distributed unit loads required by the CBC. Those live loads used during design will include roof loads per the CBC (including wind loads), mechanical and operating forces and reactions, reactions due to hydraulic thrusts, and hydrostatic loads including internal and external water pressure.

The following, maximum loadings shall be used for structural surfaces:

1. Heavy equipment rooms: 250 pounds per square feet (psf)
2. Electrical control rooms: 250 psf
3. All other floors: 100 psf
4. Walkways, platforms, and stairs: 100 psf
5. Grating, floor plate and hatches: same loading as adjacent floor
6. Concentrated gravity load of 2,000 pounds minimum on any floor span supporting a tributary area greater than 200 square ft.

2.3.2.3 Seismic Loading

The governing building code will be the current edition of the CBC. As a general rule, whenever a design condition has been explicitly addressed by the codes, the more stringent criteria shall be used. Seismic loads shall be based on the Risk-Targeted Maximum Considered Earthquake (MCER) ground motion in accordance with ASCE 7. Unless noted otherwise, the seismic importance factor (I) shall be 1.5 based on risk category IV.

2.3.2.3.1 Risk Category

The buildings and structures shall be classified as essential facilities. Loads for wind and seismic design shall be in accordance with risk category IV.

2.3.2.4 Equipment Anchorage

Anchorage of equipment shall be based on CBC criteria using the site-specific seismic factors specified in the design drawings. In general, cast-in-concrete anchor bolts shall be used whenever possible and no cinch anchor, expansion anchor, or chemical anchor shall be used on rotating equipment greater than 2.0 horsepower. For all equipment weighing 400 pounds or more, the minimum anchor bolt (including chemical anchor bolt) diameter shall be 5/8-inch. The minimum anchor bolt diameter for all other equipment shall be 3/8-inch.

2.3.2.5 Major Structural Materials

2.3.2.5.1 Concrete

The strength of concrete used on the project will be based on the application:

1. $f'c = 4,000$ psi – all structural applications unless noted otherwise.
2. $f'c = 3,000$ psi – unreinforced curbs, gutters and drainage structures.
3. $f'c = 2,000$ psi – concrete fill for structural foundations.
4. $f'c = 5,000$ psi – precast concrete.

5. $f'c = 1,500$ psi – electrical duct encasement.

2.3.2.5.2 Concrete Reinforcement

Reinforcing steel bars are ASTM A615 Grade 60 with $F_y = 60$ kips per square inch (ksi).

Welded wire fabric are ASTM A185 with $F_y = 70$ ksi.

2.3.2.6 Construction Documents

Construction documents shall indicate the following design information:

1. General Structural Sheets, which include:
 - a. Live loads
 - b. Seismic design data, including:
 - i. Seismic importance factor
 - ii. Risk category
 - iii. S_s and S_1 (if applicable)
 - iv. Site Class
 - v. SDS and SD1
 - vi. Seismic design category
 - vii. Design base shear (if applicable)
 - viii. Seismic response coefficient, C_s
 - ix. Response modification factor(s) R
 - c. Analysis procedure used: linear static analysis unless noted otherwise.
 - d. Special loads, including:
 - i. Special loads along with the code sections that address the special loading conditions.
 - e. Special Inspection:
 - i. Systems and components requiring special inspection for seismic resistance.
2. General Structural Notes and Abbreviations
3. Structural Typical Details
4. Structural Plans and Sections

2.4 Civil Design

Each site is slightly different in configuration and includes the existing reservoir, reservoir pumps and piping, chemical storage facilities, and electrical equipment. Both sites are considered space-limited. Overall, the civil design components of the project will be limited since majority of the work will involve the replacement of existing equipment. As such, civil work will include yard piping and duct banks, which will be dictated by the subsequent mechanical, structural, electrical, and instrumentation design criteria.

2.4.1 Applicable Standards

1. American Society for Testing and Materials (ASTM) International
2. Code of Federal Regulations (CFR)
3. Occupational Safety and Health Standards (OSHA)
4. South Coast Air Quality Management District (SCAQMD)
5. Standard Specifications for Public Works Construction (SSPWC), “Greenbook”

2.4.2 Construction Documents

The civil design shall be documented with the following drawings:

1. Symbols and General Notes
2. Grading and Paving Plans
3. Yard Piping and Duct Bank Plans
4. Civil Typical Details

Section 3

Hydraulic Analysis

This Section summarizes the hydraulic analysis completed to size and select new pumps. System head curves were developed for each pump station.

3.1 Hydraulic Model

The hydraulic analysis was done using Mesa Water's InfoWater hydraulic model (named PW_Model_MesaWaterDistrict11680A00). The model was supplied by Mesa Water and was not updated, calibrated, or verified for this analysis. New model scenarios were created based on the following existing model scenarios: SCENARIO2MINDD, SCENARIO2ADD, SCENARIO2ADD.

The following elevations taken from drawings were used in the analysis:

- Reservoir 1 tank floor elevation = 75.3 feet (ft)
- Reservoir 2 tank floor elevation = 41.5 ft
- Reservoir 1 pump centerline elevation = 99.3 ft
- Reservoir 2 pump centerline elevation = 73.0 ft

The elevations listed above matched model elevations within one foot except at Reservoir 1. For Reservoir 1, the model floor elevation was 123 ft. This error caused Reservoir 1 system head curves to be off by 48 ft until this model error was caught and corrected.

3.2 System Head Curve Analysis

System head curves were calculated for the two pump stations using the scenarios listed in Table 3-1. The table includes the following information:

- **Suction tank elevation.** Low and high tank levels were used to model a range of suction conditions. Elevations included:
 - **Reservoir 1.** Tank levels of 5 and 36 ft (head of 80 ft and 111 ft)
 - **Reservoir 2.** Tank levels of 5 and 36 ft (head of 47 and 77 ft)
- **Discharge target head locations.** The pump stations are currently operated by throttling pump speeds to maintain discharge pressures within a range of pressures. The replacement pumps will be operated using variable-frequency drives (VFDs) to maintain the same discharge heads. When maintaining a set head at the discharge side of a pump station, system head curves are flat because the pump station only needs to put out that target head and the curves do not include additional head loss due to pushing flows into the distribution system. The only head loss shown in the curves will be due to losses at the pump station between the suction tank and the discharge side of the pumps. These pump station piping losses were not included in the modeling but are included in the design.

Additional scenarios were modeled by placing the target heads at other locations in the system. These scenarios yielded system head curves that curve upwards to account for distribution system head losses. However, these scenarios are not presented in the table because the pump stations will continue to be operated using target pressures at the discharge side of the pumps.

- **Discharge target heads.** The pump stations were operated to maintain the following target heads:
 - The target head at the R1 pump station includes a pressure range of 59 to 64 psi at an elevation of 99.3 ft, which equals a head range of 236 to 247 ft.
 - The target head at the R2 pump station includes a pressure range of 69 to 74 psi at an elevation of 73.0 ft, which equals a head range of 232 ft to 244 ft.
- **Total Dynamic Head.** Total dynamic head (TDH) was calculated by subtracting suction head from discharge head. The TDH is listed at 0 gallons per minute (gpm) and at the pump station design flows, 10,250 gpm for the Reservoir 1 pump station and 15,000 gpm for the Reservoir 2 pump station. A range of TDHs are given because a range of suction heads were analyzed for each set of discharge heads.
- **Wells.** The wells listed in Table 3-1 were used for some scenarios. The wells were turned on at the flows listed in the table and then the pump stations were ramped up over a range of flows. Wells were turned off for other scenarios. As discussed above, the system head curves only include enough head to meet the target discharge head and do not need to account for additional losses in the distribution system. Therefore, additional head in the distribution system due to turning on wells did not affect the system head curves.
- **Other sources.** The other sources listed in the table were turned off for all scenarios as agreed upon during discussions with Mesa Water regarding which scenarios to model. However, as explained for the wells, turning on other sources would not affect the system head curves.

Table 3-1. System Head Curve Scenarios

Data / Source		Reservoir 1 Scenarios		Reservoir 2 Scenarios	
		R1-A	R1-B	R2-A	R2-B
Suction Tank Elevation (ft)	Reservoir 1	80 and 111	80 and 111	Off	Off
	Reservoir 2	Off	Off	47 and 77	47 and 77
Discharge Target Head	Location	R1	R1	R2	R2
	Head (ft)	247	236	244	232
Res 1 TDH (ft)	At 0 gpm	136 to 167	124 to 155	-	-
	At 10,250 gpm	136 to 167	124 to 155	-	-
Res 2 TDH (ft)	At 0 gpm	-	-	169 to 199	158 to 188
	At 15,000 gpm	-	-	169 to 199	158 to 188
Wells (gpm)	Well 12	4,000	-	4,000	-
	Well 14	4,000	-	4,000	-
	Well 5	2,200	-	2,200	-
	Well 1	2,300	-	2,300	-
	Well 3	1,600	-	1,600	-
	Well 7	1,300	-	1,300	-
	Well 9	1,800	-	1,800	-
Other Sources	MWRF	-	-	-	-



Table 3-1. System Head Curve Scenarios

Data / Source		Reservoir 1 Scenarios		Reservoir 2 Scenarios	
		R1-A	R1-B	R2-A	R2-B
	HILIFT at MWRP	-	-	-	-
	Imported Water Connections	-	-	-	-

The scenarios listed in Table 3-1 only include running a pump station when the other pump station is off. Scenarios were also analyzed for each pump station with both pump stations operating at the same time. However, these scenarios gave the exact same flat system head curves, so they are not presented in the table.

3.3 System Head Curve Results

Figures 3-1 and 3-2 show the following information for Reservoirs 1 and 2:

- **System head curves.** System head curves for each scenario detailed above are shown in each figure.
- **Existing pump curves.** For Reservoir 1, Figure 3-1 shows system head and pump curves for 1, 2, 3, and 5 pumps (which includes three main pumps plus two jockey pumps). For Reservoir 2, Figure 3-2 shows system head and pump curves for 1, 2, 3, and 4 pumps. The pump curves were taken from scanned pump curves supplied by Mesa Water. The sheet for the Reservoir 1 jockey pump had several pump curves with different impeller diameters and it was not clear how many stages the jockey pumps have. To match the modeled pump curve, it was assumed that the pumps have seven stages and the curve for the 10.5-inch impeller diameter was used.
- **Existing Reservoirs 1 and 2 pump station capacity.** Existing Reservoirs 1 and 2 have pump station capacities of 10,250 gpm and 15,000 gpm, respectively.
- **SCADA data for August 23, 2020, through August 23, 2021.** The supervisory control and data acquisition (SCADA) data shows how the pump stations currently operate as compared to the calculated system head curves. The SCADA points are plotted as flow vs. the difference in head across each pump station (discharge head minus suction head). To highlight the most frequent flow and head combinations (or where the pump stations pump most often), the SCADA curves were divided into the following five sets:
 - **SCADA < 1 Hour.** The pump station ran at this flow/head point for less than 1 total hour over the year of SCADA data.
 - **SCADA 1-10 Hours.** The pump station ran at this flow/head point for between 1 and 10 total hours over the year of SCADA data.
 - **SCADA 10-25 Hours.** The pump station ran at this flow/head point for between 10 and 25 total hours over the year of SCADA data.
 - **SCADA 25-50 Hours.** The pump station ran at this flow/head point for between 25 and 50 total hours over the year of SCADA data.
 - **SCADA > 50 Hours.** The pump station ran at this flow/head point for more than 50 total hours over the year of SCADA data.

Table 3-2 lists the percent of time each pump station ran at or below a flow rate for the same August 2020 through August 2021 period. Figure 3-3 shows a graph of the same data.

Table 3-2. Percent of Time Running at a Flow for 2020-2021		
Flow Range (gpm)	Percent Time Running at or Below Flow	
	Reservoir 1 Pump Station	Reservoir 2 Pump Station
< 200	4%	3%
< 400	22%	5%
< 600	27%	8%
< 800	35%	17%
< 1,000	43%	25%
< 1,200	52%	33%
< 1,400	58%	39%
< 1,600	62%	46%
< 1,800	67%	53%
< 2,000	72%	60%
< 2,200	77%	65%
< 2,400	80%	70%
< 2,600	83%	74%
< 2,800	85%	78%
< 3,000	87%	81%
< 3,200	89%	83%
< 3,400	91%	85%
< 3,600	92%	88%
< 3,800	94%	90%
< 4,000	95%	91%
>= 4,000	100%	100%

The system head curves do not include minor losses (station losses) at the pump stations. Minor losses (station losses) will be included for the detailed design as noted above.

Figures 3-1 and 3-2 show the current configuration and operations at both Reservoir 1 and 2. However, it should be noted that one pump was offline for most of the period represented in the SCADA data at Reservoir 1. Therefore, the actual current capacity at Reservoir 1 is 7,500 gpm. This project will restore Reservoir 1's capacity back to 10,000 gpm.

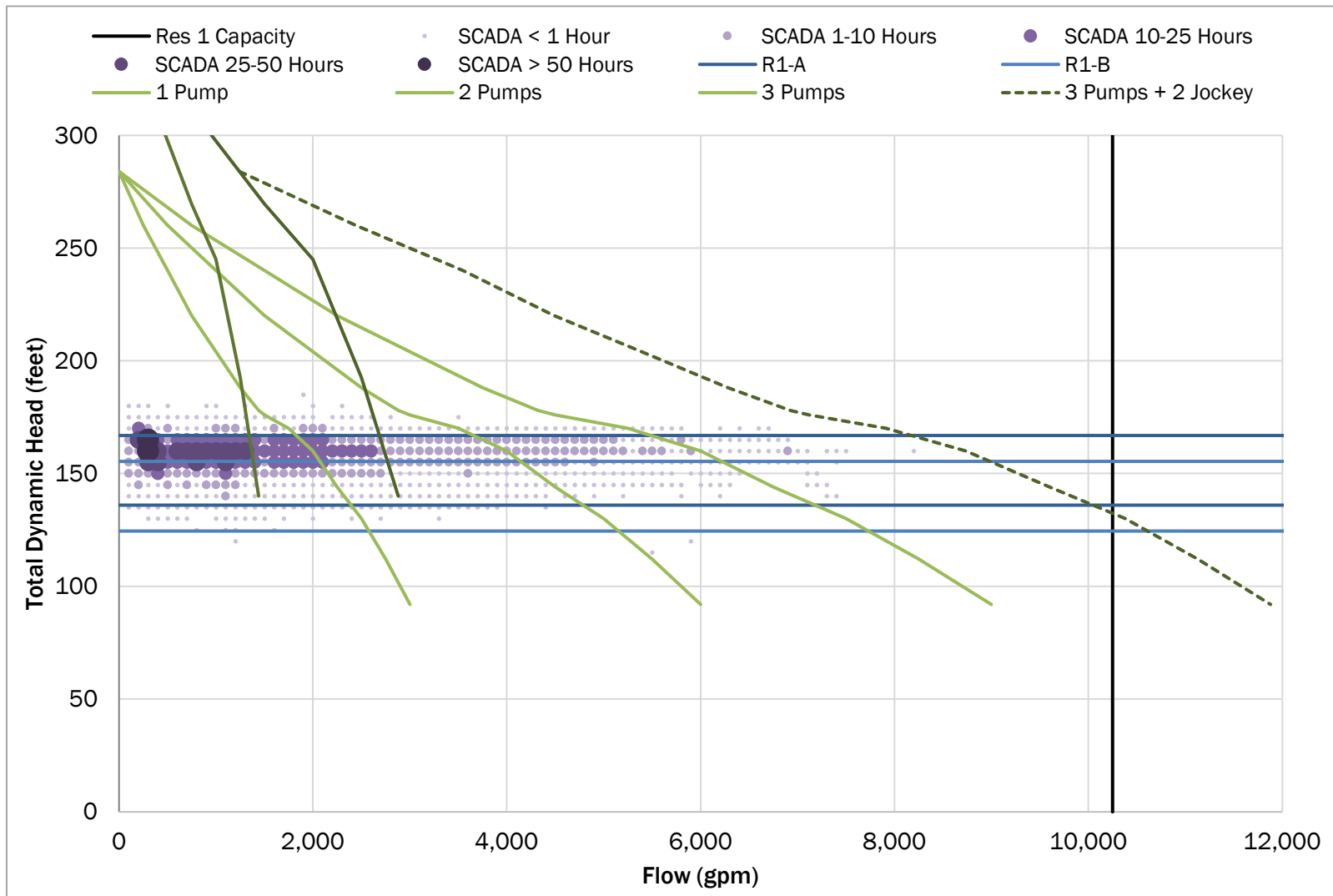


Figure 3-1. Reservoir 1 Systems Head Curves and Existing Pump Curves



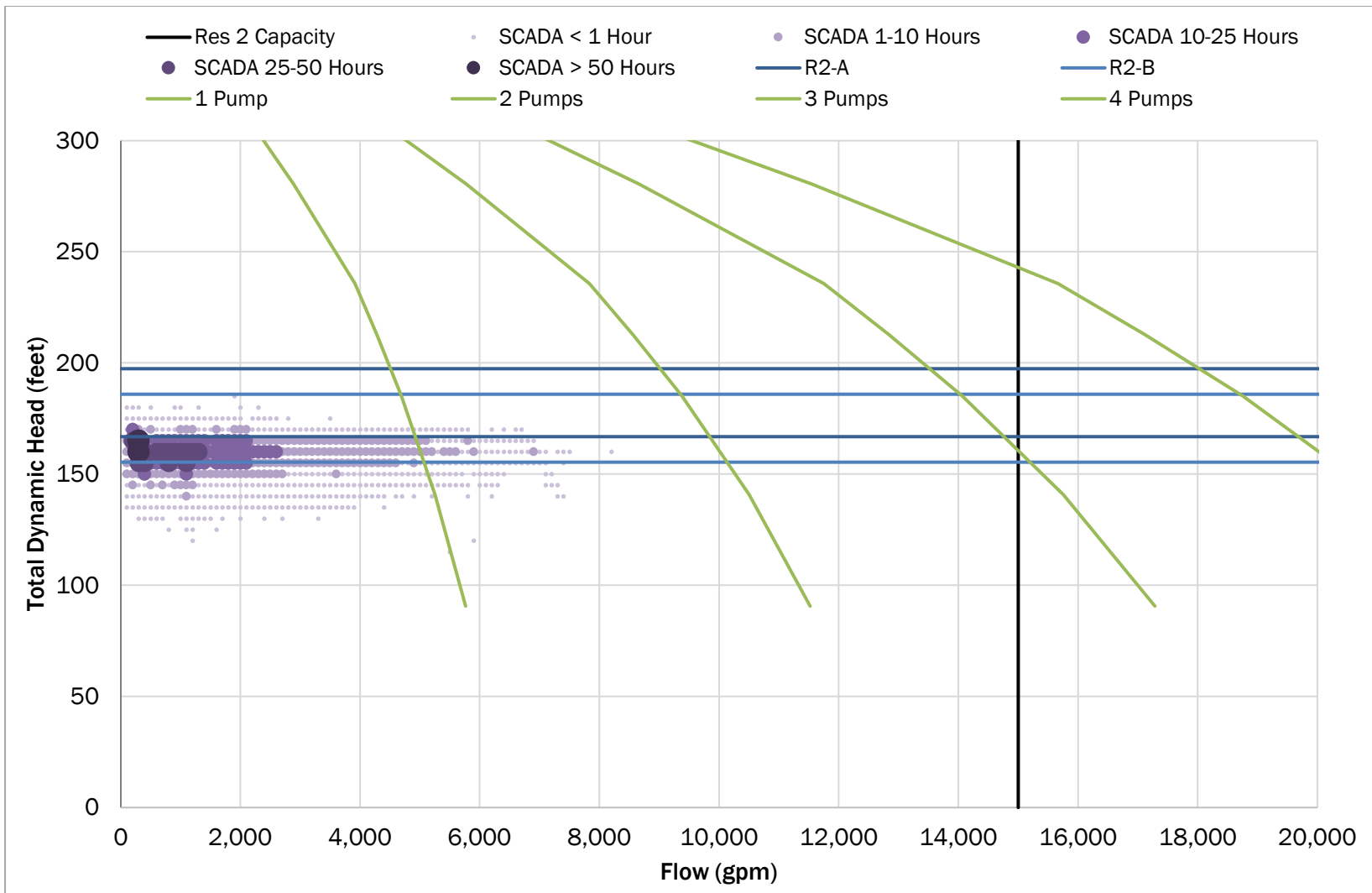


Figure 3-2. Reservoir 2 System Head Curves and Existing Pump Curves



Figure 3-3 shows the frequency in time by which the existing pump stations operate, in gpm, during the months between August 2020 and August 2021. For example, Reservoir 2 operates between 0 to 2,000 gpm approximately 60% of time and between 2,000 to 4,000 gpm approximately 30% (90% - 60%) of time. In other words, Reservoir 2 operates between 0 to 4,000 gpm approximately 90% of time.

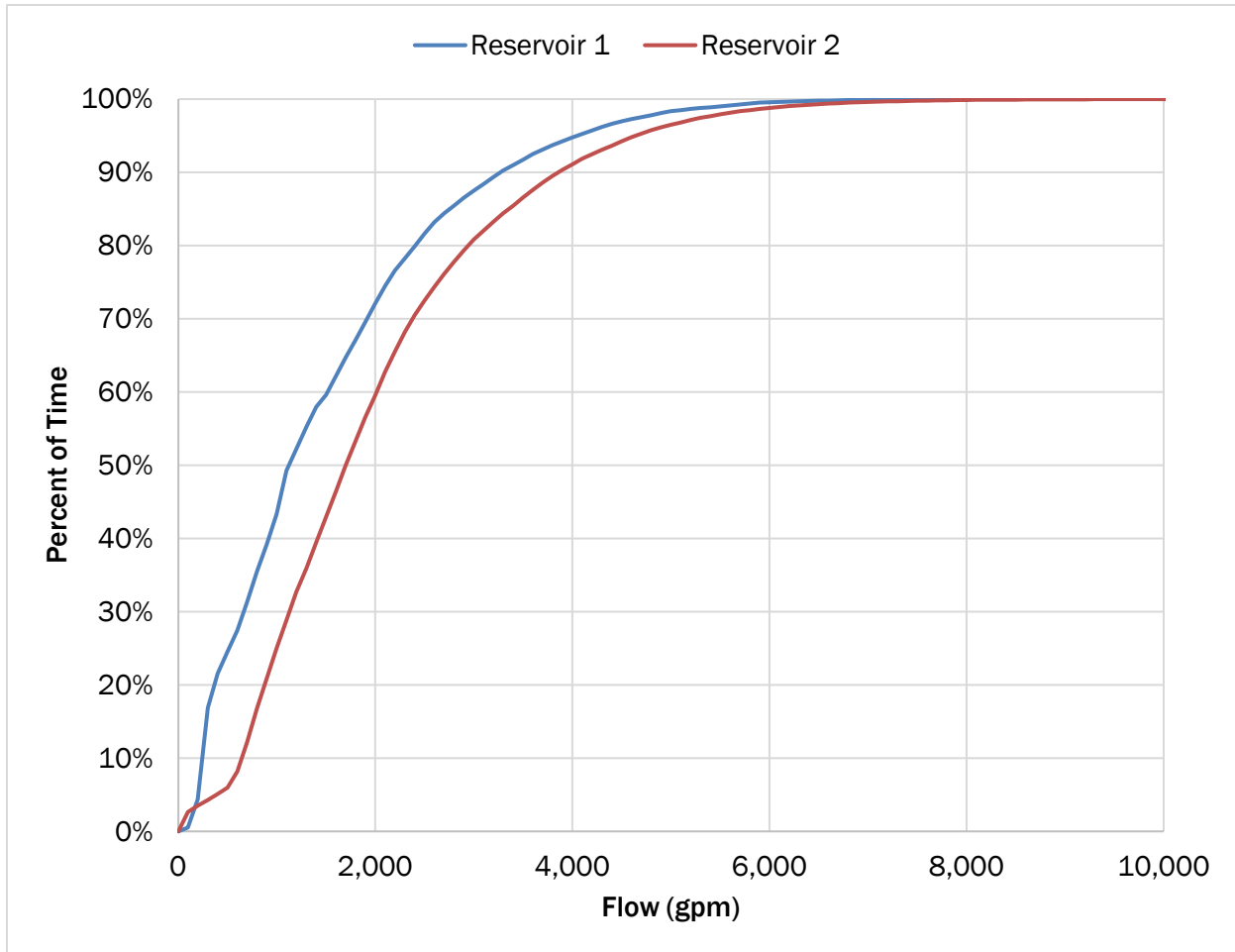


Figure 3-3. Percent of Time Running at a Flow for 2020-2021

Section 4

Preliminary Design

This Section evaluates several design alternatives to be considered for the basis of design. This Preliminary Design Report will present these alternatives before Mesa Water along with recommendations to be considered to establish the basis of design for each of the two (2) reservoir sites. Major design decisions will be based on the site constraints and requests for operational and site design requirements by Mesa Water. Preliminary site and pump station designs were modeled using three-dimensional software and computational fluid dynamics (CFD) analysis.

4.1 Mechanical Overview

The scope of work, as illustrated in Figures 4-1 and 4-2, will focus on replacing the existing reservoir vertical turbine pumps with new electric motor vertical turbine pumps. The existing suction header and discharge header shall remain and be protected in place. The relocated chemical system shall include new flow meters and feed controller with tie in connections to the new SCADA system for controlled feed rate injection of chemicals. The red hatching in Figures 4-1 and 4-2 denote only the main components to be demolished, not all components are captured in these plans.

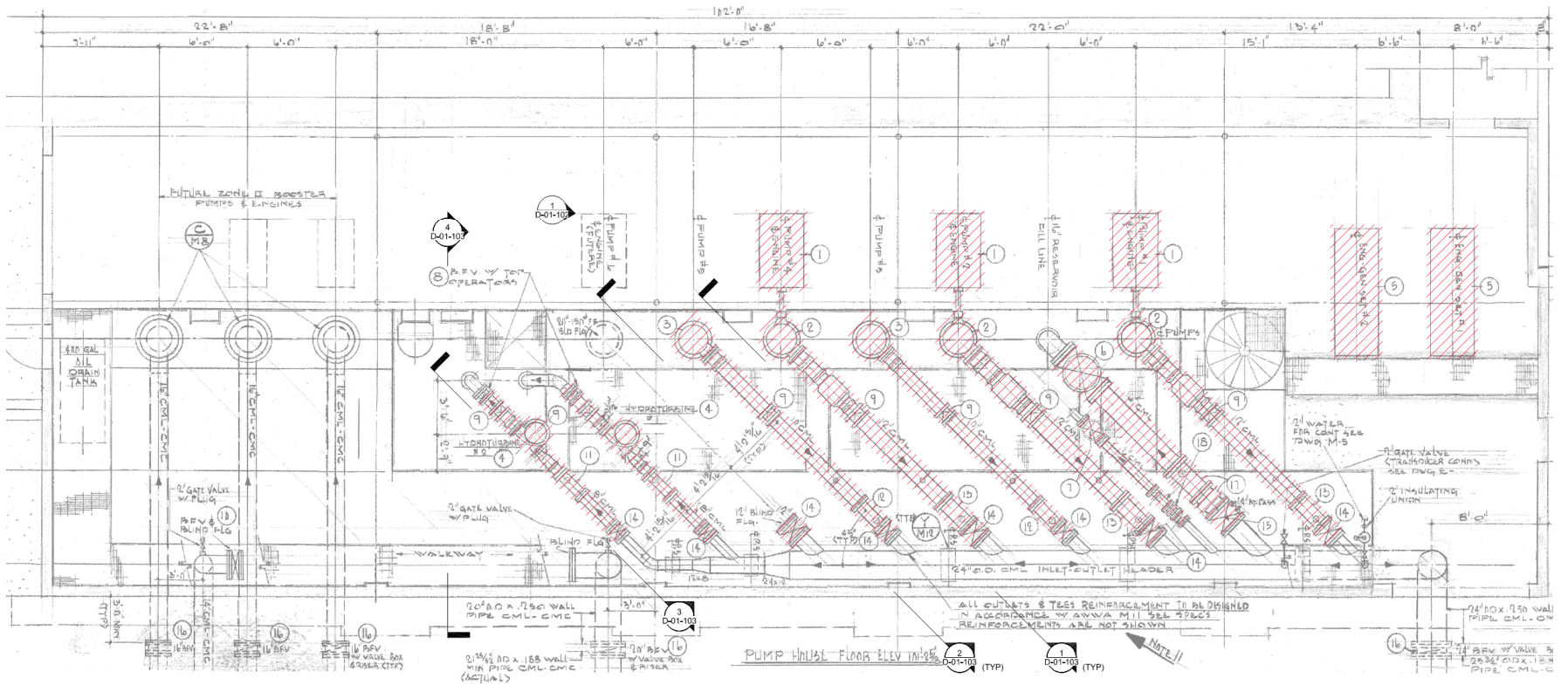


Figure 4-1. Reservoir 1 Demolition Plan



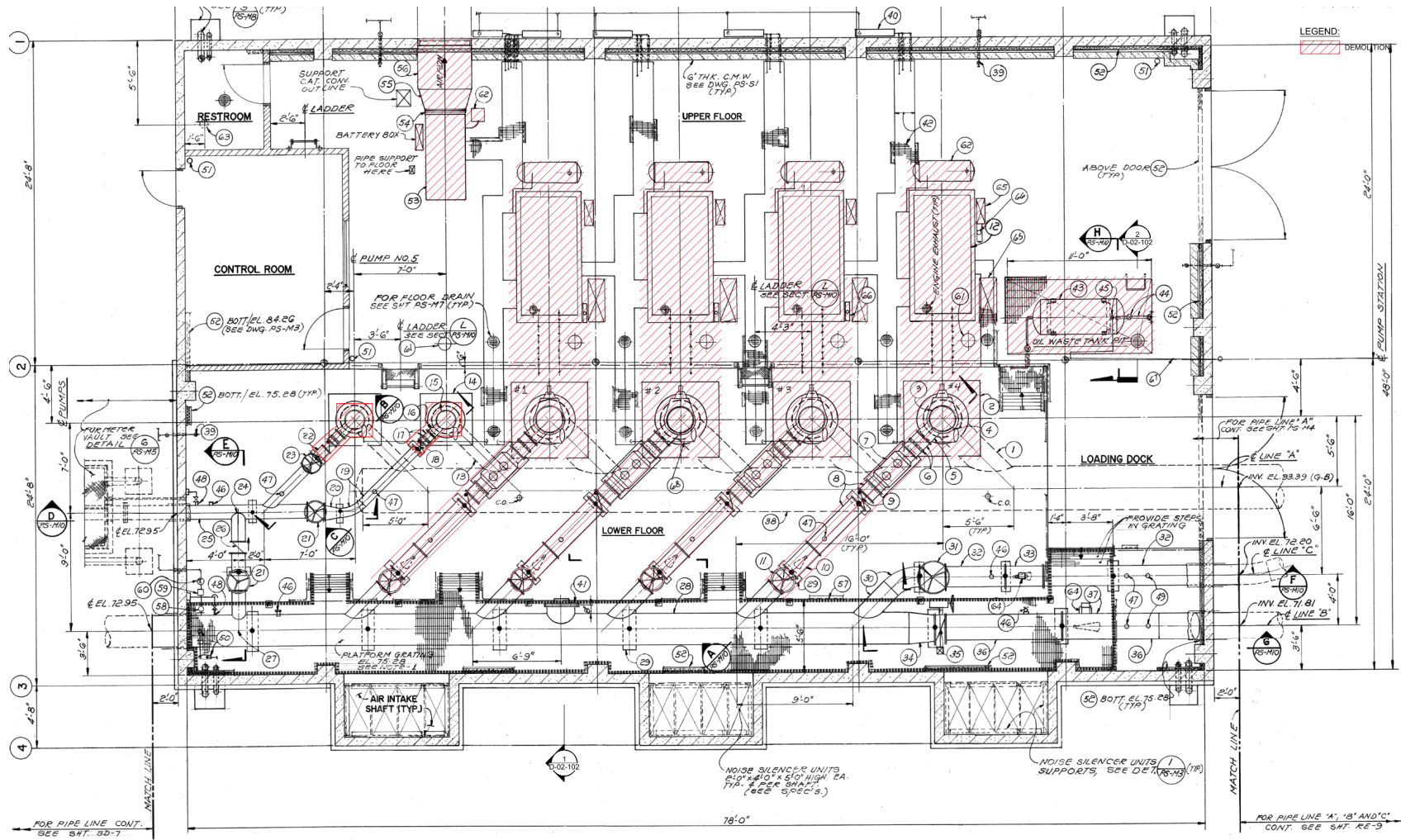


Figure 4-2. Reservoir 2 Demolition Plan



4.1.1.1 Vertical Turbine Pumps – Enclosed Type

Note that compliance with Hydraulic Institute (HI) 9.8 requirements has been taken into consideration in the selection of the replacement vertical turbine pumps with particular focus on the following categories (see Figure 4-3):

1. Velocity through suction piping shall be less than 4 ft/sec.
2. Velocity through pump barrel shall be less than 5 ft/sec.

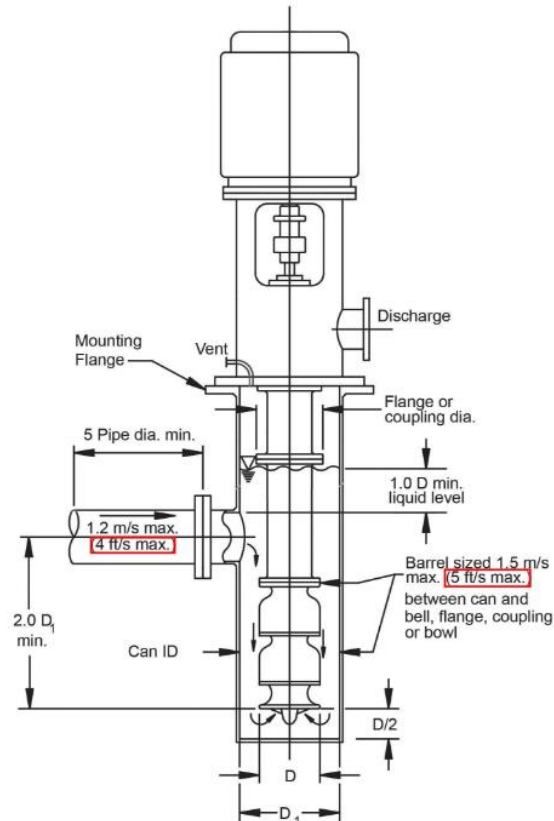


Figure 4-3. Excerpt of HI 9.8.3.6.5 Requirement (Closed Bottom of Can)

Additionally, the existing vertical turbine pumps do not meet HI 9.8 requirements along the suction side of the pump where HI 9.8 requires the length of the suction pipe to be five (5) times the suction pipe diameter. To address non-compliance, extensive modifications would be required on the existing suction header manifold. At Reservoir 2, this will impact the existing building as the suction header is encased in concrete. Mesa Water confirmed that the limited pipe length along the suction side did not have any impact to the historical pump performance. At this point, non-compliance with the HI requirement for suction pipe length will not be a factor in the pump selection.

4.1.1.1.1 Reservoir 1 Pump Selection

From the PSOP document provided by Mesa Water, the system flow rate shall be designed to meet 10,250 gpm with an operating pressure range of 65 – 68 psi (150 - 157 ft). To be compliant with HI 9.8 requirement, the velocity through the suction pipe shall be limited to less than 4 ft/s. Refer to Table 4-1 for calculation of maximum flow rates each type of pump can accommodate.

Table 4-1. Reservoir 1 Maximum Flow Rate Calculation			
	Main Pump	Jockey Pump	Description
D _s (in)	18	12	D _s = suction pipe diameter
A _s (ft ²)	1.8	0.8	A _s = cross sectional area of pipe
V _{max} (ft/s)	4	4	V _{max} (Max Velocity) = 4 ft/s per HI 9.8
Q _{Smax} (gpm)	3173	1410	Q _{Smax} = Max suction flow per pump based on max velocity of 4 ft/s per HI 9.8

Table 4-2 shows the operating ranges for Reservoir 1. Selected pumps meet criteria based on compliance with the HI 9.8 requirement.

Table 4-2. Reservoir 1 Pump Selection Criteria							
	R1 Main Pump 1	R1 Main Pump 2	R1 Main Pump 3	R1 Main Pump 4	R1 Jockey Pump 1	R1 Jockey Pump 2	Total System Flow
Max Flow Rate (gpm)	2600	2600	2600	2600	1300	1300	
Min Flow Rate (gpm)	1300	1300	1300	1300	250	250	
At Max Capacity	On	On	On	On	Off	Off	10,400 gpm
At Min Flow	Off	Off	Off	Off	On	Sequenced	250 gpm
TDH (ft)	160	160	160	160	160	160	

The proposed pump arrangement as shown on Figure 4-4 allows for a N+1 configuration where the two (2) Jockey Pumps will be assigned as the +1 standby pumps to meet the flow demand. Additionally, Main Pump 4 will utilize the existing suction can that is currently vacant.

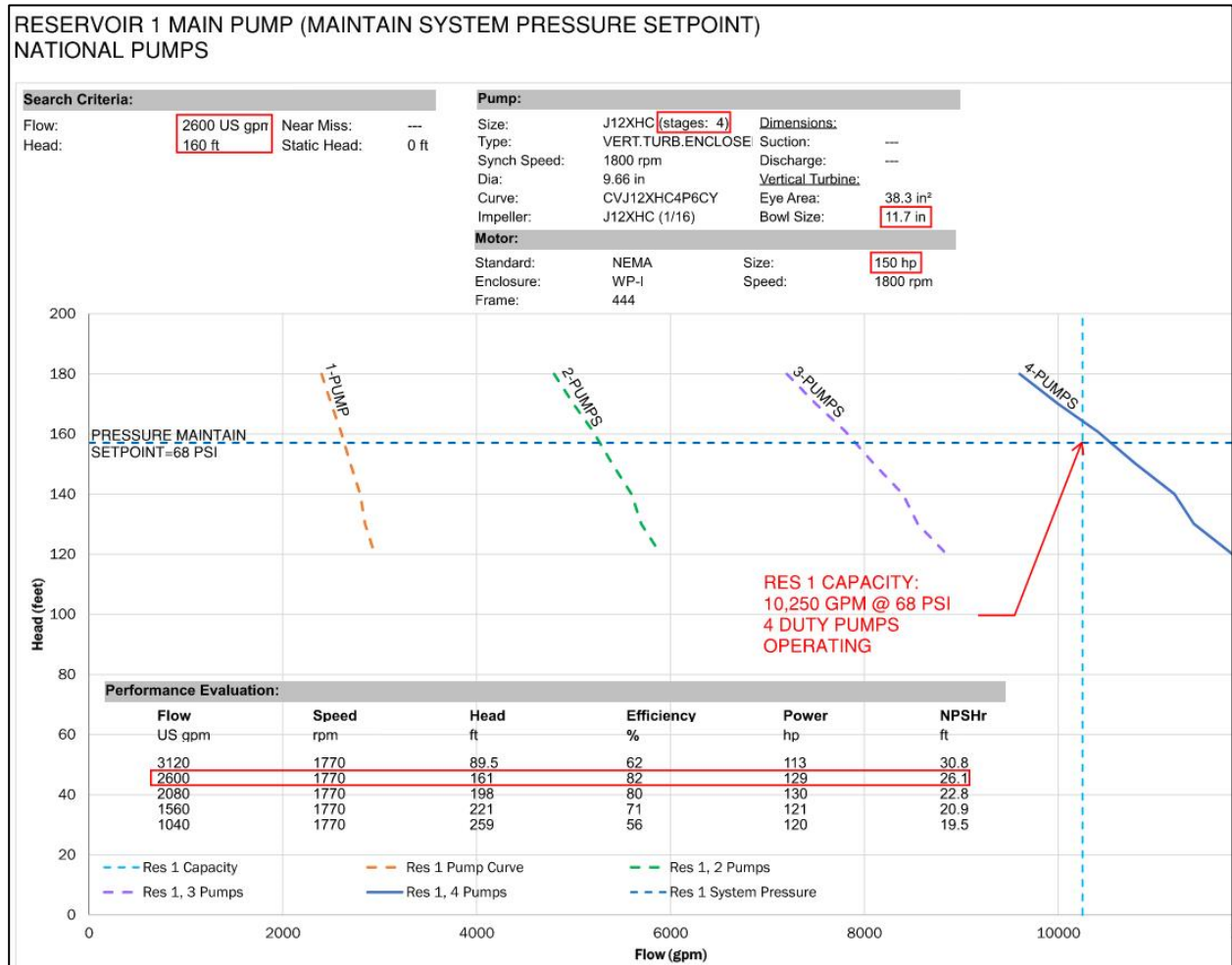


Figure 4-4. Reservoir 1 – Duty Pump Operation

Figure 4-5 shows the operating range of a single duty pump turned down to 1,510 revolutions per minute (rpm) producing a minimum flow of 1,300 gpm. Flows lower than 1,300 gpm would be handled by one (1) or two (2) jockey pumps operating in parallel. Figure 4-6 shows the operating range of a single jockey pump turned down to 1,510 rpm producing a minimum flow of 250 gpm. At 250 gpm, the Reservoir 1 pump station can operate approximately 85% of time without cycling (reference Table 3-2).



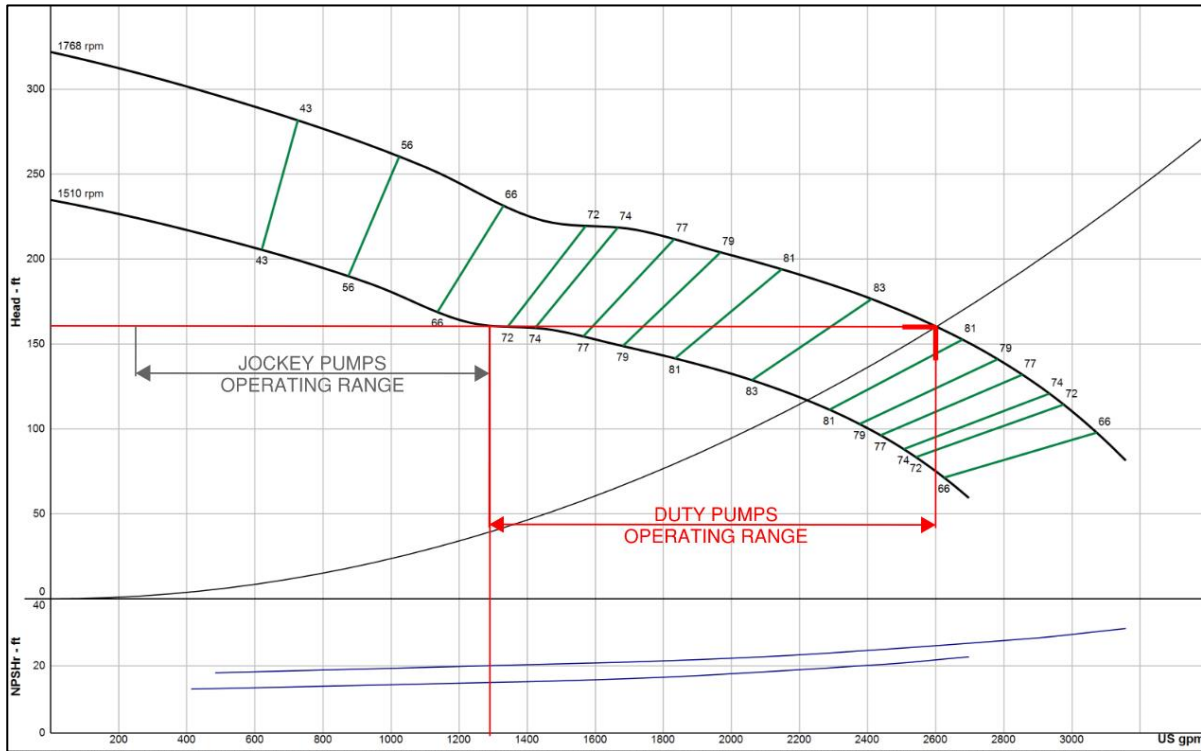


Figure 4-5. Reservoir 1 – Duty Pump Operating Range

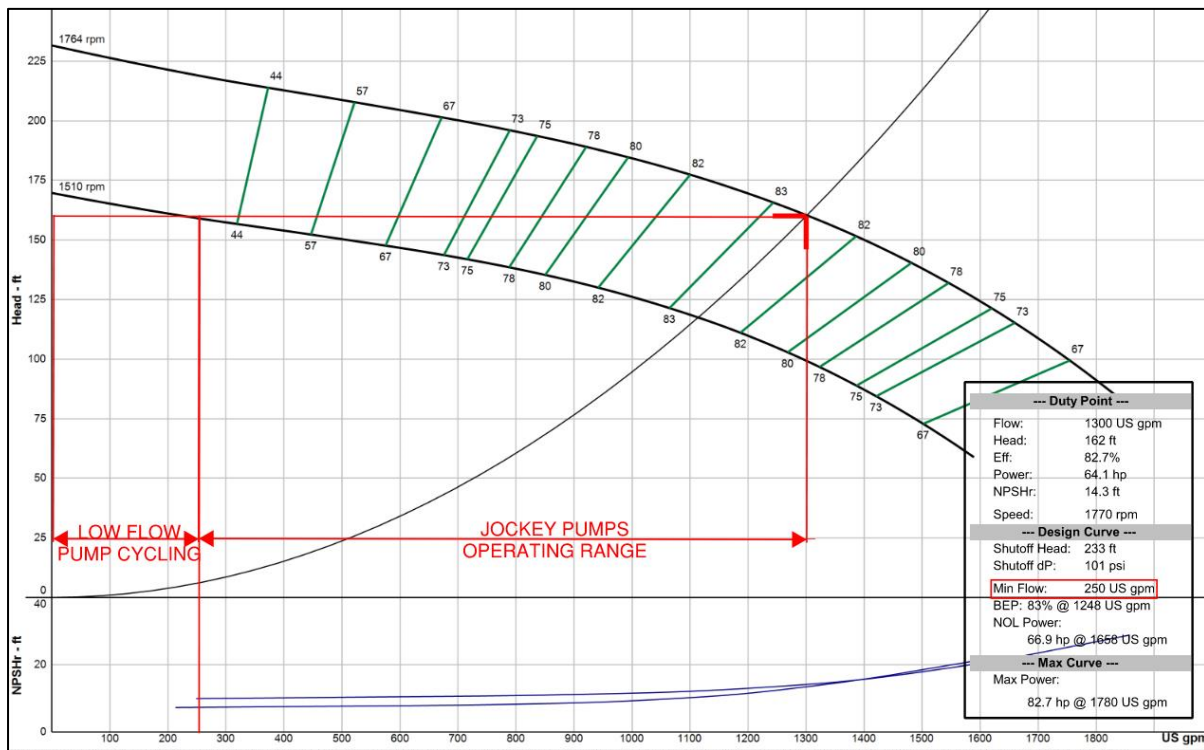


Figure 4-6. Reservoir 1 – Jockey Pump Operating Range



Figure 4-7 shows 3 duty pumps + 2 jockey pumps operating to meet flow demand in the event one of the duty pumps require service.

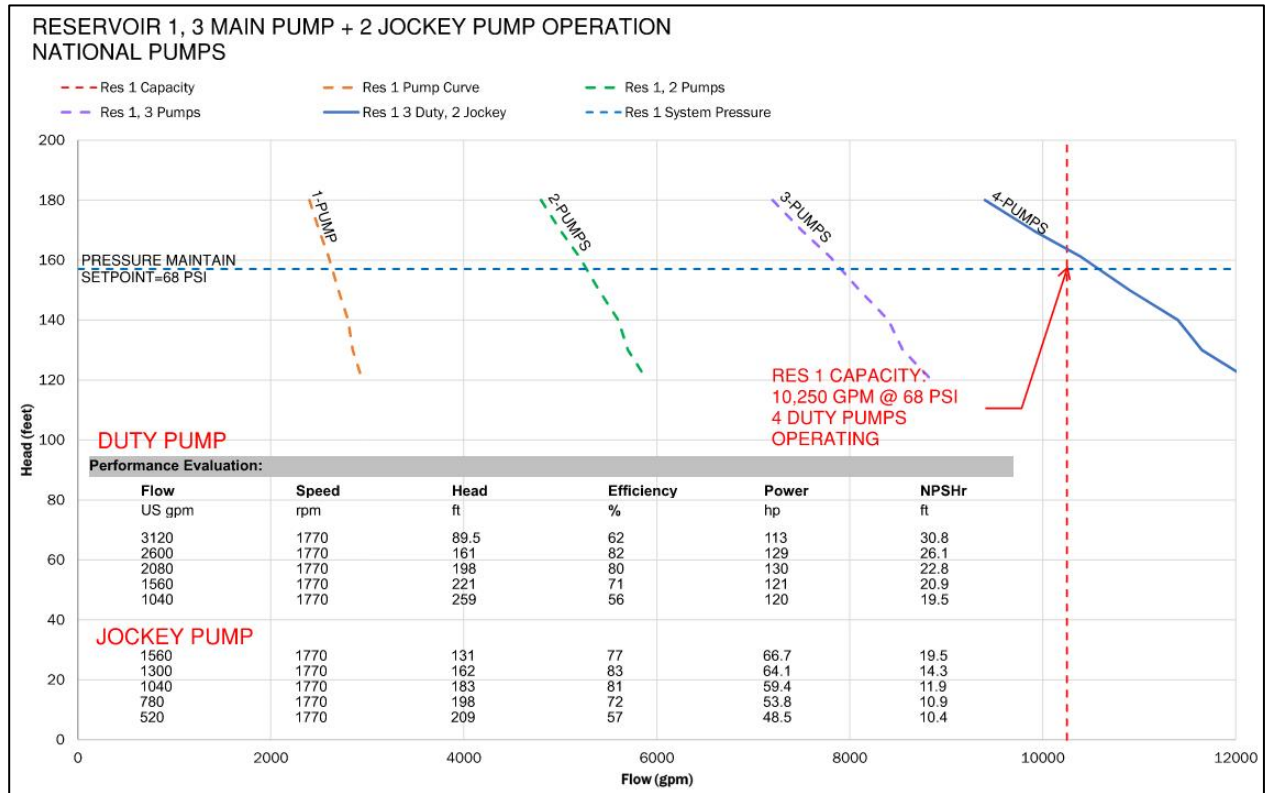


Figure 4-7. Reservoir 1 – 3 Duty + 2 Jockey Pump Operation

4.1.1.2 Reservoir 2 Pump Selection

Based on the PSOP, the system flow rate shall be designed to meet 15,000 gpm with an operating pressure range of 75 – 78 psi (173 - 180 ft). To comply with the HI 9.8 requirement, the velocity through the suction pipe shall be limited to less than 4 ft/s. Refer to Table 4-3 for calculation of maximum flow rates each type of pump can accommodate.

Table 4-3. Reservoir 2 Maximum Flow Rate Calculation

	Main Pump	Jockey Pump	Description
D _s (in)	24	16	D _s = suction diameter
A _s (ft ²)	3.1	1.4	A _s = cross sectional area of pipe
V _{max} (ft/s)	4	4	V _{max} (Max Velocity) = 4 ft/s per HI 9.8
Q _{smax} (gpm)	5640	2507	Q _{smax} = Max suction flow per pump based on max velocity of 4 ft/s per HI 9.8

Table 4-4 shows the operating ranges for Reservoir 2. Selected pumps meet criteria based on compliance with the HI 9.8 requirement.



Table 4-4. Reservoir 2 Pump Selection Criteria							
	R2 Main Pump 1	R2 Main Pump 2	R2 Main Pump 3	R2 Main Pump 4	R2 Jockey Pump 1	R2 Jockey Pump 2	Total System Flow
Max Flow Rate (gpm)	3750	3750	3750	3750	3750	3750	
Min Flow Rate (gpm)	1875	1875	1875	1875	850	850	
At Max Capacity	On	On	On	Sequenced	Off	Off	15,000 gpm
At Min Flow	Off	Off	Off	Off	On	Sequenced	850 gpm
TDH (ft)	180	180	180	180	180	180	

The proposed pump arrangement as shown on Figure 4-8 allows for an N+1 configuration where the two (2) jockey pumps will be assigned as the +1 standby pumps to meet the flow demand. Refer to Figure 4-11 which shows two jockey pumps operating in place of one duty pump.

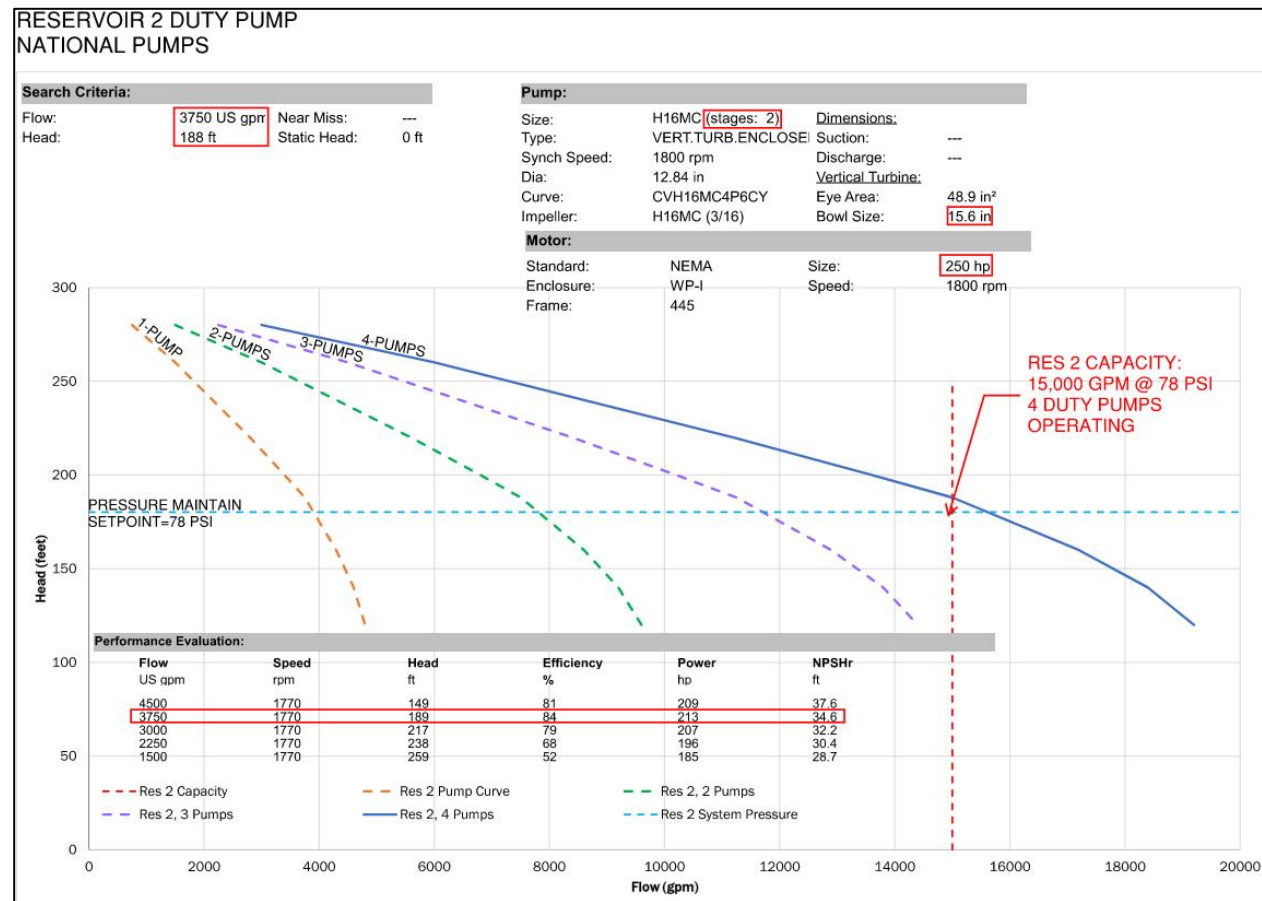


Figure 4-8. Reservoir 2 – Duty Pump Operation



Figure 4-9 shows the operating range of a single duty pump turned down to 1,565 rpm producing a minimum flow of 1,875 gpm. Flows lower than 1,875 gpm would be handled by one (1) jockey pump.

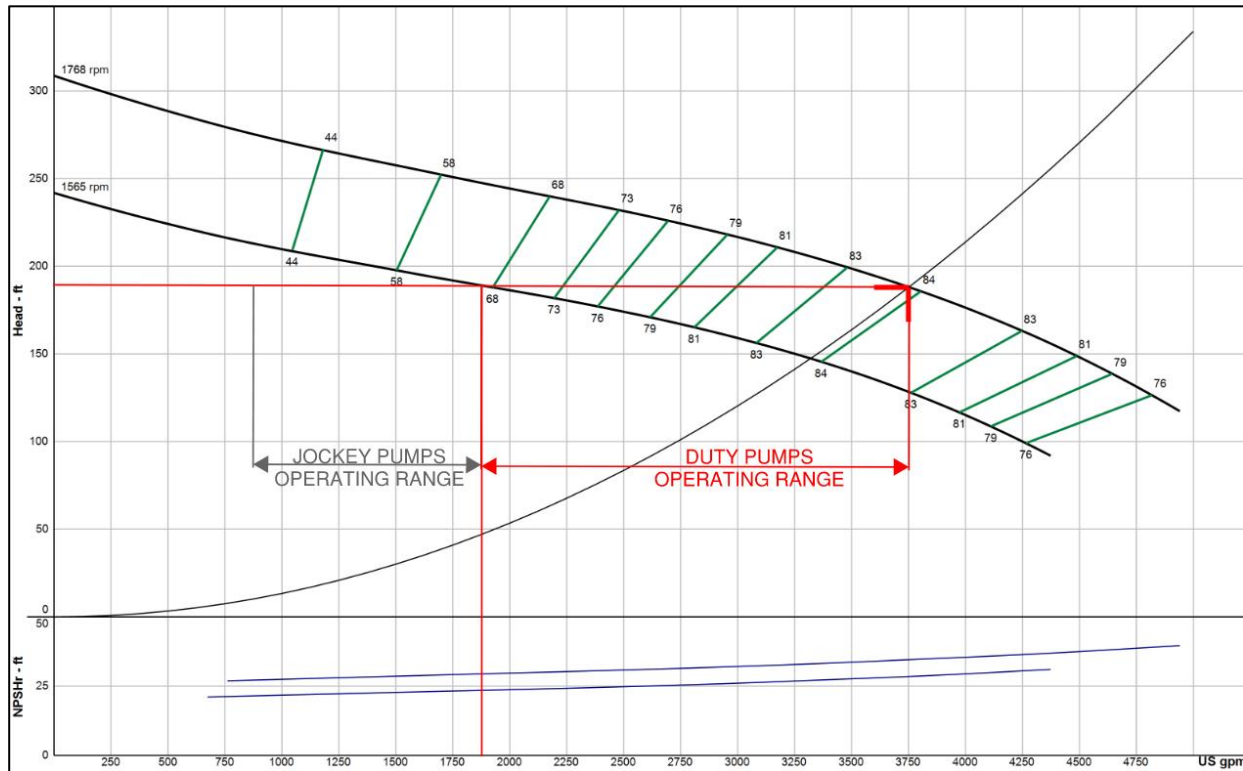


Figure 4-9. Reservoir 2 – Duty Pump Operating Range

Figure 4-10 shows the operating range of a single jockey pump turned down to 1,555 rpm producing a minimum flow of 850 gpm. . At 850 gpm, the Reservoir 2 pump station can operate approximately 80% of time without cycling (reference Table 3-2).

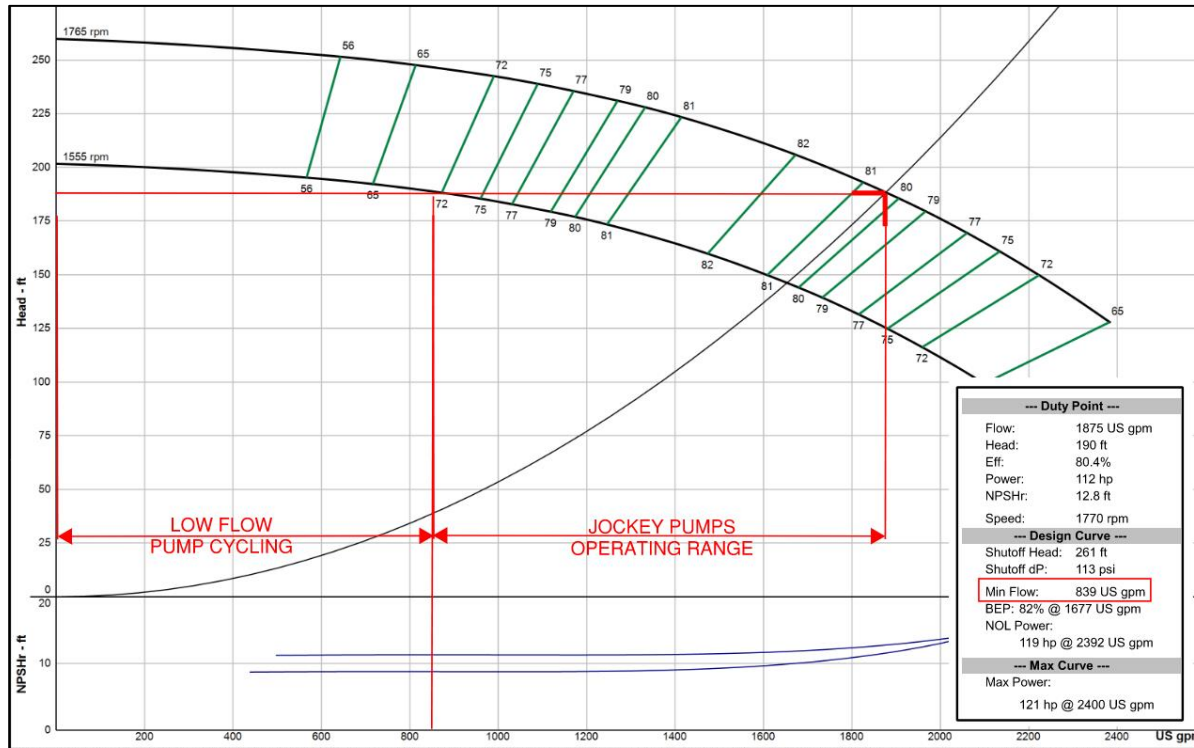


Figure 4-10. Reservoir 2 - Jockey Pump Operating Range

Figure 4-11 shows 3 duty pumps + 2 jockey pumps operating to meet flow demand in the event one of the duty pumps were to become offline.

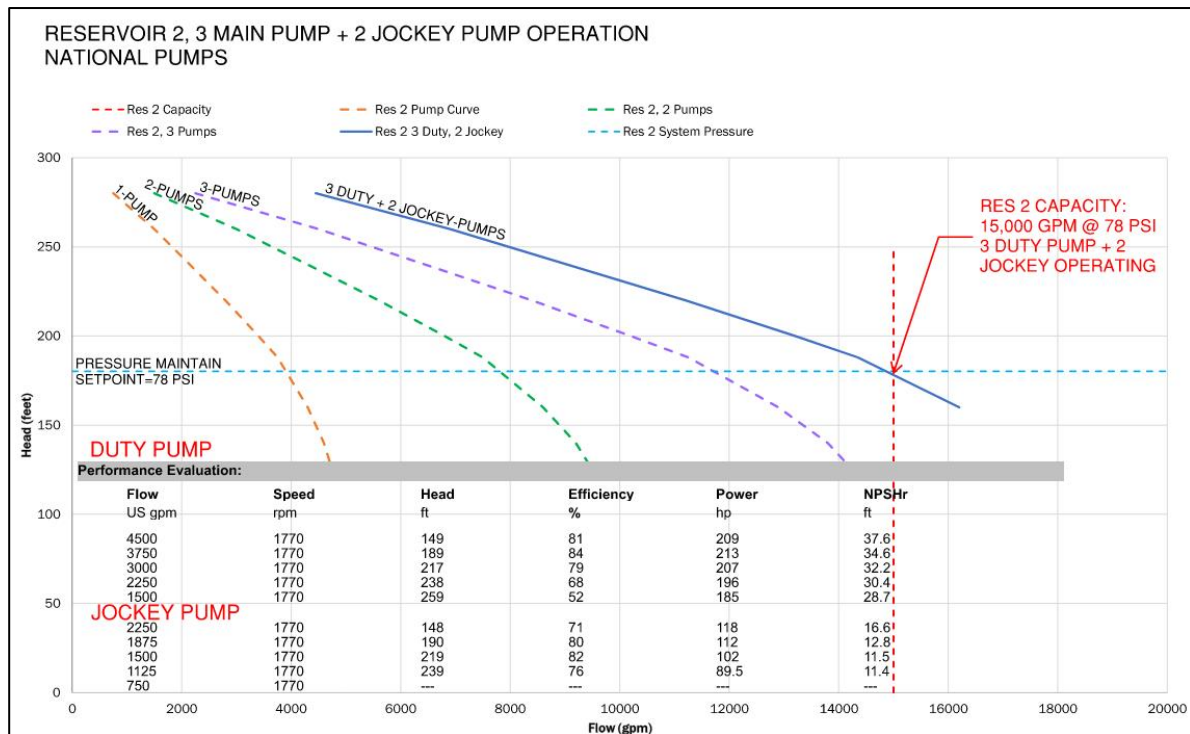


Figure 4-11. Reservoir 2 - 3 Duty + 2 Jockey Pump Operation



4.1.1.3 Additional Pump Selection Criteria

1. Suction Bowl Size

- a. Per Figure 4-5, HI 9.8 recommends the velocity through the barrel to be less than 5 ft/s, which will restrict the size of bowls that can be selected due to the existing can sizes. Refer to the following Table 4-5 for calculation of maximum bowl size.

Table 4-5. Maximum Suction Bowl Size					
	R1 Main Pump	R1 Jockey Pump	R2 Main Pump	R2 Jockey Pump	Description
Q (gpm)	2600	1300	5000	2400	Q = Flow rate
Can ID (in)	21.25	19.25	34.38	22.5	Can ID = Interior Diameter of Pump Barrel
V _{max} (ft/s)	5	5	5	5	V _{max} (Max Velocity) = 5 ft/s per HI 9.8
Bd (in)	13.45	15.34	25.71	16.01	Bd = Max suction bowl diameter

2. Net Positive Suction Head (Available) (NPSHa)

- a. Refer to Table 4-6 for available net positive suction head (NPSH) at each reservoir based on the maximum and minimum height of water documented in the PSOP.

Table 4-6. Reservoir NPSHa vs. NPSHr			
	Reservoir 1	Reservoir 2	Description
h _{atm} (ft)	33.9	33.9	h _{atm} = Atmospheric head
h _{elev, max} (ft)	35.7	26.6	h _{elev, max} = High water level in reservoir
h _{elev, min} (ft)	15.7	11.6	h _{elev, min} = Low water level in reservoir
NPSHa, max (ft)	69.6	60.5	NPSHa, max = Max NSPH (available) based on high water level in reservoir
NPSHa, min (ft)	49.6	45.5	NPSHa, min = Min NSPH (available) based on high water level in reservoir
NPSHr, (ft)	26.1	34.6	NPSHr = NPSH (required) at design point based on National Pump Data

4.1.2 Mechanical Devices

With the removal of the existing gas-powered vertical turbine pumps, additional mechanical devices can be demolished and/or replaced with new devices for each pump station. All gas-engine associated devices (e.g., muffler, heat exchanger, battery system, engine generator, etc.) will be demolished.

All reservoir pump discharge piping and associated appurtenances (e.g., pressure gage with air-vac valve, check valve, water meter, gate valves, etc.) shall be replaced. New pressure relief valves on the pump discharge headers will be replaced as well.



A surge analysis will be conducted to evaluate potential vacuum pressures resulting during a power outage. This analysis will also make recommendations for additional surge mitigating equipment to add to the pump stations. This analysis will be performed during the Final Design phase.

4.2 Electrical

4.2.1 Reservoir 1 Power

Reservoir 1 is fed by two (2) SCE power feeds. The first is a 600A, 480V feed providing power to the Administration and Operations Buildings. This feed will remain as is.

The second is a 400A, 480V feed providing power to the Pump House. The existing service transformer and switchboard will need to be replaced with larger ampacity to accommodate the new electric-driven pumps. Figure 4-12 shows a single line of how this would be configured.

Drawing E-01-100 in Appendix H shows the electrical site plan at Reservoir 1.

Reservoir 1 also have two (2) 150kW indoor generators providing standby power to the Administration and Operations Buildings only. These two (2) generators will be demolished and replaced with a larger, outdoor 1,250kW generator that will power both the Administration and Operations Buildings and the new electric-driven pumps at the Pump House. New standby generator(s) shall be provided with active diesel particulate filter to meet emission requirements of South Coast Air Quality Management District (AQMD).

In lieu of one larger generator, dual smaller generators in parallel would increase reliability and provide some redundancy. This option will be evaluated in detail design.

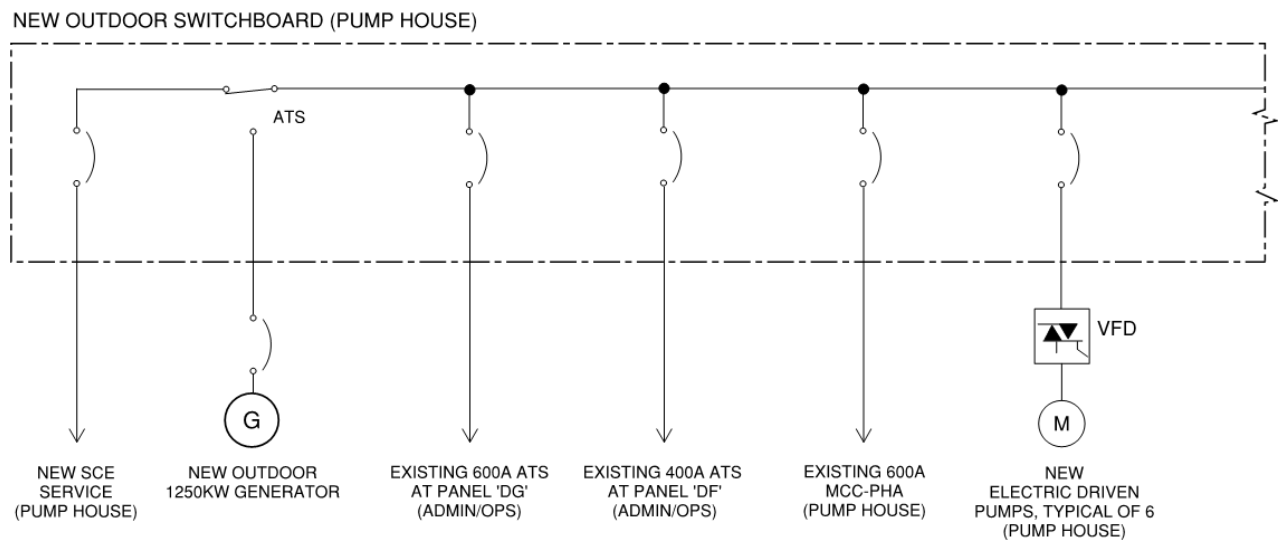


Figure 4-7. New Single Line Diagram – Reservoir 1

4.2.2 Reservoir 2 Power

Reservoir 2 is fed by an SCE 600A, 480V power feed. The existing service transformer and switchboard will need to be replaced with larger ampacity to accommodate the new electric-driven pumps. Figure 4-13 shows a single line of how this would be configured.

Reservoir 2 also has a 100A standby generator. This generator will be demolished and replaced with a larger, outdoor 1,100kW generator that will power the existing loads and the new electric-driven

pumps. New standby generator(s) shall be provided with active diesel particulate filter to meet emission requirements of AQMD.

In lieu of one larger generator, dual smaller generators in parallel would increase reliability and provide some redundancy. This option will be evaluated in detail design.

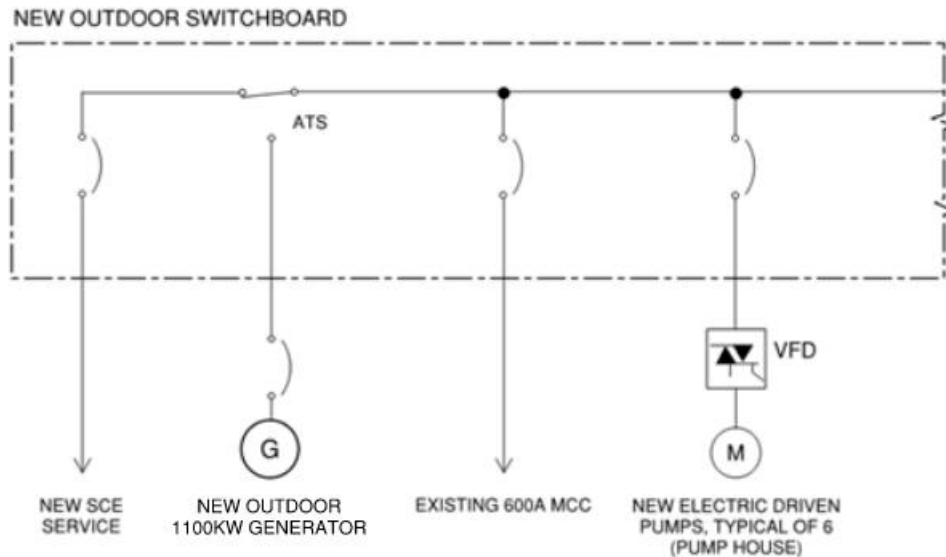


Figure 4-8. New Single Line Diagram – Reservoir 2

Detailed load calculation and generator sizing for both Reservoirs are provided in Appendix E.

4.2.3 Switchboard

Low voltage (600V) 1,600 A (minimum) switchboard, per UL 891 and 1066, will have the following functions and features:

- Floor standing, dead front, sides and rear shall have removable bolt-on covers.
- Service switchboard shall be provided with pull sections, main breaker, and metering requirements of SCE.
- NEMA 3R non-walk-in outdoor enclosure.
- Distribution switchboard shall be provided with individually-mounted insulated case breaker with the following features/settings:
 - 100-percent rated
 - Long delay protection (long delay pickup, long delay time)
 - Short delay protection (short delay pickup, short delay time)
 - Instantaneous protection
 - Ground fault protection (ground fault pickup, ground fault delay)
 - Maintenance mode selection (engage/disengage instantaneous tripping for arc flash safety)
 - Microprocessor-based power monitoring with Ethernet port
 - Surge protective device with display

4.2.4 Variable-Frequency Drives (VFD)

Similar type VFDs will be from the same manufacturer and will have the following functions and features:

- Six (6) pulses for all VFDs feeding motors less than 75 HP.
- Active front end (AFE) harmonic mitigation VFD for all motors 75 HP or greater.
- Three (3) percent line reactors and load reactors in each drive will be provided.
- Ethernet communication port for communicating with SCADA system.
- NEMA 12 for indoor-conditioned locations. NEMA 4X for un-conditioned or outdoor locations.

4.3 Instrumentation and Controls

This section defines the approach for designing the Instrumentation and Controls system and SCADA communications for the Reservoirs 1 and 2 Pump Stations.

4.3.1 Reservoir Pump Stations

The Mesa Water SCADA system utilizes Allen-Bradley PLC's for controlling its facilities and Wonderware for supervisory control and data acquisition. The communication between the facilities is provided by several types of Ethernet radios. The Reservoir upgrades will use new Allen-Bradley PLC's and connect to the existing Wonderware application using the existing radio network.

4.3.1.1 Reservoir 1

A new local control panel (LCP) will be provided at Reservoir 1 to control the four (4) duty pumps, two (2) jockey pumps, and ancillary equipment. The LCP will house the PLC and an operator interface terminal (OIT) panel for local control of the pump station. The new PLC will share data with the existing chemical dosing system to treat the water leaving the pump station. The LCP will include a managed switch for interfacing with the existing radio network.

4.3.1.2 Reservoir 2

A new LCP will be provided at Reservoir 2 to control the four (4) duty pumps, two (2) jockey pumps, and ancillary equipment. The LCP will house the PLC and an OIT for local control of the pump station. The new PLC will share data with the existing chemical dosing system to treat the water leaving the pump station. The LCP will include a managed switch for interfacing with the existing radio network.

4.3.2 Programmable Logic Controllers (PLC)

Programmable logic controllers (PLCs) will be sole-sourced through Allen-Bradley to match the manufacturer of the existing PLC's and allow for native communications with the existing chemical dosing systems. The PLC's will have redundant Allen-Bradley ControlLogix 5580 controllers (1756-L8x) to provide high availability. The input/output (I/O) rack will be ControlLogix racks.

The PLC I/O racks that are in the same cabinet as the processor racks (Main Cabinet) will be connected to by a dedicated device level ring (DLR). The OIT, VFDs, and I/O racks that reside outside of the Main Cabinet will be connected in a star topology to a dedicated switch or switches to allow the individual devices to be powered down for maintenance without impacting the I/O network.

4.3.3 Operator Interface Terminals (OIT)

Operator interface terminals (OITs) will be provided for each PLC. The OIT will allow for local operation of the pump station in the case of a network outage or when required.

4.3.4 Existing Wonderware Application

The new pump station systems and chemical dosing systems will be integrated into the existing Wonderware application.

4.3.5 Uninterruptible Power Supply (UPS) System

An uninterruptible power supply (UPS) will be installed in each of the pump station PLC panels to keep the PLC and communications equipment, and critical instrumentation powered up during a utility power failure until standby power becomes available. The UPS will be sized for 20 minutes of backup power at full-rated load.

4.3.6 Instrument Tagging

Instrument tagging will be per a modified BC standard. The instrument tagging is AAAA-ISAD-LOOP-MM, where:

- AAAA is the facility designation.
- ISAD is the ISA functional identifier.
- LOOP is the 4-digit loop identifier (with leading zeros).
- MM is the loop modifier for like instruments in the same loop.

4.3.7 Alarming

Process alarms will be annunciated on the OIT and the existing Wonderware application.

4.4 Civil

Using criteria established when developing the “Headquarters Yard Site Master Plan” Technical Memorandum, a site layout for the construction of new facilities at each site was developed. Depending on each site, the degree of modifications required to implement the design varies slightly. Some issues considered when developing the site plans at both Reservoir sites include:

- Site access by chemical delivery trucks will be limited to pulling in and out since none of the sites are large enough for chemical trucks to loop around. Fill stations will be placed in an optimal location based on input from the chemical suppliers.
- Identify available space for proposed/upgraded facilities at both sites.
- Evaluate the use of available space at both sites.
- Provide Mesa Water with background information including design and footprint on proposed slurry dewatering pit (for the Reservoir 1 Site), standby power backup generators and chemical management facilities (for both sites).
- A potable water connection to the distribution system will be required for Chemical Facility fire sprinklers, safety showers, and ammonia scrubber tank. This connection will be required to utilize a backflow preventer assembly to isolate these systems from the potable water supply. The connection must always be pressurized.
- Establish locations for Geotechnical borings at each site.
- New yard piping and electrical duct banks will be required, which will require site trenching and asphalt paving repair.

4.4.1 Reservoir 1 Site Development

A technical memorandum was developed (included in Appendix D), and a workshop was held on June 24, 2021, to discuss three (3) alternatives for the proposed site plan at Reservoir 1. Mesa Water selected the recommended Alternative No. 3 with modification to the location of the new Chemical Facility which will be located beneath the Heavy Equipment Port as shown on Figure 4-12.

4.4.1.1 Available Real Estate

The selected alternative for the Reservoir 1 site considered the availability of real estate and the least amount of impact to the current operations at the site. Mesa Water will be removing the existing backup propane tank at each site under this project which would make that space available for siting a new facility.

At Reservoir 1, the selected layout will require relocating the existing storage located within the Heavy Equipment Port elsewhere. The selected alternative also analyzed the possible constraints such as restricted turning radii for the large dump truck and excavator trailer that are operated by Mesa Water staff to haul the dried spoils from the Reservoir 1 site to a local landfill.

4.4.1.2 O&M Access and Tractor-Trailer Accessibility

The recommended alternative considered the access to and around the facilities once construction is completed. Brown and Caldwell (BC) performed a truck turn analysis simulating a tractor-trailer with a total length of 52 ft for the selected alternative at Reservoir 1 and performed a truck turn analysis simulating a chemical delivery truck. The selected alternative had the least impact to the space available to access the existing facilities and required the least amount of work to relocate existing storage material and/or parking reconfiguration and reassignment.

4.4.1.2.1 Chemical Management Facility

The chemical management facility requires providing space to accommodate for a chemical delivery truck to pull up near the facility and be able to refill the aqueous ammonia and sodium hypochlorite tanks. Currently, Mesa Water has chemical feed pumps within the existing pump station at each site which Operations and Maintenance (O&M) staff had indicated to be difficult to access for maintenance activities. Construction of the new chemical management facility will enable better accessibility and improve overall plant operations.

At Reservoir 1, the selected layout places the chemical management facility within the Heavy Equipment Port. With the recent direction to locate the new generator west of the chemical management facility, it is possible that the existing metal roof may require modification or even removal by which the proposed canopy sheltering the chemical facility may still be required. Further evaluation will be performed during final design.

4.4.1.2.2 3-Bay Slurry Dewatering Pit

Construction of the 3-Bay Slurry Dewatering Pit requires demolition of the existing dewatering pit and temporary management, storage, and dewatering of spoil piles during demolition/construction. As mentioned in the June 2021 “Excavation Slurry Dewatering Pit Evaluation” (included in Appendix F), the 3-Bay configuration will be encroaching on the space just south of the existing dewatering pit. Yard piping will connect the drainage system to the storm drain nearby.

Operators can access the slurry dewatering pit easily with mechanical equipment for direct filling and emptying. This facility requires accommodations for the large dump truck and trailer to pull up next to the facility, turn out and leave the site after having the spoils loaded onto the bed for hauling to the local landfill.

4.4.1.2.3 Standby Power Backup Generator

The proposed 1,250 kW standby-power backup generator at the Reservoir 1 site requires space for fire truck access. According to the California Fire Code (CFC 503.2.4), the inside turning radius required for an emergency vehicle access road shall be 17 ft or greater, and the outside turning radius shall be 38 ft or greater. The selected layout also considered refueling and maintenance access of the proposed generator.

4.4.1.3 Residential Impacts

Reservoir 1 is located adjacent to a residential neighborhood. The selection of the site layout evaluated the potential impacts to nearby residents. Although the generators will incorporate a sound-attenuating enclosure, potential for noises produced during operation may exceed the City of Costa Mesa noise ordinance requirements for standby generators. Vibrations during operations may also propagate into residential properties if located too close to the west property line at the Reservoir 1 site.

An existing concrete wall between the site and the residential neighborhood would provide a sound barrier and reduce the noise levels produced during operations. The proposed generator would also be fitted with vibration isolation footings on the generator frame to further minimize noise and vibrations to the adjacent residential area.

4.4.1.4 Proposed Reservoir 1 Site Plan

The proposed site plan for Reservoir 1 is shown in Figure 4-14. Site demolition includes demolition of the existing dewatering pit and propane tank along the west wall of the site. This site plan includes the installation of a single generator and the new Chemical Facility underneath the existing Heavy Equipment Port, and the 3-Bay Slurry Dewatering Pit over the existing footprint of the dewatering pit. As mentioned previously, further analysis of modifications to the existing metal roof of the Heavy Equipment Port will be performed during final design.

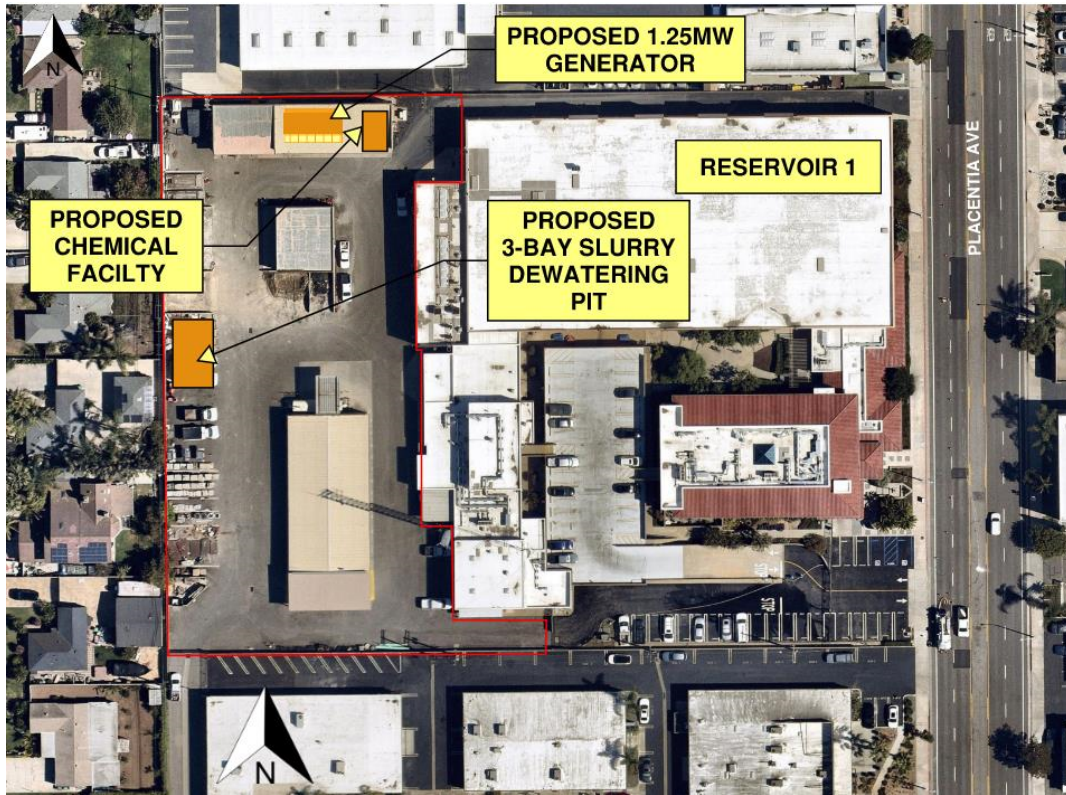


Figure 4-9. Proposed Reservoir 1 Site Plan

4.4.1.5 Facilities to be Sited

7 summarizes the proposed facilities and space requirements at Reservoir 1.

Table 4-7. Proposed Facilities and Footprints		
Facility	Footprint	
1,250kW Standby Power Backup Generator ¹	20'L x 32'W	640 SQ FT
Chemical Management Facility	26'L x 14'W	364 SQ FT
3-Bay Slurry Dewatering Pit	40'L x 26'W	1,040 SQ FT

¹ Footprint dimensions include a 5-foot-wide platform, 24-hr belly fuel tank and sound enclosures.

4.4.2 Reservoir 2 Site Development

Brown and Caldwell (BC) prepared a site plan exhibit for Mesa Water’s review and approval showing the locations of the proposed 1,100 kW generator and Chemical Facility. The proposed site plan was accepted by Mesa Water. The accepted site plan for Reservoir 2 is shown in Figure 4-15.

4.4.2.1 Standby Power Backup Generator

Siting of the proposed 1,100 kW emergency-power backup generator at the Reservoir 2 site considered space requirements for refueling and maintenance access as well as ingress and egress within the Reservoir site yard.



4.4.2.2 Chemical Management Facility

The chemical management facility requires providing space to accommodate for a chemical delivery truck to pull up near the facility and be able to refill the aqueous ammonia and sodium hypochlorite tanks. The O&M tasks for this facility include ability to fill and drain the chemical storage tanks, sampling, and access to chemical pumps for regular maintenance activities. Construction of the new chemical management facility will enable better accessibility and improve overall plant operations.

At the Reservoir 2 site, a canopy to shelter the equipment and containment area will be required. Minor site grading to situate the containment area on level ground will also be required.

4.4.2.3 Residential Impacts

Reservoir 2 is located adjacent to residential neighborhood. The selection of the site layout evaluated the potential impacts to nearby residents. Although the generators will incorporate a sound-attenuating enclosure, potential for noises produced during operation may exceed the City of Costa Mesa noise ordinance requirements for emergency generators. Vibrations during operations may also propagate into residential properties if located too close to the west property line at the Reservoir 2 site.

An existing concrete wall between the site and the residential neighborhood would provide a sound barrier and reduce the noise levels produced during operations. The proposed generator would also be fitted with vibration isolation footings on the generator frame to further minimize noise and vibrations to the adjacent residential area.

4.4.2.4 Proposed Reservoir 2 Site Plan

The proposed site plan for Reservoir 2 is shown in Figure 4-15. Site demolition includes demolition of the existing drainage swale, subsurface drainage piping and catch basin, and propane tank. This site plan includes the installation of a single 1,100 kW generator and the new Chemical Facility.

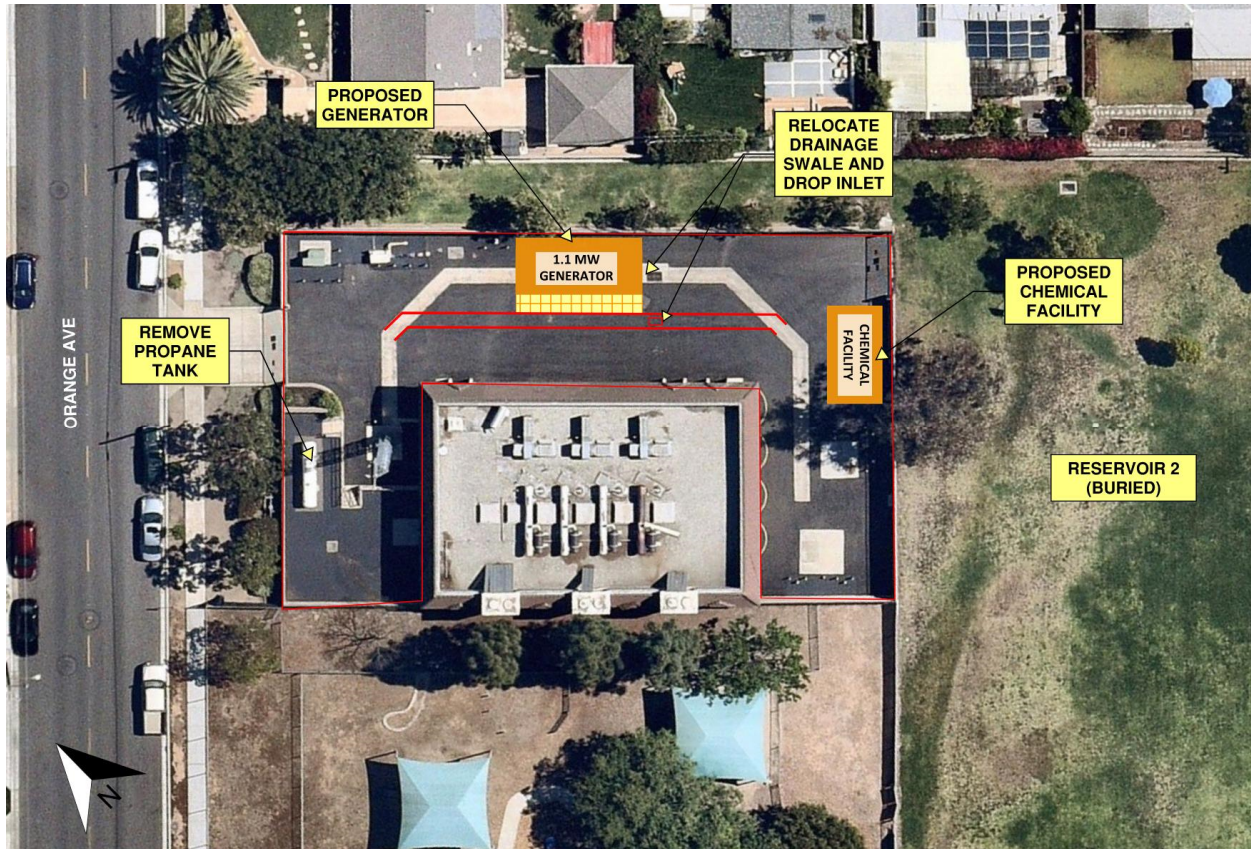


Figure 4-10. Reservoir 2 Proposed Facilities

4.4.2.5 Facilities to be Sited

8 summarizes the proposed facilities based on previous evaluations and input from Mesa Water.

Table 4-8. Proposed Facilities and Footprints		
Facility	Footprint	
1,100kW Standby Power Backup Generator ¹	32'L x 20'W	640 SQ FT
Chemical Management Facility	28'L x 18'W	504 SQ FT

¹ Footprint dimensions include a 5-foot-wide platform 24-hr belly fuel tank and sound enclosures.

Section 5

Preliminary Construction Cost Estimate

The cost estimates presented in this report represent a Class 3 budget estimate as defined by the American Association of Cost Engineering (AACE) International. It is based on preliminary quantity takeoffs for the facility outlined in this document. Capital costs were developed using the following:

- Equipment quotes for major components.
- Quantity takeoffs and unit costs from BC's cost estimating group.
- Percentage multipliers for site/civil, electrical, instrumentation, and mechanical portions of the project, based on recent bid projects of similar scope.

Based on these criteria, the Reservoirs 1 and 2 Upgrades project is estimated to cost Mesa Water as follows:

Table 5-1. Estimated Project Costs			
Facility	Upper Range +30%	Estimated Cost	Lower Range -20%
Reservoir 1	\$10,400,000	\$8,000,000	\$6,400,000
Reservoir 2	\$12,890,000	\$8,370,000	\$6,700,000
TOTAL	\$23,290,000	\$16,370,000	\$13,100,000

A detailed breakdown of the Class 3 budget is included in Appendix A.

Section 6

Permitting

A comprehensive evaluation of the required permitting involved in this project has been performed and separate Permit Plan which describes the requirements from each permitting entity has been created and is included in Appendix D. Table 6-1 includes a summary of the various permitting agencies BC has contacted.

Table 6-1. Applicable Permits			
Permit	Authority	Contact Name	Contact Phone/E-mail
Operating Permit	California State Water Resources Control Board Division of Drinking Water (DDW)	Jim Jablonski ^(a)	(714) 558-1852 James.Jablonski@waterboards.ca.gov
Fire (Building and Chemical Storage)	Costa Mesa Fire	Arnold Antonio	(714) 754-5138 Arnold.Antonio@costamesaca.gov
Storm Drain	City of Costa Mesa Flood Control	Juan Santos	(714) 327-7475 juan.santos@costamesaca.gov
Air Discharge	SCAQMD	General Permitting Line ^(b)	(909) 396-2900
Sewer Connection	OC San	Adrian Siew	(714) 593-7164 asiew@ocsan.gov
Hydro Turbine Demolition	Federal Energy Regulatory Commission	Frank Blackett Vincent Vigil	Frank.Blackett@ferc.gov Vincent.Vigil@ferc.gov
Building ^(c)	Costa Mesa		
SWPPP ^(d)	Costa Mesa		
Hauling ^(e)	Costa Mesa		

Notes:

- a. Mesa Water will be primary contact.
- b. An engineer will be assigned once the permit application has been received.
- c. Mesa Water will keep the City informed of the project, but a plan check will not be required.
- d. Stormwater Pollution Prevention Plan, responsibility of the General Contractor.
- e. Responsibility of the General Contractor.

Section 7

Preliminary List of Drawings and Specifications

A list of anticipated drawings that will be used for this project is presented below.

7.1 List of Preliminary Drawings

General Drawings

- 1 Cover Sheet
- 2 Sheet Index
- 3 General Legends & Abbreviations
- 4 Overall Site Plans
- 5 Process Flow Schematic

Civil Drawings

- 6 Civil Typical Details - 1
- 7 Civil Typical Details - 2
- 8 Reservoir 1 - Yard Piping Plan
- 9 Reservoir 2 - Yard Piping Plan
- 10 Yard Piping - Section and Details - 1
- 11 Yard Piping - Section and Details - 2
- 12 Reservoir 1 – Horizontal Control, Paving, and Grading Plan
- 13 Reservoir 2 – Horizontal Control, Paving, and Grading Plan

Demolition Drawings

- 14 Reservoir 1 Slurry Pit Demolition Plan
- 15 Reservoir 1 Pump and Piping Demolition Plan
- 16 Reservoir 1 Gas Engine Demolition Plan and Sections
- 17 Reservoir 1 Piping Demolition Plan
- 18 Reservoir 1 Chemical Systems Demolition
- 19 Reservoir 1 Electrical Demolition Plan and Details
- 20 Reservoir 1 Roof Silencer Demolition Plan and Details
- 21 Reservoir 2 Gas Engine Demolition Plan and Sequence
- 22 Reservoir 2 Pump Demolition Plan and Sequence
- 23 Reservoir 2 Piping Demolition Plan

- 24 Reservoir 2 Chemical Systems Demolition
- 25 Reservoir 2 Electrical Demolition Plan and Details
- 26 Reservoir 2 Roof Silencer Demolition Plan and Details

Structural Drawings

- 27 General Structural Notes - 1
- 28 General Structural Notes - 2
- 29 Reservoir 1 Slurry Pit Foundation/Bottom Plan
- 30 Reservoir 1 Slurry Pit Sections and Details
- 31 Typical Structural Details - 1
- 32 Typical Structural Details - 2
- 33 Reservoir 1 Generator Pad Plans and Sections
- 34 Reservoir 2 Generator Pad Plans and Sections
- 35 Reservoir 1 and 2 SCE PME Structure Details

Mechanical Drawings

- 36 Reservoir 1 Pumps Plans and Sections - 1
- 37 Reservoir 1 Pumps Plans and Sections - 2
- 38 Reservoir 2 Pumps Plans and Sections - 1
- 39 Reservoir 2 Pumps Plans and Sections - 2
- 40 Reservoir 1 Slurry Pit Pump Plan and Sections
- 41 Mechanical Typical Details - 1
- 42 Mechanical Typical Details - 2
- 43 Mechanical Typical Details - 3

Electrical Drawings

- 44 Legends
- 45 Abbreviations
- 46 Reservoir 1 Single Line Diagram
- 47 Reservoir 1 Equipment Elevations
- 48 Reservoir 1 Panel Schedule
- 49 Reservoir 1 ATS Elevations and Details
- 50 Reservoir 1 SES and Switchgear Elevations and Details
- 51 Reservoir 1 Site Plan
- 52 Reservoir 1 Yard Ductbanks Plan and Sections
- 53 Reservoir 1 Grounding Plan
- 54 Reservoir 1 Switchboard and RTU Monitoring
- 55 Reservoir 1 Pump Room Electrical Site Plan - 1
- 56 Reservoir 1 Pump Room Electrical Site Plan - 2



- 57 Reservoir 2 Pump Room Electrical Site Plan - 1
- 58 Reservoir 2 Pump Room Electrical Site Plan - 2
- 59 Reservoir 2 Single Line Diagram
- 60 Reservoir 2 Equipment Elevations
- 61 Reservoir 2 Panel Schedule
- 62 Reservoir 2 ATS Elevations and Details
- 63 Reservoir 2 SES and Switchgear Elevations and Details
- 64 Reservoir 2 Site Plan
- 65 Reservoir 2 Yard Ductbanks Plan and Sections
- 66 Reservoir 2 Grounding Plan
- 67 Reservoir 2 Switchboard and RTU Monitoring
- 68 Reservoir 1 Slurry Pit Electrical Plan
- 69 Reservoir 1 Cable and Conduit Schedule
- 70 Reservoir 2 Cable and Conduit Schedule
- 71 Electrical Typical Details - 1
- 72 Electrical Typical Details - 2
- 73 Electrical Typical Details - 3
- 74 Electrical Typical Details - 4
- 75 Electrical Typical Details - 5

Instrumentation Drawings

- 76 Reservoir 1 Slurry Pit Sump Pump
- 77 Reservoir 1 Pump No. 1, 2, and 3
- 78 Reservoir 1 Pump No. 4 and 5
- 79 Reservoir 1 Standby Power
- 80 Reservoir 1 Pump No. 1, 2, and 3
- 81 Reservoir 1 Pump No. 4 and 5
- 82 Reservoir 2 Standby Power

Section 8

Limitations

This document was prepared solely for Mesa Water District in accordance with professional standards at the time the services were performed and in accordance with the contract between Mesa Water District and Brown and Caldwell dated September 7, 2021. This document is governed by the specific scope of work authorized by Mesa Water District; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by Mesa Water District and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.

This document sets forth the results of certain services performed by Brown and Caldwell with respect to the property or facilities described therein. Mesa Water District recognizes and acknowledges that these services were designed and performed within various limitations, including budget and time constraints. These services were not designed or intended to determine the existence and nature of all possible environmental risks (in which term shall include the presence or suspected or potential presence of any hazardous waste or hazardous substance, as defined under any applicable law or regulation, or any other actual or potential environmental problems or liabilities) affecting the Property. The nature of environmental risks is such that no amount of additional inspection and testing could determine as a matter of certainty that all environmental risks affecting the Property had been identified. Accordingly, THIS DOCUMENT DOES NOT PURPORT TO DESCRIBE ALL ENVIRONMENTAL RISKS AFFECTING THE PROPERTY, NOR WILL ANY ADDITIONAL TESTING OR INSPECTION RECOMMENDED OR OTHERWISE REFERRED TO IN THIS DOCUMENT NECESSARILY IDENTIFY ALL ENVIRONMENTAL RISKS AFFECTING THE PROPERTY.

Further, Brown and Caldwell makes no warranties, express or implied, with respect to this document, except for those, if any, contained in the agreement pursuant to which the document was prepared. All data, drawings, documents, or information contained this report have been prepared exclusively for the person or entity to whom it was addressed and may not be relied upon by any other person or entity without the prior written consent of Brown and Caldwell unless otherwise provided by the Agreement pursuant to which these services were provided.

Section 9

References

Construction of Reservoir No. 1 and Pumping Facilities

Mesa Water District, *June 1987*.

Construction Plans for Reservoir No. 2 and Pump Station MC914A

Barrett Consulting Group, Mesa Water District, *August 1992*.

Reservoir 1 & 2 Pumps, Controls, and Chemical System Assessment Project, Executive Summary

Hazen and Sawyer, Richard Brady and Associates, *December 2017*.

Production System Operations Plan

Mesa Water District, *January 2018*.

American National Standard for Rotodynamic Pumps for Pump Intake Design (HI 9.8)

Hydraulic Institute, *2018*.

Reservoir 1 & 2 Chemical Management System (Drawings)

Hazen and Sawyer, *June 2021*.

Excavation Slurry Dewatering Evaluation

Brown and Caldwell, *June 2021*.

Existing Pump Manufacturer Data Sheets

Appendix A: Preliminary Construction Cost Estimate

Appendix B: Pump Manufacturer Data Sheets



Appendix C: Final Headquarters Yard Master Plan TM

Appendix D: Permit Plan



Appendix E: Load Calculations and Generator Sizing

Appendix F: Excavation Slurry Dewatering Pit Evaluation

Appendix G: Chemical Feed System Drawings



Appendix H: 30% Drawings





*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Paul E. Shoenberger, P.E., General Manager
DATE: October 26, 2021
SUBJECT: Municipal Water District of Orange County Member-Agency
Facilitated Discussions/Stakeholder Interviews

RECOMMENDATION

This item is provided for discussion.

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

PRIOR BOARD ACTION/DISCUSSION

None.

DISCUSSION

In an effort to increase effective communication between Municipal Water District of Orange County (MWDOC) and their Member Agencies, MWDOC has implemented a program of facilitated discussions and interviews with two separate components of each Member Agency: the governing body and the utility management. The first phase of this project consists of the interviews which will include discussions of governance, policies, processes, roles and the relationship between MWDOC and its Member Agencies. These interviews will be summarized in a report but comments and positions will not be attributed to specific individuals or utilities. The information in this report will be the subject of discussion in the second phase of the project.

MWDOC is conducting stakeholder interviews with its 28 member agencies to give them an opportunity to share their views with MWDOC and the other member agencies regarding their future needs and expectations, as well as an assessment of past performance. The interviews will consist of two discussions, one with a governing decision-maker and one with the General Manager from each member agency. Broad topics and questions that will be discussed include the following; specific questions are included in Attachments B and C:

- Governance;
- Policies;
- Process;
- Roles and Responsibilities;
- Interagency Relationships; and
- Other.

MWDOC's Facilitator Paul Brown will conduct stakeholder interviews with President DePasquale and General Manager Shoenberger virtually on October 27, 2021.



FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: MWDOC Correspondence

Attachment B: Governance Interview Questions

Attachment C: Management Interview Questions

Attachment D: MWDOC Facilitated Discussion Project Background Information

Attachment E: Water Use Report Guide

Attachment F: Fiscal Year 2020 – 2021 Water Use Report – OCWD

Attachment G: Fiscal Year 2020 – 2021 Water Use Report – Mesa Water



September 14, 2021

The Honorable Marice Depasquale
President

Mesa Water
1965 Placentia Avenue
Costa Mesa, CA 92627

RE: MWDOC-Member Agency Facilitated Discussions – Interview Scheduling

Dear President Depasquale,

In an effort to increase effective communication between MWDOC and our Member Agencies, we have implemented a program of facilitated discussions and interviews with two separate components of each Member Agency: the governing body and the utility management. The first phase of this project consists of the interviews which will include discussions of governance, policies, processes, roles and the relationship between MWDOC and the Member Agencies. These interviews will be summarized in a report but comments and positions will not be attributed to specific individuals or utilities. The information in this report will be the subject of discussion in the second phase of the project.

The purpose of the dual interview format is to obtain separate input from the two perspectives for each utility. Each organization will select their own representative for the interviews. For the governance side, we would recommend the Mayor or a City Council person for the cities and the board President or Director for the districts. The intention will be to select the person with the best insights into MWDOC activities and relationships. The utility management representative will likely be the General Manager for the districts and the senior water or utility manager for the cities. The facilitator for the interviews will be Mr. Paul Brown. Paul has extensive experience in the water utility area, facilitation and has worked previously on projects with many of the Member Agencies. Each interview is expected to last approximately 45 minutes and will conclude with the opportunity for the Member Agency to address any issue they deem important. I will be available for the interviews but will only attend if the Member Agency so desires. The primary goal is effective and frank communication.

Scheduling and coordination of interviews will be with Ms. Tina Dubuque (tdubuque@mwdoc.com, o: (714) 593-5025), I would ask you to provide her with your two interview representatives as soon as possible. Background information on the interview topics and MWDOC will be provided to you prior to the interviews.

Thank you in advance for your active participation in this project. It is important that every Member Agency participate. Please don't hesitate to call if you have any questions or I can provide additional information. I can be reached at (714) 593-5006 or by email at rhunter@mwdoc.com.

Sincerely,

Robert J. Hunter
General Manager

Street Address:
18700 Ward Street
Fountain Valley, California 92708

Mailing Address:
P.O. Box 20895
Fountain Valley, CA 92728-0895

(714) 963-3058
Fax: (714) 964-9389
www.mwdoc.com

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General Manager

MEMBER AGENCIES

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
City of San Clemente
City of San Juan Capistrano
Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

Client: Municipal Water District of Orange County (MWDOC)

Project: Stakeholder Interviews

Interviewer: Paul Brown (assisted by Tina Dubuque)

Member Name: Mesa Water District

Representative: Marice DePasquale, President

Governance Management

Date: 10/27/2021

Introductory Remarks:

The purpose of this interview is to provide MWDOC's twenty-eight member agencies an opportunity to share their views with MWDOC and the other member agencies regarding their future needs and expectations, as well as an assessment of past performance. The interviews have been organized to include two separate discussions with a governing decision-maker and the general manager from each member agency. Broad topics and questions are presented below.

Topics and Questions:

1. **Governance:** MWDOC is governed by a seven-member Board of Directors. Each director is elected to a four-year term by Orange County voters who reside within one of the seven divisions in the MWDOC service area. At the same time, MWDOC's twenty-eight member agencies have their own individual priorities and needs. MWDOC also has responsibilities to consider the regional needs of southern California as a member agency of the Metropolitan Water District of Southern California (MWD).
 - a. How well does MWDOC balance the priorities of its member agencies with the broader regional needs of the service area as a whole?
 - b. Have you experienced conflicts between your agency's priorities and MWDOC's decisions and actions?
 - c. If so, what is the source of the conflict? How might it be resolved?

2. **Policies:** MWDOC has developed service rate and budget policies and procedures that strive to meet its revenue requirements for core mission services while avoiding charges for services that a member agency can provide for itself.

a. Has your agency found the recovery of both fixed rates and subscription (choice) charges a fair and practical way of addressing this issue?

b. What is your opinion regarding MWDOC's current reserves policy?

c. Are there other policies that you have found beneficial? Ineffective? Why?

3. **Process:** MWDOC is committed to transparency and accountability in government. This commitment entails providing publicly accessible, factual information to allow good and just governance, and to assist our stakeholders and members of the public in understanding how the district operates.

a. Is your experience consistent with MWDOC's commitment?

b. If not, can you suggest ways in which MWDOC's can improve its decision-making process and public transparency?

c. As a member agency, are you provided with the information, consultation, and communications needed to fully inform you throughout the decision-making process?

4. **Role and Responsibilities:** In addition to serving as the Metropolitan Water District member agency representing Orange County (except for the cities of Anaheim, Fullerton and Santa Ana), MWDOC fills many other roles. They include: regional water planning, water supply reliability and development, public information and outreach, water use efficiency, and emergency preparedness. These activities are provided as either core or subscription (choice) services.
- a. Has your member agency benefited from some or all these services?

 - b. Are there core services that your agency would not choose to receive if they were offered on a subscription basis? Explain?

 - c. Can you identify any MWDOC programs, projects, or activities that deserve either more attention or less attention?

 - d. Does MWDOC conduct an open and transparent process to discuss projects and proposals and making project decisions.
5. **Interagency Relationships:** MWDOC serves as the home for the county liaison for water emergency response (WEROC).
- a. Are you aware of this county-wide role?

 - b. If so, does your member agency see the benefit of this relationship?

 - c. If not, why?

6. **Other:** Are there any other topics or issues that you think should be addressed in this review?

Client: Municipal Water District of Orange County (MWDOC)

Project: Stakeholder Interviews

Interviewer: Paul Brown (assisted by Tina Dubuque)

Member Name: Mesa Water District

Representative: Paul Shoenberger, GM

Governance Management

Date: 10/27/2021

Introductory Remarks:

The purpose of this interview is to provide MWDOC's twenty-eight member agencies an opportunity to share their views with MWDOC and the other member agencies regarding their future needs and expectations, as well as an assessment of past performance. The interviews have been organized to include two separate discussions with a governing decision-maker and the general manager from each member agency. Broad topics and questions are presented below.

Topics and Questions:

1. **Governance:** MWDOC is governed by a seven-member Board of Directors. Each director is elected to a four-year term by Orange County voters who reside within one of the seven divisions in the MWDOC service area. At the same time, MWDOC's twenty-eight member agencies have their own individual priorities and needs. MWDOC also has responsibilities to consider the regional needs of southern California as a member agency of the Metropolitan Water District of Southern California (MWD).
 - a. How well does MWDOC balance the priorities of its member agencies with the broader regional needs of the service area as a whole?
 - b. Have you experienced conflicts between your agency's priorities and MWDOC's decisions and actions?
 - c. If so, what is the source of the conflict? How might it be resolved?

2. **Policies:** MWDOC has developed service rate and budget policies and procedures that strive to meet its revenue requirements for core mission services while avoiding charges for services that a member agency can provide for itself.

a. Has your agency found the recovery of both fixed rates and subscription (choice) charges a fair and practical way of addressing this issue?

b. What is your opinion regarding MWDOC's current reserves policy?

c. Are there other policies that you have found beneficial? Ineffective? Why?

3. **Process:** MWDOC is committed to transparency and accountability in government. This commitment entails providing publicly accessible, factual information to allow good and just governance, and to assist our stakeholders and members of the public in understanding how the district operates.

a. Is your experience consistent with MWDOC's commitment?

b. If not, can you suggest ways in which MWDOC's can improve its decision-making process and public transparency?

c. As a member agency, are you provided with the information, consultation, and communications needed to fully inform you throughout the decision-making process?

4. **Role and Responsibilities:** In addition to serving as the Metropolitan Water District member agency representing Orange County (except for the cities of Anaheim, Fullerton and Santa Ana), MWDOC fills many other roles. They include: regional water planning, water supply reliability and development, public information and outreach, water use efficiency, and emergency preparedness. These activities are provided as either core or subscription (choice) services.
- a. Has your member agency benefited from some or all these services?

 - b. Are there core services that your agency would not choose to receive if they were offered on a subscription basis? Explain?

 - c. Can you identify any MWDOC programs, projects, or activities that deserve either more attention or less attention?

 - d. Does MWDOC conduct an open and transparent process to discuss projects and proposals and making project decisions.
5. **Interagency Relationships:** MWDOC serves as the home for the county liaison for water emergency response (WEROC).
- a. Are you aware of this county-wide role?

 - b. If so, does your member agency see the benefit of this relationship?

 - c. If not, why?

6. **Other:** Are there any other topics or issues that you think should be addressed in this review?

MWDOC FACILITATED DISCUSSION PROJECT BACKGROUND INFORMATION

The MWDOC Facilitated Discussion Project is intended to increase communication between the governing bodies and staff of MWDOC's member agencies and MWDOC. The objective is to utilize facilitated interviews and discussions to identify and analyze pertinent issues and reach consensus. These issues may include areas where processes, roles and responsibilities are functioning smoothly as well as areas that could be improved. The first phase of the project consists of paired, facilitated interviews with each member agency; including one interview with a representative of the governing body and one interview with management for the utility. The interviews are planned to be 45-60 minute in length and will include the opportunity for each member agency to raise any issue of interest. The results of these interviews will be compiled in a summary report which will not identify specific comments with specific individuals or utilities. The first phase report will be the subject of phase 2 discussions. If further actions are identified in phase 2, a phase 3 may be implemented to reach consensus agreement.

MWDOC MISSION STATEMENT

**To provide reliable, high-quality supplies
from MWD and other sources
to meet present and future needs,
at an equitable and economic cost,
and to promote water use efficiency
for all of Orange County**

MWDOC was formed in 1951 as an independent, special district and has manifested different expressions of its basic mission of water reliability over seven decades. MWDOC was originally organized to provide imported water and develop transmission pipelines for water distribution to all portions of Orange County not served by the existing four Orange County member agencies of the Metropolitan Water District of Southern California (MWD). MWDOC developed and operated the Allen-McCulloch Pipeline from 1979 to 1995 when the pipeline was sold to MWD. MWDOC consolidated with the Coastal Municipal Water District in 2001 and currently provides imported MWD water from the Colorado River and the State Water Project to all of Orange County outside of the "Three Cities" (Anaheim, Fullerton, & Santa Ana). Today, MWDOC serves more than 2.4 million Orange County residents through 28 member agencies. MWDOC

works collaboratively with its member agencies, MWD, and other partners to establish water supply reliability through the management, expansion and diversification of regional and Orange County water supply portfolios. In this role, MWDOC provides leadership and facilitates the integrated planning for water resources, water demand management, the development of imported water service, rates and charges, and the sponsorship of statewide water policy that supports regional reliability.

Functionally, MWDOC's operations are organized around the following functions and departments:

- Metropolitan (MWD) Issues & Water Policy
- Water Reliability Planning & Engineering
- Water Use Efficiency (WUE), Water Loss Programs & Policy
- Communication/Public Affairs
- Government Affairs & Legislation
- Administration
- Finance & Information Technology
- Water Emergency Response (WEROC)

MWDOC Governance

MWDOC was formed under the Municipal Water District Act of 1911. Under the Act, MWDOC is generally authorized to provide water services within a defined geographic area. The Act also establishes the governing board, outlines election requirements and identifies the range and limits of a special district's functions.

MWDOC is governed by an elected seven-member Board of Directors, with each board member representing a specific geographic area of Orange County. The Directors are elected to a four-year term by the voters who reside within their respective MWDOC divisions. Redistricting of the divisions is currently underway based on the 2021 census data. In addition to the leadership of the Board of Directors, the governance includes three standing committees that provide review and direction to the Board through monthly meetings on (1) Planning and Operations, (2) Administration and Finance, and (3) the Executive Committee. Two board meetings are held per month. One of the board meetings is dedicated to a workshop with MWDOC-MWD directors and is designed to facilitate interaction on MWD issues with the member agencies. Various other public meetings are held throughout the year.

MWDOC MWD Directors

Since 1951 the number of MWD directors from MWDOC has ranged from one to six and is currently at four directors. The current board policy as reflected in the MWDOC administrative code calls for two MWDOC Directors to serve as MWD directors and for the appointment of two external MWD Directors who are not MWDOC Directors. The current code outlines a nomination for the two external directors by member agencies based on a north and south Orange County designation. MWDOC MWD directors do not have a term of office but serve at the will of the MWDOC board. MWDOC voting share at MWD is based on the property tax valuations for the MWDOC service area (currently 17%).

MWDOC Rates and Revenue

For decades MWDOC operated on two revenue streams. Member agencies were charged at cost for the volume of imported water they purchased and operational expenses were covered through ad valorem taxes. Through state legislative action, MWDOC lost taxing ability and adopted a revenue model consisting of a direct payment for water purchases and two rate components for operating expenses. The first was a variable rate component based on a markup on the volume of water purchased by a member agency and the second was a fixed component based on the number or retail water meters in the member agency's system. Under the settlement agreement (below) these last two rate components were migrated over a five-year period to eliminate the variable rate. This agreement presented some legal challenges under Prop 26 which were resolved through a water rate study and board approval of a new rate structure in 2016. At that time the fixed rate component was expanded to include both the retail meter rate and a groundwater customer rate for OCWD. This rate structure was updated in 2021 with a new rate study, member agency participation and MWDOC board action.

For FY 2021-22 the purchase price of imported water is treated as a pass-through, and core operating expenses are funded by a Retail Meter Service Charge of \$13.00 per meter and a Groundwater Customer Charge of \$335,385.

MWDOC Budget & Reserves

MWDOC conducts a transparent and protracted annual budget process to facilitate public and member agency participation. The budget schedule is designed to accommodate the budget and rate schedules of our Member Agencies. Under this schedule, the Year-End Projections and Conceptual Budget are discussed at the January Administration & Finance (A&F) Committee, the first draft budget is presented at the February A&F Committee meeting, the second draft budget at the March A&F Committee meeting and the third draft budget at the April A&F Committee meeting. All meetings are public and draft budget documents are available prior to the meetings. In addition, the draft budgets are discussed at monthly meetings with MWDOC member agency managers and an Elected Officials meeting is held in April. The final budget is normally approved by the MWDOC Board of Directors at the April board meeting.

The budget is functionally divided into three components. For FY 2021-22 the total budget is approximately \$185 million with water purchase expenses of approximately \$174 million. The operating budget is split between a Core budget of approximately \$9 million and the Choice, elective participation budget of approximately \$1.6 million.

The Core budget is intended to include functions and operations that apply to a broad component of the member agencies and those expenses are covered by the annual rates. The Choice budget is for optional, subscription services that apply to a subset of the member agencies. Programs currently under the Choice budget include all or portions of Water Use Efficiency, the Water Loss Control Program, and four grade-specific School Education Programs.

MWDOC reserves were readjusted in the settlement agreement and then modified by the MWDOC board based on the recommendations of contracted financial review in 2017 of utility best practices. The reserve targets in the FY 2021-22 budget are:

	# Days Cash	FY 2021-22 Reserve Target
General Operations	90-180	\$ 3,727,775
Grant & Project Cash Flow		1,500,000
Building Reserve	10-15	435,648
Election Reserve	N/A	362,000
OPEB Reserve est. 9/2018	N/A	297,147
TOTALS		\$ 6,322,570

2011 Settlement Agreement

During MWDOC’s early decades there was minimal public or member agency involvement with the Board of Directors. This changed significantly with the planning and discussions for the Allen-McCulloch Pipeline and the change from an ad valorem tax revenue base for operations. While there have been a number of “facilitated discussion” type projects over the years, perhaps the most significant resulted in the 2011 Settlement Agreement between MWDOC and the member agencies. The agreement expired in 2016 but modified a number of processes, policies and relationships that continue through today. Specific topics addressed in the settlement agreement include:

- Communication and interaction between elected officials
- MWDOC operating rate structure
- Modification of the annual budget into Core and Choice components
- Changes to the budget review process
- Establishment of reserve targets and policy

In general, communication and interaction between MWDOC and the member agencies has significantly improved over the last ten years. There are multiple opportunities for the public and member agencies to provide input to MWDOC activities including the annual budget and rate process and there is generally positive feedback on the quality

and content of MWDOC services and Choice programs. However, MWDOC is not always successful in being able to balance its regional role and responsibilities with the local interests of 28 member agencies. This conflict manifests itself in periodic concerns or disagreements on policies, processes and roles. Recently, some of these issues have focused on projects proposed by MWDOC in the annual budget and whether the member agencies believe they represent the proper “role of MWDOC”. It is the goal of Facilitated Discussion Project to identify and discuss those areas that are working well, those that can be improved, and perhaps those that cannot be resolved.

WATER USE REPORT GUIDE

The Water Use Report summarizes water supply and water use information for your utility. This guide utilizes the report for the Municipal Water District of Orange County (MWDOC) as the example to explain the graphs, tables and definitions used in the report (attached). The Water Use Report for your utility may not have all the supply categories listed in this example and you may need to look at more than one guide to have a complete picture for your service area. For example, if you pump groundwater in the Orange County Water District (OCWD) service area, then a full summary would include the report for your utility as well as that for OCWD. The example MWDOC pages have been grouped into six different areas and topics with definitions and descriptions for each area.

AREA #1: SYSTEM INFORMATION

This area includes some basic information on your utility system and peak water use.

- **Service Population** - This is the population in the utility's service area where the utility provides water service to its customers. In some cases, the number of retail water connections is included.
- **Metropolitan Imported Connections** - A Metropolitan Water District of Southern California (MWD) connection is the control device that delivers untreated or treated imported water to a water agency. The MWDOC example summarizes the total number of connections in the MWDOC service area by type. For the individual utilities, the specific connections are identified.
- **2021 Capacity Charge Flows (CFS)** - The Metropolitan water rate structure includes a Capacity Charge that is designed to recover the costs incurred to provide peak capacity within the distribution system (maximum, daily flows). The Capacity Charge also provides a price signal to encourage agencies to reduce peak demands and shift water demands out of the summer months. The charge is based on the three-year summer peak (May to September) imported water flow, measured as cubic feet per second, to a wholesale or retail water agency. Data is presented for the three previous years with the maximum flow identified.

AREA #2: 2020-2021 SOURCES OF WATER

This area summarizes the utility's prior year's total water supply use and provides a general overview of the sources utilized that year. In some cases, water supply sources can vary significantly from year to year. The pie chart represents the data for Fiscal Year (FY) 2020-21 (June-July). There are a large number of water supply sources and no single agency will utilize all the sources.

- **MWD Imported Water**- This is water that is delivered to Orange County from MWD via the California State Water Project (Northern California) or the Colorado River Aqueduct (Colorado River Basin).
- **Groundwater**- Water pumped from the ground and used for irrigation or treated for direct municipal or industrial use.
- **Local Groundwater**- Water that is pumped from a small, local groundwater aquifer and used for irrigation or treated for direct municipal or industrial use.
- **OCWD Groundwater Pumped**- Water that is pumped from the large confined aquifer that underlies northern and central Orange County. OCWD is the wholesale water agency that coordinates pumping in that groundwater basin. This water is used for irrigation or treated for direct municipal or industrial use.
- **OCWD Groundwater for GAP**- This non-potable groundwater is pumped by OCWD and distributed to the Green Acres Project (GAP), a recycled water distribution system in central Orange County.

- **Cal Domestic Groundwater**- Groundwater that is pumped out of the Main San Gabriel Basin (Los Angeles County) and is transported to Northern Orange County retail water agencies by California Domestic Water Company.
- **Total Groundwater Pumped**- The combined total amount of water produced from all ground water sources.
- **GWRS**- Advance treated wastewater that is treated by the OCWD Groundwater Replenishment System (GWRS) and is distributed for groundwater recharge and seawater barrier purposes (in-direct water usage).
- **Recycled Water**- Treated wastewater that is used for non-potable (not for drinking water purposes) irrigation purposes (direct water usage).
- **Surface Water**- A combination of untreated imported water and native (natural) water in Irvine Lake used for irrigation or treated for direct municipal or industrial use.
- **Baker**- Water from a water treatment plant that treats either untreated MWD Colorado River water or surface water from Irvine Lake.

AREA #3: COMPARATIVE MONTHLY WATER USE: FY2020-21 vs. FY2019-20 (Acre-Feet)

Area #3 provides information on the utility's water use by month and by source for a two fiscal year period. The tables below the graph detail specific monthly volumes by source category with the annual for monthly water use expressed as a percent below the table. Water demand and supply sources can vary significantly month-to-month and year-to-year. Water use is normally greater during the summer months. Some utilities may utilize additional water sources to meet summer peak flows. The data is presented in units of Acre-Feet (AF). One AF is equivalent to 325,851 gallons, the volume of water when a one-acre area is covered to a one-foot depth. For conceptual comparisons, one acre is approximately the size of a football field.

AREA #4: 10-YEAR TOTAL WATER USE BY SOURCE (Acre-Feet)

A longer-term view of the utility's total water use is presented in Area #4. The graph and table present the water use by year and by source as well as the 10-year average. This illustrates any change in the total amount of annual water use over the decade as well as the variation and trends in the relative volumes of different water sources. In the MWDOC service area example, total water use in any given year can be impacted by a number of factors including precipitation, voluntary or mandatory drought actions, groundwater production, and single member agency imported water purchase volumes. For example, OCWD's annual purchases for the 10-year period ranged from zero to 66,133 AF. Some utilities have had significant changes in water use by source in recent years driven by PFAS responses or the development of new local recycled water sources.

AREA #5: WATER USE TRENDS – 10 YEAR TOTAL WATER USE & TOTAL RAINFALL

Area #5 combines the annual total water use information from Area #4 with total annual rainfall for Orange County. Typically, months with significant total rainfall tend to concur with a converse reduction in monthly total water use. However, this trend can be offset by regional MWD programs which make additional water volumes available for groundwater storage programs during times of excess supply.

AREA #6: WATER USE TRENDS – 10-YEAR POPULATION & GALLONS PER CAPITA DAY

A significant water use statistic in regulation by the State Water Resources Control Board is the "per capita use" calculation or Gallons Per Capita Day of water use (GPCD). Two ten-year trends are summarized in Area #6: GPCD by year and by Population. In the MWDOC service area the population has increased by approximately 5.4% (black line) while the per capita water use has decreased by 10.5% (green bars).

Municipal Water District of Orange County (Service Area)



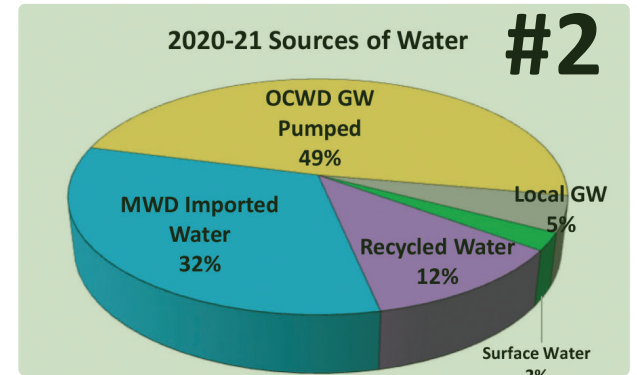
Municipal Water District of Orange County
 18700 Ward St, Fountain Valley, CA 92708
 Contact: Rob Hunter, General Manager
 Office: (714) 963-3058
 Email: rhunter@mwdoc.com

#1

Service Population
2,358,811

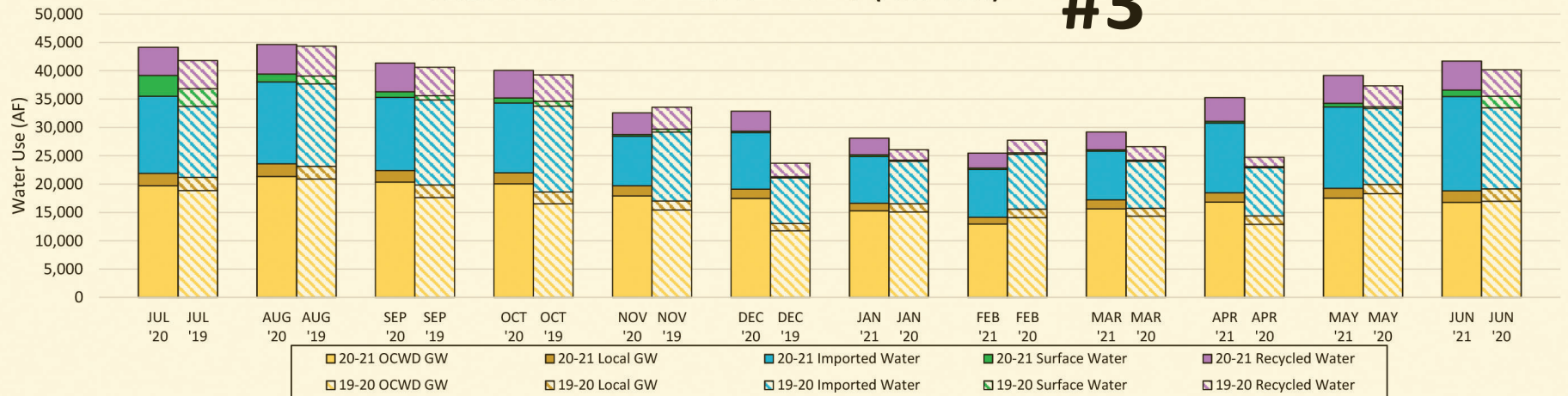
Metropolitan Imported Connections
 Untreated = 8 Connections
 Treated = 74 Connections
 Multiple Agencies = 15 Connections

2021 Capacity Charge Flows (CFS)
 2018 = 442.3 2019 = 263.2 2020 = 272.2
 Max = **442.3**



Water Use: FY 2020-21 Vs. FY 2019-20 (Acre-Feet)

#3



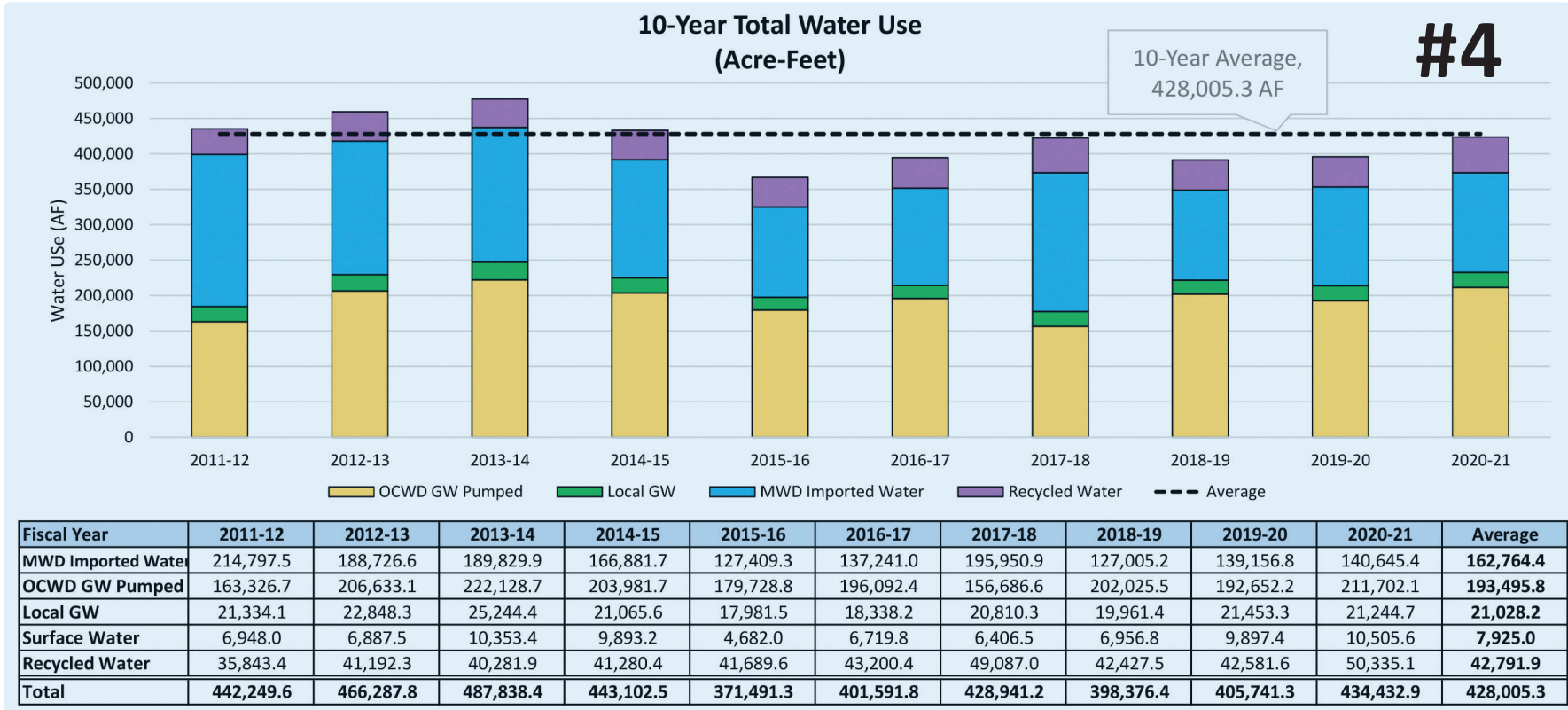
FY 2020-21 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	13,618.9	14,458.6	12,911.3	12,323.3	8,774.8	9,987.5	8,252.2	8,444.1	8,571.7	12,333.7	14,327.7	16,641.5	140,645.4
OCWD GW Pumped	19,694.6	21,319.5	20,319.7	20,054.8	17,923.5	17,451.5	15,284.0	12,931.8	15,639.0	16,812.1	17,520.3	16,751.2	211,702.1
Local GW	2,189.2	2,235.5	2,053.9	1,900.2	1,761.1	1,626.4	1,310.1	1,178.0	1,594.3	1,628.4	1,729.8	2,037.8	21,244.7
Surface Water	3,643.8	1,388.2	1,020.5	890.7	299.6	283.7	291.6	291.9	261.6	289.3	691.2	1,153.6	10,505.6
Recycled Water	4,994.0	5,246.5	5,034.2	4,867.6	3,822.3	3,500.1	2,956.2	2,609.4	3,137.0	4,178.6	4,881.6	5,107.7	50,335.1
Total	44,140.5	44,648.4	41,339.6	40,036.5	32,581.3	32,849.2	28,094.2	25,455.2	29,203.7	35,242.1	39,150.6	41,691.7	434,432.9

FY 2019-20 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	12,527.1	14,546.6	15,018.7	15,166.7	12,198.9	8,023.9	7,511.9	9,686.4	8,299.9	8,474.3	13,391.7	14,310.7	139,156.8
OCWD GW Pumped	18,869.6	20,862.7	17,612.4	16,500.7	15,419.4	11,748.8	15,056.8	14,061.3	14,315.5	12,902.4	18,325.1	16,977.7	192,652.2
Local GW	2,306.4	2,269.6	2,226.4	2,106.9	1,581.7	1,313.7	1,455.2	1,513.8	1,418.9	1,481.3	1,631.0	2,148.4	21,453.3
Surface Water	3,104.0	1,363.3	747.1	812.6	459.1	221.4	186.7	241.3	190.6	191.4	309.6	2,070.3	9,897.4
Recycled Water	4,981.0	5,295.8	4,983.4	4,681.1	3,893.6	2,363.6	1,841.6	2,237.7	2,368.4	1,648.4	3,645.4	4,641.5	42,581.6
Total	41,788.1	44,338.0	40,588.0	39,268.1	33,552.8	23,671.4	26,052.1	27,740.5	26,593.1	24,697.8	37,302.7	40,148.7	405,741.3

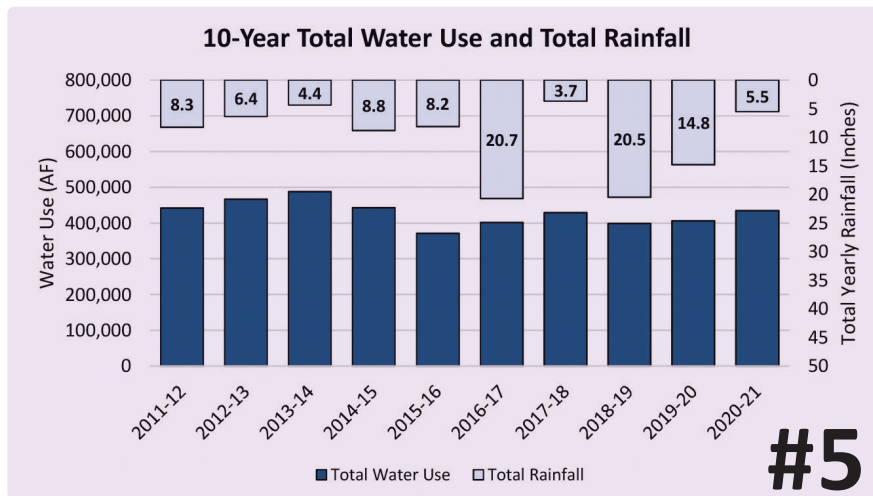
FY 20-21 Vs. FY 19-20 +6% +1% +2% +2% -3% +39% +8% -8% +10% +43% +5% +4% +7%

Note: +/- percentages above denote more/less total water used in FY 2020-21 compared to FY 2019-20

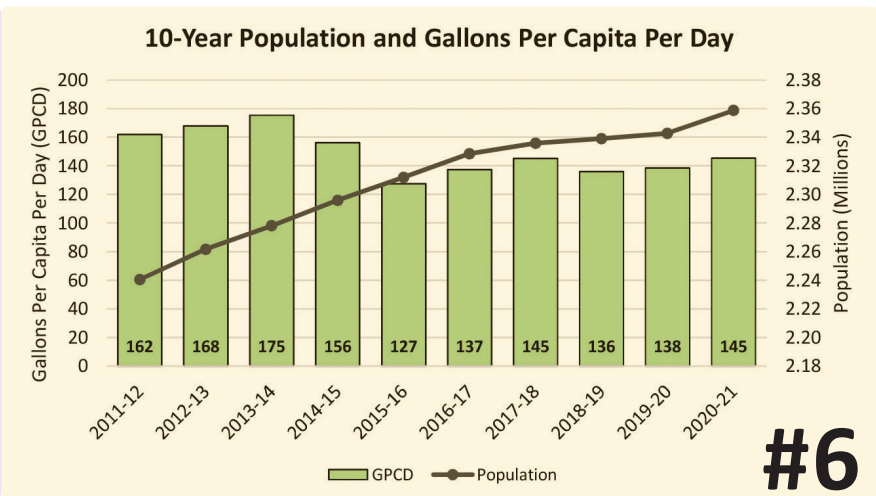
Municipal Water District of Orange County (Service Area)



Water Use Trends



Note: Rainfall data from OC Public Works SNA #121 Station



GPCD = Total Potable Production / Population / Days in the year

Orange County Water District



Orange County Water District

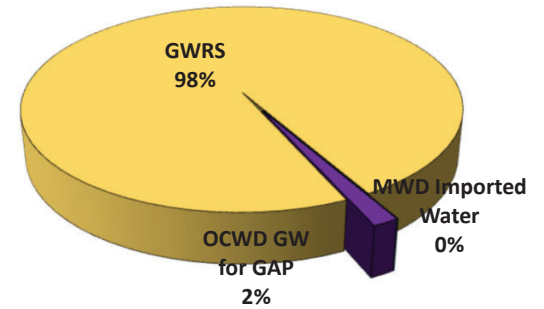
18700 Ward Street, Fountain Valley, CA 92708
 Contact: Mike Markus, General Manager
 Office: (714) 378-3200
 Email: mmarkus@ocwd.com

Service Population
 2,559,646

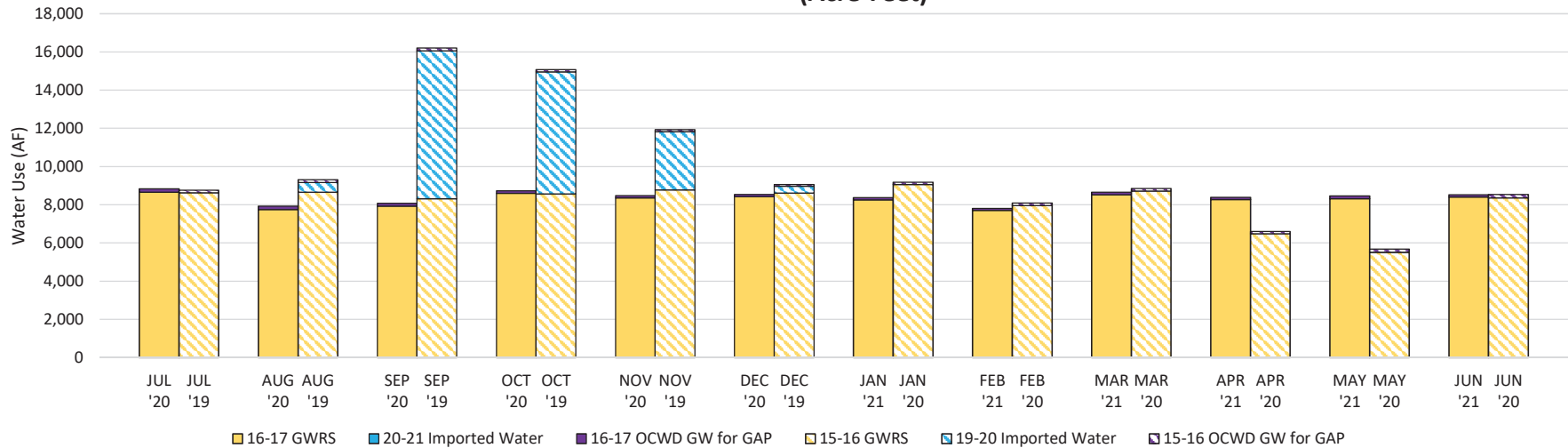
Metropolitan Imported Connections
 OC-11 OC-28 OC-28A OC-44AS OC-59

2021 Capacity Charge Flows (CFS)
 2018 = 146.4 2019 = 0.0 2020 = 0.0
 Max = 146.4

2020-21 Sources of Water



Water Production: FY 2020-21 Vs. FY 2019-20 (Acre-Feet)



FY 2020-21 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OCWD GW for GAP	180.0	174.0	150.9	123.6	117.8	113.3	114.7	112.0	127.5	131.6	144.1	116.2	1,605.7
GWRS	8,647.0	7,744.0	7,927.0	8,599.0	8,357.0	8,417.0	8,258.0	7,694.0	8,521.0	8,261.0	8,311.0	8,405.0	99,141.0
Total	8,827.0	7,918.0	8,077.9	8,722.6	8,474.8	8,530.3	8,372.7	7,806.0	8,648.5	8,392.6	8,455.1	8,521.2	100,746.7

FY 2019-20 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	0.0	504.2	7,740.6	6,380.7	3,055.1	344.2	0.0	0.0	0.0	0.0	2.0	0.0	18,026.8
OCWD GW for GAP	141.0	147.2	137.6	129.7	103.9	96.1	115.0	126.0	124.6	118.1	166.7	177.1	1,583.1
GWRS	8,620.0	8,657.0	8,317.0	8,566.0	8,775.0	8,616.0	9,055.0	7,956.0	8,720.0	6,487.0	5,512.0	8,353.0	97,634.0
Total	8,761.0	9,308.4	16,195.2	15,076.4	11,934.0	9,056.3	9,170.0	8,082.0	8,844.6	6,605.1	5,680.7	8,530.1	117,243.8

FY 20-21 Vs. FY 19-20 +1% -15% -50% -42% -29% -6% -9% -3% -2% +27% +49% -0% -14%

Note: +/- percentages above denote more/less total water used in FY 2020-21 compared to FY 2019-20

Production data does not take into account CPTP or CUP

Orange County Water District

10-Year Total Water Production (Acre-Feet)



Fiscal Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Average
MWD Imported Water	41,231.1	24,359.8	50,703.7	58,633.0	45,124.9	50,482.3	66,133.3	40,365.0	18,026.8	0.0	39,506.0
OCWD GW for GAP	344.1	821.2	702.5	0.0	114.8	156.9	203.9	1,827.2	1,583.1	1,605.7	735.9
GWRS	71,678.3	72,876.7	66,167.1	76,546.1	100,347.1	94,081.2	103,990.3	93,398.9	97,634.0	99,141.0	87,586.1
Total	113,253.6	98,057.7	117,573.3	135,179.1	145,586.8	144,720.4	170,327.5	135,591.1	117,243.8	100,746.7	127,828.0

Mesa Water



Mesa Water

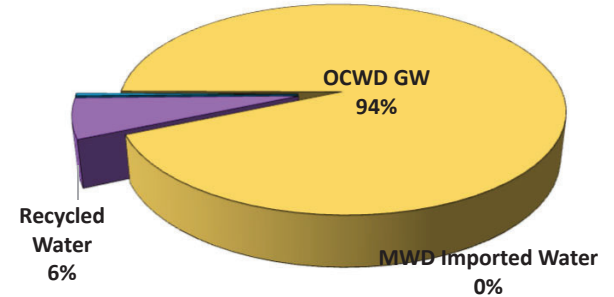
1965 Placentia Ave, Costa Mesa, CA 92627
 Contact: Paul Shoenberger, P.E., General Manager
 Office: (949) 631-1206
 Email: pauls@mesawater.org

Service Population
 111,373

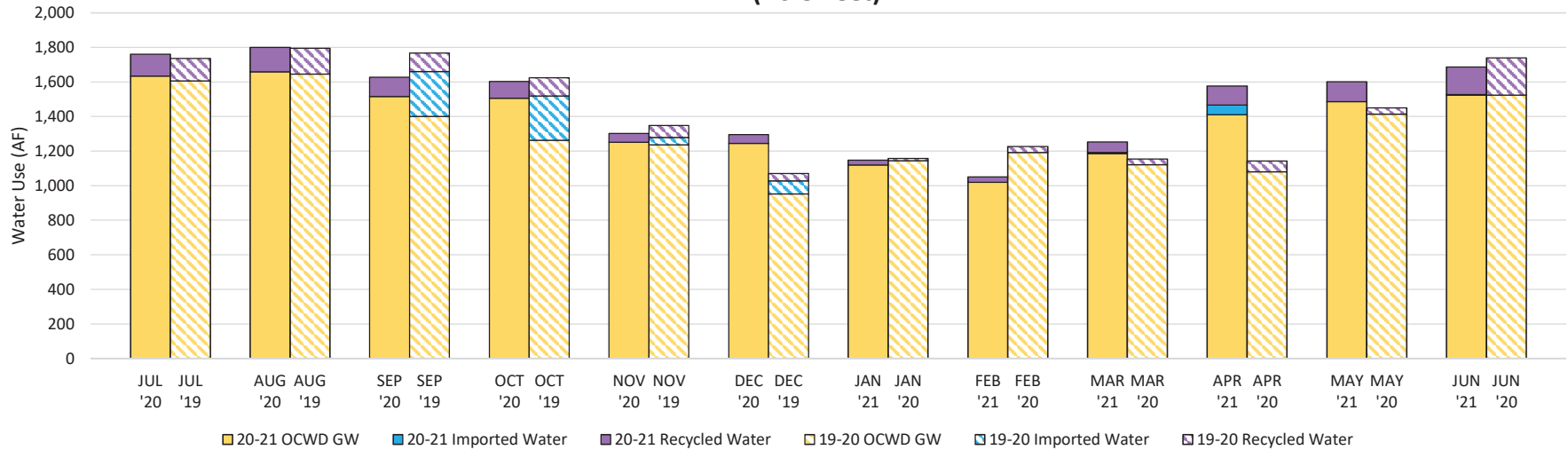
Metropolitan Imported Connections
 CM-02, OC-14

2021 Capacity Charge Flows (CFS)
 2018 = 0.0 2019 = 0.0 2020 = 0.0
 Max = 0.0

2020-21 Sources of Water



Water Use: FY 2020-21 Vs. FY 2019-20 (Acre-Feet)



FY 2020-21 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	56.0	0.0	2.9	66.5
OCWD GW	1,633.1	1,657.7	1,515.1	1,505.6	1,250.3	1,244.8	1,119.1	1,020.0	1,184.8	1,410.2	1,485.5	1,524.5	16,550.7
Recycled Water	127.7	142.5	112.3	97.1	51.2	50.8	28.0	30.1	60.5	110.8	115.1	158.3	1,084.3
Total	1,760.8	1,800.2	1,627.4	1,602.7	1,301.5	1,295.6	1,147.1	1,050.1	1,252.9	1,577.0	1,600.6	1,685.7	17,701.5

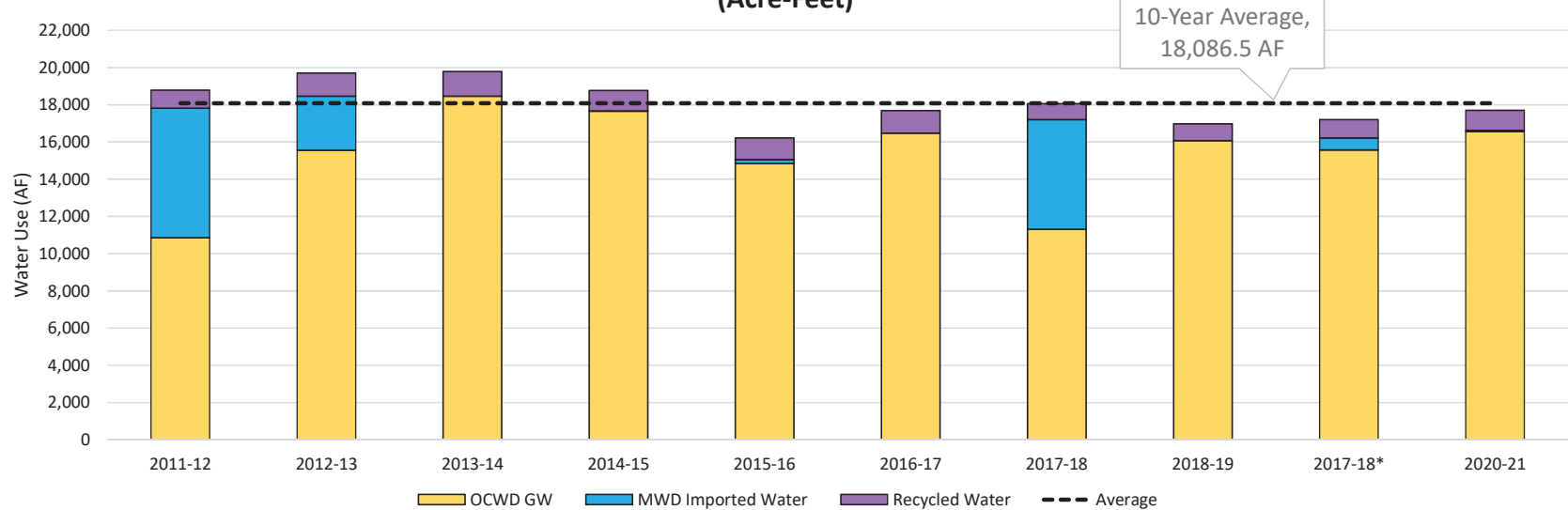
FY 2019-20 (AF)	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	TOTAL
MWD Imported Water	0.0	0.0	259.4	257.3	41.6	76.4	0.0	0.0	0.0	0.0	0.0	0.0	634.7
OCWD GW	1,606.1	1,645.1	1,400.9	1,262.1	1,236.9	951.6	1,144.5	1,191.1	1,121.4	1,080.1	1,414.0	1,523.7	15,577.5
Recycled Water	130.2	149.5	106.2	104.3	68.6	42.4	13.2	34.6	32.5	62.3	35.2	214.7	993.7
Total	1,736.3	1,794.6	1,766.5	1,623.7	1,347.1	1,070.4	1,157.7	1,225.7	1,153.9	1,142.4	1,449.2	1,738.4	17,205.9

FY 20-21 Vs. FY 19-20: +1%, +0%, -8%, -1%, -3%, +21%, -1%, -14%, +9%, +38%, +10%, -3%, +3%

Note: +/- percentages above denote more/less total water used in FY 2020-21 compared to FY 2019-20

Mesa Water

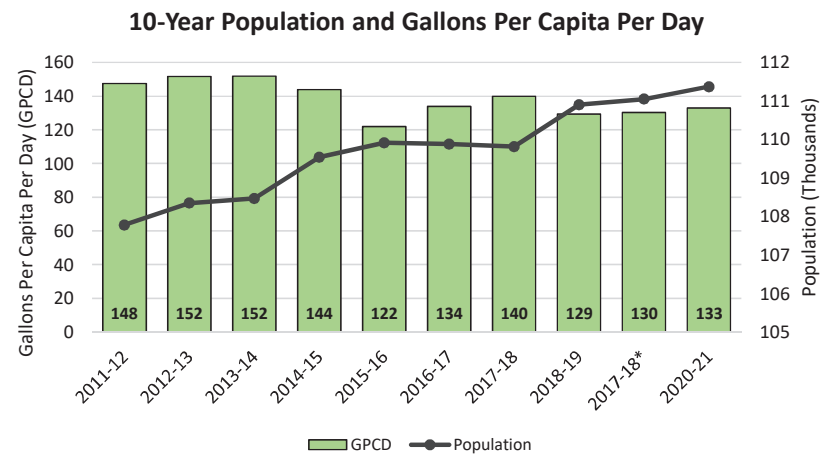
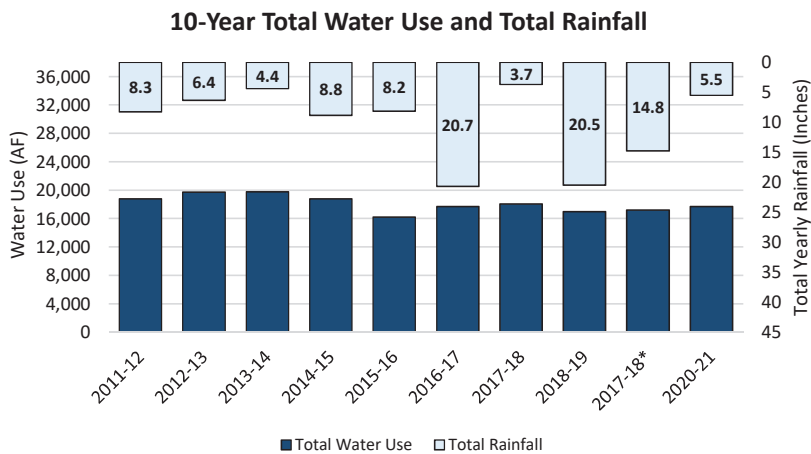
10-Year Total Water Use (Acre-Feet)



*Imported water for FY 17-18 is counted as In-Lieu

Fiscal Year	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2017-18*	2020-21	Average
MWD Imported Water	6,960.7	2,899.9	0.0	16.0	202.7	0.0	5,883.8	0.0	634.7	66.5	1,666.4
OCWD GW	10,852.0	15,557.1	18,456.7	17,651.6	14,853.8	16,482.6	11,318.4	16,064.8	15,577.5	16,550.7	15,336.5
Recycled Water	968.3	1,250.9	1,322.8	1,103.4	1,162.2	1,196.8	848.3	904.7	993.7	1,084.3	1,083.5
Total	18,781.0	19,707.9	19,779.5	18,771.0	16,218.7	17,679.4	18,050.5	16,969.5	17,205.9	17,701.5	18,086.5

Water Use Trends



Note: Rainfall data from OC Public Works SNA #121 Station

GPCD = Total Potable Production / Population / Days in the year



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Andrew D. Wiesner, P.E., Principal Engineer
DATE: October 26, 2021
SUBJECT: SCADA Control Room and Wet Lab Upgrade Project

RECOMMENDATION

Award a contract to Hamel Contracting, Inc. for \$4,053,008 and a 10% contingency of \$405,301 for a total contract amount not to exceed \$4,458,309 to provide construction for the SCADA Control Room and Wet Lab Upgrade Project, and authorize the General Manager to execute the contract.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

At its March 12, 2020 meeting, the Board of Directors (Board) approved the Capital Improvement Program Renewal (CIPR) which includes the design and construction of the Supervisory Control and Data Acquisition (SCADA) Control Room and Wet Lab Upgrade Project, Mesa Water Reliability Facility (MWRF) parking improvements, and the development and implementation of the Education Center Program.

At its August 25, 2020 Committee meeting, the Board approved the SCADA Control Room and Wet Lab Upgrade Project design concept with changes to the air conditioning and reflective roof, and authorized staff to proceed with design development activities.

At its September 28, 2021 Committee meeting, the Board received a presentation regarding the CIPR Program Quarterly Update which included an update regarding the status of the SCADA Control Room and Wet Lab Upgrade Project.

BACKGROUND

Mesa Water District (Mesa Water®) has an Administration Building located at the MWRF that houses a SCADA server, Water Quality lab, control room for Operations, and other office areas. As part of the CIPR, the Administration Building will be partially demolished and renovated. The existing Community Room will be remodeled to allow for relocation of the Administration Building to this space. The existing offices, SCADA Control Room, and Water Quality Lab will be demolished and a new foundation and structural steel building will be constructed to create an Education Center for community members and school groups to learn about Mesa Water and water treatment.

DISCUSSION

The Request for Bids (RFB) for the SCADA Control Room and Wet Lab Upgrade Project was sent to five recommended general contractors who specialize in commercial and industrial buildings. Three of the contractors attended the pre-bid site walk and bids were received from three qualified contractors. The bids are summarized as follows:



Rank	Bidder	Amount
1	Hamel Contracting, Inc.	\$ 4,053,008
2	Gray West Construction, Inc.	\$ 4,320,603
3	Webcor Construction, LP dba Webcor Builders	\$ 5,688,457

The low bid submitted by Hamel Contracting, Inc. was reviewed by Legal Counsel and no disqualifying issues were found. Reference checks indicated that Hamel Contracting, Inc. is an experienced contractor for commercial building and does excellent work while adhering to the approved project schedule. Hamel Contracting, Inc.'s bid was 1% less than the Engineer's Estimate of \$4,100,000.

Staff recommends that the Board award a contract to Hamel Contracting, Inc. for \$4,053,008 and a 10% contingency of \$405,301 for a total contract amount not to exceed \$4,458,309 to provide construction for the SCADA Control Room and Wet Lab Upgrade Project, and authorize the General Manager to execute the contract.

FINANCIAL IMPACT

In Fiscal Year 2022, \$2,650,000, is budgeted for the SCADA Control Room and Wet Lab Upgrade Project; \$100,000 has been spent to date.

	Project Estimate <u>Amounts</u>	Project Cost <u>Amounts</u>
Project Estimate	\$5,100,000	
Original Contracts		\$1,313,000
Change/Task Orders		\$ 0
Requested Funding		<u>\$4,053,008</u>
Revised Contracts		<u>\$5,366,008</u>
Actual Spent to Date		\$ 401,000
Revised Project Estimate	\$5,366,008	

ATTACHMENTS

None.

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: October 26, 2021
SUBJECT: Travel and Business Expense Reimbursement Policy

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.

PRIOR BOARD ACTION/DISCUSSION

At its December 9, 2013 meeting, the Board of Directors (Board) of Mesa Water District (Mesa Water®) adopted Resolution No. 1438 Travel and Business Expense Reimbursement Policy, Superseding Resolution No. 1432. Key updates included revisions related to modified provisions of state law and further refining definitions related to travel areas, meal rates, authorized conference expenses, mileage, etc.

At its November 16, 2015 Finance meeting, the Board adopted Resolution No. 1467 Establishing Rules and Regulations for Travel and Business Expense Reimbursement Policy, Superseding Resolution No. 1438.

DISCUSSION

The Travel and Business Expense Reimbursement Policy has not been updated since November of 2015. Travel expenses such as lodging, meals, and incidental costs have seen a continual increase the last six years due to inflation. Staff has noted concern from both the Board and employees regarding whether the current reimbursement policy is sufficient to cover all travel expenses.

Staff has looked at Mesa Water's comparative agencies to determine the best way of calculating and reimbursing Directors and employees for travel and conference expenses. The comparative agencies use several different methods; two that staff is considering are as follows:

- Continue with cost category specific reimbursement, for example a dollar amount for meals per day. This would result in increasing each specific cost category separately, for example, full day meal expense would potentially increase from \$80/day to \$100/day. This would be done for each Travel and Business Expense Reimbursement Policy category.
- Another method would be to establish a flat dollar amount per day for business travel reimbursements. An example would be \$800/day to cover conference registration, lodging, meals, tips, and incidental expenses. The cost of travel would be separate from this total per day dollar amount.

Staff will provide the Board with a recommendation at a future meeting after a thorough legal review.



FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: Resolution No. 1467

RESOLUTION NO. 1467

**RESOLUTION OF THE
MESA WATER DISTRICT BOARD OF DIRECTORS
ESTABLISHING A TRAVEL AND
BUSINESS EXPENSE REIMBURSEMENT POLICY
SUPERSEDING RESOLUTION NO. 1438**

WHEREAS, the Mesa Water District (Mesa Water® or District) is a county water district organized and operating according to California Law; and

WHEREAS, the Board of Directors (Directors) of the Mesa Water District desires to adopt a policy relative to the reimbursement of travel and business expense reimbursement for Directors and employees.

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

Section 1. This Resolution establishes a policy for the reimbursement of travel and business expenses to Directors and employees as set forth in Attachment A.

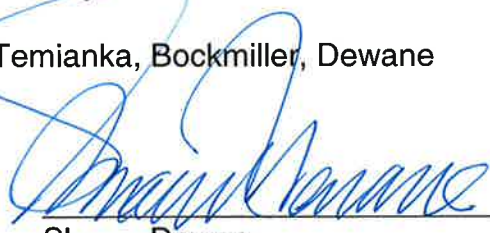
Section 2. This Resolution is intended to comply with the requirements of Government Code Sections 53232.2 and 53232.3, supplements the definition of actual and necessary expenses for purposes of state law relating to permissible uses of public resources, and supplements the definition of necessary and reasonable expenses for purposes of federal and state income tax laws.

Section 3. The Financial Services Department has final approval of expense reimbursements for employees and members of the Finance Committee will review and approve all expense reimbursements from Directors.

Section 4. This Resolution supersedes Resolution No. 1438 and rescinds all prior Board actions and Mesa Water® management policies and procedures regarding reimbursement of travel and business expenses for employees.

ADOPTED, SIGNED, and APPROVED this 16th day of November 2015 by a roll call vote.

AYES:	DIRECTORS:	Atkinson, Temianka, Bockmiller, Dewane
NOES:	DIRECTORS:	Fisler
ABSENT:	DIRECTORS:	
ABSTAIN:	DIRECTORS:	



Shawn Dewane
President, Board of Directors



Coleen L. Monteleone
District Secretary

RESOLUTION NO. 1467

ATTACHMENT A

**RESOLUTION OF THE
MESA WATER DISTRICT BOARD OF DIRECTORS
ESTABLISHING A TRAVEL AND
BUSINESS EXPENSE REIMBURSEMENT POLICY
SUPERSEDING RESOLUTION NO. 1438**

Travel and Business
Expense Reimbursement Policy



MesaWater
DISTRICT®

**TRAVEL AND BUSINESS
EXPENSE
REIMBURSEMENT
POLICY**

Adopted: November 16, 2015

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I. PURPOSE

The purpose of this policy is to establish uniform travel and business expense reimbursement policies, rules and claiming procedures for persons authorized to conduct Mesa Water District (“Mesa Water”) business.

II. SCOPE

The Mesa Water travel and business expense reimbursement policy applies to all Mesa Water Directors, Mesa Water Employees, members of legislative bodies established by the Board (salaried or not) and non-Mesa Water Employees (such as contractors who receive travel and/or business expense reimbursements) traveling on Mesa Water business.

III. DEFINITIONS

Unless the context otherwise requires, the definitions contained in this part govern the construction of this policy. They do not necessarily apply in other Mesa Water contexts.

A. Accountable Expense Reimbursement Plan

Reimbursements of travel and other business expenses to a Mesa Water Director, Mesa Water Employee, contractor or volunteer will be considered to be made under an “Accountable Expense Reimbursement Plan” if the following three requirements are met:

- The person substantiates his or her expenses by submitting an “Expense Reimbursement” form with 1) the amount of the expenditure, 2) the time and place of the travel or business entertainment, 3) the business purpose of the expenditure, and 4) the names and business relationship of any persons entertained.
- The person documents the expenses with supporting receipts, paid bills, etc. within 60 days after the expense is paid or incurred, and
- Advances that exceed allowable business-related expenses, if any, are repaid to Mesa Water within 120 days after the expense is paid or incurred.

B. Mesa Water Business

“Mesa Water business” means the activity directly related to the ordinary, necessary and/or required business functions of Mesa Water. It does not include travel or expenses related to a Mesa Water Employee’s participation in Mesa Water’s Tuition Assistance Program or commuting expenses (a non-reimbursable expense).

C. Mesa Water Director

"Mesa Water Director" means any current member of Mesa Water's Board of Directors, whether elected or appointed.

D. Mesa Water Employee

"Mesa Water Employee" means any "common law" employee. Independent contractors and their employees are not Mesa Water Employees.

E. Mesa Water Traveler

"Mesa Water Traveler" means any Mesa Water Director, Mesa Water Employee or authorized non-Mesa Water Employee (such as a contractor) traveling on Mesa Water business.

F. Home

"Home" means the residence or actual dwelling place of Mesa Water Traveler without regard to any other legal or mailing address.

G. Main or Regular Place of Work

"Main or regular place of work" means the principal place of business for a Mesa Water Employee or the principal location to which a Mesa Water independent contractor is assigned to work for Mesa Water. This may be the place at which she/he spends the largest portion of his/her regular Mesa Water workday or working time or, in the case of field workers, the assigned location/headquarters to which she/he returns upon completion of regular or special assignments.

H. Meals

Reimbursable meals are defined as meals associated with Mesa Water business which require a Mesa Water Traveler to be away from home overnight or meals that are business-related. Business-related meals must be 1) directly related or associated with bona fide Mesa Water business matters and 2) approved for reimbursement by the Mesa Water Finance Committee for meals incurred by a member of the Board of Directors, or the General Manager or a department manager or his/her designee for staff meals whether incurred in connection with out-of-county business travel or while conducting in-county business. Also, in-kind meals which are defined as a meal provided to Mesa Water Employees for Mesa Water's convenience on the business premises of Mesa Water will only be provided to Mesa Water Employees if there is a substantial non-compensatory business reason for providing such meals to Mesa Water Employees.

I. Temporary Work Location

"Temporary work location" means the place where a Mesa Water Employee or contractor is assigned on an irregular or short-term basis. If a Mesa Water Employee is assigned to a work location for one year or less, then the location is considered temporary. Mesa Water Travelers attending conferences, meeting or training sessions away from the main or regular place of work, or field workers conducting fieldwork at off-site locations, does not normally constitute assignment to another site.

J. Vehicle

"Vehicle" means a motor vehicle, which can be legally operated on public highways.

IV. AUTHORIZATION TO TRAVEL

A. General Conditions

1. Travel will be authorized only when the travel is necessary and in the best interest of Mesa Water.
2. Advance authorization is required for all Mesa Water travel, as specified in items B & C directly below.

B. In-County Travel

Mesa Water Employees are authorized to travel within Orange County when said travel is required and is considered a part of the routine, day-to-day official duties of the employee as defined and authorized by the Board of Directors, General Manager, or department manager or his/her designee. All other in-county travel requires advance authorization by the Board of Directors, General Manager, or department manager or his/her designee.

C. Out-of-County or State Travel

1. All travel outside of Orange County, but within the State of California, requires advance authorization by the Board of Directors, General Manager, or department manager, or his/her designee.
2. All out-of-state travel by Mesa Water Employees requires advance written authorization by the General Manager.
3. Authorization for out-of-state travel by current members of the Board of Directors is subject to the guidelines established by the Board.

D. Travel Requests and Advances

1. Travel requests that require General Manager or department manager authorization shall be submitted to the General Manager or department manager pursuant to the respective policy. If the Mesa Water Employee is requesting a travel advance, an approved "Travel Advance Request" form, accompanied by all documentation relative to the request, shall be forwarded to the Mesa Water Financial Services Department.

V. TRAVEL EXPENSES

A. General Conditions

1. Mesa Water Travelers are entitled to submit a claim for actual, ordinary (not lavish or extravagant) and necessary expenses for transportation, meals, lodging, and incidentals for authorized travel, subject to the conditions set forth in this policy, whenever the expenses are incurred as part of his/her official duties and authorized because Mesa Water's Traveler is required to conduct Mesa Water business or attend a school, training, meeting or conference/seminar overnight at a location sufficiently distant from main or regular place of work to qualify under this policy for meal reimbursement and overnight lodging.
2. Notwithstanding Section 1 above, claims shall be paid subject to the rules set forth in this policy and statutory law. Eligibility to submit a claim does not automatically entitle the claimant to reimbursement for any and all expenses.
3. Mesa Water Travelers receiving reimbursement from an outside source for travel on Mesa Water time shall forward said reimbursement to the Mesa Water Financial Services Department for handling and deposit if the traveler intends to submit a claim to Mesa Water or use Mesa Water's resources to travel. Said Travelers shall then be entitled to submit a claim for actual, ordinary and necessary expenses for transportation, meals, lodging, and incidentals, subject to the conditions set forth in this policy.
4. Arrangements for transportation, lodging or registration fees that have cancellation or change penalties shall be carefully monitored by the requesting department. If the cancellation/change occurs due to a Traveler's personal request or obligations, the traveler will be required to pay the corresponding penalty, except when the Board of Directors, General Manager, or department manager determines that the reason for the traveler's absence was legitimate and authorized.

B. Transportation Expenses

1. General Conditions

- a. Transportation expenses are the direct costs related to movement of a Mesa Water Traveler from authorized point of departure to destination of travel and back to the authorized point of return.
- b. All transportation expenses incurred shall be based upon the most efficient, direct, and economical mode of transportation required by the occasion.
- c. Whenever a time frame is established as the criteria for eligibility for claiming transportation expenses, such as the requirements set forth for meals in Section V, subsection C. 1. d., estimated travel time shall be based upon legal vehicle speed limits, volume of traffic, and weather conditions in effect at the time of travel.

2. Vehicle Transportation

Vehicle use (both Mesa Water-owned and private) by Mesa Water Travelers during the conduct of official Mesa Water business is subject to Mesa Water's policy, DM-013, Vehicles Used for District Business.

a. Private Vehicle

- i. Travel by private vehicle will be reimbursed at the IRS rate for business use of a private vehicle in effect at the time of travel.
- ii. Mesa Water Travelers who travel in a vehicle other than their own may not claim mileage for business use of a private vehicle, but may claim reimbursement of actual fuel expenses necessary for the trip and expended by the Traveler. Receipts are required and should be claimed by the Mesa Water Employee actually paying the expense.
- iii. Mesa Water Travelers may not claim mileage for business use of a private vehicle in the following instances:
 - When a Mesa Water Traveler is riding with someone who will be claiming reimbursement for the vehicle's use from Mesa Water or another source.
 - When a Mesa Water Traveler is traveling in a Mesa Water-owned or other government agency vehicle.

- When a Mesa Water Traveler is traveling in a rented vehicle (paid by Mesa Water).
 - When a Mesa Water Traveler has been assigned a Mesa Water-owned Vehicle for home retention unless specifically provided for in the terms of their employment agreement or contract with Mesa Water or by Board resolution.
- iv. Mileage to a Mesa Water Employee's main or regular place of work, from or to home is considered non-business commuting and may not be claimed.
- v. Mileage to a Mesa Water Employee's temporary work location from home, and back, may not be claimed except in the following cases:
- If a Mesa Water Employee is required to report to the main or regular place of work before reporting to the temporary work location, she/he is eligible for mileage from the main or regular place of work to the temporary work location. This is considered to be nontaxable business travel.
 - If a Mesa Water Employee is required to report to the main or regular place of work after working at the temporary work location and before going home, she/he is eligible for mileage from the temporary work location to the main or regular place of work. This is also considered to be nontaxable business travel.
- vi. Mileage in conjunction with authorized Mesa Water travel to and from a school, training, conference/seminar or meeting shall be based on the distance to the destination from the Traveler's home or the regular or main place of work, whichever is less, except in the following cases:
- If the traveler is required to report to his/her work location before leaving, she/he is eligible for mileage to the school, training, conference/seminar or meeting from the work location.
 - If the traveler is required to report to his/her work location before returning home, she/he is eligible for mileage based on the distance from the school, training, conference/seminar or meeting to the work location.
 - All such mileage reimbursements for transportation will be treated as nontaxable.
- vii. Appointed volunteer members of Mesa Water boards,

commissions, or advisory committees may claim mileage to the official meetings of their respective boards from home, and back.

- viii. Mesa Water Employees who are members of personnel interview panels may claim mileage to the panel location from their main or regular place of work, and back.
- ix. When two or more Mesa Water Travelers are traveling to the same site by vehicle at the same time, they should use only as many vehicles as are required to accommodate the number of travelers and business needs of Mesa Water. If a Mesa Water Traveler chooses to use a separate private vehicle because of personal preferences or obligations, he/she shall not be eligible for mileage or fuel reimbursement for the travel unless the Board of Directors, General Manager, or department manager determines that reimbursement is appropriate and justified.
- x. If a Mesa Water Traveler chooses to use a private vehicle instead of an alternative mode of transportation chosen by the Board of Directors, General Manager, or department manager because of personal preferences or obligations, his/her mileage reimbursement shall not exceed the cost of using the alternative mode of transportation unless the Board of Directors, General Manager, or department manager determines that the additional reimbursement is appropriate and justified.
- xi. If a Mesa Water Traveler is paid a vehicle allowance, reimbursement for in-county vehicle expenses are not reimbursable.

b. Mesa Water-Owned Vehicle Transportation

- i. Mesa Water Travelers using a Mesa Water-owned vehicle for traveling shall not be eligible for reimbursement for mileage.
- ii. Mesa Water Travelers required to fuel a Mesa Water-owned vehicle at their own expense should claim the actual fuel costs expended by them. Receipts must accompany the claim. Vehicle license number and the odometer reading should be written on the receipts.
- iii. If a Mesa Water-owned vehicle experiences mechanical failure, the Mesa Water Traveler shall call the Water Operations Department during normal business hours for assistance.

c. Rental Vehicle Transportation

- i. Vehicles may be rented for transportation at the destination point when a Mesa Water Traveler travels to the destination via commercial common carrier and the cost of the rental will be less than the charge for taxi service (or other reasonable and available modes of transportation) to and from the carrier termination point to the function or hotel accommodations.
- ii. Vehicles may be rented for transportation to the destination point when the cost of the rental will be less than other reasonable and available modes of transportation.
- iii. If more than one Mesa Water Traveler from is traveling to the same function at the same time, only one rental vehicle may be claimed and then only if it is available for use by all Mesa Water Travelers.
- iv. A Mesa Water Traveler shall choose based upon the most efficient, direct, and economical mode of transportation required by the occasion. Rental expenses for luxury vehicles, motorcycles and recreational vehicles may not be claimed.
- v. When traveling domestically a Mesa Water Traveler shall first seek to obtain the ACWA/JPIA rate which contains additional vehicle insurance. Otherwise, travelers should waive additional vehicle insurance (except for additional driver and coverage for drivers under 25 years of age), provided that the Mesa Water Employee has his/her own vehicle insurance coverage. When traveling internationally, additional insurance should be accepted if the traveler lacks other similar coverage.
- vi. A vehicle rental receipt showing the number of days and type of vehicle rented is required for vehicle rental claims. A copy of the receipt or a credit card receipt alone is insufficient.

d. Commercial Carrier Transportation

- i. Mesa Water Travelers shall seek and attempt to achieve the lowest overall cost in selecting refundable and changeable airfares utilizing commercial carrier service. Whenever possible, travelers should take advantage of flight arrangements that minimize Mesa Water cost (for example, purchasing a round trip ticket may be less expensive than two one-way tickets). Reservations should be made as far in advance as possible to take advantage of available discounts and special offers. Travel agents that have added ticket

handling charges should be avoided.

- ii. Claims for travel via commercial carrier shall be based upon the most efficient, direct, and economical mode of transportation required by the occasion. Mesa Water Travelers may upgrade tickets, provided that the traveler and not Mesa Water pay for the difference in cost for such upgrade. Mesa Water will not reimburse any type of travel insurance. Reasonable baggage charges, if imposed by the airline, are reimbursable.
 - iii. Claims for commercial carrier tickets shall be substantiated by an original ticket document (such as an e-ticket or passenger receipt ticket copy) showing the price, date, date/time of travel and class of travel. A copy of the credit card receipt or statement from a travel agency alone is insufficient.
 - iv. Mesa Water Travelers may retain frequent flyer/hotel rewards and similar program benefits. However, participation in these programs must not influence flight/hotel/etc. selection, which would result in incremental cost to Mesa Water beyond the lowest available airfare/hotel cost unless the difference is paid by the traveler. Free tickets or cash allowances for volunteer denied boarding compensation may be retained by the traveler but no additional cost to Mesa Water or interruption of Mesa Water business is allowed and any additional time required to complete the trip is to be personal time.
 - v. Should a Saturday night stay reduce the cost to Mesa Water of a ticket more than the total of any additional hotel/meal/parking cost, the costs to do so are reimbursable to the traveler but should be well documented with a clear savings to Mesa Water .
- e. Private Aircraft Transportation
- i. Traveling by private aircraft will not be subject to any reimbursement.
- f. Other Transportation Expenses
- i. The following necessary transportation expenses may be claimed at actual cost (receipt required) when directly related to transporting a Mesa Water Traveler to and from the destination point:
 - Taxi, shuttle, or public transit fares.
 - Parking fees, airport long-term parking (for travel exceeding 24 hours).

- Bridge, road or ferry tolls.
 - Other actual transportation expenses determined to be reasonable and necessary by the Board of Directors, General Manager, or department manager and the Mesa Water Financial Services Department.
- ii. The following transportation expenses may not be claimed and will not be subject to Mesa Water reimbursement:
- Traffic and parking violations.
 - Emergency repairs or non-emergency repairs on non-Mesa Water-owned vehicles.
 - Personal travel while at an out-of-county location.
 - Other actual transportation expenses determined to be unreasonable or unnecessary by the Board of Directors, General Manager, or department manager or the Mesa Water Financial Services Department.

C. Meal Expenses

1. Eligibility for Meals

- a. Mesa Water Employees, contractors and volunteers may be reimbursed for in-county meal costs that are 1) ordinary (not lavish or extravagant) and necessary based on the facts and circumstances, 2) directly related or associated with bona fide Mesa Water business matters and 3) approved by a member of the Board of Directors, General Manager or a department manager or his/her designee. Mesa Water business discussions associated with a meal must be conducted in a “clear business setting” as determined by the facts and circumstances.
- b. Mesa Water Travelers involved with in-county travel that does not require an overnight stay away from their home are not eligible to claim for meals taken outside Mesa Water, unless the requirements of paragraph a) above are met, or unless provided for in a Board of Director-approved written Mesa Water policy.
- c. Mesa Water Travelers on out-of-county business travel that requires an overnight stay away from their home are eligible to claim for meals taken out-of-county.

- d. Mesa Water Travelers are eligible to claim the meal reimbursements noted below for travel requiring overnight lodging if the total travel time (work time, plus the lunch period plus round-trip travel time) is estimated to equal or exceed 12 hours: Breakfast may be claimed if a Mesa Water Traveler must reasonably be away from home because of Mesa Water business travel at or before 8:00 a.m. Lunch may be claimed if a Mesa Water Traveler must reasonably be away from home because of Mesa Water business travel at or before Noon. Dinner may be claimed if a Mesa Water Traveler must reasonably be away from home because of Mesa Water business travel at 6:00 p.m. or after.
- e. Purchasing and/or claiming for meals for federal, state or local public officials or employees is prohibited if any portion of the meal is for lobbying purposes, including any other Mesa Water Employees unless provided for under other Board of Directors approved written policies.
- f. Mesa Water Travelers are not eligible to claim meals or other expenses of those persons who are not otherwise eligible to file a claim themselves for Mesa Water reimbursement.
- g. Mesa Water Travelers are not eligible to claim or receive reimbursement for anyone other than themselves.

2. Meal Claims

- a. Mesa Water's maximum full day meal expense rate shall be equal to \$80 as an approximate standard of meal reimbursement rates established by the Federal Government. Said maximums exclude taxes and gratuities. The maximum meal reimbursement rates will be revised annually using a 12-month comparison and adjusted accordingly with the most recent data released prior to December 1, of each year, employing the following index: Consumer Price Index for All Urban Consumers in the Los Angeles-Riverside-Orange Counties.
- b. Meal costs may exceed the prescribed maximum full day meal expense rate if the meal is being served at a conference or seminar and the costs of the speaker, conference, and/or registration are included in the price. The agenda/brochure or other documentation describing the event and the price must accompany the claim to the Mesa Water® Financial Services Department.
- c. Claiming for alcoholic beverage expenses are prohibited in all cases.
- d. As required by California Government Code 53232.2 a member of the Board of Directors seeking reimbursement must provide receipts for all meals and will be reimbursed at the lower of the appropriate amount

previously defined in this policy or the actual expense.

D. Lodging Expenses

1. Eligibility for Lodging

- a. For out-of-county business travel that is conducted on one day, a Mesa Water Traveler will have the option of securing one night's lodging at either the front-end or back-end of the trip.
- b. For out-of-county business travel that is conducted on more than one day, a Mesa Water Traveler will have the option of securing one night's lodging at both the front-end and back-end of the trip.
- c. For out-of-county business travel that requires multiple nonconsecutive days, if Mesa Water Travelers are eligible to claim lodging for the first and last evenings of an out-of-county trip, they are also eligible to claim lodging for any evenings that fall in between the first and last evenings of the trip.
- d. Mesa Water Travelers may stay additional nights if the savings in travel costs are greater than the costs of accommodations (lodging, meals, etc.) for the extra night(s).
- e. Mesa Water Travelers are not eligible to claim lodging staying overnight as a guest of friends or relatives.

2. Lodging Claims

- a. Lodging expenses shall be claimed at either the actual cost of the lodging (limited to the single occupancy rate for a single room) or available government lodging rates, whichever is less, not to exceed \$275. The not to exceed amount for lodging reimbursement rates will be revised annually using a 12-month comparison and adjusted accordingly with the most recent data released prior to December 1, of each year, to the following index: Consumer Price Index for All Urban Consumers in the Los Angeles-Riverside-Orange Counties. Receipts are required. Taxes are in addition to the applicable government lodging rates.
- b. Lodging costs may exceed Mesa Water's maximum lodging rate as defined in (a) above only in the following instances:
 - A conference/seminar or meeting sponsored by an organization of which Mesa Water or a Mesa Water Employee is a member, the lodging may be claimed at the actual cost if conference/seminars or meetings are to be held at the particular hotel (or at published

conference lodging rate at surrounding hotels) and/or events are scheduled for evening hours, and the Board of Directors, General Manager, or department manager has given advance written authorization.

- c. An original room folio receipt, showing the number of days and the number of occupants, is required for lodging claims. A copy of the receipt, travel agency statement or a credit card receipt alone is insufficient.
- d. When a room is shared with another Mesa Water Traveler, the expense may either be prorated, and the prorated amount claimed by each traveler, or one traveler at the multiple occupancy rate may claim the total expense.
- e. When a room is shared with a person other than a Mesa Water Traveler and said person will also be claiming reimbursement from Mesa Water or another source, the amount shall be prorated between the two travelers.
- f. Lodging expense may not be claimed for guests of a Mesa Water Traveler. Where expense for a family member or friend is included in the receipt, the claim must not exceed the single occupancy rate.
- g. Special lodging, such as accommodations in apartments, RV parks, campgrounds or other semi-permanent lodgings, shall require advance written authorization of the Board of Directors or General Manager.
- h. Mesa Water Travelers should inquire when making lodging arrangements whether Mesa Water is exempt from Transient Occupancy Taxes (TOT) in the locale where they are staying and should provide the necessary form to the lodging facility, if required to do so to obtain the waiver.
- i. Except when registering for lodging at a pre-arranged group rate in conjunction with a conference or meeting, Mesa Water Travelers shall request the government lodging rate or lowest available eligible rate when making lodging arrangements.
- j. Mesa Water Travelers are responsible for canceling hotel rooms before the cancellation period ends and should record the cancellation number in case of disputes. Travelers will not be reimbursed for "no-show" hotel charges unless there are unavoidable reasons for not canceling the room.
- k. When multiple Mesa Water Travelers are traveling together and the rooms are put on one invoice, one traveler may take care of the invoice but should provide the details on who stayed in each room on the invoice.

E. Registration Fees

Conference and seminar registration and tuition fees may be claimed at the actual cost, provided that the agenda/brochure or other documentation describing the event, including the price, accompanies the approved claim to the Mesa Water Financial Services Department.

F. Other Travel Expenses

1. Mesa Water Travelers are eligible to claim an incidental allowance, limited to \$10 for each day of travel requiring an overnight stay away from the traveler's home. Said allowance covers fees and gratuities for persons who provide services, such as luggage handlers, and does not require receipts. Gratuities are limited to not exceed 20 percent of the service costs unless billed by a provider's standard policy at a higher rate.
2. Mesa Water Travelers are eligible to claim the following expenses at actual cost. Receipts are required.
 - a. Business calls (traveler must provide purpose of call on the bill).
 - b. Fax machine charges incurred to send or receive documents for Mesa Water use.
 - c. Copy machine charges incurred to copy documents for Mesa Water use.
 - d. Internet access connection and/or usage fees away from home.
 - e. Other business related expenses determined to be reasonable and necessary by the Board of Directors, General Manager, or department manager and the Mesa Water Financial Services Department.

VI. OTHER MESA WATER BUSINESS EXPENSES

A. General Guidelines

In the course of conducting Mesa Water business, Mesa Water Employees, contractors or volunteers may incur business expenses (including meal expenses) on behalf of Mesa Water. Such expenses will be approved for reimbursement if the disbursement meets the following requirements:

- The disbursement is for an ordinary (not lavish or extravagant) and necessary expense of conducting Mesa Water business, or is an expense that is required by Mesa Water.
- The expense is approved by the Mesa Water Finance Committee,

General Manager, or a Mesa Water department manager or his/her designee.

- The payee accounts for the expense in accordance with the rules for an “Accountable Expense Reimbursement Plan” as set forth in the Internal Revenue Code, related regulations and this policy.
- For meal expenses, Mesa Water’s meal expense rates shall be equal to the amounts specified in Section V.C.2.a.

B. Taxation of Business Expense Reimbursements

If a reimbursement to a Mesa Water Employee, contractor or volunteer meets the requirements of an “Accountable Expense Reimbursement Plan”, then such reimbursement will not be reportable for federal or California income tax purposes.

VII. CLAIMING PROCEDURES

A. Travel Advance Claims

1. Authorizations and Eligibility

- a. Travel advances are strongly discouraged and are only available to Mesa Water Employees. Members of the Board of Directors are not eligible for travel advances.

For Mesa Water Employees not assigned a district credit card. Mesa Water Employees should use their personal credit cards to pay for their travel expenses. Departments may use the district credit card to pay for airline tickets and conference registration expenses for all Mesa Water Employees. Commercial carrier and conference/seminar registration expenses should not be considered in the travel advance calculation. The third choice would be a cash advance, if necessary.

- b. Travel advances require the authorization of the General Manager, or department manager or his/her designee, and the Mesa Water Financial Services Department.
- c. The net amount of the travel advance shall not exceed the following:
 - i. 100 percent of the total estimate for the following travel expenses, exclusive of payments made payable directly to the vendor:
 - Lodging (documentation, including at least the confirmation number and hotel name should be provided), including hotel parking.
 - Rental vehicle transportation.

- Per diem meal allowances.
 - Long-term airport parking.
 - Other out-of-pocket expenses deemed necessary and reasonable by the Mesa Water Financial Services Department.
- ii. 100 percent of the total estimate of reimbursement for mileage for business use of a private vehicle.
- d. A travel advance shall not be issued for a net amount less than \$100.00 nor more than \$2,000.00.
 - e. A travel advance shall not be issued more than thirty (30) calendar days in advance of the commencement of travel.
 - f. Travelers are not eligible for an additional travel advance if they have an unsettled advance, unless the advances are for travel taken consecutively. In such case, the sum total of the travel advances shall not exceed \$2,000.00.

2. Travel Advance Requests

- a. Requests for travel advances involving travel shall be submitted by the General Manager, or department manager to the Mesa Water Financial Services Department on a completed and signed "Travel Request" form, accompanied by all documentation relative to the request, at least ten (10) working days in advance of the commencement of travel.
- b. After a completed and approved "Travel Request form is received by the Mesa Water Financial Services Department, a check payable to a Mesa Water Employee for the amount requested shall be issued, up to the 100 percent maximum amount allowed pursuant to this policy.

3. Travel Advance Settlements

- a. Within fifteen (15) working days of completion of travel, a Mesa Water Employee shall submit all receipts for allowable travel expenses to the department manager and within thirty (30) working days of completion of travel to the Mesa Water Financial Services Department on a completed "Expense Reimbursement" form. Credit for the travel advance shall be subtracted from the amount owed to a Mesa Water Employee.
- b. In the event that allowable expenses are less than the amount of the travel advance, a Mesa Water Employee shall submit the difference in

the form of a check or money order made out to the "Mesa Water District" with the "Expense Reimbursement" form.

- c. Mesa Water Employees who cannot provide a required receipt shall reimburse Mesa Water for the amount of the money advanced to them for that expense.
- d. Mesa Water Employees who do not submit the required documentation by the time frames set forth above may lose their eligibility for future travel advances.
- e. The General Manager or department managers are responsible for ensuring that their employees settle their travel advance claims within the time frames set forth in subsection a) above.

B. Prepaid Travel Claims

1. Travel Claim Requests

- a. Once travel has been authorized, vendor invoices may be submitted for lodging and registration fees when there is sufficient time for the check to be processed before the authorized Mesa Water Traveler commences travel.
- b. If the travel requires a "Travel Request" form, the approved form shall be submitted with the invoice. If the original has been submitted with a previous invoice, then that shall be noted on the "Expense Reimbursement" form and a copy of the form attached.
- c. If possible and practical, Mesa Water shall be named as registrant for events to allow transfer of attendance privilege when conflicts prevent the original registrant from attending.
- d. Mesa Water will mail the check directly to the vendor unless the traveler requests that the check be returned to them to hand carry to the vendor.

2. Travel Expense Claim Settlements

- a. Each "Expense Reimbursement" form must have an original receipt attached in order to settle the claim. The required receipts for travel claims that have been prepaid shall be forwarded to the Mesa Water Financial Services Department within thirty (30) calendar days after completion of travel.
- b. Claims paid directly to vendors that are not substantiated by receipts within thirty (30) calendar days of the completion of travel shall be

considered to be unsettled travel expenses to a Mesa Water Traveler.

- c. The General Manager or department managers are responsible for ensuring that their employees return their receipts within the time frames established by this policy.
- d. In the event that all or a portion of the prepaid cost to a vendor is reduced after the check has been processed, a Mesa Water Traveler is responsible for ensuring that the entire difference is returned to Mesa Water within the time frames established for settling the claim.

C. Reimbursement Claims

1. After completion of travel or business activity, a Mesa Water Traveler shall submit a completed "Expense Reimbursement" form to the Board of Directors, General Manager, or department manager for authorization. After review and authorization, the Board of Directors, General Manager, or department manager shall submit the authorized claim form, together with any required receipts, to the Mesa Water Financial Services Department. Said claim form shall be received by the Mesa Water Financial Services Department within thirty (30) calendar days of when the expense is incurred.
2. The traveler shall not be reimbursed until she/he has signed the certification for the claim that is required by the Mesa Water Financial Services Department.
3. The Mesa Water Financial Services Department shall periodically review the "Expense Reimbursement" form for compliance with applicable Mesa Water policies and procedures. If approved by the Mesa Water Financial Services Department, the claim shall be processed and a check sent to the claimant within ten (10) working days. If denied, or denied in part, the department's contact person will be notified immediately. The Mesa Water Financial Services Department has the final decision on allowable expenses for Mesa Water Employees and members of the Mesa Water Finance Committee will review and approve all expense reimbursements from Directors.
4. No reimbursement for travel or business expenses shall be paid to the Mesa Water Traveler until all required receipts for the claim have been filed with the Mesa Water Financial Services Department.
5. Travel reimbursements are to be paid via check and shall not be paid via petty cash.

D. Mileage Claims

1. Whenever travel requires advance authorization of the Board of Directors, General Manager, or department manager, or his/her designee, the resulting mileage expense shall be claimed on the same "Expense Reimbursement" form as the other expenses that apply to that travel. The only exception is if mileage is the only expense of the trip, in which case the Mesa Water Employee may claim the mileage on the monthly "Travel Request" form and Mesa Water Directors may claim reimbursement through Accounts Payable on their bi-weekly payroll form.
2. Whenever travel does not require advance authorization of the Board of Directors, General Manager, or department manager, or his/her designee, the resulting mileage expense shall be claimed on the "Expense Reimbursement" form.
3. Mileage claims shall be submitted monthly.
4. All mileage claims for the last month of the fiscal year must be processed by year-end close (currently June 30 of each year).

E. Reimbursement by Outside Source

1. Mesa Water Travelers receiving reimbursement from an outside source for travel on Mesa Water time shall forward said reimbursement to the Mesa Water Financial Services Department for handling and deposit if the traveler intends to submit an expense claim to Mesa Water or use its resources, including a Mesa Water-owned vehicle, to travel. In such cases, the traveler shall then be entitled to submit a claim for actual and necessary expenses for transportation, meals, lodging, and incidentals, subject to the claiming conditions set forth in this policy. Said reimbursement shall be delivered to the Mesa Water Financial Services Department within ten (10) days of the receipt of the funds.
2. If a Mesa Water volunteer or non-employee will be receiving a per diem or other reimbursement of travel expenses from a source outside of Mesa Water, they are not eligible to claim or receive any additional reimbursement from Mesa Water for the same expenses.

F. Late Claims

If a claim for reimbursement or settlement of a travel claim is submitted after the allowed time frames, the payment to the Mesa Water Employee shall not be made until the claim has been reviewed and approved by the Mesa Water Financial Services Department.

G. Missing Receipts

If a receipt is lost or if no receipt was provided, the Mesa Water Traveler must complete a "Missing Receipt" form as substantiation of the expense in addition to supporting documentation that is not normally accepted as sufficient (i.e., credit card statement, credit card receipt, etc.). This form should be scanned or faxed along with all other receipts applicable to incurred travel expenses. The Mesa Water Financial Services Department has the final decision regarding reimbursing Mesa Water Employees for missing receipts, and members of the Mesa Water Finance Committee will review and approve all reimbursements for missing receipt from Directors.

VIII. INTERPRETATIONS

The Mesa Water Financial Services Department shall be responsible for interpretations of this policy.

IX. EXCEPTIONS

Exceptions to this policy require the approval of the Board of Directors or General Manager.

X. CONFLICT WITH RULES

In the event that this policy is in conflict with another Mesa Water policy, the policy with the strictest application shall prevail.



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: October 26, 2021
SUBJECT: Customer Water Arrearage Assistance

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be fiscally responsible and transparent.
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

None.

DISCUSSION

To address the financial impacts of COVID-19, California's 2021 state budget has provided for several financial assistance programs (from federal funds) to help utility customers address unpaid bills. There are three arrearage assistance programs relevant to California's water utilities: the California Water & Wastewater Arrearage Payment Program (CWWAPP), the Low Income Household Water Assistance Program (LIHWAP), and the State Rental Assistance Program.

Of the three programs, the CWWAPP is the only one that requires a water utility to apply, on behalf of its residential and commercial customers, to receive funds from the state after which the water utility credits customers' unpaid bills for the amount received from the state. The state has reported that funds are available to cover 100% of eligible customers' arrears that Mesa Water District (Mesa Water®) applied for -- totaling an estimated \$263,040 (excluding uncollected late fees associated with eligible accounts in arrears) -- in addition to covering Mesa Water's costs to implement the CWWAPP up to 10% of funds the District receives. There are 687 commercial and residential Mesa Water customer accounts with outstanding balances that are eligible for CWWAPP funds.

One question that remains is whether CWWAPP credits to customers' unpaid bills of \$600 or more per calendar year are taxable or not. Mesa Water is participating in the Association of California Water Agencies/California Municipal Utilities Association (ACWA/CMUA) coalition advocating to exempt such credits from taxation. The CWWAPP allows water utilities to credit customers' unpaid bills in two payments - the first in 2021, and the second in 2022.

As of September 10, 2021, there are 101 eligible residential Mesa Water customers with a past due balance of \$600 or greater, and 24 residential customers with a past due balance of \$1,200 or greater, totaling \$110,824.35 in eligible uncollected residential bills with balances of \$600 or more; and, there are 14 eligible commercial Mesa Water customers with a past due balance of \$600 or



greater, and no commercial customers with a past due balance of \$1,200 or greater, totaling \$15,881.48 in eligible uncollected commercial bills with balances of \$600 or more.

Below summarizes the three arrearage assistance programs for California water utility customers:

Program	CWWAPP	LIHWAP	State Rental Assistance Program
Who Applies?	Water Utilities	Water Utility Customers	Renters & Landlords
Available Funds	\$985MM (~\$315M was reported via survey)	~\$116MM	\$5.58BB
Eligible Customers	Residential & commercial water system customers with arrears accrued March 4, 2020 – June 15, 2021	Households served by water (& sewer) agencies; eligibility criteria to be determined	Renters & landlords for water bills (as well as energy & sewer bills)
Administering Entity	State Water Resources Control Board (SWB); community water systems apply to SWB for funds	CA Department of Community Services & Development (CSD) in partnership with Community Benefit Organizations (CBOs)	CA Department of Housing & Community Development (HCD); local governments with more than 200,000 residents (e.g., the County of Orange)
Program Description	Prioritizes funding for water, then sewer arrearages; SWB must start distributing funds by Nov. 1, 2021 and complete distribution by Jan. 31, 2022; water systems to credit customer bills with funds received...can apply credits in 2 installments in different tax years (to stay under the possible taxable threshold of \$600); IRS guidance Nov. 1	CSD provides funds to local community services providers (CBOs) to implement the program locally; utilities work with their local CBO(s) to identify income-eligible customers who can apply for the benefit from the CBO(s), which pay the utility directly	State & locally administered program helps cover 100% of renters' & landlords' rental arrears & prospective rent payments & 100% of utilities, including arrears & prospective payments, accumulated on or after April 1, 2020. Prioritizes low-income Californians & communities disproportionately impacted by COVID-19, funding is also available for any other housing-related expenses

Program	CWWAPP	LiHWAP	State Rental Assistance Program
Recommended Mesa Water Actions	Apply now-Dec. 6, 2021 via eAR portal (total arrearages plus administrative costs; requires backup documentation); once Mesa Water receives funds, customer accounts must be credited within 60 days; funds received to be classified as “grant funds” (and the state will issue 1099s to water systems)	Refer customers to this State website – CSD.CA.gov/pages/LiHWAP.aspx	Refer customers to this State website and/or phone # – Housing.CA.gov 833.430.2122
More Info	State website link -- WaterBoards.CA.gov/Arrearage_Payment_Program/ -- and see Attachments A and B	California Municipal Utilities Association is working with CSD to coordinate LiHWAP	Guidelines for local governments & utilities (e.g., County of Orange)

Lastly, Mesa Water cannot shutoff customer water service due to nonpayment until January 1, 2022, or after the deadline has passed for the customer to enroll in the District’s payment plan (per [Mesa Water’s Service Termination Policy](#) in compliance with [SB 998](#)), whichever is later.

FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: [CSDA Article – Application Period Now Open for Drinking Water Arrearages Funding Program](#)

Attachment B: Congressional Delegation Letter Requesting Favorable Guidance on 1099 Tax Issue



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Application Period Now Open for Drinking Water Arrearages Funding Program

By Kristin Withrow posted 8 days ago

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The Survey Was the First Step – Now's the Time for Formally Requesting Funds

On October 5, the State Water Resources Control Board (SWRCB) opened the application period for the California Water and Wastewater Arrearage Payment Program. From now through December 6, districts that completed the SWRCB arrearages survey can submit formal applications for financial assistance. Applications can be accessed through the SWRCB electronic Annual Report (eAR) portal. Districts that wish to pursue funding must fill out the application *in addition to* having filled out the survey.



For those districts that did not complete the survey but would like to pursue funding through this program, the opportunity is still available by completing an abbreviated survey, also accessed through the eAR portal.

Chat-How Can We Help?



Water districts should be aware of the [guidelines](#) that the SWRCB adopted for the program at the September 21 Board meeting. Important provisions include:

- The funding will cover water debt from residential and commercial customers accrued between March 4, 2020 and June 15, 2021.
- Disbursements will begin on November 1, 2021, and continue through January 31, 2022. Applications will be evaluated and disbursements will take place as applications are received.
- Water systems must allocate the funds as bill credits to customers within 60 days of receiving funds. Water systems may apply the credits in two installments within different tax years
- Because there are sufficient funds to cover the statewide arrearage total plus the administrative costs, systems may request enough funds to cover both. SWRCB will provide a template for reporting administrative costs.
- As of September 23, 2021, all community water systems in California -- not limited to those participating in the arrearages program -- are prohibited from shutting off water to customers for non-payment until December 31, 2021.

As noted in a previous eNews edition, approximately \$315 million in drinking water arrearages was reported statewide. Because this is less than the \$985 million allocated for the program, there will be funding available for a wastewater arrearages program. This program is expected to be put in place by February 1, 2022.

The drinking water arrearages program is a separate and distinct program from the \$100 million COVID-19 relief fund for independent special districts. Special districts with water or wastewater arrearages must choose which of these two funds is the best fit; a special district cannot participate in both programs.

For additional information about the arrearage program, visit www.waterboards.ca.gov/arrearage_payment_program

For additional information about the \$100 million COVID-19 relief fund, visit https://dof.ca.gov/budget/COVID-19/Fiscal_Relief_for_Special_Districts/

#COVID-19

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<https://www.csda.net/blogs/kristin-withrow1/2021/10/12/water-arrearages-funding-program>



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DISTRICTS MAKE THE DIFFERENCE



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Congress of the United States

Washington, DC 20515

October 19, 2021

The Honorable Charles P. Rettig
Commissioner
Internal Revenue Service
1111 Constitution Avenue, NW
Washington, DC 20224

Dear Commissioner Rettig:

We write to express concerns about the potential tax implications of the provision of utility assistance to Californians through the American Rescue Plan Act's Coronavirus State and Local Fiscal Recovery Funds. We request that you provide guidance to prevent unnecessary tax burdens for many Californians in need as we recover from the economic impact of the COVID-19 pandemic.

Many states and local governments have expressed interest in issuing utility assistance to households or populations facing negative economic impacts due to COVID-19, in accordance with the Department's interim final rule. California is using a portion of its \$27 billion allocation to provide \$993.5 million in assistance for electric and natural gas customers under the California Arrearage Payment Program and \$985 million in assistance for water and wastewater customers under the California Water and Wastewater Arrearage Payment Program. Both programs will assist residential and commercial customers.

However, the State, as well as the agencies and utilities tasked with implementation, have expressed concern that they would be required to report such assistance as income to the Internal Revenue Service (IRS). We believe that taxing utility assistance provided through fiscal recovery funds would be inconsistent with the exemption of tax liability under other COVID-19 relief programs like economic impact payments and emergency rental assistance, as well as other long-standing utility assistance programs.

Households already facing the adverse economic impacts of the pandemic should not have to worry whether receiving utility assistance would result in additional tax liability or a decrease in other tax benefits. Additionally, without immediate action, the provision of such assistance to those most in need could be delayed unnecessarily as agencies manage these tax implications.

We appreciate the IRS's attention to this matter and ask that you work swiftly to provide clarity to those carrying out and receiving assistance through these programs. Thank you for your continued partnership in supporting a strong, equitable economic recovery.

Sincerely,



John Garamendi
Member of Congress



Alex Padilla
United States Senator



Mike Thompson
Member of Congress



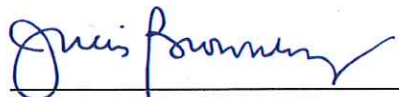
Dianne Feinstein
United States Senator



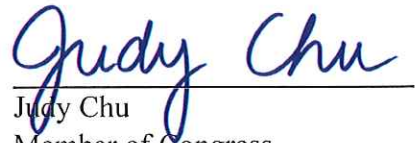
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Member of Congress



Pete Aguilar
Member of Congress



Julia Brownley
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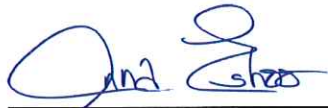
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Jerry McNerney
Member of Congress



Jimmy Panetta
Member of Congress



Lucille Roybal-Allard
Member of Congress



Adam B. Schiff
Member of Congress



Eric Swalwell
Member of Congress



Norma J. Torres
Member of Congress

There are no support materials for this item.

CLOSED SESSION:

22. CONFERENCE WITH LABOR NEGOTIATOR PURSUANT TO GOVERNMENT CODE 54957.6:
District Negotiator: General Manager
Employee Organization: District Employees