



*Dedicated to
Satisfying our Community's
Water Needs*

**AGENDA
MESA WATER DISTRICT
BOARD OF DIRECTORS
Tuesday, October 27, 2020
1965 Placentia Avenue, Costa Mesa, CA 92627
3:30 p.m. Adjourned Regular Board Meeting**

BOARD OF DIRECTORS COMMITTEE MEETING

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

CALL TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

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

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

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

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

CONSENT CALENDAR ITEMS:

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

1. 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.



ACTION ITEMS:

11. METER TECHNOLOGY PILOT PROJECT:

Recommendation: Recommend that the Board of Directors amend W.A. Rasic Construction Company, Inc.'s on-call contract for an additional \$674,550 and a 10% contingency of \$67,455 for a total contract amount not to exceed \$892,005 for the Meter Technology Pilot Program.

PRESENTATION AND DISCUSSION ITEMS:

12. INFORMATION TECHNOLOGY DATA CENTER:

Recommendation: Recommend that the Board of Directors:

- a. Award a five-year contract to Amazon Web Services in the amount of \$132,000 per year for a total contract amount not to exceed \$660,000 for a cloud-based data center services platform.**
- b. Award a contract to T2 Technology Group, LLC for an amount not to exceed \$835,452 for the transition of the onsite information technology data center to a cloud-based data center.**
- c. Approve an additional amount not to exceed \$175,000 for infrastructure, license subscription, and circuit connection to Amazon Web Services.**

REPORTS:

13. REPORT OF THE GENERAL MANAGER

14. DIRECTORS' REPORTS AND COMMENTS

INFORMATION ITEMS:

15. STATEMENT OF INVESTMENT POLICY

16. OTHER (NO ENCLOSURE)

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

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

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

ADJOURN TO AN ADJOURNED REGULAR BOARD MEETING SCHEDULED FOR TUESDAY, NOVEMBER 10, 2020 AT 8:00 A.M.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0013-20-01	3175 Airway Avenue	Homeless Shelter	Plans received on 5/10/20 and plan check fees are waived. Application for New Service received on 5/4/20. 1st Plan check submitted on 5/8/20 and redlines returned on 5/10/20 after required field investigation. 2nd Plan check submitted on 5/14/20 and redlines returned on 5/16/20. 3rd Plan chck submitted on 6/17/20 and redlines returned on 6/19/20. 4th Plan check submitted on 6/22/20 and redlines returned on 6/23/20. Permit issued 7/16/20. Precon held on 9/23/20. Hot Tap completed on 9/24/20. Meters installed on 9/30/20. Backflow tests performed on 10/7/20.
C0013-20-02	570 W. 18th Street	Lion's Park Project	Plans received on 5/21/20 and plan check fees are waived. Application for New Service received on 6/15/20. 1st Plan check submitted on 5/21/20 and redlines returned on 6/23/20 after required field investigation. 2nd Plan check submitted on 10/5/20 and returned on 10/6/20.
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.
C0043-21-01	2032 President Place	CMSD Pump Station	Plan check fees (Not Application) and Application for New Service submitted on 8/18/20. 1st Plan Check submitted on 6/30/20 and returned on 7/4/20. 2nd Plan check submitted on 9/8/20 and returned on 9/12/20.
C0049-18-01	428 E 17th Street	Restaurant	Plans received and plan check fees paid on 1/26/18. Fees paid and permit issued on 5/4/18. Pressure test on 5/25/18. Shutdown for tee cut-in on 6/5/18. One fire service is active, the other is stubbed to property. Awaiting call for fire line pressure test and samples. Water service manifold stubbed to property. Pressure test and Bac-T tests done on 9/7/18, 9/11/18 and again on 9/13/18. Pressure test performed on 10/22/18. Three backflow preventers installed 8/8/19. Three 2" services installed the week of 8/10/20. Meter boxes installed on 8/14/20. Meter installed and locked on 8/19/20. Three backflows tested on 8/24/20. (10/16/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0052-18-01	302 Cabrillo	2 Single Family Homes	Plans received and plan check fees paid on 2/26/18. Fees paid and permit issued on 5/7/18. Awaiting initial calls for inspections. Verified with new property owner on 3/11/19. Cancelling plan check as 1 year without construction has occurred. Precon held on 7/28/20. Meter installed on 8/25/20. Backflow tested on 9/30/20. (10/16/20)
C0053-18-01	1908 Tustin	Single Family Home	Plans received and plan check fees paid on 3/8/18. Fees paid and permit issued on 3/13/18. Meter upgraded on 4/15/19. Contacting Owner to schedule flow thru test. (10/16/20)
C0056-18-01	2033 Republic Avenue	Single Family Home Service & Meter Upgrade	Plans received and plan check fees paid on 6/19/18. Comments returned for 2nd plan check review on 6/28/18. 2nd plan check submitted 7/26/18, and redlines returned on 8/20/18. 3rd plan check submitted on 12/13/18, and redlines returned on 1/15/19. Fourth and final plan check submitted on 1/24/19, and redlines returned on 1/29/19. Final approval by District Engineer on 4/18/19. Final permit fees paid on 4/18/19. Permit issued on 4/30/19. Revised drawings issued 7/1/19 and returned 7/1/19. Precon held on 9/4/19. Hot tapping completed on 10/28/19. Final abandonments completed on 5/1/20. Meter installed on 6/3/20. (10/16/20)
C0058-19-01	585 & 595 Anton Boulevard (P2)	Apartment Complex	Plans received and plan check fees paid on 2/5/19. Customer picked up redlines on 2/8/19. 2nd plan check submitted 3/11/19, and redlines returned on 3/25/19. Hydraulic Analysis received on 4/5/19. Received Water Service Agreement on 4/30; Final permit fees paid on 5/8/19. Permit issued on 5/8/19. Precon meeting held on 5/16/19. Waiting for revised Easements and Quit Claims regarding legal entities. Services installed 6/28/19. Pressure tests done on 7/2/19, Bac-T tests done on 7/8/19. Fireline charged on 9/12/19. Mesa Water staff removed two fire hydrants from jobsite on 9/18/19. Pipeline installed on 11/19/19. Raised valve can to grade on 4/22/20. Construction is ongoing. (9/11/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0063-19-01	1375 Sunflower	Commercial Building	Plans received and plan check fees paid on 12/14/18. Customer picked up redlines on 12/31/18. 2nd plan check submitted on 1/11/19, and redlines returned on 1/29/19. 3rd plan check submitted on 1/31/19. Final permit fees paid on 6/20/19 and permit issued on 6/25/19. Precon held on 1/10/20. Mainline excavation done on 1/14/20. Pipeline installed on 1/16/20. Raised service line to grade and installed 3" Domestic meter on 5/5/20. Two (2) 2-inch services found to be abandoned and Contractor requested letter with direction from Mesa Water. Abandonment of existing meter and install of new 4" meter on 5/28/20. Meters installed on 7/14/20. Another PreCon meeting held for multiple utilities on 7/29/20. (10/16/20)
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 quickclaim exemption on 10/9/20.
C0072-19-01	168 & 170 Cabrillo	Two Single Family Homes	Plans received and plan check fees paid on 1/14/19. Customer picked up redlines on 1/24/19. Customer submitted 2nd plan check on 5/9/19. 2nd plan check submitted on 5/13/19 and redlines returned on 5/20/19. Final permit fees paid on 9/26/19. Permit issued on 10/3/19. Precon meeting held on 1/9/20. Installed services and abandoned old service on 2/3/20. Meters installed and locked on 3/16/20. Inspector visited site on 9/22 to verify construction was still ongoing. (9/11/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0079-19-01	1957 Newport Boulevard	38 New Townhomes	Plans received and plan check fees paid on 2/5/19. Customer picked up redlines on 2/27/19. Meeting on 3/5/19 with customer to discuss easement. 2nd plan check was submitted on 4/23/19 and redlines to be picked up on 5/6/19. 3rd plan check submitted on 5/16/19. Permit approved on 8/23/19. Precon held on 9/3/19. Shutdown to tie in tee & valve service line placement and pipeline installation completed on 9/11/19. Services installed on 10/2/19 and 10/2/19. Pressure test performed on 10/9/19. Hot tapping completed on 10/14/19. Shutdown to tie-in valves on 10/24/19. Meters installed on 12/23/19. Backflow tested on 1/10/20. First phase of meters installed and locked on 2/26/20, 2/27/20, and again on 3/23/20. Backflow tested on 4/21/20. Inspector visited site for update on 7/13/20. Flow Thru tests completed on 10/5/20, and 10/13/20 on 18 meters only.
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.
C0101-19-01	1275 Bristol Avenue	Car Dealership	Plans received and plan check fees paid on 6/11/19. 1st Plan check submitted 6/11/19 and redlines picked up on 6/18/19. 2nd Plan check submitted on 8/13/19 and picked up on 8/20/19. 3rd Plan check submitted 9/3/19 and returned on 9/10/19. 4th Plan check submitted 1/29/20 and picked up on 2/4/20. Final permit fees paid on 2/10/20. Permit issued on 2/24/20. PreCon held on 3/5/20 and again on 7/24/20. Services installed on 7/24/20. Chlorination swab, flushing, pressure test and health samples done on 7/30/20. Backflow placewd on 8/4/20. Meters installed on 8/5/20. Fireline charged and Backflow tested on 8/6/20. 2" Meter installed and locked off on 9/10/20. Backflow tested on 9/11/20 and failed. Backflow retested on 10/5/20 and passed. Concrete pad inspected on 10/8/20.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0104-19-01	413 E. 20th Street	Single Family Home	Plans received and plan check fees paid on 7/1/19. 1st Plan check submitted 7/1/19 and redlines picked up on 7/1/19. 2nd Plan check submitted on 1/7/20 and redlines emailed on 1/15/20. Permit issued on 4/12/20. Precon held on 9/21/20. Meter upgraded on 10/14/20.
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. Construction is ongoing. (10/16/20)
C0118-20-01	487 Abbie Way	Single Family Home	Plans received and plan check fees paid on 10/14/19. 1st Plan check submitted 10/21/19 and redlines picked up on 10/21/19. Permit approved and final fees paid on 10/22/19. Permit issued on 10/24/19. Reissued inspection card on 6/1/20. Precon meeting held on 6/9/20. Hot-Tap performed on 8/14/20. Shutdown for abandonment and meters installed on 8/18/20. (10/16/20)
C0120-20-01	934 Congress Street	Single Family Home	Plans received and plan check fees paid on 10/28/19. 1st Plan check submitted 10/28/19 and redlines picked up on 11/5/19. 2nd Plan check submitted on 3/11/20, and redlines emailed to customer on 3/18/20. 3rd Plan check submitted on 3/24/20 and redlines remailed to customer on 3/26/20. Customer put project on hold on 3/27/20. Verified construction has started on 5/7/20. Issued water termination letter to Owner on 6/1/20 due to non-responsiveness to complete plan check process. (9/11/20)
C0122-20-01	925 W. 18th Street	Commercial	Plans received and plan check fees paid on 10/28/19. 1st Plan check submitted 10/28/19 and redlines picked up on 10/29/19. 2nd plan check submitted 12/4/19. 3rd Plan check submitted on 1/2/20 and redlines picked up on 1/6/20. Final plan check fees paid on 2/26/20. Inspector did a site pre-survey on 3/4/20. Permit issued on 4/18/20. Construction in progress. (10/16/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0123-20-01	449 W. Bay Street	Commercial	Plans received and plan check fees paid on 11/18/19. 1st Plan check submitted 11/18/19 and redlines picked up on 11/22/19. 2nd Plan check submitted on 1/7/20 and redlines emailed on 1/15/20. Final permit fees paid on 1/28/20, and permit issued on 1/29/20. Precon held on 2/6/20. Inspection scheduled for 3/31/20. Meter installed on 4/17/20. (10/16/20)
C0124-20-01	2209 Fairview Road	Commercial	Plans received and plan check fees paid on 11/18/19. 1st Plan check submitted 11/5/19 and redlines picked up on 11/19/19. 2nd Plan check submitted on 11/21/19 and redlines picked up on 11/27/19. 3rd Plan check submitted on 2/3/20 and redlines returned to customer on 2/4/20. Permit issued on 6/2/20. Precon meeting held on 7/9/20. Mainline and trench excavation inspected on 7/10/20. (10/16/20)
C0125-20-01	3080 Airway Avenue	Commercial	Plans received and plan check fees paid on 11/18/19. 1st Plan check submitted 11/7/19 and redlines picked up on 11/27/19. 2nd Plan check submitted on 1/16/20 and redlines picked up on 2/11/20. Permit issued on 3/6/20. Precon meeting held on 4/28/20. Mainline excavation done on 5/21/20. Construction in progress. (10/16/20)
C0126-20-01	1646 Santa Ana Avenue	Single Family Home	Plans received and plan check fees paid on 11/18/19. 1st Plan check submitted 11/18/19 and redlines picked up on 11/26/19. 2nd Plan Check submitted on 1/2/20 and redlines picked up on 1/6/20. Final fees paid (3/23). Fire protection approval received (4/21). Permit issued 4/27/20. Precon meeting held on 7/22/20. Inspector advised meter relocation on 7/23/20. Gravel base inspections for 10/7/20.
C0128-20-01	901 B South Coast Drive	Commercial	Plans received and plan check fees paid on 11/25/19. 1st Plan check submitted 11/25/19 and redlines picked up on 12/3/19. 2nd Plan check submitted on 2/21/20 and redlines returned on 3/5/20. 3rd Plan check submitted on 3/16/20 and redlines returned on 3/18/20. 4th Plan check submitted on 6/25/20. (10/11/20)
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. (10/11/20)

DEVELOPER PROJECT STATUS REPORT

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FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0131-20-01	1975 Wallace Avenue	6 Unit Apartments	Plans received and plan check fees paid on 11/18/19. 1st Plan check submitted 11/18/19 and redlines picked up on 11/22/19. 2nd Plan check submitted on 12/2/19 and redlines picked up on 12/3/19. Final permit fees paid on 3/6/20 and permit issued on 3/6/20. (10/16/20)
C0135-20-01	3150 Bear Street	College	Plans received and plan check fees paid on 1/21/20. 1st Plan check submitted on 1/21/20 and redlines returned on 2/4/20. (10/11/20)
C0136-20-01	1461 Superior Avenue	Commercial	Plans received and plan check fees paid on 2/26/20. 1st Plan check submitted on 2/26/20 and redlines emailed to customer on 3/6/20. 2nd Plan check submitted on 3/17 and redlines returned on 3/22. 3rd Plan check submitted on 3/25 and redlines returned on 3/26. Issued permit on 4/23/20. Precon meeting held on 5/20/20. Thrustblock placement on 5/29/20. Chlorination/flush and pressure test done on 6/3/20. Backflow tested on 6/8/20. (10/16/20)
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.
C0138-20-01	1966 Wallace Avenue	Five Single Family Homes	Plans received and plan check fees paid on 3/4/20. 1st Plan check submitted on 3/4/20. 2nd Plan check submitted on 3/20/20 and redlines returned on 3/22/20. Issued permit on 6/2/20. (10/16/20)
C0139-20-01	1592 Riverside Place	Two Single Family Homes	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 4/17/20 and redlines returned on 4/18/20. Issued Payment Voucher and Water Service Agreement for payment and signature. Followed up with Owner on 6/25/20, 8/3/20, 9/18/20 regarding status. (10/11/20).
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. Followed up with Owner on 8/15/20 expecting 2nd submittal late October 2020.
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. (10/16/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0143-20-01	359 Nassau Road	Single Family Home	Plans received on 4/23/20 and plan check fees paid on 4/24/20. 1st Plan check submitted on 4/23/20. 2nd Plan check submitted on 5/13/20 and redlines returned on 5/16/20. 3rd Plan check submitted on 9/28/20 and returned on 9/28/20.
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. Permit issued on 7/16/20. (10/16/20)
C0149-20-01	1964 Raymond Avenue	Single Family Home	Application for New Service received on 5/15/20 and plan check fees paid on 6/21/20. 1st Plan check submitted on 6/10/20 and redlines returned on 6/21/20. 2nd Plan check submitted on 6/22/20 and redlines returned on 6/23/20. Issued permit on 7/16/20. (10/16/20)
C0150-20-01	220 E. 21st Street	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. 2nd Plan check submitted on 7/7/20 and redlines returned 7/12/20. Issued permit on 7/29/20. Precon held on 8/14/20. Meter box moved, installed and locked off on 8/27/20. Backflow tested on 9/17/20.
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.
C0151-20-01	2219 Santa Ana Avenue	Single Family Home	Plans received on 7/7/20 and plan check fees paid on 7/7/20. 1st Plan check submitted on 7/7/20 and redlines returned on 7/12/20. 2nd Plan check submitted on 7/17/20 and redlines returned on 7/19/20. Issued permit on 7/29/20. Precon held on 8/11/20. Meter installed on 8/13/20. (10/16/20)
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. Followed up with Owner on 9/18/20 regarding status. (10/11/20)

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0153-21-01	265 Briggs Avenue	Commercial	Plans received on 7/15/20 and plan check fees paid on 6/25/20. 1st Plan check submitted on 7/15/20 and redlines returned on 7/24/20. 2nd Plan check submitted on 8/6/20 and redlines returned on 8/13/20. Issued permit on 8/20/20. Precon held on 9/28/20. Meter installed and locked on 10/6/20. Backflow placement inspected on 10/20/20.
C0155-21-01	451 Cabrillo Street	Single Family Home	Plans received on 7/21/20 and plan check fees paid on 7/21/20. 1st Plan check submitted on 7/22/20 and redlines returned on 7/22/20. 2nd Plan check submitted on 9/29/20 and response submitted on 9/29/20
C0156-21-01	2870 Clubhouse Road	Single Family Home	Plans received on 8/4/20 and plan check fees paid on 8/4/20. 1st Plan check submitted on 8/4/20 and returned on 8/13/20. 2nd Plan check submitted on 9/15/20 and redlines returned on 9/15/20. Permit issued on 9/30/20. Precon held on 10/8/20. Meter installed and locked on 10/14/20.
C0157-21-01	251 E. 20th Street	Single Family Home	Plan check fees paid on 8/5/20 and Application for New Service submitted on 8/5/20. 1st Plan check submitted on 8/5/20 and returned on 8/13/20. 2nd Plan check submitted on 8/19/20 and returned on 8/20/20. Issued permit on 9/17/20. Precon meeting held on 9/22/20.
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.
C0159-21-01	2734 San Lucas Lane	Single Family Home	Plan check fees paid and Application for New Service submitted on 8/14/20. 1st Plan check submitted on 8/18/20 and returned on 8/20/20. 2nd Plan check submitted on 8/25/20 and returned on 8/26/20.
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.
C0161-21-01	1775 and 1781 Monrovia Ave.	Commercial	Plan check fees paid and Application for New Service submitted on 8/27/20. 1st Plan check submitted on 8/20/20 and returned on 8/30/20. 2nd Plan check submitted on 9/21/20 and returned on 9/23/20.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0162-21-01	355 E. 19th Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 8/27/20. 1st Plan check submitted on 8/27/20 and returned on 8/30/20. 2nd Plan check submitted on 9/2/20 and returned on 9/6/20. Issued permit on 9/17/20. Precon meeting held on 10/9/20.
C0163-21-01	South Coast Drive (Fire Hydrant #51)	Commercial	Plan check fees paid 9/1/20. Waiting for Precon with OC405 Partners who are having to coordinate with Caltrans. (10/16/20)
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.
C0165-21-01	2110 Monrovia Ave	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.
C0166-21-01	470 Walnut Place	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.
C0167-21-01	2125 Orange Ave.	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/9/20. 1st Plan check submitted on 9/2/20 and returned on 9/12/20. 2nd Plan check submitted on 9/17/20 and returned on 9/17/20. Issued permit on 9/30/20. Precon meeting held on 10/15/20.
C0168-21-01	3152 Country Club Drive	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/9/20. 1st Plan check submitted on 9/9/20 and returned on 9/12/20. 2nd Plan check submitted on 10/9/20 and returned on 10/9/20.
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.
C0170-21-01	446 Flower Street	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/25/20. 1st Plan check submitted on 9/25/20 and returned on 9/28/20. 2nd Plan check submitted on 9/29/20 and returned on 9/29/20.

DEVELOPER PROJECT STATUS REPORT

PROJECT STATUS - DEVELOPER PROJECTS			
FILE NO.	PROJECT ADDRESS	PROJECT DESCRIPTION	PROJECT NOTES/STATUS
C0171-21-01	1719 Samar Drive	Single Family Home	Plan check fees paid and Application for New Service submitted on 9/25/20. 1st Plan check submitted on 9/25/20 and returned on 10/3/20. 2nd Plan check submitted on 10/6/20 and returned on 10/6/20.
C0172-21-01	377, 379, 385 and 387 La Perle Place	4 Single Family Homes	Application for New Service submitted on 10/9/20 and waiting for Plan check fees to arrive via check. 1st Plan check submitted on 10/9/20 and returned on 10/12/20.

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

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. (10/14/20)

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

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 are planned to be collected and sent for wall thickness measurements as part of routine valve replacements in April 2019. 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 detection and could not replicate the suspected leak. Seven AC pipe samples collected by staff during valve replacements and break responses are being prepared for wall thickness measurement, EDS testing, and remaining useful life estimates. (10/15/2020)

Project Title: Chandler & Croddy Wells and Pipeline Project

File No.: M18-113

Description: Design, documentation, and permitting for 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: Tetra Tech has been contracted to complete the design, documentation, and permitting for the Chandler and Croddy Wells and Pipeline Project. Initial data request sent to Tetra Tech on September 7, 2017. Met with Division of Drinking Water regarding well locations on September 20, 2017. Preliminary hydrological evaluation received on September 29, 2017. Board approved demolition of existing structures and dedicated well facility with option to evaluate long-term lease potential as market conditions dictate at both sites at November 2017 E&O. Butier Engineering has been contracted to provide Construction Management Services. Preliminary Design Report (PDR) for the distribution pipeline was reviewed and returned on March 6, 2018. Well site layouts were presented to the Board in May. DDW waiver for 50-foot control zone is currently being drafted. The revised PDR for the pipeline and the well sites was received in June 2018. A workshop to discuss review comments was held on August 14, 2018. 50% design for the Croddy Pipeline was received and the design review workshop occurred on November 26, 2018. 50% design for the wells is scheduled for submittal in February 2019. The draft CEQA Mitigated Negative Declaration was received on January 22, 2019, and filed for 30-day public comment on February 20, 2019 and completed on

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

March 22, 2019. Four agencies submitted minor comments. A public meeting to adopt the Mitigated Negative Declaration has been noticed for the April 11, 2019 Board of Directors meeting. The revised Preliminary Design Report for the Chandler and Croddy Wells was received on March 5, 2019. 50% design documents for the existing building demolitions and well drilling were received on April 16, 2019. 50% design documents for well equipping were received on September 9, 2019 and reviewed by staff. The design team met on October 7, 2019, to review design options for the Croddy Pipeline. A corrosion potential report for the Croddy pipeline alignment was received on December 23, 2019, and reviewed by staff. A design team workshop was held on February 13, 2020. 90% design deliverables for building demolition and well drilling were received on February 11, 2020 and February 28, 2020, and were reviewed by staff. Well equipping package 90% design package was received in September 2020 and was reviewed by staff. A well equipping workshop is being scheduled for October 2020. Site demolition request for bids was released on May 21, 2020. The Board approved a contract with the low bidder, Standard Demolition, Inc., on July 9, 2020. Demolition of is complete and Standard Demolition demobilized on October 14, 2020. Well Drilling Request for bid was released on June 18, 2020A contract award for well drilling was made to the low bidder, Zim Industries bda Bakersfield Well and Pump (BWP) at the August 13, 2020 Board meeting. A preconstruction meeting for drilling was held on September 2, 2020. Permits for well drilling were received from Orange County Heath Care Agency (OCHCA) on October 7, 2020. Mobilization for drilling at the Croddy Well 14 site started on October 12, 2020. Construction of sound walls is in process, with drilling expected to start in 2-3 weeks. The encroachment permit applications for the pipeline were submitted to the City of Costa Mesa and Santa Ana. Permit comments from both cities have been received and addressed, and permit applications have been resubmitted. (10/15/2020)

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: Mesa Water prepared a Technical Memo with information of the existing aging metering technology in comparison with proposed new meter reading solutions. The Technical memo was presented to the April E&O Committee and approved by the Board at the May 2019 Board meeting. Recommendations approved by the Board for early implementation include ensuring competitive pricing from the standardized meter supplier, making cellular endpoint meters available to customers who wish to have access to real-time water use data, and working with the meter reading software vendor to configure a software upgrade. Staff has compiled the total installed cost of the cellular endpoint meters and presented an implementation plan to the Engineering and Operations Committee on August 20, 2019. Staff also negotiated a contract with

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

National Meter and Automation for preferred customer pricing and limiting annual price escalation, and presented the contract to the Engineering and Operations Committee on August 20, 2019. Staff is working with Badger Meter and Cogsdale to add cellular endpoints to large customer meters to automate meter reading and billing. Staff evaluated each Route 600 meter and vault for meter, register, and end point replacement to assist with installation activities. The first set of cellular endpoints were installed on February 26, 2020. The data is being received by Badger's Beacon system. Route 600 meter vaults were evaluated for construction challenges. Two sites were identified for attempting challenging replacements with and without vault demolition. A proposal was received from Badger on April 28, 2020, for upgrading meter reading field tools and is being evaluated. A proposal was requested from Sprypoint on April 29, 2020 to integrate traditional meter reads into the Badger Beacon system. A request for quote for Route 600 meters, registers, and endpoints is in process. A request for bids was sent out the on-call contractors for the installation of the Route 600 Meter Technology Pilot Project Meters. Bids from the on-call contractors were received on October 15, 2020 and reviewed by staff. (10/19/2020)

Project Title: Reservoirs 1 & 2 Chemical Systems Design

File No.: M18-117

Description: Improve disinfection and mixing in both reservoirs to improve water quality and minimize nitrification.

Status: Final Design Contract awarded to Hazen & Sawyer on February 14, 2018. 50% design report received on July 17, 2018. Design review workshop took place in September 2018. A site visit to Laguna Beach County's El Morro reservoirs occurred on November 8, 2018, to evaluate the Vortex mixing system. Staff met with the designer on December 5, 2018, to incorporate design-for-reliability and design-for-maintainability principals into the mixing system design. The consultant provided a Technical Memo summarizing the options for maintainability and reliability of the Vortex mixer system on April 4, 2019. The 90% design deliverable was received on June 4, 2019, and is being reviewed by staff. Per the E&O Committee's request, the Preliminary Design Report describing the basis of this project was included in the October E&O Committee package. The consultant is working with the reservoir management system supplier to use Mesa Water's standardized analytical equipment to maintain disinfectant residual in the reservoirs. 100% design deliverable was received on April 29, 2020 and was reviewed by staff. Revised 100% was received on June 23, 2020 and reviewed by staff. Resolution to final comments is expected to be completed in October 2020. (10/15/2020)

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

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

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 is being reviewed by staff. (10/15/2020)

Project Title: Mesa Water® Education Center Project

File No: M20-105

Description: MWRF Outreach Center and Storage Facility

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 to provide professional design services and construction support services for the MWRF Outreach Center. The scope of work also incorporates the design of a MWRF spare parts storage building (located at the MWRF) and wells spare parts storage building (located at Well 9 or other well site) as part of the design services. Board approved this item at its 4/9/2020 Board Meeting. The pre-design kick-off meeting was held on 4/27/20. Conceptual design reviewed on 6/10/20 and preliminary cost estimate discussed on 7/9/2020. At the August 25, 2020 Committee Meeting the Mesa Water® Education Center building concept was approved by the Board. Additionally, a contract was awarded to Mad Systems for the exhibit design. On September 17, 2020 a final design kick-off meeting was held with the architect and exhibit design teams. On October 6, 2020, the Mesa Water® team toured the Albert Robles Center for Water Recycling and Environmental Learning with Mad Systems. On October 15, 2020 the design team held a site visit at the MWRF to discuss landscaping and courtyard concepts. (10/20/20)

Project Title: Well 1 Sound Mitigation Enclosure Project

File No: M17-100

Description: Install Well 1 Noise Mitigation Enclosure

Status: In January 2020, Mesa Water's design Consultant completed the design, specifications, and bid package for Well 1 Noise Mitigation Enclosure. Mesa Water invited eight prospective contractors for a site visit (March 9, 2020) and a request to submit a bid. Bids closed on March 17, 2020, and one bid was received from Paulus Engineering. The Board approved this item at the April 9, 2020 Board Meeting. Project in progress. (10/14/20)

Project Title: MWRF Parking Project

File No.: M20-105

Description: Construct Parking on Gisler Avenue

Status: The Board approved Alternative No. 3 Parking option along Gisler Ave. on 3/15/2014. E & O Committee accepted the conceptual design (by NV5 former Civil Source) and provided comments at the May 2015 E&O Committee Meeting. An

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

Encroachment Permit was received from the City of Costa Mesa in September 2016. The final bid package was completed 3/15/16. Board approved the Hold Harmless Agreement for the Installation of off-site parking improvements within public right-of-way at the August 2016 E&O Committee Meeting. Agreement sent to the City for execution and recording on 9/7/16. Recorded Agreement received from the City on 10/19/16.

Request for Bids sent out to contractors on February 25, 2020. Two bids received on 3/24/20. Board awarded contract to the lowest bidder (GMC Engineering, Inc.) on 4/9/20. The City of Costa Mesa Encroachment/Traffic Permit received on 5/21/20. Construction started on 6/29/20 and completed 8/20/20. The 180-Day Landscape & Irrigation Maintenance period started on 8/21/20 and will end on 2/17/21. Project in progress. (10/14/20)

Project Title: Wilson Avenue 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. The Preliminary Design Report providing alternative pipeline layout submitted for review on 10/12/20. Design in progress. (10/14/20)

Project Title: Mainline Valve Replacement Project

File No.: M21-001MV

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 are being prepared and will be sent to on-call design consultants the week of October 19, 2020. (10/20/20)

Project Title: Water and Energy Supply Chain Reliability Study

File No.: M21-210B

Description: The study will evaluate Mesa Water®'s water and energy supplies and backup capabilities under normal and emergency operations, identify potential water and energy supply reliability gaps, evaluate Mesa Water®'s supply chain system relative to emergency readiness, and provide recommendations to improve water and energy supply reliability.

Status: A scope of work and request for task order proposals were sent to on-call design consultants on June 5, 2020. Five task order proposals were received on June 19, 2020. Brown and Caldwell was selected to perform the study. The project Kick-off

MESA WATER AND OTHER AGENCY PROJECTS STATUS REPORT

October 2020

Meeting and site visits were held the week of July 27, 2020. The draft version of TM-1 Water Supply Reliability was received on August 21, 2020. The project team held Single-Point of Failure meetings on September 14 and 21 to evaluate single-points of failure and criticality of the failure for the clear wells and MWRF. The draft version of TM-2 Energy Supply Reliability Assessment was delivered on September 15, 2020. The final version of TM-1 was received on October 5, 2020. The project team is currently working to resolve comments and questions regarding TM-2 and TM-3. The anticipated delivery date for the final version of TM-2 and draft version of TM-3 is the week of October 26, 2020. (10/20/20)

Water Quality Call Report

September 2020

Date: 9/2/2020
Source: Phone
Address: 931 W. 18th Street
Description: Customer reported discolored water.

Outcome: Water cleared up and customer was advised to flush his lines. Crews were exercising valves in the area, which may have been a contributing factor.

Date: 9/15/2020
Source: Phone/Visit
Address: 412 Enclave Circle, #109
Description: Customer called to report discolored water and high concentrations of chlorine.

Outcome: Took sample from outside hose bib and chlorine residual was within normal range and the water was clear. Customer showed staff the discolored water sample she collected earlier. Asked the customer to call back should the discolored water return. Customer called a few hours later saying that the discolored water had returned. Distribution standby went out and flushed the hydrants to clear up any discolored water left in the line. The discolored water may have been caused by an onsite plumber working on their water system.

Date: 9/15/2020
Source: Phone/Visit
Address: 400 Enclave Circle
Description: The Service Manager for the residents at the Enclave homes called on behalf of several tenants regarding concerns with discolored water.

Outcome: Explained to the Service Manager about the site visit to 412 Enclave Circle, which was also in the same community, and let her know that the water had cleared up. She was fine with the response and did not want any further site visits. On 9/18/20, the Service Manager called again and reported customers experiencing discolored water. Staff let the Manager know they were responding to a call at 432 Enclave Circle regarding discolored water and that the water had cleared up. The discolored water may have been caused by an onsite plumber working on their water system.

Date: 9/18/2020
Source: Phone/Visit
Address: 432 Enclave Circle
Description: Customer called to report discolored water and had concerns about its safety.

Outcome: The discolored water has cleared up by the time staff arrived. The water from the outside hose bib was clear and had chlorine residual within normal range. The discolored water was also tested for chlorine residual and was also within normal range. Assured customer the water was safe. The discolored water may have been caused by an onsite contractor working on their water system.

Date: 9/25/2020
Source: Phone/Visit
Address: 412 E. 18th Street
Description: Customer reported rusty colored water from the toilet and bathrooms causing rust color on hand towels and toilet area.

Outcome: The water sample taken from the outside hose bib was clear and chlorine residual was within normal range. Customer collected a sample from the bathroom and it was also clear with no rust.

Date: 9/28/2020
Source: Phone/Visit
Address: 270 E. Baker Street, #300
Description: Customer reported "sulfur" odor from all internal faucets/outlets.

Outcome: Sampled water from the outside hose bib. The pH and chlorine residuals were within normal range and no sulfur odor was observed. Water collected from a faucet inside the building had sulfur odor which indicates the odor issue was caused by the customer's internal plumbing system.

Water Operations Status Report
July 1, 2020 - September 30, 2020

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	35	880	676	\$18,622	\$15,612
WD-0102 - HYDRANT PAINTING	HYDRANTS	4	0	110	2	\$1,546	\$125
WD-0103 - HYDRANT REPAIR	HYDRANTS	10	13	15	22	\$3,765	\$10,409
Program 01 TOTAL		60	48			\$23,933	\$26,146
02 - VALVES							
WD-0201 - DISTRIBUTION VALVE MAINTENANCE	VALVES	31	48	625	927	\$13,936	\$22,167
WD-0202 - NIGHT VALVE MAINTENANCE	VALVES	0	0	0	0	\$0	\$0
Program 02 TOTAL		31	48			\$13,936	\$22,167
03 - METERS							
CS-0301 - NEW METER INSTALLATION	METERS	2	2	25	19	\$10,476	\$10,167
CS-0302 - RAISE REPLACE METER BOX	BOXES	2	1	20	4	\$875	\$216
CS-0303 - METER LEAK INVESTIGATION/REPAIR	INV/REP	5	5	80	52	\$2,153	\$2,047
CS-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	8	13	20	32	\$4,985	\$5,191
CS-0306 - LARGE METER TEST/REPAIR - C	TESTS	6	0	29	0	\$2,363	\$0
WD-0305 - ANGLE STOP/BALL VALVE REPLACE	REPLACE	7	5	14	10	\$4,319	\$2,089
Program 03 TOTAL		30	25			\$25,171	\$19,710
04 - MAIN LINES							
WD-0401 - MAIN LINE REPAIR	REPAIRS	26	19	5	4	\$15,860	\$11,614
WD-0402 - AIR VAC MAINTENANCE/REPAIR	REPAIRS	5	0	29	0	\$1,890	\$0
Program 04 TOTAL		31	19			\$17,750	\$11,614
05 - SERVICE LINES							
WD-0501 - SERVICE LINE REPAIR	REPAIRS	15	22	6	7	\$7,641	\$16,345
Program 05 TOTAL		15	22			\$7,641	\$16,345
06 - CAPITAL							
CAP-MTPP - METER TECH PILOT PROGRAM	HOURS	0	6	0	56	\$0	\$2,780
CAP AV - CAPITAL AIR VACUUM REPLACE	AIR VACS	0	0	0	0	\$0	\$0
CAP BI - CAPITAL BYPASS & METER INSTALL	REPLACE	0	0	0	0	\$0	\$0
CAP FH - CAPITAL HYDRANT UPGRADE	HYDRANTS	26	82	4	13	\$25,394	\$77,396
CAP MV - CAPITAL MAINLINE VALVE REPLACE	VALVES	30	67	5	12	\$23,649	\$55,174
CAP SL - CAPITAL SERVICE LINE REPLACE	SERVICES	10	4	3	2	\$6,350	\$2,535
CAP SS - CAPITAL SAMPLE STATION REPLACE	STATIONS	0	4	0	4	\$0	\$1,834
CAP LM - CAPITAL LARGE METERS	METERS	2	1	13	2	\$5,154	\$1,455
CAP SM - CAPITAL SMALL METERS	METERS	4	3	65	30	\$6,301	\$4,148
Program 06 TOTAL		72	167			\$66,848	\$145,322
TOTAL						\$155,279	\$241,304

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
CAPITAL					
BUTIER CONSULTING ENGINEERS	000001758	09/03/20	A003MWD	M20-105 GISLER PARKING PROJECT	\$36,682.40
		09/03/20	B001MWD	M18-100 CHANDLER & CRODDY PROJ	\$1,400.00
	000001844	09/17/20	B002MWD	M18-100 CHANDLER & CRODDY PROJ	\$17,775.00
	2				\$55,857.40
DITCH WITCH SOUTHERN CALIFORNIA	000001886	09/24/20	352099	DITCH WITCH PARTS	\$943.13
		1			\$943.13
EJ MEYER COMPANY, INC	000001715	09/03/20	1RET	M18-118 OC 44 PIPELINE REHAB	\$1,662.57
		09/03/20	2RET	M18-118 OC 44 PIPELINE REHAB	\$377.05
		09/03/20	3RET	M18-118 OC PIPELINE REHAB	\$1,172.95
		09/03/20	4RET	M18-118 OC PIPELINE REHAB	\$6,919.26
		09/03/20	5RET	M18-118 OC PIPELINE REHAB	\$15,876.59
		09/03/20	6REV2RET	M18-118 OC PIPELINE REHAB	\$52,680.00
		09/03/20	7RET	M18-118 OC PIPELINE REHAB	\$38,381.37
		09/03/20	8RET	M18-118 OC PIPELINE REHAB	\$21,520.86
		09/03/20	9RET	M18-118 OC PIPELINE REHAB	\$4,418.63
		09/03/20	11-REV1RET	M18-118 OC PIPELINE REHAB	\$562.50
		09/03/20	12-REV1RET	M18-118 OC PIPELINE REHAB	\$562.50
		09/03/20	10-REV1RET	M18-118 OC PIPELINE REHAB	\$562.50
		09/03/20	13RET	M18-118 PIPELINE REHAB	\$2,972.07
	1				\$147,668.85
MICHAEL BAKER INTERNATIONAL	000001766	09/03/20	1092774	M17-002A WELL 1 NOISE MITGATON	\$546.00
		09/03/20	1092778	M20-104 ROOF REPLACEMENT	\$6,634.00

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
MICHAEL BAKER INTERNATIONAL	000001833	09/10/20	1093242	M20-004A OC44 APPUR RELOCATION	\$18,663.00
	000001925	09/24/20	1094637	M20-104 ROOF REPLACEMENT	\$1,102.08
		09/24/20	1087531	M20-004A OCC 44APPUR RELOCATN	\$5,935.50
	3				\$32,880.58
Total CAPITAL	7				\$237,349.96
CHECK SIGNATURE EXEMPT					
SOUTHERN CALIFORNIA EDISON CO	000001713	09/03/20	2236281499AU G20	ELECTRICITY - AUGUST 2020	\$181,987.99
	1				\$181,987.99
Total CHECK SIGNATURE EXEMPT	1				\$181,987.99
DEPARTMENT EXPENSE					
4 IMPRINT	000001731	09/03/20	8426728	MWD PROMO ITEMS	\$308.82
	000001794	09/10/20	8436362	MWD PROMO ITEMS	\$732.76
	2				\$1,041.58
AWWA CAL/NEV SECTION	000001777	09/10/20	CERTREIM-W2A2	CERT REIMBURSEMENT W2A2	\$75.00
	1				\$75.00
CA DEPT OF JUSTICE	000001779	09/10/20	462207	PRE-EMPLOYMENT FINGERPRINTS	\$64.00
	1				\$64.00
CALPERS BENEFIT PAYMENTS	0156656	09/03/20	16150059	GASB 68 FEE	\$700.00
	0156657	09/03/20	16144243	SEPT PA HEALTH PREMIUM	\$6,406.34
	0156658	09/03/20	8142020	PPE 8/14/20	\$36,850.89
	0156659	09/17/20	91620	PPE 8/28/20	\$36,871.45
	0156666	09/03/20	16144225	SEPTEMBER HEALTH PREMIUM	\$53,004.03
	5				\$133,832.71
COLONIAL LIFE & ACCIDENT INS	000001722	09/03/20	8892333-0907397	INSURANCE - PPE 08/14/20	\$208.75
	1				\$208.75
EMPLOYMENT DEVELOPMENT DEPT	000001725	09/03/20	L0924810976	UI 04/0120-06/30/20E	\$3,600.00
	000001783	09/10/20	L1905025504	EMPLOYMENT TAX - JUN20	\$2,025.00
	2				\$5,625.00

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
FIRST BANKCARD	0156668	09/14/20	83120	AUGUST 2020 CHARGES	\$4,231.10
	1				\$4,231.10
GOSS ENGINEERING INC	000001892	09/24/20	8327	M17-106 ADMIN/OPS HVAC STUDY	\$2,400.00
	1				\$2,400.00
GUARDIAN	000001730	09/03/20	00430941SEP20	SEP 20 DENTAL INSURANCE	\$5,711.46
	1				\$5,711.46
HOOVER PRINTING	000001761	09/03/20	95216	PRINTING - NEWSLETTER	\$2,494.41
		09/03/20	95085	DESIGN WORK	\$80.00
	1				\$2,574.41
IND HEARING & PULMONARY MGMT	000001795	09/10/20	1319	EMPLOYEE SAFETY TRAINING	\$1,675.00
	1				\$1,675.00
INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS	000001872	09/17/20	15522355	2021 CALENDAR YEAR MEMBERSHIP	\$325.00
	1				\$325.00
INTERNATIONAL PERSONNEL MGMT	000001894	09/24/20	INV-56099-M9Q9P0	FY21 Membership for AW, SL, CS	\$417.00
	1				\$417.00
ORANGE COUNTY EMPLOYEES ASSN	000001875	09/17/20	OCEA PPE 071720	MEMBERSHIP DUES - PPE 07/17/20	\$275.72
		09/17/20	OCEA PPE 073120	MEMBERSHIP DUES - PPE 07/31/20	\$265.68
		09/17/20	OCEA PPE 082820	MEMBERSHIP DUES - PPE 08/28/20	\$265.68
		09/17/20	OCEA PPE 091120	MEMBERSHIP DUES - PPE 09/11/20	\$275.52
	1				\$1,082.60
SHARON D BRIMER	000001901	09/24/20	AUG2020	BOARD MINUTES - AUGUST 2020	\$450.00
	1				\$450.00
SOUTH COAST METRO ALLIANCE	000001837	09/10/20	8072077	FY21 MEMBERSHIP RENEWAL	\$395.00
	1				\$395.00
TASC	000001902	09/24/20	IN1842661	FSA ADMIN FEES - AUGUST 2020	\$167.16
	1				\$167.16

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ULTIMATE STAFFING SERVICES	000001740	09/03/20	13921553	TEMP LABOR, PA, WE 08/23	\$458.32
	000001805	09/10/20	13923928	TEMP LABOR, PA, WE 08/30	\$1,417.93
	000001863	09/17/20	13926251	TEMP LABOR, PA, WE 09/06	\$1,432.54
	3				\$3,308.79
UNION BANK	000001741	09/03/20	1226578	JUL BANK FEES	\$1,039.17
	1				\$1,039.17
VISION SERVICE PLAN - (CA)	000001776	09/03/20	810197328	SEP 20 VISION INSURANCE	\$1,220.19
	000001906	09/24/20	810469223	OCT 20 VISION INSURANCE	\$1,251.71
	2				\$2,471.90
Total DEPARTMENT EXPENSE	29				\$167,095.63
EMPLOYEE CHECKS					
ART HERNANDEZ	000001719	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$183.08
	1				\$183.08
Total EMPLOYEE CHECKS	1				\$183.08
GENERAL AND ADMINISTRATIVE					
24 CARROTS CATERING	000001717	09/03/20	86149	QUARTERLY MGMT MEETING	\$306.31
	1				\$306.31
3505 CADILLAC BLDG K, LLC	000001750	09/03/20	CHEQ00099007 597	10604228 Overpayment	\$154.36
	1				\$154.36
360 BC GROUP INC.	000001756	09/03/20	20447	WEBSITE MIGRATION	\$12,510.00
		09/03/20	20449	PDF & VIDEO ADA COMPLIANCE	\$12,000.00
	000001778	09/10/20	20466	WEBSITE MAINTENANCE - AUG 2020	\$2,000.00
2				\$26,510.00	
ALEXANDER'S METER READING SOLUTIONS	000001753	09/03/20	9930	WARRANTY	\$415.00
	1				\$415.00
ALYSSA BARBERIO	000001913	09/24/20	CHEQ00099007 614	09707614 Cheque Deposits 09707	\$84.20
	1				\$84.20

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ANTONIO Q GUERRERO	000001751	09/03/20	CHEQ00099007 600	06703700 Cheque Deposits 06703	\$149.66
	1				\$149.66
APOLLO PRINTING & GRAPHICS	000001840	09/17/20	261417	PRINTING - BUSINESS CARDS	\$73.27
	1				\$73.27
AQUENT	000001917	09/24/20	190-53888	MARKETING CONSULTANT	\$157.50
	1				\$157.50
BENJAMIN BROWN	000001748	09/03/20	CHEQ00099007 602	03801701 Cheque Deposits 03801	\$27.12
	1				\$27.12
BEST VERSION MEDIA, LLC	000001842	09/17/20	224868-202011	ADVERTISEMENT- MESA VERDE LVNG	\$175.00
	1				\$175.00
BILL DEBERNARDE	000001911	09/24/20	CHEQ00099007 616	07626100 Cheque Deposits 07626	\$226.37
	1				\$226.37
BLUECOSMO SATELLITE COMMUNICATIONS	000001757	09/03/20	BU01248357	SATELLITE PHONE SERVICE	\$93.12
	1				\$93.12
BMC SOFTWARE INC.	000001919	09/24/20	1336854	TRACK IT SOFTWARE SUPPORT	\$4,243.71
	1				\$4,243.71
BOLLAND AND ASSOCIATES	000001843	09/17/20	002	REGULATORY CONSULTING FEE	\$1,900.00
	1				\$1,900.00
BRANDON JORDAN	000001749	09/03/20	CHEQ00099007 599	08109100 Cheque Deposits 08109	\$100.79
	1				\$100.79
BROWN & CALDWELL	000001885	09/24/20	155448	M21-210B WATER SUPPLY ASSESMNT	\$35,148.60
	1				\$35,148.60
CALIFORNIA ADVOCATES INC.	000001845	09/17/20	092058	PROFESSIONAL SERVICES	\$7,000.00
	1				\$7,000.00
CARLY ADAMS	000001822	09/10/20	CHEQ00099007 605	30001032 Cheque Deposits 30001	\$134.67
	1				\$134.67
CCS ORANGE COUNTY JANITORIAL INC.	000001781	09/10/20	79404762	JANITORIAL SUPPLIES	\$101.03

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
CCS ORANGE COUNTY JANITORIAL INC.	000001870	09/17/20	482684	M20-099 DAY PORTER SREVICE	\$3,031.00
		09/17/20	480425	M20-099 DAY PORTER SREVICE	\$3,031.00
	2				\$6,163.03
CINTAS CORPORATION NO.2 DBA CINTAS FIRST AID & SAFETY	000001721	09/03/20	9100725514	WATER OPS SUPPLIES	\$2,564.45
	1				\$2,564.45
CITY OF COSTA MESA	000001712	09/03/20	090120	DISPATCH SERV OCT2013-SEP2020	\$51,450.00
	1				\$51,450.00
CLAUDIA A PETERMAN	000001824	09/10/20	CHEQ00099007607	02501300 Cheque Deposits 02501	\$107.83
	1				\$107.83
CONSTANT AND ASSOCIATES, INC.	000001830	09/10/20	CA2020_540	COMMUNICATIONS PLAN & TRAINING	\$22,102.57
	1				\$22,102.57
DANNY LETNER INC., DBA LETNER ROOFING CO.	000001832	09/10/20	58173	M20-104 WELL 5,9 ROOF REPLCMNT	\$26,944.38
	1				\$26,944.38
DE NOVA HOMES, INC.	000001827	09/10/20	CHEQ00099007610	30001750 Overpayment	\$94.31
	1				\$94.31
DENOVA HOMES, INC.	000001826	09/10/20	CHEQ00099007609	30001984 Overpayment	\$4.27
	1				\$4.27
EAN SERVICES LLC	000001847	09/17/20	25180254	M20-099 TRUCK RENTAL	\$3,939.00
	1				\$3,939.00
EMPLOYEE RELATIONS INC	000001784	09/10/20	88686	PRE-EMPLOYMENT VEHICLE REPORT	\$16.44
	1				\$16.44
EMPOWER	0156662	09/03/20	902201	457 PLAN CONTRIBUTION	\$10,898.03
	0156663	09/03/20	90220	401a PLAN CONTRIBUTION	\$1,028.96
	0156664	09/17/20	91620	457 CONTRIBUTION	\$11,748.90
	0156665	09/17/20	916201	401A CONTRIBUTION	\$1,028.96
		4			
ENERGY ENVIRONMENTAL SOLUTIONS, INC.	000001831	09/10/20	EES-2020-MWDR2-3	ICE ENGINE TEST	\$2,400.00

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$2,400.00
ENTERPRISE FM TRUST	000001887	09/24/20	FBN4039495	AUTO LEASES - SEPTEMBER 2020	\$1,025.68
	1				\$1,025.68
EWING IRRIGATION	000001888	09/24/20	12601127	IRRIGATION SUPPLIES	\$260.11
	1				\$260.11
FIRST ALERT	000001785	09/10/20	20067	INSTALL FUEL PUMP	\$375.00
	1				\$375.00
FM THOMAS AIR CONDITIONING INC	000001786	09/10/20	41517	VFD QUARTERLY MAINTENANCE	\$1,111.00
	000001848	09/17/20	41534	REPAIRS - WELLS	\$1,360.87
	000001889	09/24/20	41577	REPAIRS - WELLS	\$1,726.96
	3				\$4,198.83
FOLEY & MANSFIELD, P.L.L.P.	000001787	09/10/20	2585797	LEGAL FEES - JULY 2020	\$2,497.50
	000001890	09/24/20	2592090	LEGAL FEES - AUGUST 2020	\$1,110.00
	2				\$3,607.50
FRASER COMMUNICATIONS	000001921	09/24/20	020408	DESIGN SERVICES	\$6,900.00
		09/24/20	020409	AD RESIZE	\$225.00
	1				\$7,125.00
FRONTIER COMMUNICATIONS	000001728	09/03/20	17945AUG20	DDS LINE 08/13-09/12	\$108.37
	1				\$108.37
FULL CIRCLE RECYCLING	000001788	09/10/20	25430	RECYCLING SERVICES	\$133.50
	1				\$133.50
GARZA INDUSTRIES	000001729	09/03/20	1901215	OFFICE SUPPLIES	\$3,661.35
	1				\$3,661.35
GEIGER	000001891	09/24/20	4255064	PROMO ITEMS	\$1,422.59
	1				\$1,422.59
GERARD SIGNS & GRAPHICS INC	000001789	09/10/20	29111	DESIGN SERVICES	\$78.88
	1				\$78.88
GLOBAL ENVIRONMENTAL NETWORK INC.	000001849	09/17/20	968033	SAFETY TRAINING	\$945.00
	1				\$945.00
GMC ENGINEERING INC.	000001716	09/03/20	1	M20-105 GISLER PARKING PROJECT	\$722,335.83

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$722,335.83
GREGORY HANOIAN	000001823	09/10/20	CHEQ00099007 606	07419400 Cheque Deposits 07419	\$42.72
	1				\$42.72
HDR ENGINEERING INC	000001792	09/10/20	1200290934	M20-600 DIST SECURITY SYSTEM	\$15,075.00
	1				\$15,075.00
HENKELS & MCCOY, INC.	000001746	09/03/20	CHEQ00099007 601	20071300 Cheque Deposits 20071	\$788.44
	1				\$788.44
HOLLY HEDEMANN	000001915	09/24/20	CHEQ00099007 615	05811300 Cheque Deposits 05811	\$152.11
	1				\$152.11
INFOSEND INC	000001922	09/24/20	177215	CUSTOMER BILLING SERVICE	\$1,438.45
		09/24/20	178076	CUSTOMER BILLING SERVICE	\$1,705.03
	1				\$3,143.48
IXOM WATERCARE INC.	000001732	09/03/20	82381	REPAIR SOLARBEE UNIT	\$1,939.50
	000001895	09/24/20	82253	ANNUAL BEEKEEPER SERVICE	\$12,289.00
	2				\$14,228.50
JEREMY BRODERICK	000001747	09/03/20	CHEQ00099007 598	06124300 Overpayment	\$128.10
	1				\$128.10
JOHN ROBINSON CONSULTING, INC.	000001734	09/03/20	MW202001-01	M20-100 METER TECH IMPLEMENT	\$6,000.00
	1				\$6,000.00
KATHLEEN WORTHAM	000001866	09/17/20	CHEQ00099007 611	02900300 Cheque Deposits 02900	\$33.05
	1				\$33.05
KENNETH NERSTEN	000001912	09/24/20	CHEQ00099007 612	09522500 Cheque Deposits 09522	\$139.95
	1				\$139.95
KLEEN KRAFT SERVICES	000001764	09/03/20	1044972	UNIFORMS, MATS, TOWELS	\$265.03
		09/03/20	1045622	UNIFORMS, MATS, TOWELS	\$217.64
		09/03/20	1043015	UNIFORMS, MATS, TOWELS	\$206.71

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
KLEEN KRAFT SERVICES	000001764	09/03/20	1043676	UNIFORMS, MATS, TOWELS	\$278.20
		09/03/20	1044320	UNIFORMS, MATS, TOWELS	\$183.80
	000001923	09/24/20	1047568	UNIFORMS, MATS, TOWELS	\$211.33
		09/24/20	1046910	UNIFORMS, MATS, TOWELS	\$211.33
		09/24/20	1046265	UNIFORMS, MATS, TOWELS	\$211.33
2					\$1,785.37
LIEBERT CASSIDY WHITMORE	000001855	09/17/20	1503857	PROFESSIONAL SERVICES - JULY	\$441.00
		1			
MICHAEL GIRARD	000001910	09/24/20	CHEQ00099007 613	08513402 Cheque Deposits 08513	\$84.65
		1			
MORAN CONSULTING, INC.	000001896	09/24/20	3688	CS ONGOING SUPPORT	\$2,750.00
		1			
MOUSE GRAPHICS	000001897	09/24/20	436406	PRINTING & DESIGN 8X11 COVER	\$273.15
		1			
MURAKAWA COMMUNICATIONS, INC.	000001736	09/03/20	MESA WATER-2	M20-109 PUBLIC OUTREACH	\$14,350.00
		1			
NV5, INC.	000001798	09/10/20	175759	M20-105 GISLER PARKING PROJECT	\$2,920.00
		09/24/20	179246	M20-105 GISLER PARKING PROJECT	\$920.00
	2				
O'NEIL STORAGE #0481	000001857	09/17/20	2008055	FILE STORAGE - AUGUST 2020	\$141.68
		1			
ORANGE COUNTY HEALTH CARE AGENCY	000001770	09/03/20	IN1229438	CALARP ANNUAL FEES FA0059546	\$1,647.00
		09/03/20	IN1229437	CALARP ANNUAL FEES FA0059545	\$1,883.00
		09/03/20	IN1230346	CALARP ANNUAL FEES FA0023946	\$1,720.00
		09/03/20	IN1229440	CALARP ANNUAL FEES FA0059549	\$1,647.00

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
ORANGE COUNTY HEALTH CARE AGENCY	000001770	09/03/20	IN1229439	CALARP ANNUAL FEES FA0059547	\$1,647.00
		09/03/20	IN1226887	CUPA, HAZ WASTE FFES FA0024284	\$415.00
		09/03/20	IN1229441	CUPA, HAZ WASTE FEES FA0059551	\$1,647.00
		09/03/20	IN1225536	CUPA, HAZ WASTE FEES FA0039138	\$262.00
	1				\$10,868.00
ORANGE COUNTY PRINTING	000001769	09/03/20	817651999	DESIGN SERVICES - INSERTS	\$1,185.25
					\$1,185.25
ORANGE COUNTY TREASURER - TAX COLLECTOR	000001856	09/17/20	SC12342	ANNUAL FEE-RADIO SYSTEM	\$395.00
					\$395.00
OSTS INC	000001876	09/17/20	53388	FORKLIFT TRAINING	\$302.50
		09/17/20	53429	CONFINED SPACE TRAINING	\$150.00
					\$452.50
PACIFIC STAR CHEMICAL DBA NORTHSTAR CHEMICAL	000001767	09/03/20	175755	SOD HYPO	\$3,262.31
		09/03/20	175754	SODIUM BISULFITE	\$2,365.00
	000001834	09/10/20	176972	SODIUM BISULFITE	\$2,150.00
		09/10/20	176970	SOD HYPO	\$4,352.66
		09/10/20	176971	SOD HYPO	\$953.23
		09/10/20	176342	SOD HYPO	\$4,325.46
		09/10/20	176343	SOD HYPO	\$997.85
	000001874	09/17/20	177473	SOD HYPO	\$952.15
		09/17/20	177900	SOD HYPO	\$1,951.08
		09/17/20	177902	SOD HYPO	\$211.10
		09/17/20	177901	SOD HYPO	\$1,931.50
		09/17/20	177474	SOD HYPO	\$1,081.63
		09/17/20	177475	SOD HYPO	\$4,352.66
	000001926	09/24/20	177904	SOD HYPO	\$2,176.33
09/24/20		177903	SOD HYPO	\$1,849.88	
	4				\$32,912.84
PETE'S ROAD SERVICE	000001858	09/17/20	437301-00	TIRE REPAIR	\$407.84
					\$407.84

Payment Listing by Class

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
PROCARE WORK INJURY CENTER (DBA)	000001877	09/17/20	296547	MEDICAL SERVICES	\$286.82
		09/17/20	297263	MEDICAL SERVICES	\$120.00
	1				\$406.82
QUADIENT FINANCE USA, INC	000001861	09/17/20	5780AUG20	POSTAGE - AUGUST 2020	\$500.00
	1				\$500.00
RAYNE WATER SYSTEMS	000001802	09/10/20	30486SEP20	SOFT WATER SERVICE SEP 20	\$41.42
	1				\$41.42
RONEE SALTER	000001914	09/24/20	CHEQ00099007 617	00903901 Cheque Deposits 00903	\$133.04
	1				\$133.04
RYAN LANG	000001821	09/10/20	CHEQ00099007 604	00412300 Cheque Deposits 00412	\$63.54
	1				\$63.54
SEGERSTORM & SONS	000001882	09/24/20	REBATE	REBATE	\$80,604.72
	1				\$80,604.72
STEELE TILE, INC.	000001825	09/10/20	CHEQ00099007 608	04920021 Overpayment	\$20.42
	1				\$20.42
T2 TECHNOLOGY GROUP, LLC	000001714	09/03/20	00307228	M18-120A COMP 3 SUPPORT	\$43,820.00
		09/17/20	3844	SOLAR WINDS ANL MAINTENACE	\$6,212.56
		09/17/20	3843	CLOUD CONNECT PACKAGE	\$410.40
	2				\$50,442.96
THEODORE ROBINS FORD	000001773	09/03/20	C41420	AUTO REPAIRS & MAINTENANCE	\$67.63
		09/03/20	C40236	AUTO REPAIRS & MAINTENANCE	\$5,327.47
	000001879	09/17/20	C39219	AUTO REPAIRS & MAINTENANCE	\$1,139.74
		09/17/20	C38849	AUTO REPAIRS & MAINTENANCE	\$1,000.03
		09/17/20	C37722	AUTO REPAIRS & MAINTENANCE	\$125.00
	000001903	09/24/20	C41706	AUTO REPAIRS & MAINTENANCE	\$4,127.63
	3				\$11,787.50

Payment Listing by Class

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
THYSSENKRUPP ELEVATOR	000001804	09/10/20	3005469896	ELEVATOR MAINTENANCE 9/1-11/30	\$2,386.42
	1				\$2,386.42
TIME WARNER CABLE	000001739	09/03/20	0679649081820	INTERNET - MWRF	\$324.98
		09/03/20	1524356081520	INTERNET - MWRF	\$204.98
	000001904	09/24/20	0012934090320	INTERNET - DISTRICT	\$349.37
	2				\$879.33
UNIVERSAL WASTE SYSTEMS, INC	000001742	09/03/20	0000725873	WASTE REMOVAL - SEPTEMBER	\$87.00
	1				\$87.00
VERIZON WIRELESS	000001743	09/03/20	9860920737	MOBILE INTERNET 07/17-08/16	\$5,886.76
	1				\$5,886.76
VORTEX INDUSTRIES, INC	000001907	09/24/20	09-1421920	GATE REPAIR - MWRF	\$4,157.61
	1				\$4,157.61
WASTE MANAGEMENT OF OC	000001809	09/10/20	0386618-2515-8	TR CONTAINER RENTAL SEP20	\$1,134.25
		09/10/20	7950409-0149-3	TR CONTAINER RENTAL SEP20	\$465.00
	1				\$1,599.25
WATER SYSTEMS CONSULTING, INC.	000001908	09/24/20	4936	PROJECT RISK & EMERGENCY	\$6,602.50
	1				\$6,602.50
WESTERN EXTERMINATOR COMPANY	000001865	09/17/20	8415208	PEST CONTROL - MWRF	\$92.50
		09/17/20	8435587	PEST CONTROL - DISTRICT	\$92.50
	1				\$185.00
YORKE ENGINEERING, LLC	000001745	09/03/20	23024	AQ & ES COMPLIANCE ASSISTANCE	\$4,543.38
	1				\$4,543.38
Total GENERAL AND ADMINISTRATIVE	103				\$1,242,614.75
RETIREE CHECKS					
ALAN COOK	000001718	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$98.83
	1				\$98.83
COLEEN L MONTELEONE	000001723	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$245.00

Payment Listing by Class

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Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$245.00
DIANA LEACH	000001724	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$271.06
	1				\$271.06
JOHN CERNEK	000001733	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$66.28
	1				\$66.28
LORI MULLER	000001735	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$98.56
	1				\$98.56
PATTI REYNOLDS	000001737	09/03/20	090120	SEP 2020 INSURANCE SUBSIDY	\$1.06
	1				\$1.06
Total RETIREE CHECKS	6				\$780.79
VARIOUS					
AC POZOS ELECTRIC CORPORATION	000001752	09/03/20	ACP2020-1142	ELECTRICAL REPAIRS	\$375.00
	000001838	09/17/20	ACP2020-1154	ELECTRICAL REPAIRS	\$391.16
	2				\$766.16
AMAZON BUSINESS	000001754	09/03/20	1LX6-YQ19-3TD6	OFFICE SUPPLIES	\$26.29
		09/03/20	1TH7-F1W9-JQG7	OFFICE SUPPLIES	\$81.85
		09/03/20	1YQQ-7LJ7-FJNK	OFFICE SUPPLIES	\$108.48
		09/03/20	11QJ-V9PK-3W47	OFFICE SUPPLIES	\$49.50
		09/03/20	1QQJ-LY46-VYYG	OFFICE SUPPLIES	\$153.94
		09/03/20	1Y4V-M1JC-MCM1	OFFICE SUPPLIES	\$161.57
		09/03/20	1RVT-PJMW-VXTM	OFFICE SUPPLIES	\$18.40
		09/03/20	16C3-49LT-L7PG	OFFICE SUPPLIES	\$45.90
	000001867	09/17/20	1T1D-DWXL-3DT3	OFFICE SUPPLIES	\$31.19
	000001916	09/24/20	1GKX-WWP1-CX19	OFFICE SUPPLIES	\$40.56
		09/24/20	19NX-P9HQ-CK3G	OFFICE SUPPLIES	\$10.76
		09/24/20	1VNH-RXGW-K1GM	OFFICE SUPPLIES	\$17.69
		09/24/20	1QQJ-LY46-RM6N	OFFICE SUPPLIES	\$111.73

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	3				\$857.86
AT&T	000001812	09/10/20	8274AUG20	949-722-8274 AUGUST 2020	\$174.43
	000001813	09/10/20	9337SEP20	714-435-9337 SEPTEMBER 2020	\$2,734.06
	000001814	09/10/20	8315SEP20	714-241-8315 SEPTEMBER 2020	\$1,050.29
	000001815	09/10/20	8883SEP20	949-631-8883 SEPTEMBER 2020	\$364.60
	000001816	09/10/20	3066SEP20	960-350-3066 SEPTEMBER 2020	\$4,830.17
	000001817	09/10/20	3044SEP20	949-574-3044 SEPTEMBER 2020	\$2,867.08
	000001818	09/10/20	0926SEP20	949-650-0926 SEPTEMBER 2020	\$1,611.91
	000001819	09/10/20	0779SEP20	330-263-0779 SEPTEMBER 2020	\$1,594.63
	000001820	09/10/20	9024SEP20	339-264-9024 SEPTEMBER 2020	\$351.43
	000001883	09/24/20	4054001SEP20	030 203 4054 001 SEPT 2020	\$88.97
	10				\$15,667.57
BEHRENS AND ASSOCIATES, INC.	000001884	09/24/20	RI13048	SOUND PANEL RENTAL	\$1,551.60
	1				\$1,551.60
CAROLLO ENGINEERS	000001720	09/03/20	0188780	E400-0012 GIS HYDRAULIC MODL	\$16,721.00
	000001829	09/10/20	0190183	E400-0012 GIS HYDRAULIC MODL	\$792.00
		09/10/20	0190262	M21-220C VALVE SPACING	\$9,274.25
	000001846	09/17/20	0187861	E400-0012 GIS HYDRAULIC MODL	\$9,113.00
	3				\$35,900.25
CASH/ FIELD PETTY CASH	0156667	09/30/20	082620	PETTY CASH FIELD 08/26/20	\$1,151.93
	1				\$1,151.93
CLIENT FIRST CONSULTING GROUP	000001759	09/03/20	11699	PROCUREMENT PROCESS REVIEW	\$1,442.50
	1				\$1,442.50
DION & SONS, INC	000001920	09/24/20	757622	GASOLINE	\$7,497.20
		09/24/20	757623	DIESEL FUEL	\$1,132.80

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	1				\$8,630.00
ELITE EQUIPMENT	000001726	09/03/20	40583	REPAIRS	\$1,693.93
	1				\$1,693.93
GRAINGER	000001790	09/10/20	9634028758	SAFETY TOOLS & EQUIPMENT	\$79.06
	000001850	09/17/20	9638353194	SAFETY TOOLS & EQUIPMENT	\$25.34
	2				\$104.40
HACH COMPANY	000001760	09/03/20	12069560	WATER QUALITY SUPPLIES	\$4,223.81
		09/03/20	12073981	WATER QUALITY SUPPLIES	\$381.44
	000001791	09/10/20	12082470	WATER QUALITY SUPPLIES	\$345.93
	2				\$4,951.18
HANKS ELECTRICAL SUPPLIES	000001851	09/17/20	505426126	ELECTRICAL SUPPLIES	\$258.56
	1				\$258.56
HASHTAG PINPOINT	000001852	09/17/20	1271	STRATEGIC COMMUNICATIONS	\$4,000.00
	1				\$4,000.00
HRCHITECT	000001893	09/24/20	2020-0560	M18-110 HRIS SYSTEM CONSULTANT	\$700.00
	1				\$700.00
HUB AUTO SUPPLY	000001871	09/17/20	195933	AUTO SUPPLIES	\$79.69
		09/17/20	195279	AUTO SUPPLIES	\$72.25
	1				\$151.94
LEWIS CONSULTING GROUP	000001765	09/03/20	2020-133	GOV'T RELATIONS SERVICES	\$5,000.00
	1				\$5,000.00
MEYERS NAVE	000001797	09/10/20	2020070469	E200-0001 MATTER 1893.003	\$6,505.36
	1				\$6,505.36
ORANGE COUNTY HOSE CO	000001768	09/03/20	158423	WATER HOSE & FITTINGS	\$14.65
		09/03/20	158626	WATER HOSE & FITTINGS	\$25.00
	1				\$39.65
SOUTHERN CALIFORNIA GAS CO	000001803	09/10/20	05060829008AU G20	NATURAL GAS, WELL 5, AUG 2020	\$12,329.41

Payment Listing by Class

9/1/2020 - 9/30/2020

SOUTHERN CALIFORNIA GAS CO	000001927	09/24/20	05200799004SE P20	NATURAL GAS RES 2, SEPT 2020	\$1,683.61
		09/24/20	08940813002SE P20	NATURAL GAS, RES 1, SEP 20	\$803.37
		09/24/20	08520813000SE P20	NATURAL GAS DISTRICT SEP 20	\$46.17
	2				\$14,862.56
SPRYPOINT SERVICES INC	000001860	09/17/20	INV-0553	M21-100 SPRYENGAGE SUBSCRIPTON	\$14,300.00
	000001928	09/24/20	PS010269	COGSDALE SUPPORT	\$7,800.00
		09/24/20	INV-0552	M21-101, M21-100, CONSULTING	\$10,500.00
	2				\$32,600.00
THE HOME DEPOT COMMERCIAL ACCT	000001793	09/10/20	1915AUG20	TOOLS & EQUIPMENT	\$1,014.66
		1			\$1,014.66
TYCO/ JOHNSON CONTROLS	000001862	09/17/20	10456809	QUARTERLY SECURITY SERVICE	\$8,479.49
		1			\$8,479.49
UNITED INTERIORS	000001864	09/17/20	4910	FURNITURE	\$14,426.84
		1			\$14,426.84
VALLEY POWER	000001775	09/03/20	B42802	RES 2, ENGINE 2 REPAIR	\$2,172.66
		09/03/20	B42746	SERVICE ON RES 2, ENGINE 2	\$3,757.51
		1			\$5,930.17
VFS FIRE & SECURITY SERVICES	000001905	09/24/20	7642024	FIRE SPRINKLER INSPECTION-QTR	\$250.00
		09/24/20	7642072	FIRE SPRINKLER INSPECTION-QTR	\$250.00
		1			\$500.00
VONAGE HOLDINGS CORPORATION	000001807	09/10/20	907011	TELEPHONE SERVICES	\$10,423.03
		1			\$10,423.03
WECK ANALYTICAL ENVIRONMENTAL SERVICES INC.	000001909	09/24/20	70616	WATER QUALITY ANALYSIS	\$4,151.00
		1			\$4,151.00
WHITTINGHAM PUBLIC AFFAIRS ADVISORS	000001810	09/10/20	000814	SCAQMD CONSULTING	\$1,100.00
		1			\$1,100.00
Total VARIOUS	46				\$182,860.64

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
WATER SUPPLY					
AIRGAS USA LLC	000001839	09/17/20	9973675954	CYLINDER RENTAL	\$181.03
	1				\$181.03
HILL BROTHERS CHEMICAL CO.	000001853	09/17/20	07073847	AMMONIA	\$3,021.96
	1				\$3,021.96
JCI JONES CHEMICAL CO.	000001763	09/03/20	830280	CAUSTIC SODA	\$2,217.06
	000001873	09/17/20	832085	CAUSTIC SODA	\$1,697.26
	2				\$3,914.32
OCWD	0156661	09/09/20	21991	JULY GAP WATER	\$115,586.60
	1				\$115,586.60
SEPARATION PROCESSES, INC	000001900	09/24/20	9894	SUPPORT SERVICES	\$3,629.79
	1				\$3,629.79
TESTOIL	000001738	09/03/20	274205	OIL TESTING	\$528.00
	1				\$528.00
Total WATER SUPPLY	7				\$126,861.70
WATER SYSTEM					
ALS TRUESDAIL LABORATORIES INC	000001774	09/03/20	522003399	WATER QUALITY TESTING	\$44.00
	000001880	09/17/20	522003693	WATER QUALITY TESTING	\$62.00
		09/17/20	522003694	WATER QUALITY TESTING	\$84.00
		09/17/20	522003540	WATER QUALITY TESTING	\$62.00
	2				\$252.00
ARMORCAST PRODUCTS CO	000001841	09/17/20	0209385-IN	METER LIDS	\$24,368.43
	1				\$24,368.43
BADGER METER INC.	000001755	09/03/20	1378141	METERS	\$1,344.75
		09/03/20	1380504	METERS	\$2,511.09
	000001828	09/10/20	1385678	M20-100 METER TECH PILOT	\$4,625.71
	000001868	09/17/20	1387339	METERS	\$2,981.14
		09/17/20	1386320	M20-100 METER TECH PILOT	\$1,845.76
	000001918	09/24/20	1371272	METERS	\$13,231.70
		09/24/20	1389298	METERS	\$441.91
		09/24/20	1388152	METERS	\$1,300.33

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
	4				\$28,282.39
BEACH CITY LIFT INC.	000001869	09/17/20	81797	ANNUAL PM - FORKLIFT #63	\$285.72
		09/17/20	81796	ANNUAL PM - FORKLIFT #64	\$285.72
	1				\$571.44
CLA-VAL	000001780	09/10/20	804868	REPAIRS	\$1,110.00
	1				\$1,110.00
DIG SAFE BOARD	000001782	09/10/20	DSB20194757	DIG SAFE BOARD FEES	\$328.04
	1				\$328.04
EXPRESS PIPE & SUPPLY CO. INC	000001727	09/03/20	S109086480.001	PIPE SUPPLIES	\$242.46
	1				\$242.46
IRVINE PIPE & SUPPLY	000001762	09/03/20	1000745	PIPE FITTINGS AND SUPPLIES	\$49.10
		09/03/20	1000742	PIPE FITTINGS AND SUPPLIES	\$118.07
	000001854	09/17/20	1002248	PIPE FITTINGS AND SUPPLIES	\$270.72
	2				\$437.89
LARRY'S BUILDING MATERIALS	000001796	09/10/20	CM-126617	BUILDING MATERIALS	\$549.53
	000001924	09/24/20	CM-124957	BUILDING MATERIALS	\$30.98
		09/24/20	CM-125148	BUILDING MATERIALS	\$30.98
		09/24/20	CM-125797	BUILDING MATERIALS	\$30.98
		09/24/20	CM-125384	BUILDING MATERIALS	\$42.62
	2				\$685.09
LINDE INC.	000001772	09/03/20	98356593	CARBON DIOXIDE	\$3,768.63
		09/03/20	98187905	CARBON DIOXIDE	\$3,509.16
	000001835	09/10/20	98582366	CARBON DIOXIDE	\$3,677.16
		09/10/20	98539107	CARBON DIOXIDE	\$3,826.90
	000001859	09/17/20	98638633	CARBON DIOXIDE	\$3,867.96
	3				\$18,649.81
OMAR & SON'S TRUCKING	000001799	09/10/20	5340	DIRT HAULING	\$808.00
	1				\$808.00

Payment Listing by Class

9/1/2020 - 9/30/2020

Vendor Name	Check #/Count	Payment Date	Invoice Number	Invoice Description	Payment Amount
POLLARD WATER	000001800	09/10/20	0174266	WATER OPS TOOLS/SUPPLIES	\$363.43
	1				\$363.43
PRAXAIR DISTRIBUTION, INC.	000001771	09/03/20	98463727	ACETYLENE CYLINDER RENTAL	\$128.37
	000001801	09/10/20	98736650	WELDING SUPPLIES	\$91.79
	000001899	09/24/20	98884937	WELDING SUPPLIES	\$31.68
	3				\$251.84
S & J SUPPLY CO.	000001836	09/10/20	S100159087.002	PIPELINE MATERIALS	\$5,642.87
		09/10/20	S100159087.001	PIPELINE MATERIALS	\$1,965.36
		09/10/20	S100159884.001	PIPELINE MATERIALS	\$6,044.78
		09/10/20	S100159211.001	PIPELINE MATERIALS	\$5,554.52
	1				\$19,207.53
UNDERGROUND SERVICE ALERT/SC	000001806	09/10/20	820200435	UNDERGROUND DIG ALERT	\$714.55
	1				\$714.55
VULCAN MATERIALS	000001744	09/03/20	72662077	PAVING MATERIALS	\$145.58
	000001808	09/10/20	72685152	M21-001MV PAVING MATERIALS	\$97.23
	000001881	09/17/20	72697077	PAVING MATERIALS	\$137.38
		09/17/20	72694593	M21-001FH PAVING MATERIALS	\$171.80
		09/17/20	72682145	PAVING MATERIALS	\$87.40
	3				\$639.39
Total WATER SYSTEM	28				\$96,912.29
Total Payments (All)	228				\$2,236,646.83



*Dedicated to
Satisfying our Community's
Water Needs*

MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: October 27, 2020
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 09/30/20
Attachment B: Monthly Treasurer's Status Report on Investments as of 08/31/20

Mesa Water District
Quarterly Treasurer's Report on Investments
As of 09/30/2020



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	0.69%	1,077.37	0.00%	No Limit	1,077.37	3.91	1,4
Orange County Investment Pool (OCIP)	Liquid	1	1.00%	2,808,101.56	8.74%	No Limit	2,808,101.56	9,137.79	1,6
Miscellaneous (Petty Cash, Emergency Cash, etc.)	Liquid	1	0.00%	14,000.00	0.04%	N/A	14,000.00	0.00	
US Bank Custody Account*									2,5
Negotiable CD	Various	1,058	1.70%	10,113,000.00	32.58%	30.00%	10,470,714.16	50,538.70	
US Agency	Various	1,154	1.13%	10,085,380.51	31.74%	No Limit	10,200,896.07	17,056.56	
Sub Total / Average		1,106	1.42%	20,198,380.51			20,671,610.23	67,595.26	
Union Bank Account	Liquid	1	0.45%	417,293.27	1.30%	No Limit	417,293.27	0.00	1,3
Pacific Premier Bank	Liquid	1	0.00%	8,229,602.25	25.60%	No Limit	8,229,602.25	0.00	
Total Average		711	1.00%	\$31,668,454.96	100.00%		\$32,141,684.68	\$76,736.96	

PARS OPEB & Pension Trust	1 Month Rate of Return	3 Month Rate of Return	Cost Value	Market Value
Public Agency Retirement Services (PARS)				
Capital Appreciation HighMark PLUS Fund				
OPEB	-2.50%	6.02%	1,432,794.47	1,638,895.68
Pension Trust	-2.56%	6.27%	12,341,916.64	13,797,862.18
			\$ 13,774,711.11	\$ 15,436,757.86

Sources of Market Value Valuation - Account Statements

LAIF, OCIP & US Bank

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.

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.

Marwan Khalifa

Marwan Khalifa, CPA, MBA, District Treasurer

Weighted Average Return | 1.00 %

Benchmark: 3 Month Treasury Bill - September | .11 %

Weighted Average Maturity | 1.9 Years

Days to Maturity | 711

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

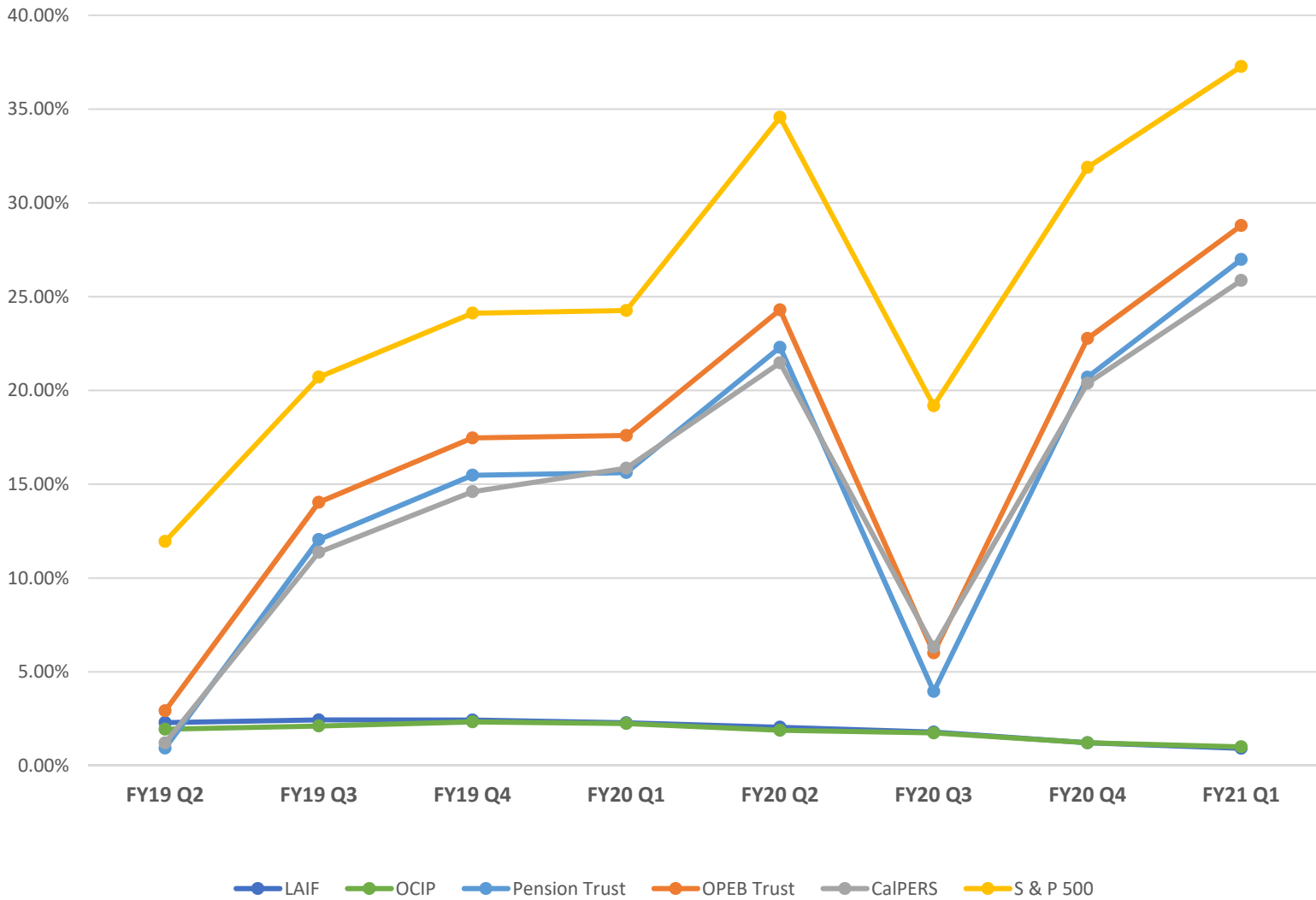
1 Month | 4.45 % 3 Month | 5.38 % 1 YEAR | 13.98 %

Notes

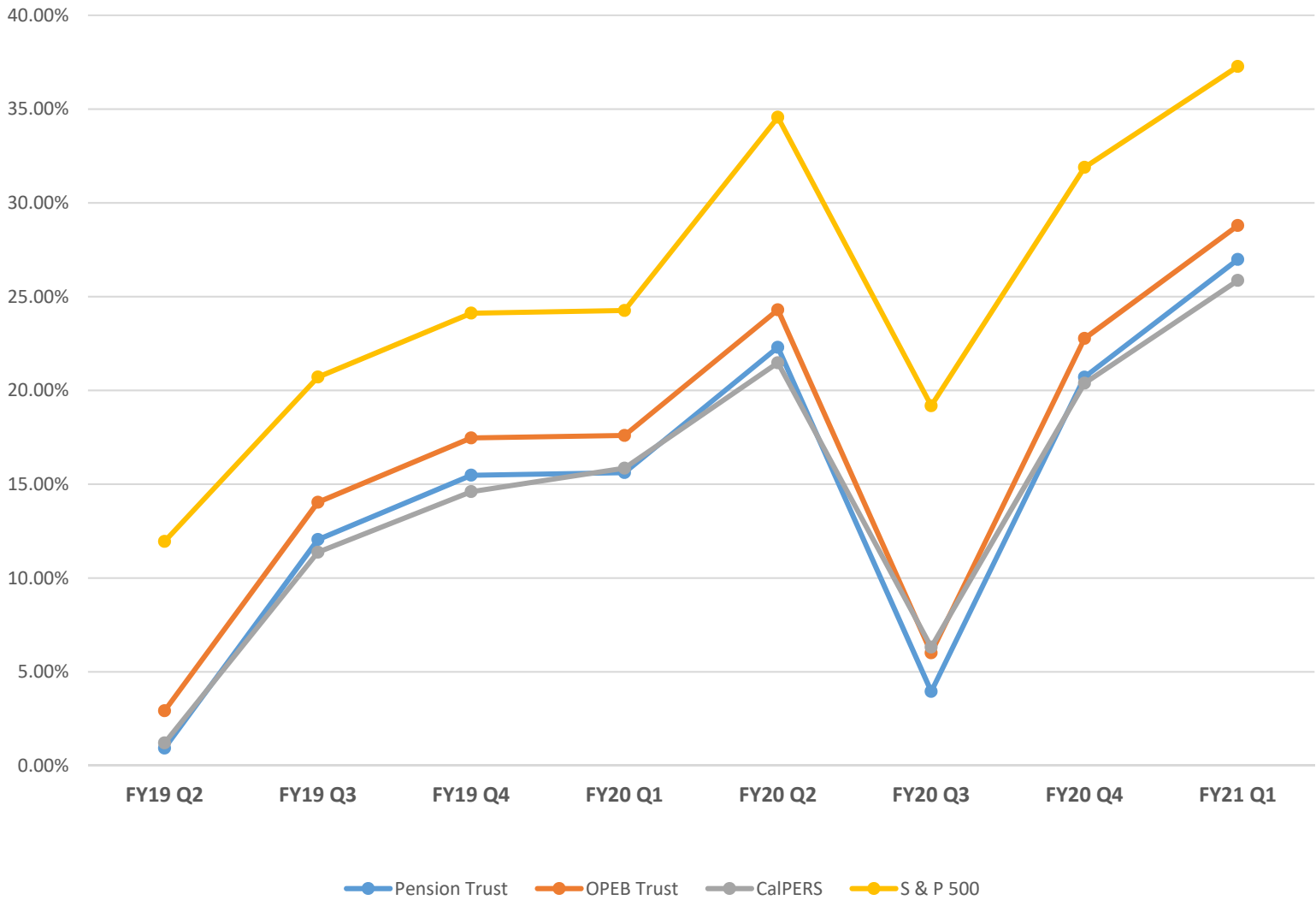
1. The interest or yield shown is for the current month net of fees.
2. The interest rate (Yield to Maturity @Cost) shown is the guaranteed annual interest rate for the term of the investment.
3. The rate shown is the Earnings Credit Rate. These earnings are applied against bank service charges; no actual monies are received.
4. 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 1.004114534. The yield earned on the Treasurer's Reports does not reflect change in fair market value.
5. 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.
6. Orange County Investment Pool - September 2020 | Net Asset Value is 1.00.

* Custody Account transition from Union Bank to US Bank | Money Market funds 1,799,656.08

Cumulative Quarterly Return on Investments



Cumulative Quarterly Return on Investments



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: 06/30/2020, End Date: 09/30/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
FHLMC 0.45 7/8/2024-22	3134GV4S4	0.360	7/13/2020	7/8/2024	750,000.00	752,676.75	46.88	752,723.63
FHLMC 0.375 7/14/2023-22	3134GV5F1	0.290	7/14/2020	7/14/2023	250,000.00	250,634.25	0.00	250,634.25
Medallion Bank UT 0.6 7/15/2025	58404DHM6	0.600	7/15/2020	7/15/2025	249,000.00	249,000.00	0.00	249,000.00
Preferred Bank CA 0.25 7/17/2023	740367LV7	0.250	7/17/2020	7/17/2023	249,000.00	249,000.00	0.00	249,000.00
FHLMC 0.4 10/23/2023-21	3134GV6D5	0.323	7/23/2020	10/23/2023	250,000.00	250,624.25	0.00	250,624.25
Bankwell Bank CT 0.35 1/30/2024	06654BCM1	0.350	7/30/2020	1/30/2024	249,000.00	249,000.00	0.00	249,000.00
FFCB 0.25 9/21/2023-22	3133EMAM4	0.183	9/24/2020	9/21/2023	500,000.00	500,993.50	10.42	501,003.92
BMW Bank UT 0.5 9/25/2025	05580AXF6	0.500	9/25/2020	9/25/2025	249,000.00	249,000.00	0.00	249,000.00
BMO Harris Bank IL 0.5 3/28/2025-20	05600XAY6	0.500	9/28/2020	3/28/2025	249,000.00	249,000.00	0.00	249,000.00
FHLMC 0.4 9/30/2025-21	3134GWVP8	0.400	9/30/2020	9/30/2025	250,000.00	250,000.00	0.00	250,000.00
First Commercial Bank MS 0.3 3/31/2025	31984GFK0	0.300	9/30/2020	3/31/2025	249,000.00	249,000.00	0.00	249,000.00
FHLMC 0.35 9/30/2024-22	3134GWVM5	0.275	9/30/2020	9/30/2024	250,000.00	250,748.13	0.00	250,748.13
Sub Total / Average Buy					3,744,000.00	3,749,676.88	57.30	3,749,734.18
Called								
Jonesboro State Bank LA 1.25 5/6/2025-20	48040PGP4	0.000	8/6/2020	5/6/2025	249,000.00	249,000.00	0.00	249,000.00
JPMorgan Chase OH 2.1 8/31/2024-20	48128H6D5	0.000	8/31/2020	8/31/2024	247,000.00	247,000.00	0.00	247,000.00
Bridgewater Bank MN 0.9 5/22/2025-20	108622JU6	0.000	9/22/2020	5/22/2025	249,000.00	249,000.00	0.00	249,000.00
Sub Total / Average Called					745,000.00	745,000.00	0.00	745,000.00
Matured								
Everbank FL 2 7/14/2020	29976DZD5	0.000	7/14/2020	7/14/2020	247,000.00	247,000.00	0.00	247,000.00
Investors Bank NJ 2 8/25/2020	46176PEJ0	0.000	8/25/2020	8/25/2020	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
Quarterly Interest | Received
Report Format: By Transaction
Group By: Asset Category
Portfolio / Report Group: Report Group | Treasurer's Report
Begin Date: 6/30/2020, End Date: 9/30/2020

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	1,077.37	3.91	0.00
Sub Total/Average					1,077.37	3.91	0.00
Orange County LGIP - OCIP Policy - No Limit							
	LGIP9LC	9/30/2011	N/A	N/A	2,808,101.56	9,137.79	0.00
Sub Total/Average					2,808,101.56	9,137.79	0.00
Miscellaneous Cash (Petty Emergency)							
	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%							
Ally Bank UT 1.85 10/24/2022	02007GML4	10/24/2019	10/24/2022	1.850	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
Anchor D Bank OK 1.15 4/29/2025-20	033034AN9	4/29/2020	4/29/2025	1.150	249,000.00	721.76	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
Bank of Baroda 1.85 11/23/2021	06062QXG4	11/23/2016	11/23/2021	1.850	247,000.00	0.00	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
Beneficial Mutual Savings PA 1.55 11/16/2021!	08173QBU9	11/16/2016	11/16/2021	1.550	247,000.00	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
BMW Bank UT 0.5 9/25/2025	05580AXF6	9/25/2020	9/25/2025	0.500	249,000.00	0.00	0.00
Bridgewater Bank MN 0.9 5/22/2025-20!	108622JU6	5/22/2020	5/22/2025	0.900	0.00	564.85	0.00
Business Bank MO 2 1/20/2022	12325EHH8	1/20/2017	1/20/2022	2.000	247,000.00	1,245.15	0.00
Capital One Bank VA 2.3 3/1/2022	140420Y53	3/1/2017	3/1/2022	2.300	247,000.00	2,863.85	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
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
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
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
Eaglebank MD 2.5 5/24/2024	27002YEN2	5/24/2019	5/24/2024	2.500	249,000.00	1,569.04	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

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
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
Everbank FL 2 7/14/2020	29976DZD5	7/14/2015	7/14/2020	2.000	0.00	2,463.23	0.00
First Commercial Bank MS 0.3 3/31/2025	31984GFK0	9/30/2020	3/31/2025	0.300	249,000.00	0.00	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
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
First Technology CU CA 1.75 6/30/2021	33715LAD2	6/30/2016	6/30/2021	1.750	247,000.00	0.00	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
Franklin Synergy Bank TN 2 1/31/2022	35471TCV2	1/31/2017	1/31/2022	2.000	247,000.00	1,245.15	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
Goldman Sachs NY 3.3 1/16/2024	38148P4E4	1/16/2019	1/16/2024	3.300	245,000.00	4,031.42	0.00
Investors Bank NJ 2 8/25/2020	46176PEJ0	8/26/2015	8/25/2020	2.000	0.00	2,463.23	0.00
Jonesboro State Bank LA 1.25 5/6/2025-20	48040PGP4	5/6/2020	5/6/2025	1.250	0.00	520.17	0.00
JPMorgan Chase OH 2.1 8/31/2024-20	48128H6D5	8/30/2019	8/31/2024	2.100	0.00	2,614.82	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
Medallion Bank UT 0.6 7/15/2025	58404DHM6	7/15/2020	7/15/2025	0.600	249,000.00	253.78	0.00
Mercantil Commerce Bank FL 1.65 9/28/2021	58733ADJ5	9/28/2016	9/28/2021	1.650	247,000.00	2,054.50	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 NY 3.05 1/31/2024	61760AVF3	1/31/2019	1/31/2024	3.050	246,000.00	3,741.22	0.00
Morgan Stanley UT 3.05 1/31/2024	61690UDV9	1/31/2019	1/31/2024	3.050	246,000.00	3,741.22	0.00
Preferred Bank CA 0.25 7/17/2023	740367LV7	7/17/2020	7/17/2023	0.250	249,000.00	105.74	0.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	8/29/2016	8/30/2021	1.500	247,000.00	1,847.42	0.00
Raymond James Bank 1.75 11/8/2023	75472RAH4	11/8/2019	11/8/2023	1.750	247,000.00	0.00	0.00
Sallie Mae Bank UT 1.9 10/16/2024	7954504P7	10/17/2019	10/16/2024	1.900	247,000.00	0.00	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
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
Synchrony Bank UT 2.3 2/24/2022	87165FPA6	2/24/2017	2/24/2022	2.300	247,000.00	2,832.72	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
Wells Fargo SD 1.6 8/3/2021	9497486Z5	8/3/2016	8/3/2021	1.600	247,000.00	996.12	0.00
Sub Total/Average					10,113,000.00	50,538.70	0.00

US Agency - No Limit

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
FAMC 2.15 6/5/2024	31422BGA2	11/8/2019	6/5/2024	2.150	500,000.00	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 0.25 9/21/2023-22	3133EMAM4	9/24/2020	9/21/2023	0.250	500,000.00	0.00	0.00
FFCB 0.8 4/22/2024-21	3133ELXC3	4/22/2020	4/22/2024	0.800	750,000.00	0.00	0.00
FFCB 1.3 3/24/2025-21	3130AJF95	3/24/2020	3/24/2025	1.300	750,000.00	4,875.00	0.00
FFCB 2.125 6/5/2023	3133EKPT7	11/8/2019	6/5/2023	2.125	500,000.00	0.00	0.00
FHLB 2 11/10/2021-18	3130A9S44	11/10/2016	11/10/2021	2.000	750,000.00	0.00	0.00

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
FHLB 3 12/9/2022	3130AFE78	1/9/2019	12/9/2022	3.000	1,000,000.00	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 0.375 7/14/2023-22	3134GV5F1	7/14/2020	7/14/2023	0.375	250,000.00	0.00	0.00
FHLMC 0.4 10/23/2023-21	3134GV6D5	7/23/2020	10/23/2023	0.400	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
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	0.00	0.00
FHLMC 0.5 5/20/2024-22	3134GVXR4	5/21/2020	5/20/2024	0.500	500,000.00	0.00	0.00
FHLMC 0.5 8/28/2023-21	3134GVXS2	5/28/2020	8/28/2023	0.500	249,000.00	0.00	0.00
FHLMC 0.7 5/13/2025-21	3134GVSYS	5/13/2020	5/13/2025	0.700	500,000.00	0.00	0.00
FHLMC 0.85 4/29/2025-21	3134GVPK8	5/1/2020	4/29/2025	0.850	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
FNMA 1.875 4/5/2022	3135G0T45	3/23/2020	4/5/2022	1.875	500,000.00	0.00	0.00
Sub Total/Average					9,997,000.00	17,056.56	0.00
Union Bank Accounts Policy - No Limit							
	MM2110	11/30/2013	N/A	N/A	417,293.27	0.00	0.00
Sub Total/Average					417,293.27	0.00	0.00
Pacific Premier Bank Policy - n/a							
	CASH0831	5/28/2020	N/A	N/A	8,229,602.25	0.00	0.00
Sub Total/Average					8,229,602.25	0.00	0.00
Total / Average					31,580,074.45	76,736.96	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 9/30/2020

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS OPEB Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	4,548.33	108,275.63	133,765.70
DFA Large Cap	233203868	Mutual Fund	3,409.48	70,593.70	73,951.31
Dodge & Cox International	256206103	Mutual Fund	1,284.05	48,198.24	45,839.94
Dodge & Cox Stock Fund	256219106	Mutual Fund	600.73	103,591.27	100,040.43
Doubeline Core Fix Income	258620301	Mutual Fund	10,306.91	113,111.37	115,746.42
Harbor Capital Appreciation	411512528	Mutual Fund	662.07	45,503.00	68,782.54
Hartford Schroders	41665X859	Mutual Fund	5,758.11	87,641.47	97,369.80
iShares SP500	464287408	Mutual Fund	371.00	46,146.38	41,718.95
iShares Russell Mid Cap	464287499	Mutual Fund	1,481.00	23,002.79	84,979.78
MFS International	552746356	Mutual Fund	1,234.19	36,055.74	47,528.47
Pimco Total Return Fund	693390700	Mutual Fund	10,607.31	111,141.82	115,937.89
Price T Rowe Growth	741479406	Mutual Fund	766.49	47,516.55	68,839.01
PGIM Total Return Bond	74440B884	Mutual Fund	7,765.35	113,663.55	115,469.97
Undiscovered	904504479	Mutual Fund	1,154.68	66,914.63	52,388.07
Vanguard Growth & Income	921913208	Mutual Fund	3,437.63	246,667.31	303,887.72
Vanguard Short Term	922031836	Mutual Fund	3,131.44	33,042.71	34,383.05
Vanguard Real Estate	922908553	Mutual Fund	251.00	21,222.20	19,818.96
Victory RS	92647Q363	Mutual Fund	597.68	46,854.19	54,795.75
US Bank PARS - OPEB Trust MM	MM4900	Money Market	63,651.92	63,651.92	63,651.92
Sub Total / Average PARS OPEB Trust			121,019.37	1,432,794.47	1,638,895.68
Total / Average			121,019.37	1,432,794.47	1,638,895.68

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 9/30/2020

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS Pension Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	38,704.27	988,704.59	1,138,292.30
DFA Large Cap	233203868	Mutual Fund	28,982.72	603,808.23	628,635.23
Dodge & Cox International	256206103	Mutual Fund	10,916.33	455,788.53	389,712.81
Dodge & Cox Stock Fund	256219106	Mutual Fund	5,074.95	943,886.83	845,129.93
Doubeline Core Fix Income	258620301	Mutual Fund	87,748.53	958,753.38	985,415.73
Harbor Capital Appreciation	411512528	Mutual Fund	5,636.59	405,292.90	585,585.66
Hartford Schroders	41665X859	Mutual Fund	48,952.29	745,422.59	827,783.38
iShares SP500	464287408	Mutual Fund	3,160.00	399,356.62	355,342.00
iShares Russell Mid Cap	464287499	Mutual Fund	12,613.00	98,626.10	723,733.94
MFS International	552746356	Mutual Fund	10,499.07	348,404.11	404,319.71
Pimco Total Return Fund	693390700	Mutual Fund	90,143.84	932,920.87	985,272.11
Price T Rowe Growth	741479406	Mutual Fund	6,525.59	431,556.36	586,064.17
PGIM Total Return Bond	74440B884	Mutual Fund	65,955.22	959,491.05	980,754.39
Undiscovered	904504479	Mutual Fund	9,818.65	588,491.70	445,471.79
Vanguard Growth & Income	921913208	Mutual Fund	29,252.94	2,230,845.60	2,585,959.80
Vanguard Short Term	922031836	Mutual Fund	26,611.99	279,977.86	292,199.45
Vanguard Real Estate	922908553	Mutual Fund	2,139.00	174,169.27	168,895.44
Victory RS	92647Q363	Mutual Fund	5,071.22	392,056.73	464,931.02
US Bank PARS - Pension Trust MM	MM4901	Money Market	404,363.32	404,363.32	404,363.32
Sub Total / Average PARS Pension Trust			892,169.52	12,341,916.64	13,797,862.18
Total / Average			892,169.52	12,341,916.64	13,797,862.18

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS OPEB Trust
Begin Date: 06/30/2020, End Date: 09/30/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
Pimco Total Return Fund	693390700	0.000	7/31/2020	N/A	18.78	206.00	0.00	206.00
PGIM Total Return Bond	74440B884	0.000	7/31/2020	N/A	17.08	256.99	0.00	256.99
Vanguard Short Term	922031836	0.000	7/31/2020	N/A	6.861	75.47	0.00	75.47
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	16.43	179.71	0.00	179.71
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	17.33	258.34	0.00	258.34
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	6.53	71.78	0.00	71.78
Hartford Schroders	41665X859	0.000	9/3/2020	N/A	812.991	13,820.85	0.00	13,820.85
iShares SP500	464287408	0.000	9/3/2020	N/A	39.00	4,555.18	0.00	4,555.18
Vanguard Growth & Income	921913208	0.000	9/3/2020	N/A	44.059	3,999.27	0.00	3,999.27
Vanguard Real Estate	922908553	0.000	9/3/2020	N/A	38.00	3,132.58	0.00	3,132.58
DFA Large Cap	233203868	0.000	9/3/2020	N/A	313.502	6,915.85	0.00	6,915.85
Undiscovered	904504479	0.000	9/3/2020	N/A	211.707	10,149.22	0.00	10,149.22
Dodge & Cox Stock Fund	256219106	0.000	9/3/2020	N/A	51.603	8,892.76	0.00	8,892.76
Columbia Contrarian Fund	19766M709	0.000	9/3/2020	N/A	59.415	1,794.94	0.00	1,794.94
Pimco Total Return Fund	693390700	0.000	9/3/2020	N/A	19.055	208.27	0.00	208.27
Pimco Total Return Fund	693390700	0.000	9/3/2020	N/A	1,269.119	13,947.62	0.00	13,947.62
Dodge & Cox International	256206103	0.000	9/3/2020	N/A	139.968	5,217.96	0.00	5,217.96
PGIM Total Return Bond	74440B884	0.000	9/3/2020	N/A	18.551	275.86	0.00	275.86
PGIM Total Return Bond	74440B884	0.000	9/3/2020	N/A	870.727	13,087.03	0.00	13,087.03
MFS International	552746356	0.000	9/3/2020	N/A	52.55	2,045.26	0.00	2,045.26
Victory RS	92647Q363	0.000	9/3/2020	N/A	60.983	5,499.42	0.00	5,499.42
Doubeline Core Fix Income	258620301	0.000	9/3/2020	N/A	1,292.047	14,587.21	0.00	14,587.21
iShares Russell Mid Cap	464287499	0.000	9/3/2020	N/A	119.00	6,984.86	0.00	6,984.86
Dodge & Cox Stock Fund	256219106	0.000	9/25/2020	N/A	3.756	614.89	0.00	614.89
Vanguard Short Term	922031836	0.000	9/30/2020	N/A	5.59	61.38	0.00	61.38
Sub Total / Average Buy					5,504.634	116,838.70	0.00	116,838.70
Dividend								
DFA Large Cap	233203868	0.000	7/1/2020	N/A	0.00	0.00	474.15	474.15
Doubeline Core Fix Income	258620301	0.000	7/2/2020	N/A	0.00	0.00	256.36	256.36
Pimco Total Return Fund	693390700	0.000	7/31/2020	N/A	0.00	0.00	206.00	206.00
PGIM Total Return Bond	74440B884	0.000	7/31/2020	N/A	0.00	0.00	256.99	256.99

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Vanguard Short Term	922031836	0.000	7/31/2020	N/A	0.00	0.00	75.47	75.47
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	0.00	0.00	179.71	179.71
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	0.00	0.00	258.34	258.34
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	0.00	0.00	71.78	71.78
Doubeline Core Fix Income	258620301	0.000	8/31/2020	N/A	0.00	0.00	255.96	255.96
iShares SP500	464287408	0.000	9/30/2020	N/A	0.00	0.00	295.80	295.80
Vanguard Real Estate	922908553	0.000	9/30/2020	N/A	0.00	0.00	148.12	148.12
Dodge & Cox Stock Fund	256219106	0.000	9/30/2020	N/A	0.00	0.00	614.89	614.89
Pimco Total Return Fund	693390700	0.000	9/30/2020	N/A	0.00	0.00	208.27	208.27
PGIM Total Return Bond	74440B884	0.000	9/30/2020	N/A	0.00	0.00	275.86	275.86
Vanguard Short Term	922031836	0.000	9/30/2020	N/A	0.00	0.00	61.38	61.38
Doubeline Core Fix Income	258620301	0.000	9/30/2020	N/A	0.00	0.00	251.58	251.58
iShares Russell Mid Cap	464287499	0.000	9/30/2020	N/A	0.00	0.00	321.86	321.86
Sub Total / Average Dividend					0.00	0.00	4,212.52	4,212.52
Sell								
Price T Rowe Growth	741479406	0.000	9/3/2020	N/A	34.39	3,177.13	0.00	3,177.13
Vanguard Short Term	922031836	0.000	9/3/2020	N/A	338.62	3,728.25	0.00	3,728.25
Harbor Capital Appreciation	411512528	0.000	9/3/2020	N/A	72.09	7,632.78	0.00	7,632.78
Sub Total / Average Sell					445.10	14,538.16	0.00	14,538.16

Mesa Water District
Transactions Summary
Quarterly Treasurer's Status Report - Investment Activity
Group By: Action
Portfolio / Report Group: PARS Pension Trust
Begin Date: 06/30/2020, End Date: 09/30/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
Hartford Schroders	41665X859	0.000	9/3/2020	N/A	3,551.97	60,383.44	0.00	60,383.44
iShares SP500	464287408	0.000	9/3/2020	N/A	105.00	12,263.93	0.00	12,263.93
Vanguard Real Estate	922908553	0.000	9/3/2020	N/A	189.00	15,580.47	0.00	15,580.47
DFA Large Cap	233203868	0.000	9/3/2020	N/A	559.24	12,336.89	0.00	12,336.89
Undiscovered	904504479	0.000	9/3/2020	N/A	1,172.77	56,222.30	0.00	56,222.30
Dodge & Cox Stock Fund	256219106	0.000	9/3/2020	N/A	92.35	15,914.11	0.00	15,914.11
Pimco Total Return Fund	693390700	0.000	9/3/2020	N/A	5,076.97	55,795.84	0.00	55,795.84
Dodge & Cox International	256206103	0.000	9/3/2020	N/A	412.89	15,392.59	0.00	15,392.59
PGIM Total Return Bond	74440B884	0.000	9/3/2020	N/A	3,306.63	49,698.64	0.00	49,698.64
Victory RS	92647Q363	0.000	9/3/2020	N/A	143.88	12,974.95	0.00	12,974.95
Doubeline Core Fix Income	258620301	0.000	9/3/2020	N/A	4,985.02	56,280.90	0.00	56,280.90
iShares Russell Mid Cap	464287499	0.000	9/3/2020	N/A	107.00	6,280.51	0.00	6,280.51
Sub Total / Average Buy					19,702.72	369,124.57	0.00	369,124.57
Dividend								
DFA Large Cap	233203868	0.000	7/1/2020	N/A	0.00	0.00	4,353.06	4,353.06
Doubeline Core Fix Income	258620301	0.000	7/2/2020	N/A	0.00	0.00	2,353.58	2,353.58
Pimco Total Return Fund	693390700	0.000	7/31/2020	N/A	0.00	0.00	1,887.56	1,887.56
PGIM Total Return Bond	74440B884	0.000	7/31/2020	N/A	0.00	0.00	2,353.18	2,353.18
Vanguard Short Term	922031836	0.000	7/31/2020	N/A	0.00	0.00	691.32	691.32
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	0.00	0.00	1,643.16	1,643.16
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	0.00	0.00	2,360.15	2,360.15
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	0.00	0.00	656.33	656.33
Doubeline Core Fix Income	258620301	0.000	8/31/2020	N/A	0.00	0.00	2,349.90	2,349.90
iShares SP500	464287408	0.000	9/30/2020	N/A	0.00	0.00	2,519.45	2,519.45
Vanguard Real Estate	922908553	0.000	9/30/2020	N/A	0.00	0.00	1,262.22	1,262.22
Dodge & Cox Stock Fund	256219106	0.000	9/30/2020	N/A	0.00	0.00	5,227.19	5,227.19
Pimco Total Return Fund	693390700	0.000	9/30/2020	N/A	0.00	0.00	1,784.80	1,784.80
PGIM Total Return Bond	74440B884	0.000	9/30/2020	N/A	0.00	0.00	2,383.48	2,383.48
Vanguard Short Term	922031836	0.000	9/30/2020	N/A	0.00	0.00	526.52	526.52
Doubeline Core Fix Income	258620301	0.000	9/30/2020	N/A	0.00	0.00	2,309.67	2,309.67
iShares Russell Mid Cap	464287499	0.000	9/30/2020	N/A	0.00	0.00	2,741.13	2,741.13

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Sub Total / Average Dividend					0.00	0.00	37,402.70	37,402.70
Sell								
Vanguard Growth & Income	921913208	0.000	9/3/2020	N/A	1,679.18	152,418.99	0.00	152,418.99
Columbia Contrarian Fund	19766M709	0.000	9/3/2020	N/A	2,508.86	75,792.54	0.00	75,792.54
MFS International	552746356	0.000	9/3/2020	N/A	349.29	13,594.17	0.00	13,594.17
Price T Rowe Growth	741479406	0.000	9/3/2020	N/A	827.19	76,415.54	0.00	76,415.54
Vanguard Short Term	922031836	0.000	9/3/2020	N/A	5,009.54	55,155.04	0.00	55,155.04
Harbor Capital Appreciation	411512528	0.000	9/3/2020	N/A	1,103.61	116,849.91	0.00	116,849.91
Sub Total / Average Sell					11,477.67	490,226.19	0.00	490,226.19

Mesa Water District
Monthly Treasurer's Status Report on Investments
As of 08/31/2020



Investments are in compliance with the Investment Policy adopted as Resolution 1506 of the Mesa Water District Board of

Investments	Maturity Date	Days to Maturity	YTM@Cost	Cost Value	% of Portfolio	Policy % Limit	Market Value
Local Agency Investment Fund (LAIF)	Liquid	1	0.78%	1,077.37	0.00%	No Limit	1,077.37
Orange County Investment Pool (OCIP)	Liquid	1	1.09%	2,805,333.50	8.35%	No Limit	2,805,333.50
Miscellaneous Cash (Petty Cash, Emergency Cash, etc.)	Liquid	1		14,000.00	0.04%	N/A	14,000.00
US Bank Custody Account*							
Negotiable Certificate of Deposit	Various	1,056	1.77%	9,615,000.00	29.69%	30.00%	9,978,045.67
US Agency Bonds	Various	1,162	1.22%	9,083,638.88	27.42%	No Limit	9,216,080.52
Sub Total / Average		1,106	1.51%	18,698,638.88			19,194,126.19
Union Bank Accounts	Liquid	1	0.45%	4,419,787.74	13.15%	No Limit	4,419,787.74
Pacific Premier Bank	Liquid	1	0.00%	7,174,650.56	21.35%	No Limit	7,174,650.56
Total / Average		632	1.01%	\$ 33,113,488.05	100.00%		\$ 33,608,975.36

PARS OPEB & Pension Trust	Monthly Rate of Return	Cost Value	Market Value
Public Agency Retirement Services (PARS)			
Capital Appreciation HighMark PLUS Fund			
OPEB	4.32%	1,426,653.06	1,681,554.21
Pension Trust	4.61%	12,366,429.12	14,301,633.76
		\$ 13,793,082.18	\$ 15,983,187.97

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 2020 Fair Value Factor of 1.004912795.

Orange County Treasurer's Investment Pool (OCIP)

The MY 2020 net asset value factor is estimated at 1.00, and the interest rate is the Monthly Net Yield.

Weighted Average Return

Mesa Water® Funds | 1.01%
 Benchmark: 3 Month Treasury Bill - August 2020 | 0.10 %

Weighted Average Maturity

Years | 1.7
 Days to Maturity | 632

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

1 Month | 7.01 %

* Custody Account transition from Union Bank to US Bank
 Money Market Account funds in transit 769,608.49

Mesa Water District
 Transactions Summary
 Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: US Bank | Custodian Statement
 Begin Date: 07/31/2020, End Date: 08/31/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Called								
Jonesboro State Bank LA 1.25 5/6/2025-20	48040PGP4	0.000	8/6/2020	5/6/2025	249,000.00	249,000.00	0.00	249,000.00
JPMorgan Chase OH 2.1 8/31/2024-20	48128H6D5	0.000	8/31/2020	8/31/2024	247,000.00	247,000.00	0.00	247,000.00
Sub Total / Average Called					496,000.00	496,000.00	0.00	496,000.00
Matured								
Investors Bank NJ 2 8/25/2020	46176PEJ0	0.000	8/25/2020	8/25/2020	247,000.00	247,000.00	0.00	247,000.00
Sub Total / Average Matured					247,000.00	247,000.00	0.00	247,000.00

Mesa Water District
Date To Date
Interest | Received
Report Format: By Transaction
Group By: Asset Category
Portfolio / Report Group: Report Group | Treasurer's Report
Begin Date: 7/31/2020, End Date: 8/31/2020

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
LAIF LGIP							
	LGIP0012	6/30/2010	N/A	N/A	1,077.37	0.00	0.00
Sub Total/Average					1,077.37	0.00	0.00
Orange County LGIP							
	LGIP9LC	9/30/2011	N/A	N/A	2,805,333.50	2,985.52	0.00
Sub Total/Average					2,805,333.50	2,985.52	0.00
Miscellaneous Cash (Petty Emergency)							
	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							
Investors Bank NJ 2 8/25/2020	46176PEJ0	8/26/2015	8/25/2020	2.000	0.00	2,463.23	0.00
First Technology CU CA 1.75 6/30/2021	33715LAD2	6/30/2016	6/30/2021	1.750	247,000.00	0.00	0.00
Wells Fargo SD 1.6 8/3/2021	9497486Z5	8/3/2016	8/3/2021	1.600	247,000.00	335.65	0.00
Privatebank and Trust IL 1.5 8/30/2021	74267GVM6	8/29/2016	8/30/2021	1.500	247,000.00	1,847.42	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
Beneficial Mutual Savings PA 1.55 11/16/2021	08173QBU9	11/16/2016	11/16/2021	1.550	247,000.00	0.00	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
Business Bank MO 2 1/20/2022	12325EHH8	1/20/2017	1/20/2022	2.000	247,000.00	419.56	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
Franklin Synergy Bank TN 2 1/31/2022	35471TCV2	1/31/2017	1/31/2022	2.000	247,000.00	419.56	0.00
Synchrony Bank UT 2.3 2/24/2022	87165FPA6	2/24/2017	2/24/2022	2.300	247,000.00	2,832.72	0.00
Capital One Bank VA 2.3 3/1/2022	140420Y53	3/1/2017	3/1/2022	2.300	247,000.00	0.00	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

Description	CUSIP/Ticker	Settlement Date	Maturity Date	Coupon Rate	Ending Face Amount/Shares	Interest/Dividends	Sell Accrued Interest
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
JPMorgan Chase OH 2.1 8/31/2024-20	48128H6D5	8/30/2019	8/31/2024	2.100	0.00	2,614.82	0.00
Sallie Mae Bank UT 1.9 10/16/2024	7954504P7	10/17/2019	10/16/2024	1.900	247,000.00	0.00	0.00
Celtic Bank UT 1.65 10/23/2024	15118RSV0	10/23/2019	10/23/2024	1.650	249,000.00	348.94	0.00
Ally Bank UT 1.85 10/24/2022	02007GML4	10/24/2019	10/24/2022	1.850	247,000.00	0.00	0.00
Enterprise Bank & Trust 1.75 11/8/2023	29367SJR6	11/8/2019	11/8/2023	1.750	249,000.00	370.09	0.00
Raymond James Bank 1.75 11/8/2023	75472RAH4	11/8/2019	11/8/2023	1.750	247,000.00	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
Anchor D Bank OK 1.15 4/29/2025-20	033034AN9	4/29/2020	4/29/2025	1.150	249,000.00	243.20	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
Jonesboro State Bank LA 1.25 5/6/2025-20	48040PGP4	5/6/2020	5/6/2025	1.250	0.00	264.35	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
Bridgewater Bank MN 0.9 5/22/2025-20	108622JU6	5/22/2020	5/22/2025	0.900	249,000.00	190.33	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
Sub Total/Average					9,615,000.00	16,294.24	0.00
US Agency							
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
FFCB 1.3 3/24/2025-21	3130AJF95	3/24/2020	3/24/2025	1.300	750,000.00	0.00	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
FFCB 0.8 4/22/2024-21	3133ELXC3	4/22/2020	4/22/2024	0.800	750,000.00	0.00	0.00
FHLMC 0.85 4/29/2025-21	3134GVPK8	5/1/2020	4/29/2025	0.850	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 0.5 8/28/2023-21	3134GVXS2	5/28/2020	8/28/2023	0.500	249,000.00	0.00	0.00
FHLMC 0.45 7/8/2024-22	3134GV4S4	7/13/2020	7/8/2024	0.450	750,000.00	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
FHLMC 0.4 10/23/2023-21	3134GV6D5	7/23/2020	10/23/2023	0.400	250,000.00	0.00	0.00
Sub Total/Average					8,997,000.00	0.00	0.00
Union Bank Accounts							
	MM2110	11/30/2013	N/A	N/A	4,419,787.74	0.00	0.00
Sub Total/Average					4,419,787.74	0.00	0.00
Pacific Premier Bank							
	CASH0831	5/28/2020	N/A	N/A	7,174,650.56	0.00	0.00
Sub Total/Average					7,174,650.56	0.00	0.00
Total / Average					33,026,849.17	19,279.76	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 8/31/2020

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS OPEB Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	4,488.91	106,480.69	137,674.33
DFA Large Cap	233203868	Mutual Fund	3,095.98	63,677.85	69,039.97
Dodge & Cox International	256206103	Mutual Fund	1,144.08	42,980.28	43,188.43
Dodge & Cox Stock Fund	256219106	Mutual Fund	545.37	94,083.62	94,426.40
Doubeline Core Fix Income	258620301	Mutual Fund	9,014.86	98,524.16	101,417.03
Harbor Capital Appreciation	411512528	Mutual Fund	734.16	50,008.61	80,720.99
Hartford Schroders	41665X859	Mutual Fund	4,945.12	73,820.62	84,215.53
iShares Russell Mid Cap	464287499	Mutual Fund	1,362.00	16,017.93	80,031.12
iShares SP500	464287408	Mutual Fund	332.00	41,591.20	38,581.72
MFS International	552746356	Mutual Fund	1,181.64	34,010.48	46,095.58
PGIM Total Return Bond	74440B884	Mutual Fund	6,876.07	100,300.66	102,521.40
Pimco Total Return Fund	693390700	Mutual Fund	9,319.13	96,985.93	101,951.30
Price T Rowe Growth	741479406	Mutual Fund	800.88	49,420.31	75,307.31
Undiscovered	904504479	Mutual Fund	942.97	56,765.41	44,998.90
US Bank PARS - OPEB Trust MM	MM4900	Money Market	163,373.29	163,373.29	163,373.29
Vanguard Growth & Income	921913208	Mutual Fund	3,393.57	242,668.04	312,650.99
Vanguard Real Estate	922908553	Mutual Fund	213.00	18,089.62	17,412.75
Vanguard Short Term	922031836	Mutual Fund	3,464.47	36,499.59	38,109.01
Victory RS	92647Q363	Mutual Fund	536.70	41,354.77	49,838.16
Sub Total / Average PARS OPEB Trust			215,764.20	1,426,653.06	1,681,554.21
Total / Average			215,764.20	1,426,653.06	1,681,554.21

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 8/31/2020

Description	CUSIP/Ticker	Security Type	Face Amount/Shares	Cost Value	Market Value
PARS Pension Trust					
Columbia Contrarian Fund	19766M709	Mutual Fund	41,213.13	1,054,828.21	1,264,006.42
DFA Large Cap	233203868	Mutual Fund	28,423.48	591,471.34	633,843.57
Dodge & Cox International	256206103	Mutual Fund	10,503.44	440,395.94	396,504.76
Dodge & Cox Stock Fund	256219106	Mutual Fund	4,982.60	927,972.72	862,685.79
Doubeline Core Fix Income	258620301	Mutual Fund	82,763.51	902,472.48	931,089.24
Harbor Capital Appreciation	411512528	Mutual Fund	6,740.20	485,746.47	741,085.30
Hartford Schroders	41665X859	Mutual Fund	45,400.32	685,039.15	773,167.62
iShares SP500	464287408	Mutual Fund	3,055.00	387,092.69	355,021.55
iShares Russell Mid Cap	464287499	Mutual Fund	12,506.00	92,345.59	734,852.56
MFS International	552746356	Mutual Fund	10,848.37	360,070.34	423,195.10
Pimco Total Return Fund	693390700	Mutual Fund	85,066.87	877,125.03	930,631.50
Price T Rowe Growth	741479406	Mutual Fund	7,352.78	486,576.71	691,382.83
PGIM Total Return Bond	74440B884	Mutual Fund	62,648.59	909,792.41	934,090.72
Undiscovered	904504479	Mutual Fund	8,645.88	532,269.40	412,581.03
Vanguard Growth & Income	921913208	Mutual Fund	30,932.12	2,360,616.98	2,849,776.15
Vanguard Short Term	922031836	Mutual Fund	31,621.53	332,026.98	347,836.62
Vanguard Real Estate	922908553	Mutual Fund	1,950.00	158,588.80	159,412.50
Victory RS	92647Q363	Mutual Fund	4,927.34	379,081.78	457,554.40
US Bank PARS - Pension Trust MM	MM4901	Money Market	402,916.10	402,916.10	402,916.10
Sub Total / Average PARS Pension Trust			882,497.26	12,366,429.12	14,301,633.76
Total / Average			882,497.26	12,366,429.12	14,301,633.76

Mesa Water District
 Transactions Summary
 PARS Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: PARS OPEB Trust
 Begin Date: 07/31/2020, End Date: 08/31/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Buy								
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	16.43	179.71	0.00	179.71
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	17.33	258.34	0.00	258.34
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	6.53	71.78	0.00	71.78
Sub Total / Average Buy					40.29	509.83	0.00	509.83
Dividend								
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	0.00	0.00	179.71	179.71
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	0.00	0.00	258.34	258.34
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	0.00	0.00	71.78	71.78
Doubeline Core Fix Income	258620301	0.000	8/31/2020	N/A	0.00	0.00	255.96	255.96
Sub Total / Average Dividend					0.00	0.00	765.79	765.79
Interest								
US Bank PARS - OPEB Trust MM	MM4900	0.000	8/31/2020	N/A	0.00	0.00	2.78	2.78
Sub Total / Average Interest					0.00	0.00	2.78	2.78

Mesa Water District
 Transactions Summary
 PARS Monthly Treasurer's Status Report - Investment Activity
 Group By: Action
 Portfolio / Report Group: PARS Pension Trust
 Begin Date: 07/31/2020, End Date: 08/31/2020

Description	CUSIP/Ticker	YTM @ Cost	Settlement Date	Maturity Date	Face Amount/Shares	Principal	Interest/Dividends	Total
Dividend								
Pimco Total Return Fund	693390700	0.000	8/31/2020	N/A	0.00	0.00	1,643.16	1,643.16
PGIM Total Return Bond	74440B884	0.000	8/31/2020	N/A	0.00	0.00	2,360.15	2,360.15
Vanguard Short Term	922031836	0.000	8/31/2020	N/A	0.00	0.00	656.33	656.33
Doubeline Core Fix Income	258620301	0.000	8/31/2020	N/A	0.00	0.00	2,349.90	2,349.90
Sub Total / Average Dividend					0.00	0.00	7,009.54	7,009.54
Interest								
US Bank PARS - Pension Trust MM	MM4901	0.000	8/31/2020	N/A	0.00	0.00	22.18	22.18
Sub Total / Average Interest					0.00	0.00	22.18	22.18



MONTHLY COMMITTEE

Major Staff Projects

Title	Comments	Status
Human Resource Information System/Payroll System	Human Resource Information System/Payroll System	In Process
Invoice Cloud	Invoice Cloud (New Billing System)	In Process



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MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: October 27, 2020
SUBJECT: State Advocacy Update

RECOMMENDATION

Receive and file the State Advocacy Update.

STRATEGIC PLAN

Goal #7: Actively participate in regional 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 27, 2020 meeting.

FINANCIAL IMPACT

In Fiscal Year 2021, \$175,000 is budgeted for Support Services; \$67,380 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Stacy Taylor, Water Policy Manager
DATE: October 27, 2020
SUBJECT: Orange County Update

RECOMMENDATION

Receive and file the Orange County Update.

STRATEGIC PLAN

Goal #7: Actively participate in regional water issues.

PRIOR BOARD ACTION/DISCUSSION

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

DISCUSSION

Mesa Water District's (Mesa Water®) government relations program includes monitoring local and regional political issues and policy-setting authorities (i.e., County of Orange, Orange County Local Agency Formation Commission, etc.). An updated Orange County report will be provided at the October 27, 2020 meeting.

FINANCIAL IMPACT

In Fiscal Year 2021, \$175,000 is budgeted for Support Services; \$67,380 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Celeste Carrillo, Public Affairs Coordinator
DATE: October 27, 2020
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 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 2021 Events

- **2020 Mesa Water Matters Video Contest:**

Tuesday, September 1 - Saturday, October 31, 2020

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 2021, \$595,330 is budgeted for the District's Public Affairs department expenses; \$213,105 has been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Phil Lauri, P.E., Assistant General Manager
DATE: October 27, 2020
SUBJECT: Meter Technology Pilot Project

RECOMMENDATION

Recommend that the Board of Directors amend W.A. Rasic Construction Company, Inc.'s on-call contract for an additional \$674,550 and a 10% contingency of \$67,455 for a total contract amount not to exceed \$892,005 for the Meter Technology Pilot Project.

STRATEGIC PLAN

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

PRIOR BOARD ACTION/DISCUSSION

At its May 2, 2019 meeting, the Board of Directors (Board) approved standardizing customer meter equipment and software, and implementing cellular endpoint technology across Mesa Water District's (Mesa Water®) high use accounts.

At its September 12, 2019 meeting, the Board awarded a contract with Badger Meter, Inc. using the Special Pricing Consideration contract option; and renegotiated contract pricing at the end of the contract term and accepted the lower of the Pricing Index increase or renegotiated Fixed Escalation.

BACKGROUND

Mesa Water has approximately 26,000 water meters ranging in size from 5/8" to 10". The District has a wide array of customers with major segments defined as residential, multi-family, commercial, industrial, and irrigation. 88% of the District's meters are 1" or less in size with 70% of total meters falling into the residential classification.

The District has mainly installed nutating disc style meters with manual encoders (dial style readers) in the small meter class (≤ 2 ") for the last several decades with as many as seven different meter manufacturers. Large meters (> 2 ") consist of disc meters, turbo meters, and compound meters. The District currently uses the Badger Read Center (BRC) as its meter reading interface with the Cogsdale Customer Service database. A variety of automated meter reading (AMR) technologies have also been installed and evaluated over the past two decades on hard to read meter locations and a small number of high usage customer accounts. The AMR technologies consist of devices that transmit meter encoder dial reads electronically to a remote computer or handheld device through radio frequencies. The AMR technologies consist of Touch Read devices (TR), classic endpoints (CE) with one-way transmission capabilities, and migratable endpoints (ME) with two-way transmission capabilities. The District currently has over 500 plus variations of AMR endpoints in



place with various ages and functionalities. Many of the older AMR devices originally installed have started to fail due to degrading battery life.

Standardizing meter technology is an important step with the ever growing requirement for information by a variety of stakeholders (e.g., customers, regulatory agencies, District staff, etc.). Standardization allows for efficient and accurate meter reading, data management, and equipment maintenance. For example, the District's existing AMR technology was a key component to the success of achieving the 25% target reduction during the State of California's drought restrictions and allowed the District to work with its higher use customers to identify areas where reductions could be made using AMR data profiling. However, what was recognized during this conservation mandate period was that many of the District's top users were not setup with AMR technologies, making data profiling and conservation management a difficult challenge.

While AMR technologies provide efficiency in meter reading solutions, there is a financial tradeoff to the amount of AMR technology that would be financially beneficial to implement. Analysis of the District's consumption reveals that approximately 50% of usage comes from 5% of its customers. This equates to 1,530 meters, with 60% of those meters in the 1.5" and 2" meter sizes. Equipping these Top 50% consumption meters with cellular technology would provide the District's highest users with real-time conservation management tools to proactively manage their consumption and would allow the District to collect monthly revenue without having to read the meters, among many other benefits (e.g., leak detection potential, etc.).

At its May 2, 2019 meeting, the Board designated Badger Meter Equipment and Software as the Mesa Water standard, and approved recommendations to implement cellular endpoints across all 1,530 meters and 58 routes representing the District's Top 50% usage to give real-time data management tools to both the District and its highest use customers. In addition, the Board approved recommendations to replace 107 of the 212 Route 600 meters with cellular endpoints and to replace the other meters with MEs as a pilot project.

At its September 12, 2019 meeting, a contract with Badger Meter, Inc. (Badger) was approved. The meters for the pilot project have been purchased and are ready to be installed. The purpose of the Meter Technology Pilot Project (MTPP) is to test the selected meter technology and integrate the new web-hosted Badger software system. Additionally, the MTPP will aid in the development of an implementation strategy while training operations and maintenance staff, maintaining efficient use of resources, and providing valuable tools to assist both Mesa Water and its customers in water conservation efforts.

DISCUSSION

Assessment of the MTPP installation requirements has determined that installation of the project meters would best be performed by one of Mesa Water's on-call contractors for the following reasons:

1. **Large Meter Installation Efficiencies:** Approximately 3% of meters within Mesa Water's distribution system are large meters (e.g., >2") and 75% of the MTPP meter installations. Mesa Water staff has extensive experience and is very proficient with all typical meter replacements. Since most large meters are typically repaired and recalibrated rather than replaced, minimal replacements occur in this meter class and efficiencies are not as



recognized. MTPP installation costs are compared with Mesa Water staff installation cost (based on CMMS data) as follows:

Meter Size (inches)	Paulus (\$/meter)	Rasic (\$/meter)	Mesa Water (\$/meter)
5/8"-1"	\$2,130	\$660	\$500
1.5"-2"	\$2,150	\$840	\$880
3"-4"	\$2,180	\$1,280	\$2,940
6"-8"	\$2,860	\$2,450	\$6,950

As shown in the table, Mesa Water staff's cost to replace meters 2" and less are less than or equal to the low bid. However, Mesa Water's on-call contractors are able to more efficiently replace the non-standard large meters.

- Deep Vault Installation:** Many of the Route 600 meters were installed in deep vaults over 66 years ago under varying industry standards. These meters are installed in locations at which construction work is difficult, such as in deep vaults requiring confined space entry, vaults in lanes of traffic, and meters that cannot be removed without replacing the entire vault. Thus, a Class A contractor is best equipped to perform the MTPP small and large meter replacements.
- Technology Integration:** In addition to the physical meter replacements, the installation requires a significant amount of technology and hardware integration. This integration into the meter reading system will be initially performed by a subcontractor familiar with the web-hosted Badger software and hardware mounting standards. The subcontractor will train Mesa Water staff on installation requirements for future technology implementation work.
- Meter Vault Replacements:** 68% (~\$500K) of the MTPP total construction cost is for replacement of nine vaults and twelve vault lids. This work is required to replace end-of-life non-standard vaults with standardized vaults to accommodate the new MTPP meter installations.

A Request for Bids (RFB) to install the purchased meters for the MTPP was developed and sent to Mesa Water's three on-call contractors. Two of the three contractors that received the RFB submitted a bid for the project. The bids are summarized as follows:

Rank	Bidder	Bid
1	W.A. Rasic Construction Company, Inc.	\$674,550
2	Paulus Engineering, Inc.	\$860,086

As one of three of Mesa Water's on-call contractors, W.A. Rasic Construction Company, Inc. has the requisite experience to perform the aforementioned work, the experience working with Mesa Water, and the extensive knowledge of the District's distribution system. Staff recommends that the Board consider amending the on-call contract with W.A. Rasic Construction Company, Inc. for \$674,550 and a 10% contingency of \$67,455 for a total contract amount not to exceed \$892,005 for the Meter Technology Pilot Project.



FINANCIAL IMPACT

In Fiscal Year 2021, \$674,550 will be spent for the construction phase of the Meter Technology Pilot Project; no funds have been spent to date.

ATTACHMENTS

None.



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MEMORANDUM

TO: Board of Directors
FROM: Denise Garcia, Administrative Services Manager
DATE: October 27, 2020
SUBJECT: Information Technology Data Center

RECOMMENDATION

Recommend that the Board of Directors:

- a. Award a five-year contract to Amazon Web Services in the amount of \$132,000 per year for a total contract amount not to exceed \$660,000 for a cloud-based data center services platform.
- b. Award a contract to T2 Technology Group, LLC for an amount not to exceed \$835,452 for the transition of the onsite information technology data center to a cloud-based data center.
- c. Approve an additional amount not to exceed \$175,000 for infrastructure, license subscription, and circuit connection to Amazon Web Services.

STRATEGIC PLAN

Goal #2: Practice perpetual infrastructure renewal and improvement.

Goal #3: Be financially responsible and transparent.

Goal #6: Provide outstanding customer service.

PRIOR BOARD ACTION/DISCUSSION

At its May 18, 2017 meeting, the Board of Directors (Board) received a presentation which described updates to the District's Information Technology (IT) Master Plan and highlighted the following improvements to its IT infrastructure:

- **Core Services:** Redundant IT Core Services that improve the reliability of key services required for the day-to-day operations of the IT environment.
- **Backup and Restoration:** Onsite and remote IT back up services that can be used to restore compromised IT data and software.
- **Security Management:** IT security components, such as firewall hardware/software, Windows update server, Web filtering software, and Virus protection services that provide protection against external and internal security threats.
- **Management and Monitoring System:** Systems and associated processes that improve visibility of the health and readiness of the IT environment services and components.
- **Information Technology Operations Plan:** Implementation of a new IT operations model with objectives to ensure a perpetual agency philosophy and achieve optimum operational efficiency. The centerpiece of this new model is the operations metrics program and associated continuous quality improvement (CQI) process.

DISCUSSION

Since 2013, T2 Tech Group, LLC (T2) has provided IT support services and project support services to Mesa Water District (Mesa Water®), including assessment of the District's previous program and implementation of the IT Master Plan (Plan).

T2 performed an analysis of the Mesa Water IT Data Center and determined that its equipment is



at vendor end of life, having been operational for five years - the upper range of the District's 3-5 year hardware refresh cycle. Replacement of this mission critical hardware is part of the 5-Year Plan, and the funding for this effort is included in the IT capital budget for Fiscal Years 2021 and 2022.

Findings

The following drivers are increasing the risk of providing secure, reliable, and cost effective IT services to support Mesa Water's operations:

- There is growing dependency on information technology infrastructure for day to day operations, providing good customer service, and maintaining an efficient financial cost model.
- The intensity and sophistication of IT security threats to essential services such as the electrical grid, water supply, transportation, communications, and financial services has and will continue to increase.
- The security risks associated with the strategy to extend accessibility to corporate IT services from the more secure Mesa Water District main headquarter IT facility, accelerated by the current COVID situation, to the more exposed remote/work from home IT environment are much higher.
- Over the past 10 years, the trend to move from a dedicated onsite data center to cloud-based data center services has accelerated from a trend to an industry best practice as organizations seek to continually improve IT services delivery to their customers and maintain an efficient cost model.

Recommendations

DATA CENTER STRATEGY: Staff recommends transitioning the Mesa Water IT Data Center from an onsite self-supported facility to a cloud-based data center services platform.

Staff's recommendation is based on the following key factors:

- **AVAILABILITY:** Provides improved IT services availability through redundant, geographically distributed data center facilities.
- **BACK UP SERVICES:** Provides improved, geographically dispersed, and scalable data backup capabilities with improved IT services restoration turnaround times.
- **MONITORING & SUPPORT:** Provides a second set of eyes for mission critical data center technical/operational metrics monitoring and a second set of hands for technical issue escalation and remediation processes.
- **SECURITY:** Both providers evaluated offer solutions that will meet common regulatory compliance needs, providing a relatively high level of assurance that they are adhering to generally accepted practices for the security of their systems.
- **RESOURCE UTILIZATION:** Allows IT support services staff the ability to spend a greater percentage of their time focusing on department-facing IT systems and services.



- **HARDWARE REPLACEMENT RISK:** Reduces the design, implementation, and operational disruption risks of the 5-year data center hardware replacement process.
- **COMPLEXITY RISK:** Reduces the dependency on Mesa Water-based IT resources to build, support, and maintain an increasingly complex IT data center environment.
- **COST MANAGEMENT:** While there is an approximately 5-10% reduction in the Total Cost of Ownership over five years, cost is not the primary driver for this strategy.

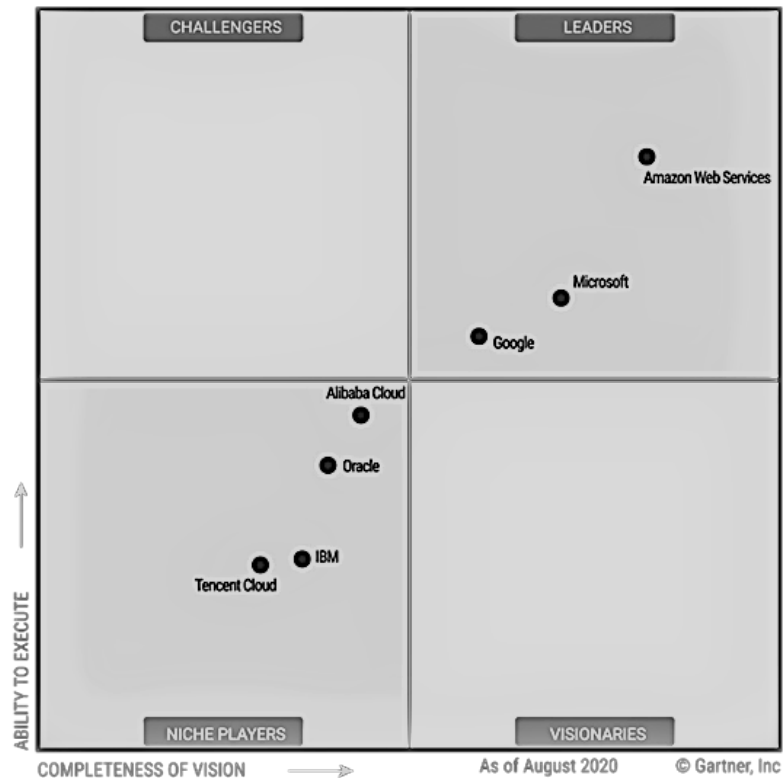
Please reference Attachment A for a side by side assessment of the onsite facility vs. the cloud-based data center services strategy.

CLOUD-BASED DATA CENTER SERVICES PROVIDER: Staff recommends utilizing Amazon Web Services (AWS) as the District's cloud-based data center services provider. AWS and Microsoft Azure (Azure) are the clear market leaders with AWS leading in Maturity, Market Share, and the 2020 Gartner Group Magic Quadrant that measures Ability to Execute and Completeness of Vision.

While AWS currently leads in the key factors used in this analysis, these gaps may close as this market matures and becomes more competitive.

Staff's recommendation is based on the following key factors:

- **MATURITY:** AWS was first to market (2006) by four years and sustained its leadership by continued, significant investment in facilities and services. This has resulted in Gartner describing AWS as "the most mature, enterprise ready cloud services provider."
- **AVAILABILITY:** Due to its head start and continued investment, AWS also has the most developed, distributed data center infrastructure (defined by data center zones) that translates to more highly available, fault tolerant, and scalable data center services.
- **MARKET SHARE:** Synergy Research Group's figures for Q3 2019 have AWS as the clear market leader globally for data center cloud services with market share at 33%, followed by Azure at 18%.
- **FEATURE SET:** Both vendors offer many products that can meet Mesa Water's needs. However, AWS -- as can be seen from the Gartner report -- has excelled in its ability to deliver and in its vision for the future. AWS does have an edge over Azure and is the preferred selection.
- **PRICING:** The cost models for both AWS and Azure are competitive and do not vary more than 5% from each other. Pricing was not a significant factor in the recommendation to move forward with AWS.
- **GARTNER ANALYSIS:** AWS has a significant advantage in both Ability to Execute and Completeness of Vision as shown by the August 2020 Gartner Magic Quadrant:



ABILITY TO EXECUTE	COMPLETENESS OF VISION
Reflects factors such as the vendor’s financial viability, market responsiveness, product development, sales channels, and customer base.	Reflects the vendor’s innovation, whether the vendor drives or follows the market, and if the vendor’s view of how the market will develop matches Gartner’s perspective.
<ul style="list-style-type: none"> Product/Service 	<ul style="list-style-type: none"> Market Understanding
<ul style="list-style-type: none"> Overall Viability 	<ul style="list-style-type: none"> Marketing Strategy
<ul style="list-style-type: none"> Sales Execution/Pricing 	<ul style="list-style-type: none"> Sales Strategy
<ul style="list-style-type: none"> Market Responsiveness/Record 	<ul style="list-style-type: none"> Offering (Product) Strategy
<ul style="list-style-type: none"> Marketing Execution 	<ul style="list-style-type: none"> Business Model
<ul style="list-style-type: none"> Customer Experience 	<ul style="list-style-type: none"> Vertical/Industry Strategy
<ul style="list-style-type: none"> Operations 	<ul style="list-style-type: none"> Innovation
	<ul style="list-style-type: none"> Geographic Strategy



CLOUD-BASED DATA CENTER TRANSITION PROJECT VENDOR: Staff recommends authorizing T2 Tech Group, LLC (T2) to implement and manage the Cloud-Based Data Center Transition Project. T2’s knowledge of the District’s IT environment and operational processes will provide an advantage resulting in cost efficiencies, shorter project duration, and a deliverable that will best meet Mesa Waters strategic and operational objectives. Staff believes T2 is uniquely qualified to implement and manage this project for the following reasons:

- T2 has successfully architected, implemented, and managed the operational management of the District’s IT Data Center infrastructure environment as a part of the 2015 IT Master Plan.
- In addition to the 2015 data center transition, T2 has also successfully executed the design, implementation, and project management of data center transition projects for Sharp Healthcare, Kootenai Health System, and QueensCare Health Centers.
- Having a single vendor perform the migration, as well as other related capital projects, will bring economies of scale; all of the projects planned for 2021 are intertwined and need to coexist together based on the enterprise design.

FINANCIAL IMPACT

Staff estimates that Mesa Water will save \$750,000 over a five-year period. This savings includes (1) \$50,000 per year in onsite data center hardware vendor support costs and reduced power/cooling costs and (2) a minimum of \$500,000 required to do a hardware refresh in five years.

Resource	Fee Schedule	2021	5 Year Total
Labor	One time	\$835,452	\$835,452
AWS	Annual	\$132,000	\$660,000
Infrastructure	One time	\$100,000	\$100,000
Maintenance/Subscription	Annual	\$40,000	\$200,000
Circuit	Annual	\$32,000	\$160,000
Total		\$1,139,452	\$1,955,452

ATTACHMENTS

- Attachment A: Data Center Strategy
- Attachment B: Features Comparison
- Attachment C: IT Security Initiatives

Data Center Strategy

Two primary options for the refresh of the IT Data Center strategy were considered:

- **Traditional On-Site Data Center:** Defined as a group of servers that an organization privately own and controls.

Traditionally, organizations have procured infrastructure equipment hosted in a physical data center. The data center is required to be powered and cooled at all times, to have the capacity to store all required equipment, and to provide connectivity to the internet. It must be able to handle the demand for growth of the organization.

The organization's systems -- composed of applications, data and databases running on the operating systems of virtual/physical servers, and network connectivity -- make up the infrastructure equipment.

Storage, backup, and recovery services are also executed in the data center. These data centers and their equipment have large investment costs to maintain. This equipment is usually required to be replaced every five years.

- **Cloud-Based Data Center Services Platform:** Defined as a third party service provider that provisions data center equipment and services on an as-needed basis. These resources are shared by multiple companies, with all data secured by encryption services.

Over the last ten years, cloud-based data center services have become the new standard for organizations. This shift is due to the ability to offer the latest technology solutions and sharing models across a large economy of scale. Cloud-based data center services providers have been able to offer their facilities, equipment, staff and services at a lesser cost than an organization without this economy of scale.

Cloud-based data center services providers also have the ability to scale capacity up and down as needed, to provide multiple data centers to offer disaster recovery, to renew their infrastructure equipment continuously guaranteeing levels of performance, and are purpose built data centers providing optimized cooling and power.

The following table was developed to assess the key factors in determining between the two options for the refresh of the IT Data Center:

	On-Site Data Center	Cloud-Based Data Center
Dedicated Mesa Water District Data Center HW/SW	Y	N
Customizable hardware	Y	N
Redundant external internet communications	Y	Y
Lower total cost of ownership	N	Y
Capacity easy to scale up and down	N	Y
Avoid large, regular Infrastructure investments	N	Y
Pay as you go, usage-based pricing	N	Y
Built-in IT infrastructure HW-SW upgrades	N	Y
Built-in automated data backups & recovery	N	Y
Near zero downtime risk – fully redundant	N	Y

Following the assessment, Mesa Water determined that transitioning to a cloud-based data center services platform was the best option. Further assessment and analysis yielded the following information:

Cloud-Based Data Center Services Attributes

- Improved cost efficiency of perpetual infrastructure management by reducing the requirement for large capital investments of physical hardware and efficiencies in operational support costs.
- Improved capability to provide outstanding customer service by offering better options for backup services, disaster recovery, redundancy, and IT services availability for Mesa Water staff and customers.
- Aligns with and augments the District’s IT security framework.
- Enables IT staff support resources to be more focused on staff support and departmental system initiatives.
- Decreases the District’s long-term IT facilities’ power, space, and cooling requirements.

Industry Best Practices

- A Barron’s article stated that the Amazon Web Services (AWS) public sector is growing “with an increasing focus on facilitating ease of use, migration from traditional IT infrastructure, security and compliance.”
- Other mission critical operations such as healthcare are transitioning from on-site to cloud-based data center services platforms.
- The AWS line is a leader in the marketplace per the Gartner Group Magic Quadrant analysis in both their Ability to Execute and Completeness of Vision.

Features Comparison

Features	Amazon Web Services	Microsoft Azure
Launched Date	2006	2010
Market Share	33%	18%
Pricing Models	Equal	Equal
Ecosystem	Large	Medium
Support for Big Data	Yes	Limited
Maturity	Yes	Growing
Setup	Easy	Easy
Long Term Data Archiving	Yes	No
Support	24* 7 pro support	24*7 standard support



IT Security Initiatives

The industry best practices IT security capabilities provided by AWS's Cloud-Based Data Center Services strategy include firewalls, intrusion detection, content filtering, and threat detection.

These capabilities will augment and strengthen Mesa Water's IT Master Plan Phase 2 security initiatives for Fiscal Years 2020 and 2021. These initiatives are broken down into the following layers:

- **7/24 EXTERNAL SECURITY MONITORING:** A third-party Security Information and Event Management (SIEM) provider will monitor the Mesa Water network 24/7 to identify any suspicious activity or attacks, and will quarantine any device or computer that it believes to be compromised. This is managed by Secureworks, a publicly traded company majority owned by Dell.
- **MOBILE DEVICE MANAGEMENT:** The administration of mobile devices will prevent any unauthorized devices from connecting to the network from the outside. This is managed via Air Watch, a leading Mobile Device Manager.
- **USER AUTHENTICATION:** Multi-factor authentication will require all remote employees to identify themselves using a mobile device in addition to entering their login credentials. This is managed via Okta, a leading provider of identity and access management solutions.
- **DEVICE SECURITY:** This software was installed on all Mesa Water users' devices and protects all computers from viruses, ransom ware attacks, and other vulnerabilities. This is managed by VMware - Carbon Black, a leading provider in data loss protection.

REPORTS:

13. REPORT OF THE GENERAL MANAGER

REPORTS:

14. DIRECTORS' REPORTS AND COMMENTS



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MEMORANDUM

TO: Board of Directors
FROM: Marwan Khalifa, CPA, MBA, Chief Financial Officer
DATE: October 27, 2020
SUBJECT: Statement of Investment Policy

RECOMMENDATION

This item is provided for information.

STRATEGIC PLAN

Goal #3: Be financially responsible and transparent.

PRIOR BOARD ACTION/DISCUSSION

At its December 14, 2017 meeting, the Board of Directors (Board) adopted Resolution No.1506 Delegating Authority Relative to Investment or Reinvestment of Funds, and Providing for a Revised Statement of Policy, Rescinding Resolution No. 1431. The resolution sets forth the delegation of such authority to its District Treasurer to invest, reinvest, sell, or exchange securities in accordance with the Statement of Investment Policy. The intention of this resolution is to maintain proper financial controls and reinforce the Board's oversight.

DISCUSSION

Staff and legal counsel have reviewed the current policy and are not proposing any updates; therefore, staff does not have any recommended changes at this time.

FINANCIAL IMPACT

None.

ATTACHMENTS

Attachment A: Resolution No. 1506

RESOLUTION NO. 1506

RESOLUTION OF THE MESA WATER DISTRICT BOARD OF DIRECTORS DELEGATING AUTHORITY RELATIVE TO INVESTMENT OR REINVESTMENT OF FUNDS, AND PROVIDING FOR A REVISED STATEMENT OF INVESTMENT POLICY, RESCINDING RESOLUTION NO. 1431

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

WHEREAS, Mesa Water from time to time has money held by its District Treasurer not required for the immediate necessities of Mesa Water (investment portfolio) and is authorized by law including, but not by way of limitation, Section 53601, et. seq., of the Government Code of the State of California, to invest such money in the manner provided by law; and

WHEREAS, Section 53607 of the Government Code authorizes the Board of Directors of Mesa Water to delegate such authority to its District Treasurer to invest, reinvest, sell, or exchange securities until such time as this delegation of authority is revoked; and

WHEREAS, Mesa Water has previously adopted Resolution No. 1431, delegating authority relative to investment or reinvestment of funds and providing for a Statement of Investment Policy; and

WHEREAS, it is the desire of the Board of Directors of Mesa Water to renew the delegation of such authority and provide for a revised Statement of Investment Policy.

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

Section 1. That the Board of Directors of Mesa Water does hereby delegate authority to the District Treasurer to invest and reinvest funds pursuant to all applicable laws, statutes, and regulations of the State of California as set forth in this Resolution. The Board of Directors reserves the right to provide for delegation of investment authority in the future by way of resolution or by motion.

Section 2. That the revised Statement of Investment Policy of Mesa Water is hereby adopted as set forth in Exhibit "A" attached to this Resolution, which is incorporated by this reference and shall be deemed to be effective on December 14, 2017 and every fiscal year hereafter unless changed or modified by further action of this Board of Directors.

Section 3. That Resolution No. 1431 of Mesa Water is rescinded effective December 14, 2017.

ADOPTED, SIGNED, and APPROVED this 14th day of December 2017 by a roll call vote.

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



Denise Garcia
District Secretary



Jim Atkinson
President, Board of Directors

RESOLUTION NO. 1506

EXHIBIT A

RESOLUTION OF THE MESA WATER DISTRICT BOARD OF DIRECTORS DELEGATING AUTHORITY RELATIVE TO INVESTMENT OR REINVESTMENT OF FUNDS, AND PROVIDING FOR A REVISED STATEMENT OF INVESTMENT POLICY, RESCINDING RESOLUTION NO. 1431

Statement of Investment Policy
FY18

1.0 Policy

It is the policy of Mesa Water District (Mesa Water®) to invest public funds in a manner that will provide the highest investment return with the maximum security while meeting the daily cash flow demands of the District. The investment policies and practices of Mesa Water are based upon prudent money management and shall conform to all federal, state and other applicable laws governing the investment of public funds.

Although no longer required by California Government Code (CGC) Section 53646, the District Treasurer will render to the Board of Directors (Board) a Statement of Investment Policy for consideration and approval at a public meeting. Any investment currently held at that time that does not meet the guidelines of this policy, as changed from time to time by the Board, shall be exempt from the requirements of this policy. However, at the investment's maturity or liquidation, such funds shall be reinvested only as provided by this policy.

2.0 Scope

This Statement of Investment Policy (SIP) applies to all financial assets of Mesa Water except the California Public Employees Retirement System (CalPERS) (which has its own investment policy), Public Agencies Post-Employment Benefits Trust (which is administered by Resolution No. 1499), deferred compensation plan (governed by a separate Plan Document) and Certificate of Participation (COP) funds (governed by the applicable Trust Indentures), which are administered separately.

This SIP is set forth by Mesa Water for the following purposes:

- a. To establish a clear understanding for the Board, Finance Committee, Mesa Water management and responsible employees, citizens and third parties, of the objectives, policies and guidelines for the investment of Mesa Water's excess funds that are not required for immediate use.
- b. To offer guidance to investment staff, brokers and any external investment advisors on the investment of Mesa Water funds.

3.0 Objective

Subject to the overriding requirement of compliance with all federal, state and other applicable laws governing the investment of moneys under the control of the District Treasurer, and as specified in the CGC Section 53600.5, when investing, reinvesting, purchasing, acquiring, exchanging, selling and managing public funds, the primary objectives, in priority order, of the investment activities shall be:

3.1 Safety of Principal

Safety of principal is the foremost objective. Investments of Mesa Water shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall investment portfolio. To attain this objective diversification is advisable in order that potential losses on individual securities do not exceed the income generated from the remainder of the portfolio.

Each investment transaction shall seek to ensure that capital losses are avoided, whether from issuer default, broker/dealer default or erosion of market value. Mesa Water shall seek to preserve capital by mitigating credit risk and market risk, as identified below:

3.1. A Credit Risk

Credit risk is the risk of loss due to failure of the issuer to repay an obligation. It shall be mitigated by investing in only very safe institutions and by diversifying the investment portfolio so that the failure of any one issuer would not unduly harm Mesa Water's cash flow.

3.1. B Market Risk

Market risk is the risk of market value fluctuations due to overall changes in the general level of interest rates and shall be mitigated by:

- 1) Structuring the investment portfolio so that securities mature at the same time major cash outflows occur, thereby eliminating the need to sell securities prior to their maturity; and
- 2) Prohibiting the selling of securities that Mesa Water does not own (taking short positions); and
- 3) Limiting the maximum maturity of any one security in the investment portfolio to five years.

It is explicitly recognized that, in a diversified investment portfolio, occasional market value losses may be inevitable even in investments to be held to maturity. Such losses must be considered within the context of overall investment return.

3.2 Liquidity

Mesa Water's investment portfolio will remain sufficiently liquid to enable the District to meet all operating and emergency requirements, which might be reasonably anticipated.

An amount equal to the adopted levels of the Operating Fund and Working Capital Cash will be kept fully liquid at all times.

3.3 Return on Investments

State law requires that the objective of return on investments be subordinate to the objectives of safety and liquidity. Mesa Water's investment portfolio shall be designed with the objective of attaining a rate of return throughout budgetary and economic cycles, taking into account Mesa Water's investment risk constraints and the cash flow characteristics and requirements of Mesa Water's funds and of the portfolio.

Whenever possible, consistent with risk limitations and prudent investment principles, Mesa Water shall make an effort to achieve returns at the market average rate of return, defined, for the purpose of this SIP, as the average rate of return on three-month US Treasury Bills or other benchmarks, as appropriate, depending on the make-up of the portfolio.

4.0 Delegation of Authority

Authority to manage Mesa Water's investment program is derived from Section 53607 of the CGC, which authorizes the Board of Mesa Water to delegate authority to invest, reinvest, sell or exchange securities for a period of one year. This responsibility may be delegated to the District Treasurer (by Board action), who shall establish written procedures for the administration of this SIP. The Board may renew this delegation pursuant to state law each year.

The Board of Mesa Water, the General Manager, District Treasurer and the District Secretary shall be signatories on all accounts at commercial banks, the Orange County Treasurer's Money Market Investment Pool (OCIP) and at the State managed Local Agency Investment Fund (LAIF), to access accounts for these and other authorized investments consistent with this SIP.

5.0 Prudence

Investments shall be made in the context of the "Prudent Investor" standard pursuant to CGC Section 53600.3, which states in relevant part:

"When investing, reinvesting, purchasing, acquiring, exchanging, selling, or managing public funds, a trustee shall act with care, skill, prudence, and diligence under the circumstances then prevailing, including, but not limited to, the general economic conditions and the anticipated needs of the agency, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the agency. Within the limitations of this section and considering individual investments as part of an overall strategy, investments may be acquired as authorized by law."

Mesa Water employees, acting in accordance with the provisions of the written policies and procedures and this SIP, and exercising due diligence, shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided

that deviations from expectations are reported to the Finance Committee at the next regularly scheduled Finance Committee meeting, but within 30 days, and that appropriate action is taken to control adverse developments.

6.0 Ethics and Conflicts of Interest

The District Treasurer and other Mesa Water Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program or which could impair their ability to make impartial investment decisions. The District Treasurer and investment employees shall disclose any material interests in financial institutions with which they conduct business. They shall further disclose any personal financial/investment positions that could be related to the performance of the investment portfolio and shall refrain from undertaking personal investment transactions with the same individual with whom business is conducted on behalf of Mesa Water.

During the course of the year, if there is an event subject to disclosure that could impair the ability of the District Treasurer or investment employees to make impartial decisions, Mesa Water's General Manager and Board will be notified as soon as practicable upon discovery of the event.

The District Treasurer is required to file annual disclosure statements as required by the Fair Political Practices Commission (FPPC).

7.0 Authorized Financial Dealers and Institutions

Mesa Water shall transact business only with commercial banks, savings and loans, LAIF, OCIP and registered investment securities dealers. The purchase of any investment, other than those purchased directly from the issuer, shall be purchased either from an institution licensed by the State of California (State) as a broker-dealer, as defined in Section 25004 of the Corporations Code, who is a member of the National Association of Securities Dealers, or a member of a Federally regulated securities exchange, a National or State-Chartered Bank, or a savings association or Federal Association (as defined by Section 5102 of the Financial Code).

The District Treasurer shall investigate all institutions that wish to do business with Mesa Water in order to determine if they are adequately capitalized, make markets in securities appropriate to Mesa Water's needs and agree to abide by the conditions set forth in this SIP.

The District Treasurer shall maintain a list of broker/dealers and institutions authorized to provide investment services and shall conduct an annual review of the financial condition of qualified institutions. In addition, a current financial statement is required to be on file for each qualified institution.

8.0 Authorized and Suitable Investments

Authorized investments are stated in the CGC Sections 16429.1, 53601, 53635 and 53649. Mesa Water's authorized investments are more restrictive than the investments authorized by law.

The following investments are authorized under this Statement of Investment Policy:

- 8.1** United States Treasury notes, bonds, bills or certificates of indebtedness, or those for which the faith and credit of the United States are pledged for the payment of principal and interest.
- 8.2** United States agencies; federal agency or United States Government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or United States government-sponsored enterprises.
- 8.3** Registered State of California (State) warrants or treasury notes or bonds of this state, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the State or by a department, board, agency, or authority of the state.
- 8.4** Bonds, notes, warrants, or other evidences of indebtedness of any local agency within this State, including bonds payable solely out of the revenues from a revenue-producing property owned, controlled, or operated by the local agency, or by a department, board, agency, or authority of the local agency. Investments in this category must be rated at least investment grade as provided for by a Nationally Recognized Statistical-Rating Organization (NRSRO).
- 8.5** Purchases of Banker Acceptances which may not exceed 180 days maturity or 40 percent of the agency's money and no more than 30 percent of the agency's money may be invested in the banker's acceptances of any one commercial bank.
- 8.6** Commercial paper of "prime" quality of the highest ranking or of the highest letter and numerical rating as provided for by a NRSRO. Eligible paper is further limited to issuing corporations that are organized and operating within the United States as a general corporation and having total assets in surplus of five hundred million dollars (\$500,000,000) and having an "A" or higher rating (or equivalent) for the issuer's debt, other than commercial paper, if any, as provided for by a NRSRO. Purchases of eligible commercial paper may not exceed 270 days maturity nor represent more than 10 percent of the outstanding paper of an issuing corporation. Purchases of commercial paper may not exceed 25 percent of Mesa Water's investment portfolio at any time.
- 8.7** Negotiable certificates of deposits issued by a nationally or state-chartered bank, a savings association or federal association (as defined by Section 5102 of the Financial Code), a state or federal credit union, or by a federal or state-licensed branch of a foreign bank. Purchases of negotiable certificates of deposit may not exceed 30 percent of the investment portfolio and the maximum maturity date shall not exceed five years, and are subject to the limitations of CGC Section 53601(i).

- 8.8** Investments in repurchase agreements may be made, on any investment authorized in this section, when the term of the agreement does not exceed one year. The market value of the securities used as collateral for the repurchase agreements shall be monitored by the investment staff and shall not be allowed to fall below 102 percent of the value of the repurchase agreement.

Reverse repurchase agreements or securities lending agreements may be utilized only when all the conditions in CGC Section 53601(j) are met.

- 8.9** Medium-term notes, defined as all corporate and depository institution debt securities with a maximum remaining maturity of five years or less, issued by a corporation organized and operating within the United States or by depository institutions licensed by the United States or any state and operating within the United States. Notes eligible for investment under this subdivision shall be rated "A" or better by a NRSRO. Purchases of medium-term notes shall not include other instruments authorized by this section and may not exceed 30 percent of Mesa Water's money that may be invested pursuant to CGC Section 53601 and Mesa Water's SIP.
- 8.10** Notes, bonds, or other obligations that are at all times secured by a valid first priority security interest in securities of the types listed by CGC Section 53651 as eligible securities for the purpose of securing local agency deposits having a market value at least equal to that required by CGC Section 53652 for the purpose of securing local agency deposits. The securities serving as collateral shall be placed by delivery or book entry into the custody of a trust company or the trust department of a bank that is not affiliated with the issuer of the secured obligation, and the security interest shall be perfected in accordance with the requirements of the Uniform Commercial Code or federal regulations applicable to the types of securities in which the security interest is granted.
- 8.11** Any mortgage pass through security, collateralized mortgage obligation, mortgage-backed or other pay-through bond, equipment lease-backed certificate, consumer receivable pass through certificate, or consumer receivable-backed bond of a maximum of five years maturity. Securities eligible for investment under this subdivision shall be issued by an issuer having an "A" or higher rating for the issuer's debt as provided by a nationally recognized rating service and rated in a rating category of "AA" or its equivalent or better by a nationally recognized rating service. Purchase of securities authorized by this subdivision may not exceed 10 percent of the agency's surplus money that may be invested.
- 8.12** Shares of beneficial interest issued by a joint powers authority organized pursuant to CGC Section 6509.7. Each share shall represent an equal proportional interest in the underlying pool of securities owned by the joint powers authority. To be eligible under this section, the joint powers authority issuing the shares shall have retained an investment advisor that meets all of the following criteria:

- 8.12. A.** The advisor is registered or exempt from registration with the Securities and Exchange Commission.
- 8.12. B.** The advisor has not less than five years of experience investing in the securities and obligations authorized in CGC Section 6509.7.
- 8.12. C.** The advisor has assets under management in excess of five hundred million dollars (\$500,000,000).
- 8.13** United States dollar denominated senior unsecured unsubordinated obligations issued or unconditionally guaranteed by the International Bank for Reconstruction and Development, International Finance Corporation, or Inter-American Development Bank, with a maximum remaining maturity of five years or less, and eligible for purchase and sale within the United States. Investments under this subdivision shall be rated in a rating category of "AA" or its equivalent or better by an NRSRO and shall not exceed 30 percent of Mesa Water's moneys that may be invested pursuant to this section.
- 8.14** Notwithstanding CGC Section 53601 or any other provision of this code, a local agency, at its discretion, may invest a portion of its surplus funds in Certificates of Deposit Account Registry Service (CDARS) at a commercial bank, savings bank, savings and loan association, or credit union that uses a private sector entity that assists in the placement of certificates of deposit, provided that the purchases of certificates of deposit pursuant to this section, CGC Section 53601.8, and subdivision (h) of Section 53601 do not, in total, exceed 30 percent of the agency's funds that may be invested for this purpose. The following conditions shall apply:
- (a) The local agency shall choose a nationally or state chartered commercial bank, savings bank, savings and loan association, or credit union in this state to invest the funds, which shall be known as the "selected" depository institution.
- (b) The selected depository institution may use a private sector entity to help place local agency deposits with one or more commercial banks, savings banks (savings and loan associations), or credit unions that are located in the United States and are within the network used by the private sector entity for this purpose.
- (c) Any private sector entity used by a selected depository institution to help place its local agency deposits shall maintain policies and procedures requiring both of the following:
- (1) The full amount of the principal and the interest that may be accrued during the maximum term of each certificate of deposit shall at all times be insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration; and
 - (2) Every depository institution where funds are placed shall be capitalized at a level that is sufficient, and be otherwise eligible, to receive such deposits pursuant to regulations of the Federal

Deposit Insurance Corporation or the National Credit Union Administration, as applicable.

(d) The selected depository institution shall serve as a custodian for each such deposit.

(e) On the same date that the local agency's funds are placed pursuant to subdivision (b) by the private sector entity, the selected depository institution shall receive an amount of insured deposits from other financial institutions that, in total, are equal to, or greater than, the full amount of the principal that the local agency initially deposited through the selected depository institution pursuant to subdivision (b).

(f) Notwithstanding subdivisions (a) to (e), inclusive, a credit union shall not act as a selected depository institution under this section or CGC Section 53601.8 unless both of the following conditions are satisfied:

(1) The credit union offers federal depository insurance through the National Credit Union Administration.

(2) The credit union is in possession of written guidance or other written communication from the National Credit Union Administration authorizing participation of federally-insured credit unions in one or more certificate of deposit placement services and affirming that the moneys held by those credit unions while participating in a deposit placement service will at all times be insured by the federal government.

(g) The depositions placed pursuant to this section and CGC Section 53635.8 shall not, in total, exceed 30 percent of Mesa Water's funds that may be invested for this purpose.

8.15 The Local Agency Investment Fund, established by the California State Treasurer for the benefit of local agencies and identified under the CGC Section 16429.1. The maximum investment authorized is the maximum amount permitted by the State Treasurer, currently at \$50,000,000 per account.

8.16 Time deposits, non-negotiable and collateralized in accordance with California Government Code, may be purchased through banks or savings and loan associations. The maximum maturity date shall not exceed five years.

8.17 The Orange County Treasurer's Money Market Investment Pool, established by the County of Orange. Mesa Water's investments will be made in accordance with the CGC Section 53684.

8.18 Shares of beneficial interest issued by diversified management companies (otherwise known as "mutual funds"), as defined in Section 23701 of the Revenue and Taxation Code, investing in the securities and obligations stated in the CGC Sections 16429.1, 53601 and 53649. No more than 20 percent of Mesa Water's investment portfolio shall be invested in this option at any time. No more than 10 percent of Mesa Water's portfolio may be invested in shares of a beneficial interest of any one mutual fund.

To be eligible for investment by Mesa Water, diversified management companies shall:

- 8.18. A.** Attain the highest ranking or the highest letter and numerical rating provided by not less than two of the three largest NRSRO's; and
- 8.18. B.** Have an investment advisor registered with the Securities and Exchange Commission with not less than five years' experience investing in the securities and obligations stated in the CGC Sections 16429.1, 53601 and 53649, and with assets under management in excess of five hundred million dollars (\$500,000,000); and
- 8.18. C.** Shall not include in the purchase price of shares of beneficial interest purchased any commission that these companies may charge.

9.0 Investment Pools

A thorough investigation of the pool/fund is required prior to investing, and on a continual basis. A questionnaire shall be developed by the District Treasurer that will address the following general considerations:

- A description of eligible investment securities, and a written statement of investment policy and objectives.
- A description of interest calculations and how it is distributed, and how gains and losses are treated.
- A description of how the securities are safeguarded (including the settlement processes), and how often the securities are priced and the program audited.
- A description of who may invest in the program, how often and what size deposit and withdrawal.
- A schedule for receiving statements and portfolio listings.
- Are reserves, retained earnings, etc., used by the pool/fund?
- A fee schedule and when and how it is assessed.
- Is the pool/fund eligible for bond proceeds and/or will it accept such proceeds?

10.0 Prohibited Investment Vehicles and Practices

Investment staff is prohibited from investing Mesa Water's portfolio in the following:

- State laws notwithstanding, any investments not specifically described herein under Sections 8.0 through 9.0 are prohibited.
- Borrowing for investment purposes (Leverage) is prohibited.
- Buying or selling securities "on Margin" is prohibited.
- Investing in any instrument that is commonly known as a "derivative" instrument (options, futures, swaps, caps, floors, collars, U.S. Treasury zero coupon bonds, U.S. Treasury strips, interest-only bonds, interest-only strips derived from mortgage pools), or any investment that may result in a zero interest accrual, even if held to maturity, is prohibited.
- Under the provisions of CGC Sections 53601.6 and 53631.5, Mesa Water shall not invest any funds covered by this SIP in instruments known as Structured

Notes (e.g., inverse floaters, leverage floaters, structured CD's, range notes, equity-linked securities). Any such investments are prohibited.

- Trading securities for the sole purpose of speculating on the future direction of interest rates is prohibited.

11.0 Collateralization

The CGC Sections 53652 through 53667, inclusive, requires depositories to post certain types and levels of collateral for public funds above the Federal Deposit Insurance Corporation (FDIC) insurance amounts. The collateral requirements apply to bank deposits, both active (checking and savings accounts) and inactive (non-negotiable time certificates of deposit).

12.0 Safekeeping and Custody

All investment transactions, including collateral for repurchase agreements, entered into by Mesa Water shall be conducted on a delivery-versus-payment (DVP) basis. Securities will be held by a third party custodian, acting as an agent for Mesa Water under the terms of the custody agreement, designated by the District Treasurer and evidenced by safekeeping receipts.

13.0 Diversification

Mesa Water will diversify its investments by security type and institution. With the exception of U.S Treasuries, the LAIF, or the OCIP, no more than 50 percent of Mesa Water's total investment portfolio will be invested in a single security type or with a single financial institution.

14.0 Maximum Maturities

To the extent practical, Mesa Water will attempt to match its investments with anticipated cash flow requirements. Unless matched to a specific cash flow, Mesa Water will not directly invest in securities maturing more than five years from the date of purchase.

15.0 Internal Controls and External Review

The District Treasurer shall maintain a system of internal controls in order to assure compliance with Mesa Water's written policies and procedure, this SIP, and also including but not limited to prior authorization and approvals, properly designed records, security of assets and records, segregation of incompatible duties, periodic reconciliations, periodic verification and timely preparation of reports in conformance with Section 17.0.

As part of Mesa Water's annual audit, the external auditor retained by the Board shall review the internal controls. The external audit shall provide those reviews and opinions as are required for the independent auditor's reports. The Board reserves the right to request additional reviews or opinions as to this SIP as the Board shall determine and direct.

16.0 Performance Standards

The investment portfolio shall be designed with the objective of obtaining a rate of return throughout budgetary and economic cycles commensurate with Mesa Water's investment risk constraints and cash flow needs.

17.0 Reporting

17.1 Monthly Transaction Report

The District Treasurer shall submit a monthly report of investment transactions through the Finance Committee to Mesa Water's Board of Directors in conformance with the CGC Section 53607.

17.2 Quarterly Investment Report

The District Treasurer shall submit quarterly investment reports, through the Finance Committee, to Mesa Water's Board, the General Manager, and Mesa Water's internal auditor (Controller/Auditor) within 30 days following the end of the quarter covered by the report although no longer required by CGC Section 53646(b). For each specific investment, security, and money held by Mesa Water®, these reports shall contain the following information:

- The type of investment
- Name of issuer
- Date of maturity
- Market value
- Cost of acquisition

Description of any of Mesa Water's funds, investment, or programs that are under management of contracted parties, including lending programs. With respect to all securities held by Mesa Water, and under management of an outside agency that is not also a local agency or the LAIF, the report shall also include the current market value as of the date of the report, and shall include the source of this same valuation.

For local agency investments that have been placed in LAIF, created by CGC Section 16429.1, in National Credit Union Share Insurance Fund-insured accounts in a credit union, in accounts insured or guaranteed pursuant to Financial Code Section 14858, or in Federal Deposit Insured Corporation—insured accounts in a bank or savings and loan association, in a county investment pool, or any combination of these, the District Treasurer may supply the Board, the General Manager and Mesa Water's outside auditor with the most recent statement or statements received by Mesa Water from these institutions in lieu of the specific investment, security, and money information required under this section.

A description of compliance with this SIP or an explanation of why it is not in compliance.

A statement indicating Mesa Water's ability to meet its cash flow needs for the next six months or an explanation as to why sufficient money may not be available.

18.0 Investment Policy Adoption and Periodic Review

This SIP shall be adopted by resolution of the Board. This policy shall be reviewed on an annual basis by the District Treasurer and Mesa Water's Finance Committee and approved annually by the Board.

GLOSSARY

AGENCIES: Federal agency securities and/or Government – sponsored enterprises.

ASK: The price at which securities are offered.

BANKERS' ACCEPTANCE (BA): A draft or bill or exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill, as well as the issuer.

BENCHMARK: A comparative base for measuring the performance of risk tolerance of the investment portfolio. A benchmark should represent a close correlation to the level of risk and the average duration of the portfolio's investments.

BID: The price offered by a buyer of securities. (When you are selling securities, you ask for a bid.) See Offer.

BROKER: A broker brings buyers and sellers together for a commission.

CERTIFICATE OF DEPOSIT (CD): A time deposit with a specific maturity evidenced by a certificate. Large-denomination CD's are typically negotiable.

COLLATERAL: Securities, evidence of deposit, or other property that a borrower pledges to secure repayment of a loan. Also refers to securities pledged by a bank to secure deposits of public moneys.

COMMERCIAL PAPER: Short-term, negotiable unsecured promissory notes of corporations.

COMPREHENSIVE ANNUAL FINANCIAL REPORT (CAFR): The official annual report for Mesa Water District. It includes five combined statements for each individual fund and account group prepared in conformity with GAAP. It also includes supporting schedules necessary to demonstrate compliance with finance-related legal and contractual provisions, extensive introductory material, and a detailed Statistical Section.

COUPON: (a) The annual rate of interest that a bond's issuer promises to pay the bondholder on the bond's face value. (b) A certificate attached to a bond evidencing interest due on a payment date.

CUSIP (COMMITTEE ON UNIFORM SECURITIES IDENTIFICATION PROCEDURES): A unique nine character identification number which serves as a "DNA" for securities and is assigned to all U.S. Government Bonds, Municipal Bonds, Negotiable Certificates of Deposit and other Securities. A CUSIP uniquely identifies the type of security and the issuer.

DEALER: A dealer, as opposed to a broker, acts as a principal in all transactions, buying and selling for his own account.

DEBENTURE: A bond secured only by the general credit of the issuer.

DELIVERY VERSUS PAYMENT (DVP): There are two methods of delivery of securities: delivery versus payment and delivery versus receipt. Delivery versus payment is delivery of securities with an exchange of money for the securities. Delivery versus receipt is delivery of securities with an exchange of a signed receipt for the securities.

DISCOUNT: The difference between the cost price of a security and its maturity when quoted at lower than face value. A security selling below original offering price shortly after sale also is considered to be at a discount.

DISCOUNT SECURITIES: Non-interest bearing money market instruments that are issued at a discount and redeemed at maturity for full face value; e.g., U.S. Treasury Bills.

DIVERSIFICATION: Dividing investment funds among a variety of securities offering independent returns.

FEDERAL CREDIT AGENCIES: Agencies of the federal government set up to supply credit to various classes of institutions and individuals; e.g., S&L's, small-business firms, students, farmers, farm cooperatives, and exporters.

FEDERAL DEPOSIT INSURANCE CORPORATION (FDIC): A federal agency that insures bank deposits, currently up to \$100,000 per deposit.

FEDERAL FUNDS RATE: The rate of interest at which federal funds are traded. The Federal Reserve through open-market operations currently pegs this rate.

FEDERAL HOME LOAN BANKS (FHLB): Government sponsored wholesale banks (currently 12 regional banks) that lend funds and provide correspondent banking services to member commercial banks, thrift institutions, credit unions, and insurance companies. The mission of the FHLBs is to liquefy the housing related assets of its members who must purchase stock in their district bank.

FEDERAL NATIONAL MORTGAGE ASSOCIATION (FNMA): FNMA, like GNMA, was chartered under the Federal National Mortgage Association Act in 1938. FNMA is a federal corporation working under the auspices of the Department of Housing and Urban Development (HUD). It is the largest single provider of residential mortgage funds in the United States. Fannie Mae, as the corporation is called, is a private stockholder-owned corporation. The corporation's purchases include a variety of adjustable mortgages and second loans in addition to fixed-rate mortgages. FNMA's securities are also highly liquid and are widely accepted. FNMA assumes and guarantees that all security holders will receive timely payment of principal and interest.

FEDERAL OPEN MARKET COMMITTEE (FOMC): Consists of seven members of the Federal Reserve Board and five of the twelve Federal Reserve Bank Presidents. The President of the New York Federal Reserve Bank is a permanent member, while the other Presidents serve on a rotating basis. The committee periodically meets to set Federal Reserve guidelines regarding purchases and sales of Government Securities in the open market as a means of influencing the volume of bank credit and money.

FEDERAL RESERVE SYSTEM: The central bank of the United States created by Congress and consisting of a seven member Board of Governors in Washington, DC, 12 regional banks and about 5,700 commercial banks that are members of the system.

GOVERNMENT NATIONAL MORTGAGE ASSOCIATION (GNMA or Ginnie Mae): Securities influencing the volume of bank credit guaranteed by GNMA and issued by mortgage banks, commercial banks, savings and loan associations, and other institutions. Security holder is protected by full faith and credit of the U.S. Government. The FHA, VA, or FMHM mortgages back Ginnie Mae securities. The term "pass-throughs" is often used to describe Ginnie Maes.

LIQUIDITY: A liquid asset is one that can be converted easily and rapidly into cash without a substantial loss of value. In the money market, a security is said to be liquid if the spread between bid and asked prices is narrow and reasonable size can be done at those quotes.

LOCAL AGENCY INVESTMENT FUND (LAIF): A pooled investment vehicle for local agencies in California sponsored by the State of California and administered by the State Treasurer.

MARKET CYCLE: A market cycle is defined as a period of time which includes a minimum of two consecutive quarters of falling interest rates followed by a minimum of two consecutive quarters of rising interest rates.

MARKET VALUE: The price at which a security is traded and could presumably be purchased or sold.

MATURITY: The date upon which the principal or states value of an investment becomes due and payable.

MONEY MARKET: The market in which short-term debt instruments (bills, commercial paper, bankers' acceptances, etc.) are issued and traded.

NATIONALLY RECOGNIZED STATISTICAL-RATING ORGANIZATION (NRSRO): The credit rating agencies whose ratings are permitted to be used for investment purposes such as Moody's Investor Service, Standard & Poor's, and Fitch Rating.

NEGOTIABLE CERTIFICATE OF DEPOSIT: A large denomination certificate of deposit that can be sold in the open market prior to maturity.

OFFER: The price asked by a seller of securities. (When you are buying securities, you ask for an offer.) See ASK and BID.

ORANGE COUNTY INVESTMENT POOL (OCIP): A pooled investment vehicle for Orange County California agencies administered by the Orange County Treasurer.

PORTFOLIO: Collection of securities held by an investor.

PRIMARY DEALER: Group of government securities dealers who submit daily reports of market activity and positions and monthly financial statements to the Federal Reserve Bank of New York and are subject to its informal oversight. Primary dealers include

Securities and Exchange Commission (SEC)-registered securities broker-dealers, banks, and a few unregulated firms.

PRUDENT PERSON RULE: An investment standard. In some states, the law requires that a fiduciary, such as a trustee, may invest money only in a list of securities selected by the custody state – the so-called legal list. In other states, the trustee may invest in a security if it is one which would be bought by a prudent person of discretion and intelligence who is seeking a reasonable income and preservation of capital. Governing bodies of local agencies or persons authorized to make investment decisions on behalf of those local agencies investing public funds pursuant to CGC Section 53600 et seq. are trustees and therefore fiduciaries subject to the prudent person rule. Within the limitations of the CGC Section 53600 et seq. and considering individual investments as part of an overall strategy, a trustee is allowed to acquire investments as authorized by law.

QUALIFIED PUBLIC DEPOSITORIES: A financial institution which does not claim exemption from the payment of any sales or compensating use or ad valorem taxes under the laws of this state, which has aggregated for the benefit of the commission eligible collateral having a value of not less than its maximum liability and which has been approved by the Public Deposit Protection Commission to hold public deposits.

RATE OF RETURN: The yield obtainable on a security based on its purchase price or its current market price. This may be the amortized yield to maturity on a bond the current income return.

SAFEKEEPING: A service to customers rendered by banks for a fee whereby securities and valuables of all types and descriptions are held in the bank's vaults for protection.

SECONDARY MARKET: A market made for the purchase and sale of outstanding issues following the initial distribution.

SECURITIES & EXCHANGE COMMISSION (SEC): Agency created by Congress to protect investors in securities transactions by administering securities legislation.

TIME CERTIFICATE OF DEPOSIT: A non-negotiable certificate of deposit that cannot be sold prior to maturity.

TOTAL RATE OF RETURN: Represents growth (or decline) in the value of a portfolio, including both capital appreciation and income, as a proportion of the starting market value.

TIME-WEIGHTED RATE OF RETURN: A modified measurement of Total Rate of Return that eliminates the effect of the timing of funds flows to and/or from a security or portfolio.

TREASURY BILLS: A non-interest bearing discount security issued by the U.S. Treasury to finance the national debt. Most bills are issued to mature in three months, six months, or one year.

TREASURY BOND: Long-term coupon-bearing U.S. Treasury securities issued as direct obligations of the U.S. Government and having initial maturities of more than 10 years.

TREASURY NOTES: Medium-term coupon-bearing U.S. Treasury securities issued as direct obligations of the U.S. Government and having initial maturities of 2 to 10 years.

YIELD: The rate of annual income return on an investment, expressed as a percentage.

YIELD TO MATURITY: The calculated rate of return based upon the present value of the cash flow from each interest payment, plus the present value of the cash flow from the investment's redemption value at maturity vs. the purchase price.

RESOLUTION NO. 1506

**EXHIBIT B
RESOLUTION OF THE
MESA WATER DISTRICT BOARD OF DIRECTORS
DELEGATING AUTHORITY RELATIVE TO INVESTMENT OR
REINVESTMENT OF FUNDS, AND PROVIDING FOR A REVISED
STATEMENT OF INVESTMENT POLICY,
RESCINDING RESOLUTION NO. 1431**

Summary of Investments Authorized Under California
Government Code Sections 53601, 53684, 16429.1
Statement of Investment Policy
FY18

**SUMMARY OF INVESTMENTS AUTHORIZED UNDER CALIFORNIA
GOVERNMENT CODE SECTIONS 53601, 53684, 16429.1
MESA WATER DISTRICT FY18 STATEMENT OF INVESTMENT POLICY**

CGC Section	Investment Type	ALLOWED BY STATUTE			AUTHORIZED BY MESA WATER DISTRICT		
		Maximum Maturity	Authorized Limit (%)	Required Rating	Maximum Maturity	Authorized Limit	Required Rating
53601(a)	Local Agency Bonds	5 Years	None	None	5 Years	None	None
53601(b)	U.S. Treasury Obligations	5 Years	None	None	5 Years	None	None
53601(c)	State of California Obligations	5 Years	None	None	5 Years	None	None
53601(d)	Other State Obligations	5 Years	None	None	5 Years	None	None
53601(e)	California Local Agency Obligations	5 Years	None	None	5 Years	None	None
53601(f)	Federal Agency or U.S. Government Obligations (GSE's)	5 Years	None	None	5 Years	None	None
53601(g)	Bankers' Acceptances	180 Days	40%/30% ⁽¹⁾	None	180 Days	40%/30% ⁽¹⁾	None
53601(h)	Commercial Paper	270 Days	25% or 10% ⁽²⁾	A1/P1/F1	270 Days	25% or 10% ⁽²⁾	A1/P1/F1
53601(i)	Negotiable Certificates of Deposit ⁽⁸⁾	5 Years	30% ⁽⁷⁾	None	5 Years	30% ⁽⁷⁾	None
53601(j)	Repurchase Agreements	1 Year	None	None	1 Year	None	None
53601(j)	Reverse Repurchase Agreements	92 Days	20% of base	Various ⁽³⁾	92 Days	20% of base	Various ⁽³⁾
53601(k)	Medium-Term Notes	5 Years	30%	A	5 Years	30%	A
53601(l)	Mutual Funds	N/A	20%/10% ⁽⁴⁾	Various ⁽⁵⁾	N/A	20%/10% ⁽⁴⁾	Various ⁽⁵⁾
53601(l)	Money Market Mutual Funds	N/A	20%/10% ⁽⁴⁾	Various ⁽⁵⁾	N/A	20%/10% ⁽⁴⁾	Various ⁽⁵⁾
53601(m)	Trust Indenture or Other Contract	Per Contract	Per Contract	Per Contract	Per Contract	Per Contract	Per Contract
53601(n)	Collateralized Bank Deposits ⁽⁸⁾	5 Years	None	None	5 Years	None	None
53601(o)	Mortgage Pass-Through Securities	5 Years	20%	AA	5 Years	10%	AA
53601(p)	Shares of beneficial interest in JPA's	N/A	None	None	N/A	None	None
53601.8	Certificates of Deposits (CDAR's) ⁽⁸⁾	5 Years	30% ⁽⁷⁾	None	5 Years	30% ⁽⁷⁾	None
16429.1	Local Agency Investment Fund (LAIF)	N/A	None	None	N/A	None ⁽⁶⁾	None
53684	County Pooled Investment Funds	N/A	None	None	N/A	None	None
	Time Deposits ⁽⁸⁾	5 Years	None	None	5 Years	None	None

(1) 30% limit for one commercial bank.

(2) 10% limit for the outstanding commercial paper of any single corporate issue.

(3) Securities used for the agreement must have been held by the issuer for 30 days, investments can only be made with primary dealers of the Federal Reserve Bank of New York.

(4) No more than 10% can be invested in any one fund.

(5) Highest ranking by 2 of 3 of the nationally recognized rating agencies, and retain an investment advisor who is registered with the SEC and has at least 5 years' experience investing in securities authorized in CGC Section 53601 and 53635 with assets in excess of \$500 million.

(6) LAIF currently allows a maximum of \$50 million per account.

(7) No more than 30% of total funds may be invested in these CD's.

(8) Subject to FDIC limitations. Also subject to other limits with investments in credit unions.

There are no support materials for this item.