

This meeting has been noticed according to the Brown Act rules. The Board of Directors meets regularly on the third Monday of each month, except in January and February. The meetings begin at 6:00 PM.



**AGENDA**  
**Regular Meeting**  
**Board of Directors**  
**Monterey Peninsula Water Management District**  
\*\*\*\*\*

**Thursday, February 25, 2021, 6:00 PM, Virtual Meeting**

Pursuant to Governor Newsom's Executive Orders N-29-20 and N-33-20, and to do all we can to help slow the spread of COVID-19 (coronavirus), meetings of the Monterey Peninsula Water Management District Board of Directors and committees will be conducted with virtual (electronic) participation only using Zoom.

Join the meeting at this link:

<https://zoom.us/j/93577586923?pwd=ekd1c2xoMUVEQ0tnemVYc2xLY2dnUT09>

Or join at: <https://zoom.us/>

Webinar ID: 935 7758 6923

Meeting password: 02252021

Participate by phone: (669) 900-9128

**For detailed instructions on how to connect to the meeting, please see page 4 of this agenda.**

You may also view the live webcast on AMP <https://accessmediaproductions.org/>  
scroll down to the bottom of the page and select the Peninsula Channel

Staff notes will be available on the District web site at

<http://www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/>

by 5 PM on Friday, February 19, 2021

---

**CALL TO ORDER/ROLL CALL**

**PLEDGE OF ALLEGIANCE**

**ADDITIONS AND CORRECTIONS TO AGENDA** - The General Manager will announce agenda corrections and proposed additions, which may be acted on by the Board as provided in Sections 54954.2 of the California Government Code.

**Board of Directors**

Alvin Edwards, Chair – Division 1  
Karen Paull, Vice Chair – Division 4  
George Riley – Division 2  
Safwat Malek – Division 3  
Amy Anderson – Division 5  
Mary L. Adams, Monterey County  
Board of Supervisors Representative  
Clyde Roberson – Mayoral Representative

**General Manager**

David J. Stoldt

This agenda was posted at the District office at 5 Harris Court, Bldg. G Monterey on Friday, February 19, 2021. Staff reports regarding these agenda items will be available for public review on Friday, February 19, 2021 at the District's website [www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/](http://www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/). After staff reports have been distributed, if additional documents are produced by the District and provided to a majority of the Board regarding any item on the agenda, they will be posted on the District website. Documents distributed on the afternoon of the meeting will be available upon request, and posted to the web within five days of adjournment of the meeting. The next meeting of the Board is set for March 15, 2021 at 6 pm.

**CONSENT CALENDAR** - The Consent Calendar consists of routine items for which staff has prepared a recommendation. Approval of the Consent Calendar ratifies the staff recommendation. Consent Calendar items may be pulled for separate consideration at the request of a member of the public, or a member of the Board. Following adoption of the remaining Consent Calendar items, staff will give a brief presentation on the pulled item. Members of the public are requested to limit individual comment on pulled Consent Items to three (3) minutes. Unless noted with double asterisks "\*\*\*", Consent Calendar items do not constitute a project as defined by CEQA Guidelines section 15378.

1. Consider Adoption of Minutes from the January 28, 2021 Special Meeting
2. Confirm Appointments to Ordinance No. 152 Oversight Panel
3. Consider Approval of Expenditure for Purchase of Ford F150 4X4 Truck
4. Receive and File Second Quarter Financial Activity Report for Fiscal Year 2020-2021
5. Consider Approval of Second Quarter Fiscal Year 2020-2021 Investment Report
6. Direct the General Manager to Enter into a Contract with ZIM Industries to Rehabilitate ASR 1 for an Amount not to Exceed \$113,350
7. Election of Secretary and Treasurer for 2021
8. Receive Pension Reporting Standards Government Accounting Standards Board Statement No. 68 Accounting Valuation Report
9. Receive Government Accounting Standards Board Statement No. 75 Accounting and Financial Reporting for Post-Employment Benefits Other than Pensions
10. Consider Adoption of Treasurer's Report for November 2020
11. Consider Adoption of Treasurer's Report for December 2020
12. Reconfirm CY2021 Board Committee Assignments for Division 3

**GENERAL MANAGER'S REPORT**

13. Status Report on California American Water Compliance with State Water Resources Control Board Order 2016-0016 and Seaside Groundwater Basin Adjudication Decision

**REPORT FROM DISTRICT COUNSEL**

14. Report on Status of Cal-Am General Rate Case – CPUC A.19-07-004

**DIRECTORS' REPORTS (INCLUDING AB 1234 REPORTS ON TRIPS, CONFERENCE ATTENDANCE AND MEETINGS)**

15. Oral Reports on Activities of County, Cities, Other Agencies/Committees/Associations

**ACTION ITEMS** – Public Comment will be received. Please limit your comments to three (3) minutes per item.

16. Consider Expenditure of Funds for the Maintenance and Repair of the Rearing Channel Liner at the Sleepy Hollow Steelhead Rearing Facility  
*Action: The Board will consider authorizing repairs at a Not-to-Exceed cost of \$13,363 and authorizing a mid-year budget adjustment of \$13,363 in line item 2-3-1 A for the general operations and maintenance for the Sleepy Hollow Steelhead Rearing Facility.*
17. Consider Adoption of Resolution No. 2021-01 Declaring the Week of March 15 – 21, 2021, to be Fix a Leak Week.  
*Action: The Board will consider adoption of Resolution 2021-01. The U.S. Environmental Protection Agency's (EPA's) WaterSense® program promotes its annual Fix A Leak Week in March as part of its efforts to encourage Americans to use water efficiently. The District supports the EPA's program and encourages the immediate repair of every leak.*
18. Consider Adoption of Amendment to the Report "Supply and Demand for Water on the Monterey Peninsula" Adopted in May 2020 to Reflect the 2022 AMBAG Regional Growth Forecast  
*Action: The Board will consider adoption of an amendment to the report "Supply and Demand for Water on the Monterey Peninsula" adopted in May 2020 to reflect the 2022 AMBAG Regional Growth Forecast.*

**DISCUSSION ITEMS** – Discussion Only. No action will be taken by the Board.  
Public Comment will be received. Please limit your comments to three (3) minutes per item.

19. Status Report on Measure J/Rule 19.8 Phase II Spending

**INFORMATIONAL ITEMS/STAFF REPORTS** - The public may address the Board on Information Items and Staff Reports during the Oral Communications portion of the meeting. Please limit your comments to three minutes.

- 20. Report on Activity/Progress on Contracts Over \$25,000
- 21. Letters Received Supplemental Letter Packet
- 22. Committee Reports
- 23. Monthly Allocation Report
- 24. Water Conservation Program Report
- 25. Carmel River Fishery Report for January 2021
- 26. Monthly Water Supply and California American Water Production Report
- 27. Quarterly Carmel River Riparian Corridor Management Program Report
- 28. Semi-Annual Groundwater Quality Monitoring Report
- 29. Semi-Annual Financial Report on the CAWD/PBCSD Wastewater Reclamation Project

## ADJOURNMENT

Board Meeting Schedule			
Monday, March 15, 2021	Regular Board Meeting	6:00 pm	Virtual - Zoom
Monday, April 19, 2021	Regular Board Meeting	6:00 pm	Virtual - Zoom
Monday, May 17, 2021	Regular Board Meeting	6:00 pm	Virtual – Zoom

Board Meeting Television and On-Line Broadcast Schedule View Live Webcast at <a href="https://accessmediaproductions.org/">https://accessmediaproductions.org/</a> scroll to the bottom of the page and select the Peninsula Channel	
Television Broadcast	Viewing Area
Comcast Ch. 25 (Monterey Channel), Mondays view live broadcast on meeting dates, and replays on Mondays, 7 pm through midnight	City of Monterey
Comcast Ch. 28, Mondays, replays only 7 pm	Throughout the Monterey County Government Television viewing area.
For Xfinity subscribers, go to <a href="https://www.xfinity.com/support/local-channel-lineup/">https://www.xfinity.com/support/local-channel-lineup/</a> or <a href="https://www.xfinity.com/stream/listings">https://www.xfinity.com/stream/listings</a> - enter your address for the listings and channels specific to your city.	Pacific Grove, Pebble Beach, Sand City, Seaside, Monterey
Internet Broadcast	
Replays – Mondays, 4 pm to midnight at <a href="https://accessmediaproductions.org/">https://accessmediaproductions.org/</a> scroll to Peninsula Channel	
Replays – Mondays, 7 pm and Saturdays, 9 am <a href="http://www.mgtvonline.com">www.mgtvonline.com</a>	
YouTube – available five days following meeting date - <a href="https://www.youtube.com/channel/UCg-2VgzLBmgV8AaSK67BBRg">https://www.youtube.com/channel/UCg-2VgzLBmgV8AaSK67BBRg</a>	

Upon request, MPWMD will make a reasonable effort to provide written agenda materials in appropriate alternative formats, or disability-related modification or accommodation, including auxiliary aids or services, to enable individuals with disabilities to participate in public meetings. MPWMD will also make a reasonable effort to provide translation services upon request. Submit requests by noon on Monday, February 22, 2021 to [joel@mpwmd.net](mailto:joel@mpwmd.net), or call (831) 658-5652.

### Instructions for Connecting to the **Zoom Meeting**

Note: If you have not used Zoom previously, when you begin connecting to the meeting you may be asked to download the app. If you do not have a computer, you can participate by phone.

**Begin:** Within 10 minutes of the meeting start time from your computer click on this link: <https://zoom.us/j/93577586923?pwd=ekdlc2xoMUVEQ0tnemVYc2xLY2dnUT09> or paste the link into your browser.

#### **DETERMINE WHICH DEVICE YOU WILL BE USING** (PROCEED WITH ONE OF THE FOLLOWING INSTRUCTIONS)

##### **USING A DESKTOP COMPUTER OR LAPTOP**

1. In a web browser, type: <https://www.zoom.us>
2. Hit the enter key
3. At the top right-hand corner, click on “Join a Meeting”
4. Where it says “Meeting ID”, type in the Meeting ID# above and click “Join Meeting”
5. Your computer will begin downloading the Zoom application. Once downloaded, click “Run” and the application should automatically pop up on your computer. (If you are having trouble downloading, alternatively you can connect through a web browser – the same steps below will apply).
6. You will then be asked to input your name. It is imperative that you put in your first and last name, as participants and attendees should be able to easily identify who is communicating during the meeting.
7. From there, you will be asked to choose either ONE of two audio options: Phone Call or Computer Audio:

##### **COMPUTER AUDIO**

1. If you have built in computer audio settings or external video settings – please click “Test Speaker and Microphone”.
2. The client will first ask “Do you hear a ringtone?” •If no, please select “Join Audio by Phone”.  
•If yes, proceed with the next question:
3. The client will then ask “Speak and pause, do you hear a replay?” •If no, please select “Join Audio by Phone”  
•If yes, please proceed by clicking “Join with Computer Audio”



### **PHONE CALL**

- 1.If you do not have built in computer audio settings or external video settings – please click “Phone Call”
- 2.Select a phone number based on your current location for better overall call quality.

+1 669-900-9128 (San Jose, CA)	+1 253-215-8782 (Houston, TX)
+1 346-248-7799 (Chicago, IL)	+1 301-715-8592 (New York, NY)
+1 312-626-6799 (Seattle, WA)	+1 646-558-8656 (Maryland)
- 3.Once connected, it will ask you to enter the Webinar ID No. and press the pound key
- 4.It will then ask you to enter your participant ID number and press the pound key.
- 5.You are now connected to the meeting.

### **USING AN APPLE/ANDROID MOBILE DEVICE OR SMART PHONE**

- 1.Download the Zoom application through the Apple Store or Google Play Store (the application is free).
- 2.Once download is complete, open the Zoom app.
- 3.Tap “Join a Meeting”
- 4.Enter the Meeting ID number
- 5.Enter your name. It is imperative that you put in your first and last name, as participants and attendees should be able to easily identify who is communicating during the meeting.
- 6.Tap “Join Meeting”
- 7.Tap “Join Audio” on the bottom left hand corner of your device
- 8.You may select either ONE of two options: “Call via Device Audio” or “Dial in”

### **DIAL IN**

- 1.If you select “Dial in”, you will be prompted to select a toll-free number to call into.
2. Select a phone number based on your current location for better overall call quality.

+1 669-900-9128 (San Jose, CA)	+1 253-215-8782 (Houston, TX)
+1 346-248-7799 (Chicago, IL)	+1 301-715-8592 (New York, NY)
+1 312-626-6799 (Seattle, WA)	+1 646-558-8656 (Maryland)
- 3.The phone will automatically dial the number, and input the Webinar Meeting ID No. and your Password.
- 4.Do not hang up the call, and return to the Zoom app
- 5.You are now connected to the meeting.

### Presenting Public Comment

Receipt of Public Comment – the Chair will ask for comments from the public on all items. Limit your comment to 3 minutes but the Chair could decide to set the time for 2 minutes.

- (a) Computer Audio Connection: Select the “raised hand” icon. When you are called on to speak, please identify yourself.
- (b) Phone audio connection **with** computer to view meeting: Select the “raised hand” icon. When you are called on to speak, please identify yourself.
- (c) Phone audio connection only: Press \*9. Wait for the clerk to unmute your phone and then identify yourself and provide your comment. Press \*9 to end the call.

### Submit Written Comments

If you are unable to participate via telephone or computer to present oral comments, you may also submit your comments by e-mailing them to [comments@mpwmd.net](mailto:comments@mpwmd.net) with one of the following subject lines "PUBLIC COMMENT ITEM #" (insert the item number relevant to your comment) or "PUBLIC COMMENT – ORAL COMMUNICATIONS". Comments must be received by 12:00 p.m. on February 25, 2021. Comments submitted by noon will be provided to the Board of Directors and compiled as part of the record of the meeting.

U:\staff\Boardpacket\2021\20210225\Feb-25-2021-Board-Mtg-Agenda.docx

**ITEM:      CONSENT CALENDAR**

**1. CONSIDER ADOPTION OF MINUTES OF THE JANUARY 28, 2021 SPECIAL MEETINGS OF THE BOARD OF DIRECTORS**

**Meeting Date: January 25, 2021**

**Budgeted:** N/A

**From:** David J. Stoldt,  
General Manager

**Program/** **N/A**  
**Line Item No.:**

**Prepared By: Joel G. Pablo**

**Cost Estimate:** N/A

**General Counsel Review: N/A**

**Committee Recommendation: N/A**

**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** Attached as **Exhibit 1-A** are draft minutes of the January 28, 2021 Special Meeting of the Board of Directors.

**RECOMMENDATION:** District staff recommends approval of the minutes with adoption of the Consent Calendar.

# EXHIBIT

**1-A** Draft Minutes of the January 28, 2021 Special Meeting of the Board of Directors





### **EXHIBIT 1-A**

DRAFT MINUTES  
**Special Meeting**  
**Board of Directors**  
**Monterey Peninsula Water Management District**  
*January 28, 2021*

The meeting was called to order at 6:01 pm. Pursuant to Governor Newsom's Executive Orders N-29-20 and N-33-20, the meeting was conducted with virtual participation via Zoom.

#### **CALL TO ORDER**

#### *Directors Present via Zoom:*

Alvin Edwards, – Chair, Division 1  
 Karen Paull – Vice Chair, Division 4  
 George Riley – Division 2  
 Vacant – Division 3  
 Amy Anderson – Division 5  
 Mary Adams – Monterey County Board of Supervisors Rep.  
 Clyde Roberson – Mayoral Representative

#### **ROLL CALL**

*Directors Absent: None*

*General Manager present: David J. Stoldt*

*District Counsel present: David Laredo*

The assembly recited the Pledge of Allegiance.

#### **PLEDGE OF ALLEGIANCE**

No Changes

#### **ADDITIONS AND CORRECTIONS TO AGENDA**

No comments were directed to the Board during Oral Communications.

#### **ORAL COMMUNICATIONS**

By consensus, the Board confirmed receipt of and reviewed Letters of Nominations and Statement of Qualifications from those persons interested to serve as Director Division 3. No public comments were directed to the Board during the public comment period on this item.

#### **ACTION ITEMS**

**1. Review Letters of Nomination and Statement of Qualifications Received from Persons Interested to Serve as Director Division 3**

The Board received an opening statement, interviewed, and heard closing statements from each of the candidates. The board received public comment and proceeded to take action.

**2. Consider Method of Replacement- Select Appointee or Conduct Election in Voter Division 3**

The Directors offered a nomination and three (3) motions for selection of the Division 3 representative.

Motion 1: Director George Riley offered a motion to reopen the nomination process and expand the applicant pool for review before February 12, 2021. Motioned failed with the absence of a second.

Director George Riley offered a nomination to appoint Safwat Malek.

Motion 2: Upon motion of Director George Riley, second by Director Alvin Edwards seeking to close nominations. The motion carried and passed unanimously by a vote of 6 – 0.

Motion 3: Upon motion of Director Amy Anderson, second by Board Supervisor Representative Mary L. Adams to approve the nomination of Safwat Malek. The motion carried and passed unanimously by a vote of 6 – 0.

Public Comment: (a) **Melodie Chrislock** recommended the appointment of Safwat Malek. (b) **Luke Coletti**, resident of the City of Pacific Grove, recommend the appointment of James Derbin. (c) **Susan Schiavone** urged the board to evaluates its choice in light of current goals and legal mandates. She supports a candidates who can consider future development needs and projects that are statable and consider policies such as the environmentally appropriate, demographic, growth, climate change, environmental justice and stewardship of those resources as managed the district. She recommend the appointment of Safwat Malek. (d) **Anna Thompson** expressed support for a candidate who is trustworthy, supports sustainability, Public Water Monterey and public ownership of the water system. She recommended the appointment of Safwat Malek who meets the qualifications and acknowledge there are other who meet those qualifications.

Safwat Malek was unavailable at the time of hearing for District Staff to administer the Oath of Office.

**IF APPOINTED, ADMINISTER OATH OF OFFICE TO DIRECTOR DIVISION 3**

The meeting was adjourned at 8:48 pm

**ADJOURNMENT**

---

Joel G. Pablo, Deputy District Secretary

**ITEM: CONSENT CALENDAR****2. CONFIRM APPOINTMENTS TO ORDINANCE NO. 152 OVERSIGHT PANEL****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David Stoldt,  
General Manager **Program/** N/A  
**Line Item No.:****Prepared By:** Joel Pablo **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** Ordinance No. 152 created a nine-member Ordinance No. 152 Citizen's Oversight Panel as an advisory group to the Board of Directors on expenditures from the Connection Charge adopted in June 2012. Each Director appoints one person to participate on the panel. In addition, the Monterey Peninsula Taxpayers Association (MPTA) and the Monterey County Association of Realtors (MCAR) each appoint a member to the Panel.

Due to changes on the Board of Directors following the November 3, 2020 general election, Directors representing Division 4, the Mayoral representative and the Monterey County Board of Supervisors representative and the Monterey Peninsula Taxpayers Association have designated their new appointees to the panel. The Division 3 Director will present appointees for ratification at the March 15, 2021 Board meeting. The list of new appointees is shown below.

**RECOMMENDATION:** Ratify the appointment of Marli Melton, Bill Peake and Kevan Urquhart to serve two-year terms on the Ordinance No. 152 Oversight Panel.

<b>Appointing Director</b>	<b>Appointee</b>
Division 4, Karen Paull	Marli Melton
Mayor Clyde Roberson	Bill Peake
Monterey Peninsula Taxpayers Association	Rudy Fischer
Monterey County Supervisor, Mary L. Adams	Kevan Urquhart

**EXHIBIT**

None





**ITEM:           CONSENT CALENDAR****3.       CONSIDER APPROVAL OF EXPENDITURE FOR PURCHASE OF FORD F150 4X4 TRUCK****Meeting Date:   February 25, 2021****Budgeted:       Yes****From:           David J. Stoldt,  
                    General Manager****Program/       Fixed Assets  
Line Item No.:   XX-XX-914000****Prepared By:   Suresh Prasad****Cost Estimate:   \$34,000****General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** The Fiscal Year (FY) 2020-2021 Budget includes fund to purchase Ford F150 truck this fiscal year. This vehicle will be an addition to the District's current fleet and will be primarily used for the weir (fish counting station) program within the Environmental Resources Division.

District is part of the Ford Fleet Program which provides incentives in price break. Staff solicited bids from three different Ford vendors which are attached as **Exhibit 3-A**. The vehicle provided in the proposals meets all specifications of the District. The prices are summarized in the following table:

	<b>Cypress Coast Ford</b>	<b>North Bay Ford</b>	<b>Mission Valley Ford</b>
Ford F150 Truck	\$33,220.75	\$35,085.73	\$35,972.75

**RECOMMENDATION:** The Administrative Committee recommends that the Board authorize expenditure of funds to purchase Ford F150 truck from Cypress Coast Ford at a not-to-exceed price of \$34,000, which includes contingencies for documentation and additional taxes if required by law.

**BACKGROUND:** The Fiscal Year 2020-2021 Budget includes \$25,000 for the purchase of Ford F150 4x4 truck. During mid-year budget process, additional funds will be allocated to cover the difference between the budgeted and the actual amount. In order to make it accessible for field use, the vehicles must be equipped with four-wheel drive function. This will be an addition to the District's current fleet and will be primarily used for the weir (fish counting station) within the Environmental Resources Division.

**EXHIBIT****3-A   Truck proposals**



**Cypress Coast Ford Lincoln**Date: 1/22/2021

Salesperson: \_\_\_\_\_

Manager: Christian Saban**FOR INTERNAL USE ONLY****BUSINESS NAME**  
**CONTACT**

Home Phone : \_\_\_\_\_

Address : \_\_\_\_\_

Work Phone : \_\_\_\_\_

E-Mail : \_\_\_\_\_

Cell Phone : \_\_\_\_\_

**VEHICLE**

Stock # : \_\_\_\_\_

New / Used : \_\_\_\_\_

**New**

VIN : \_\_\_\_\_

Mileage: \_\_\_\_\_

Vehicle : \_\_\_\_\_

Color : \_\_\_\_\_

Type : \_\_\_\_\_

Market Value Selling Price	37,700.00
Discount	7,300.00
Adjusted Price	30,400.00
Tax	2,812.00
Non Tax Fees	8.75
Cash Deposit	.00
Balance	33,220.75

**EXHIBIT 3-A**

IMS2 CNGP530 VEHICLE ORDER CON

10

VIRTG1DP

CNGP530 VEHICLE ORDER CONFIRMATION 01/22/21 14:19:17  
 ==> Dealer: F72409  
 2021 F-150 Page: 1 of 2  
 Order No: B122 Priority: C4 Ord FIN: KG966 Order Type: 5B Price Level: 130  
 Ord PEP: 101A Cust/Flt Name: MRWM PO Number:  

		RETAIL	DLR INV		RETAIL	DLR INV
F1E	F150 4X4 R/C	\$33885	\$32360.00	6325# GVWR		
	141" WHEELBASE			CA BOARD FEES	NC	.65
YZ	OXFORD WHITE			FLEET SPCL ADJ	NC	(520.00)
A	VINYL 40/20/40	NC	NC	FRT LICENSE BKT	NC	NC
S	MED DARK SLATE			50 STATE EMISS	NC	NC
101A	EQUIP GRP	2080	1893.00	53A TRAILER TOW PKG	1090	992.00
	.XL SERIES			.TRL BRAKE CONTR		
	.POWER EQUIP GRP					
	.CRUISE CONTROL			TOTAL BASE AND OPTIONS	39915	35207.93
	.REV SENSING SYS			XL HIGH DISCOUNT	(750)	(683.00)
	.17"SILVER STEEL			TOTAL	39165	34524.93
99B	3.3L V6 PFDI			*THIS IS NOT AN INVOICE*		
44G	ELEC 10-SPDAUTO			* MORE ORDER INFO NEXT PAGE *		
	.265/70R-17			F8=Next		
XL6	3.73 ELEC LOCK	570	518.00	F3/F12=Veh Ord Menu		
F1=Help		F2=Return to Order				
F4=Submit	F5=Add to Library					
S006 - MORE DATA IS AVAILABLE.				QC07796		

V1DP0688

2,6

## IMS2 CNGP530 VEHICLE ORDER CON

CNGP530

## VEHICLE ORDER CONFIRMATION

01/22/21 14:19:17

==&gt;

Dealer: F72409

Page: 1 of 2

2021 F-150

Order No: B122 Priority: C4 Ord FIN: KG966 Order Type: 5B Price Level: 130

Ord PEP: 101A Cust/Flt Name: MRWM

PO Number:

	RETAIL	DLR INV		RETAIL	DLR INV
F1E F150 4X4 R/C	\$33885	\$32360.00	6325# GVWR		
141" WHEELBASE			CA BOARD FEES	NC	.65
YZ OXFORD WHITE			FLEET SPCL ADJ	NC	(520.00)
A VINYL 40/20/40	NC	NC	FRT LICENSE BKT	NC	NC
S MED DARK SLATE			425 50 STATE EMISS	NC	NC
101A EQUIP GRP	2080	1893.00	53A TRAILER TOW PKG	1090	992.00
.XL SERIES			.TRL BRAKE CONTR		
.POWER EQUIP GRP					
.CRUISE CONTROL			TOTAL BASE AND OPTIONS	39915	35207.93
.REV SENSING SYS			XL HIGH DISCOUNT	(750)	(683.00)
*17" SILVER STEEL			TOTAL	39165	34524.93
99B 3.3L V6 PFDI			*THIS IS NOT AN INVOICE*		
44G ELEC 10-SPDAUTO					
.265/70R-17					
XL6 3.73 ELEC LOCK	570	518.00	* MORE ORDER INFO NEXT PAGE *		
F1=Help			F8=Next		
F2=Return to Order			F3/F12=Veh Ord Menu		
F4=Submit F5=Add to Library					
S006 - MORE DATA IS AVAILABLE.					QC07796

V1DP0688

2,6

Pricing is 32800  
3034 Taxes  
8<sup>15</sup> Tire fee  
85<sup>00</sup> Doc  
45 ETT  
35972.75

Direct: 831-457-5858  
Cell: 831-419-1602  
Toll Free: 800-760-3673  
Fax: 831-425-0598  
1999 Soquel Avenue Santa Cruz, CA 95062  
www.northbayford.com

Bobbie Robinson  
Commercial Fleet Sales  
bobbie@northbayford.com

North Bay Ford  
Santa Cruz

## NEW &amp; USED

## CARS, TRUCKS

## SALES &amp; LEASING

831-457-5858

## SERVICE

831-458-6170

## COLLISION CENTER

831-458-6141

## PARTS

831-458-6160

## 1-800-760-FORD

Fax: 831-425-0598

1999 Soquel Avenue

Santa Cruz

California

95062-1309

## RECREATIONAL VEHICLES

831-458-6166

1911 Soquel Avenue

Santa Cruz

California

95062-1309

# MISSION VALLEY

## Truck Center

PO Box 611150, San Jose, CA 95161  
780 East Brokaw Road, San Jose, CA 95112

Telephone (408) 933-2300  
Fax (408) 436-0313

Contact:	Email:	VIN	TBD
Purchaser:	Phone:	Stock#:	TBD
Address:	City:	State:	CA
Quantity: 1	Year: 2021	Make: FORD	Date: 2/2/2021
Model: F-150	Miles:	10	Zip:
			PO Number:

### Specifications

I/We hereby order from you, subject to all terms, conditions and agreements contained herein, and the  
**ADDITIONAL PROVISIONS, attached as Sales Agreement, the following:**

Wheel Base: 141 CA: GVW: 6325 Type: Exterior Color: WHITE  
Engine: 3.3 Interior Color: GREY  
Trans: 10

Axle, Front:

Axle, Rear:

Tires: 265/70R17

Wheels:

Brakes: ABS

Steering: Power

Fuel Tanks:

**Other Vehicle Information: See Attached**

Special programs, terms and conditions listed below

Email:

Special Equipment:

Specifications per reference QuoteID:  
See the attached:

**Legal or Lien**

Legal Name:

Address:

City:

State:

Zip:

Purchaser has read all of this Order and the attached Sales Agreement, including the reference to Warranty and NO WARRANTIES OF MERCHANTABILITY OR FITNESS. The Purchaser agrees that all such provisions are part of this Order and that this Order supersedes any prior agreements and is the complete and exclusive agreement on the subject matters covered by this Order. THIS ORDER SHALL NOT BECOME BINDING UNTIL ACCEPTED BY THE DEALER'S AUTHORIZED REPRESENTATIVE. IN THE CASE OF A TIME SALE, THE DEALER SHALL NOT BE OBLIGATED TO SELL UNTIL A FINANCE SOURCE APPROVES THIS ORDER AND AGREES TO PURCHASE A RETAIL INSTALLMENT CONTRACT BETWEEN THE PURCHASER AND THE DEALER BASED ON THIS ORDER. Purchaser certifies he is of majority age and has received a true copy of this Order and Sales Agreement. All fees subject to change after 7/1/2012.

<b>Trade-In</b>	<b>Down Payment</b>	<b>Selling Price:</b>	38789.00	31489.00
Trade Year:	Cash Deposit: 0.00	Doc Fee:	0.00	^ Selling
Trade Make:	Rebates: 7300.00	Sales Tax: 9.250%	3587.98	less rebate
Trade Model:	Cash On Delivery: 0.00	FET:		
Trade ID#:	Trade-In Equity: 0.00	License Reg: (est.):	0.00	
Trade Allowance:		Tire Fee:	5	8.75
Less payoff:		Electronic Reg Fee	0.00	
		Used Emsn Test Charge-Taxable	0.00	
		Used Emsn Cert 4YR>	0.00	
		Used Emsn Exempt 3YR<	0.00	
		Extended Service Plan:	0.00	
		Total Delivered Price:	42385.73	
		Total Down Payment:	7300.00	
		Unpaid Balance:	35085.73	
		Finance Rate OAC:		
		Payment Factor:		
		# of Months:		
		Payment:	#VALUE!	

THIS IS NOT A VALID ORDER UNTIL  
ACCEPTED BY MANAGEMENT

X \_\_\_\_\_  
Purchaser

X \_\_\_\_\_  
Salesperson

X \_\_\_\_\_  
Manager

Credit Approved By: \_\_\_\_\_

**Used Vehicle Warranty**  
The used vehicle described on this order is sold "AS IS -- WHERE IS." There are no warranties express or implied, including any implied warranty of merchantability or fitness for a particular purpose and there are no obligations or liabilities on the part of the Seller. Certification is hereby made that we have read the above terms and understand them.

X \_\_\_\_\_

**PREPARED BY CHARLIE ANGRISANI @MISSION VALLEY FORD**

**ITEM: CONSENT CALENDAR****4. RECEIVE AND FILE SECOND QUARTER FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2020-2021****Meeting Date: February 25, 2021                      Budgeted: N/A****From: David J. Stoldt,                      Program/ N/A  
General Manager                      Line Item No.:****Prepared By: Suresh Prasad                      Cost Estimate: N/A****General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** The second quarter of Fiscal Year (FY) 2019-2020 concluded on December 31, 2020. Table comparing budgeted and actual year-to-date revenues and expenditures for the period are included as **Exhibit 4-A**. **Exhibits 4-B and 4-C** presents the same information in bar graph format. The following comments summarize District staff's observations:

**REVENUES**

The revenue table compares amounts received through the second quarter and conclusion of FY 2020-2021 to the amounts budgeted for that same time period. Total revenues collected were \$8,541,960, or 70.0% of the budgeted amount of \$12,210,900. Variances within the individual revenue categories are described below:

- Water Supply Charge revenues were \$2,028,469, or 122.9% of the budget for the period. The first installment of this revenue was received in December 2020. The second installment will be received in April 2021.
- Property tax revenues were \$1,236,027, or 120.6% of the budget for the period. The first installment of this revenue was received in December 2020. The second installment will be received in April 2021.
- User Fee revenues were \$2,778,314, or about 130.7% of the amount budgeted. This is higher than budgeted due to collections being higher than anticipated budgeted amount.
- Connection Charge revenues were \$236,357, or 118.2% of the budget for the period. Actual collection was higher than anticipated budgeted figure as the forecasted figures are based on estimated number of customers pulling permits. There was more connection charge received than budgeted for the first six months.
- Permit Fees revenues were \$90,040, or 90.9% of the budget for the period. The actual was slightly lower than the budgeted figure.
- Interest revenues were (\$15,290), or -15.3% of the budget for the period. Actual interest includes accrual reversals from prior year. Most of the interest income revenue is realized in fourth quarter of the FY.

- Pure Water Monterey Water Sales revenue was \$1,515,641, or 100.0% of the budget for the period. This is water sales revenue for water purchased from Monterey One Water and sold to California American Water and is a pass-through to the District.
- Reimbursements of \$655,461, or 53.3% of the budget. This is based on actual spending and collection of reimbursement project funds. This is due to projects being deferred and continued to next quarter.
- Grant revenue of \$7,274, or 0.6% of the budget. This is due to grant funded projects being deferred and continued to next quarter.
- The Other revenue category totaled \$9,667 or about 128.9% of the budgeted amount. This category includes reimbursement revenues from legal and other miscellaneous services.
- The Reserves category totaled \$0 or about 0.00% of the budgeted amount. This category includes potential use of reserves and the water supply carry forward balance during the fiscal year for which adjustments will be made at the conclusion of the fiscal year.

## **EXPENDITURES**

Expenditure activity as depicted on the expenditure table is similar to patterns seen in past fiscal years. Total expenditures of \$8,267,456 were about 67.7% of the budgeted amount of \$12,210,900 for the period. Variances within the individual expenditure categories are described below:

- Personnel costs of \$2,021,557 were about 100.1% of the budget. This was slightly higher than the anticipated budget as CalPERS unfunded liability for the current fiscal year is paid up front in July.
- Expenditures for supplies and services were \$590,608, or about 78.8% of the budgeted amount. This was lower than the anticipated budget due to the consulting services and legal expenses coming in lower than the expected budgeted numbers.
- Fixed assets purchase of \$34,270 represented around 31.2% of the budgeted amount. This was due to some of the fixed asset purchases deferred to next quarter.
- Pure Water Monterey Water Purchase was \$1,649,053, or 100.0% of the budget for the period. This is water purchased from Monterey One Water and sold to California American Water which is a pass-through to the District.
- Funds spent for project expenditures were \$3,909,660, or approximately 47.0% of the amount budgeted for the period. This is due to most projects spending being deferred to next quarter.
- Debt Service included costs of \$62,308, or 54.2% of the budget for the period. Debt service is paid semi-annually, in December and June.
- Contingencies/Other expenditures \$0, or 0% of the budgeted amount. This was due to the contingency budget not spent during this fiscal year.
- Reserve expenditures of \$0, or 0% of the budgeted amount. This category includes potential use of reserves during the fiscal year for which adjustments will be made at the conclusion of the fiscal year.

## **EXHIBITS**

**4-A** Revenue and Expenditure Table

**4-B** Revenue Graph

**4-C** Expenditure Graph



**Monterey Peninsula Water Management District  
Financial Activity as of December 31, 2020  
Fiscal Year 2020-2021**

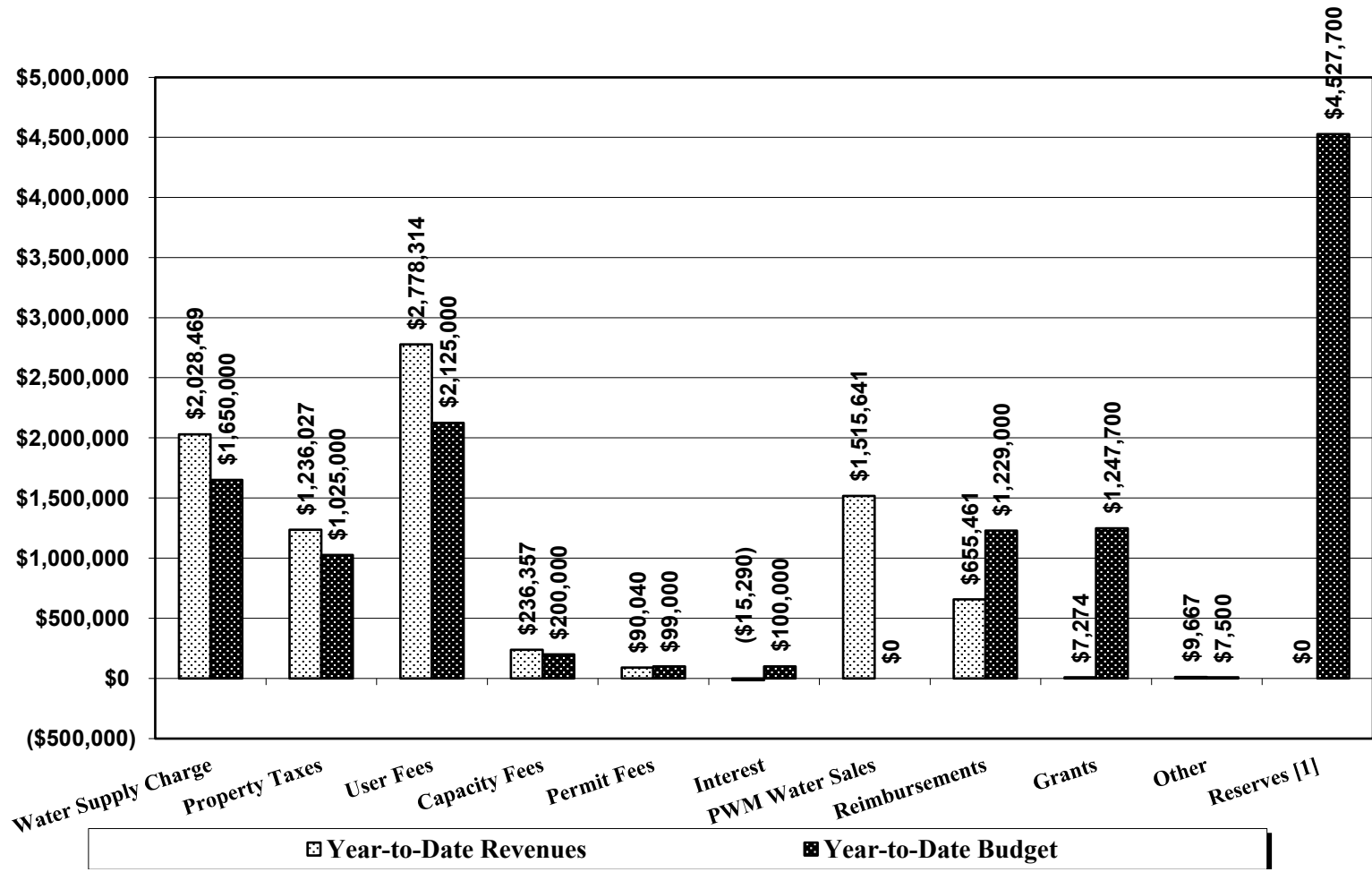
	Year-to-Date <u>Revenues</u>	Year-to-Date <u>Budget</u>	<u>Variance</u>	Percent of <u>Budget</u>
Water Supply Charge	\$2,028,469	\$1,650,000	(\$378,469)	122.9%
Property Taxes	\$1,236,027	\$1,025,000	(\$211,027)	120.6%
User Fees	\$2,778,314	\$2,125,000	(\$653,314)	130.7%
Capacity Fees	\$236,357	\$200,000	(\$36,357)	118.2%
Permit Fees	\$90,040	\$99,000	\$8,960	90.9%
Interest	(\$15,290)	\$100,000	\$115,290	-15.3%
PWM Water Sales	\$1,515,641	\$0	(\$1,515,641)	100.0%
Reimbursements	\$655,461	\$1,229,000	\$573,539	53.3%
Grants	\$7,274	\$1,247,700	\$1,240,426	0.6%
Other	\$9,667	\$7,500	(\$2,167)	128.9%
Reserves [1]	\$0	\$4,527,700	\$4,527,700	0.0%
Total Revenues	<u>\$8,541,960</u>	<u>\$12,210,900</u>	<u>\$3,668,940</u>	<u>70.0%</u>

	Year-to-Date <u>Expenditures</u>	Year-to-Date <u>Budget</u>	<u>Variance</u>	Percent of <u>Budget</u>
Personnel	\$2,021,557	\$2,019,350	(\$2,207)	100.1%
Supplies & Services	\$590,608	\$749,800	\$159,192	78.8%
Fixed Assets	\$34,270	\$110,000	\$75,730	31.2%
PWM Water Purchase	\$1,649,053	\$0	(\$1,649,053)	100.0%
Project Expenditures	\$3,909,660	\$8,319,550	\$4,409,890	47.0%
Debt Service	\$62,308	\$115,000	\$52,692	54.2%
Election Expenses	\$0	\$100,000	\$100,000	0.0%
Contingencies/Other	\$0	\$35,000	\$35,000	0.0%
Reserves [1]	\$0	\$762,200	\$762,200	0.0%
Total Expenditures	<u>\$8,267,456</u>	<u>\$12,210,900</u>	<u>\$3,943,444</u>	<u>67.7%</u>

[1] Budget column includes fund balance, water supply carry forward,  
and reserve fund

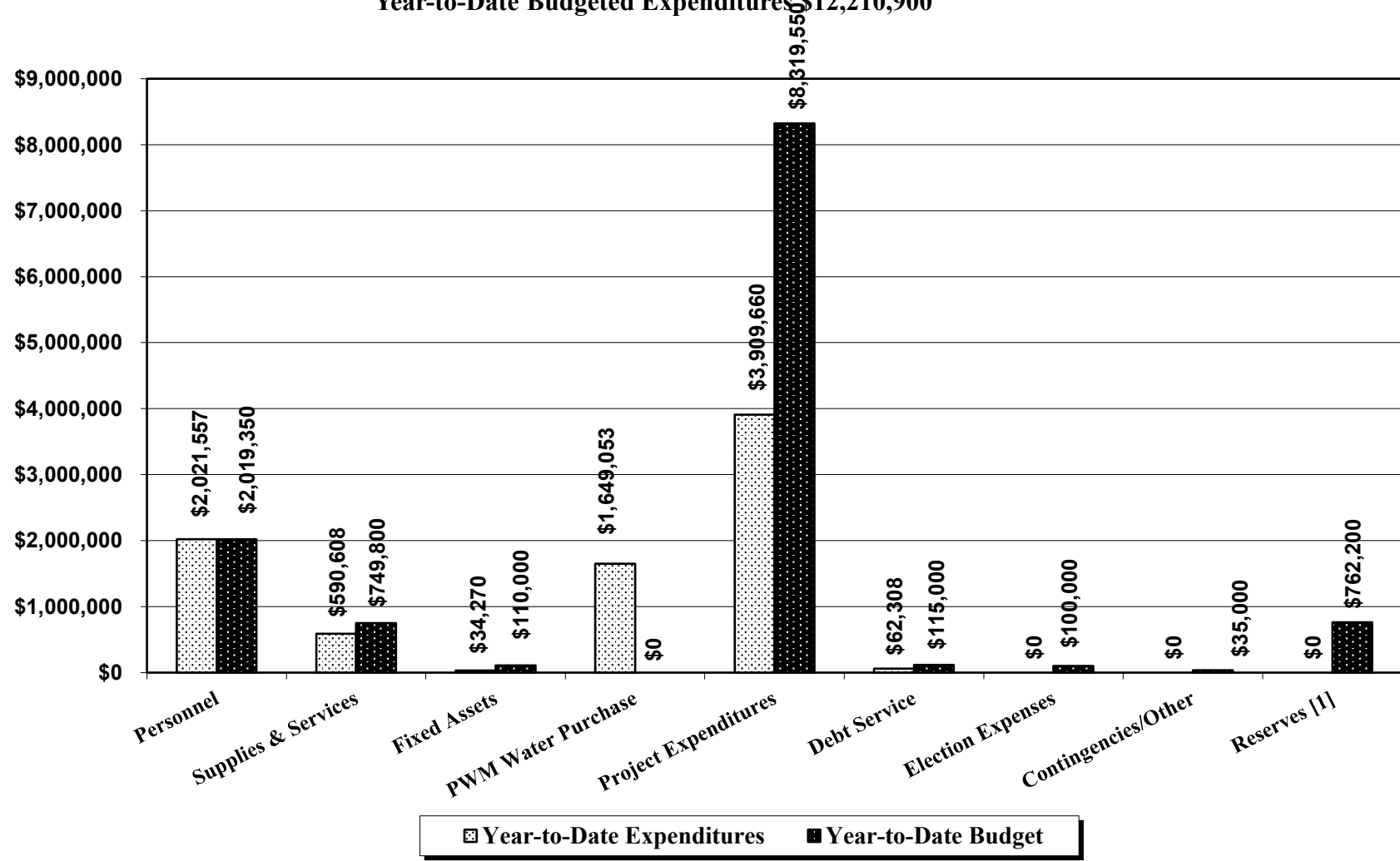


**REVENUES**  
**Fiscal Year Ended December 31, 2020**  
 Year-to-Date Actual Revenues \$8,541,960  
 Year-to-Date Budgeted Revenues \$12,210,900





**EXPENDITURES**  
**Fiscal Year Ended December 31, 2020**  
 Year-to-Date Actual Expenditures \$8,267,456  
 Year-to-Date Budgeted Expenditures \$12,210,900





**ITEM:      CONSENT CALENDAR****5.      CONSIDER APPROVAL OF SECOND QUARTER FISCAL YEAR 2020-2021  
INVESTMENT REPORT****Meeting Date:**    February 25, 2021                      **Budgeted:**            N/A**From:**                David J. Stoldt,  
                                General Manager                      **Program/  
Line Item No.:**            N/A**Prepared By:**      Suresh Prasad                      **Cost Estimate:**    N/A**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on February 10, 2021 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** The District's investment policy requires that each quarter the Board of Directors receive and approve a report on investments held by the District. **Exhibit 5-A** is the report for the quarter ending December 31, 2020. District staff has determined that these investments do include sufficient liquid funds to meet anticipated expenditures for the next six months and as a result this portfolio is in compliance with the current District investment policy. This portfolio is also in compliance with the California Government Code, and the permitted investments of Monterey County.

**RECOMMENDATION:** The Administrative Committee recommends that the Board approve the Second Quarter Fiscal Year 2020-2021 Investment Report.

**EXHIBIT****5-A**      Investment Report as of December 31, 2020





**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
INVESTMENT REPORT AS OF DECEMBER 31, 2020**

**MPWMD**

Issuing Institution Security Description	Purchase Date	Maturity Date	Cost Basis	Par Value	Market Value	Annual Rate of Return	Portfolio Distribution
Local Agency Investment Fund	12/31/20	01/01/21	\$10,589,906	\$10,589,906	\$10,589,906	0.630%	61.95%
Bank of America:							
Money Market	12/31/20	01/01/21	3,504,855	3,504,855	3,504,855	0.000%	
Checking	12/31/20	01/01/21	134,970	134,970	134,970	0.000%	
			\$3,639,825	\$3,639,825	\$3,639,825		21.29%
Multi-Bank Securities Cash Account	12/31/20	01/01/21	137,085	137,085	137,085	0.000%	
Multi-Securities Bank Securities:							
Interest Bearing Certificate of Deposit	08/17/18	02/17/21	\$249,000	\$249,000	\$249,894	2.800%	
Interest Bearing Certificate of Deposit	07/03/18	07/06/21	\$246,000	\$246,000	\$249,764	3.000%	
Interest Bearing Certificate of Deposit	07/03/18	07/06/21	\$246,000	\$246,000	\$249,764	3.000%	
Interest Bearing Certificate of Deposit	10/05/18	10/05/21	\$249,000	\$249,000	\$254,814	3.100%	
Interest Bearing Certificate of Deposit	11/21/18	11/22/21	\$246,000	\$246,000	\$253,036	3.250%	
Interest Bearing Certificate of Deposit	01/09/19	01/10/22	\$250,000	\$250,000	\$257,813	3.100%	
Interest Bearing Certificate of Deposit	02/06/20	02/06/23	\$247,000	\$247,000	\$255,761	1.800%	
Interest Bearing Certificate of Deposit	09/30/20	03/30/21	\$249,000	\$249,000	\$250,213	0.400%	
Interest Bearing Certificate of Deposit	03/13/20	03/13/25	\$249,000	\$249,000	\$258,534	1.250%	
Interest Bearing Certificate of Deposit	03/30/20	03/31/25	\$248,000	\$248,000	\$261,159	1.600%	
Interest Bearing Certificate of Deposit	09/22/20	03/22/21	\$249,000	\$249,000	\$250,424	0.550%	
			\$2,865,085	\$2,865,085	\$2,928,260	1.906%	16.76%
<b>TOTAL MPWMD</b>			<b>\$17,094,816</b>	<b>\$17,094,816</b>	<b>\$17,157,991</b>	<b>0.710%</b>	

**CAWD/PBCSD WASTEWATER RECLAMATION PROJECT**

Issuing Institution Security Description	Purchase Date	Maturity Date	Cost Basis	Par Value	Market Value	Annual Rate of Return	Portfolio Distribution
US Bank Corp Trust Services:							0.47%
Certificate Payment Fund	12/31/20	01/01/21	818	818	818	0.000%	
Interest Fund	12/31/20	01/01/21	338	338	338	0.000%	
Rebate Fund	12/31/20	01/01/21	19	19	19	0.000%	
			\$1,176	\$1,176	\$1,176	0.000%	
Bank of America:							99.53%
Money Market Fund	12/31/20	01/01/21	249,762	249,762	\$249,762	0.000%	
<b>TOTAL WASTEWATER RECLAMATION PROJECT</b>			<b>\$250,938</b>	<b>\$250,938</b>	<b>\$250,938</b>	<b>0.000%</b>	

These investments do include sufficient liquid funds to meet anticipated expenditures for the next six months as reflected in the FY 2020-2021 annual budget adopted on June 15, 2020.



**ITEM:        CONSENT CALENDAR****6.        DIRECT THE GENERAL MANAGER TO ENTER INTO A CONTRACT WITH ZIM INDUSTRIES TO REHABILITATE ASR 1 FOR AN AMOUNT NOT TO EXCEED \$113,350**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Water Supply Projects 1-2-1</b>
<b>Prepared By:</b>	<b>Jonathan Lear</b>	<b>Cost Estimate:</b>	<b>\$113,350</b>

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

**SUMMARY:** While CalAm was operating ASR 1 in recovery over the 2019 summer, District staff noted that the required flush rate of 3,000 gpm by the Department of Drinking Water Permit could no longer be maintained without the pump bowles breaking suction and causing cavitation.

Upon further investigation, the constant sustainable flux rate of ASR 1 was determined to be approximately 2,250 gpm. At that point Cal-Am and the District approached DDW and modified the conditions of the permit to flush at the sustainable rate but for a longer period of time prior to using ASR 1 as a source to the system.

Long term operations of ASR 1 both in injection and recovery will require the well be formally rehabilitated to restore efficiency and operational flexibility of the ASR well field.

**RECOMMENDATION:** The Administrative Committee recommends that the Board direct the General Manager to enter into an agreement for \$113,350 with ZIM Industries to complete a formal rehabilitation of ASR 1.

**BACKGROUND:** ASR 1 was constructed in 2001 and was last rehabilitated in 2007, after which the well displayed a pumping specific capacity of 59.7 gallons per minute per foot of drawdown (gpm/ft). Since then, the well's performance has steadily declined to 31.1 gpm/ft as a result of residual plugging, representing a decline of approximately 48 percent. It is noted that the observed decline due to residual plugging from injection operations is to be expected as with most ASR wells, and the periodic rehabilitation of ASR wells is a part of the routine maintenance required to maintain capacity and extend useful well service-lives.

In late January 2020 MPWMD staff directed Pueblo Water Resources to send a request for quotes to three qualified contractors holding valid licenses (C-57/C-61) to perform a formal rehabilitation

on ASR 1. The lowest quote was submitted by ZIM Industries whom has also successfully performed rehabilitations on ASR 2 and 3.

In March 2020 in response to the first Shelter in Place Order related to COVID 19, Cal-Am requested the District hold off on beginning the rehabilitation work due to the unknowns related to interruptions in staffing or supply chains. ASR 1 was an important well needed for recovery of Pure Water Monterey water and Cal-Am in the 2020 summer recovery season. Rather than risk the possibility that the rehabilitation work would be interrupted by the Pandemic and the well would not be ready when needed for PWM recovery, Cal-Am choose to push the work to early 2021. Following Cal-Am's request, the District notified ZIM Industries that the work would be postponed until early 2021.

The original quote provided by ZIM to complete the rehabilitation was for \$104,460 and was good for 90 days. At the March 16, 2020 Regular Board Meeting, the Board approved on Consent Calendar accepting the quote from ZIM and proceeding with the work. Due to postponing the work as a cautionary measure, the 90 days have elapsed. The District is now beginning contracting for this work according to the current schedule and ZIM has informed District Staff that there is a 3% increase in cost due to slight increases in labor and chemicals from when the job was quoted in February 2020. Adding a 5% contingency to the new quote of \$107,951, the amount of the contract will be \$113,350. The new contract amount is still \$50,000 less than the nearest quote received last February.

**IMPACT TO STAFF/RESOURCES:** Funds for this project are included in the FY 2020-21 budget under "Water Supply Projects," line item 1-2-1. Funds expended to complete this work will be reimbursed to the District by CalAm through the ASR Management and Operations agreement between the District and CalAm. Staff time will be utilized to provide project management and oversee field work.

## **EXHIBIT**

### **6-A Technical Specifications and ZIM Industry quotes received to complete ASR rehabilitation work**



## SCOPE OF WORK

The Contractor shall provide all equipment, labor, chemicals, chemical mixing vessels, and temporary fluid storage and conditioning facilities to complete the work outlined in these specifications, and as directed by the Owner's Technical Representative (OTR)<sup>1</sup>. The site location is shown on **Figure 1** and an as-built schematic of the well is shown on **Figure 2**. The Contractor will execute an agreement for the work directly with MPWMD based on the scope of work presented herein and the Contractor's quote. Generally, the work shall consist of:

- Removal of the existing pump and appurtenances from the well
- Pre-rehabilitation video surveying
- Nylon brushing the well screen
- Bailing the well to bottom
- Simultaneous pumping/swabbing
- Chemical treatment
- Agitation by swabbing
- Simultaneous pumping/swabbing
- Post-rehabilitation acceptance video surveying
- Reinstallation of existing pump and appurtenances
- Well disinfection

### Contractor Qualifications

Contractor shall be familiar with all aspects of the work outlined in these specifications and shall possess a C-57 or C-61 Contractors License. Contractor shall have a minimum of 5 years of experience in well servicing and chemical/mechanical rehabilitation work.

### Compliance with Applicable Laws and Regulations

Contractor shall perform all work in strict accordance with all Federal, State, and local regulations, including those applying to the handling, transportation, and disposal of chemicals used or produced on the project. Contractor shall also obtain all permits required for the performance of the work outlined in these specifications.

### Safety

Job site safety, both during and after working hours, is the sole responsibility of the Contractor. The Contractor, his employees and subcontractors shall be familiar with and

---

<sup>1</sup> Pueblo Water Resources, Inc.



comply with all applicable safety regulations and guidelines relating to the transportation, handling, and disposal of the chemicals to be utilized for the work as well as other aspects of the work, including electrical and mechanical safety guidelines and regulations. The Contractor shall also provide for and ensure public safety around the site both during and after work hours.

Contractor shall provide and maintain onsite the necessary equipment and materials for chemical mist and spray migration abatement, spill containment, neutralization, and cleanup of the chemicals utilized or produced during the project work. The Contractor shall be held responsible for any and all damages caused by fugitive chemical releases, including mist, spray, and spills. The Contractor shall address mitigation of chemical mist or spray which may occur during the raising and lowering of tools while the chemical solution is in the well. If the OTR determines that any of the Contractor's mitigation equipment, mitigation methods, safety measures, or safety equipment onsite are inadequate or inappropriate, he shall stop all work until the safety issue is corrected. No payment for standby time or equipment rental shall be made for such delays in the work.

### **Contractor's Equipment**

The Contractor shall provide all necessary equipment, tools, and appurtenances for the timely completion of the work. Contractor's equipment shall be in complete and safe operating condition and shall be appropriately maintained and operated during the project. No payment shall be made for standby time or equipment rental caused by a breakdown or failure of the Contractor's equipment. Equipment necessary for the work shall include, but not be limited to, the following items:

- Pump rig capable of lifting the line-swab tool at a minimum velocity of 3 feet/second at the bottom of the well
- Fishing (debris retrieval) tools
- 20-inch-nominal-diameter Nylon brush block (weighted)
- 10- to 12-inch-nominal-diameter bailer
- 19-inch-nominal-diameter single line swabbing tool
- 20-inch-nominal-diameter by 10-foot separation dual-swab zone-isolation air-lift assembly.
- One (minimum) 21,000-gallon (500-barrel) portable storage tank (e.g., Baker Tanks) for treatment, solids settling and temporary storage of well discharge water
- Pumps for transferring and circulating fluids in tanks (e.g., "trash" pumps)
- Temporary containment vessel for bailed fluids and solids removed from the well
- Temporary piping and valves for well pump discharge and storage tank piping
- Chemical pre-mix tank, minimum capacity 1,200 gallons



## Materials

The following materials shall be utilized in the chemical treatment of the well. The quantities of the chemicals listed are estimated based on existing water levels and well dimensions. No substitutions of chemical type shall be allowed without the prior written approval of the OTR.

### Chemical Requirement Estimate

Chemical	Purpose	Quantity
70% wt. Glycolic Acid*	Chelant / Biocide	220 gallons
28% wt. Hydrochloric Acid**	Mineral Acid	1,320 gallons
12.5% Sodium Hypochlorite	Disinfectant	55 gallons
Lime or Sodium Hydroxide	Neutralizer	As needed

\* With surfactant and dispersant additives

\* With corrosion inhibitor

\*

Prior to mobilization, the Contractor shall provide to the OTR for approval a list of the types and quantities of chemicals to be used for the redevelopment work. The Contractor shall provide suitable mixing tanks, transfer pumps, and agitators as necessary to accurately prepare, dilute, and inject the chemicals. The Contractor shall, at the completion of the work, legally dispose of all empty chemical containers or return them to the manufacturer. The Contractor shall obtain OSHA Material Safety Data Sheets (MSDS) for all chemicals. Copies of MSDS sheets shall be provided to the OTR prior to mobilization, and the Contractor shall retain copies of MSDS sheets onsite at all times.

## Procedures

Contractor shall, under the direction of the OTR or his representative, perform both mechanical and chemical redevelopment work on the well to remove deleterious material from the screens/gravel pack/aquifer matrices. The work shall be performed according to the following schedule, with allowances for the effectiveness of treatment as determined by the OTR.

- Task 1. Mobilize Contractor's equipment.
- Task 2. Remove existing vertical turbine pump and all downhole appurtenances, including the Baski Flow Control Valve [FCV]) from the well. Once removed from the well, the FCV shall be kept in the vertical upright position to prevent liquid leakage. Prior to reinstallation (Task 15), the OTR will perform leak testing of the FCV fittings.
- Task 3. After a period of no less than 24-hours following the removal of the pump from the well, the Contractor shall perform a video survey of the well. The video survey shall include downhole and sidescan views of the well screen and shall be performed as directed by the OTR.



- Task 4. Brush well screen using weighted Nylon brush. Each 20-foot section of well screen shall be brushed for 30 minutes.
- Task 5. Bail well to bottom to remove all material produced from the brushing operation. Bailed solids and fluids shall be placed in the temporary containment vessel.
- Task 6. Install temporary piping to route well discharge into the temporary storage tanks. The discharge piping shall contain valves, fittings, and ports to allow for acid neutralization of the discharge water, and routing of produced water from the temporary storage tanks to the disposal area (on-site backflush percolation pit at the Santa Margarita ASR Facility). The temporary storage tanks shall be connected in series, baffled or otherwise configured to allow and facilitate the settlement of solids in the produced water.
- Task 7. Using the dual-swab airlifting assembly fitted with air-line, pump while simultaneously swabbing each 10-foot screened section for 30 minutes, starting from the top of the screen and working down to the bottom. Water produced during the airlift pumping shall be routed to the fluids disposal area from the temporary storage tank.
- Task 8. Mix hydrochloric and glycolic acids proportionately in the 1,200 gallon (minimum) chemical pre-mix tank. Inject the mixture through the dual-swab assembly at each 20-foot section of screen in an amount proportional to the total screened interval. Chemicals shall be worked into the formation through vigorous swabbing for 30 minutes before proceeding to the next section. The introduction of chemicals and swabbing while chemicals are placed shall be performed in a continuous operation of not less than 12 hours. Once the chemicals are introduced, the Contractor shall allow the well to stand idle overnight.
- Task 9. Following introduction of the chemicals, removal of the dual-swab assembly from the well, and the initial overnight idle period, swab each 20-foot section of screen for 30 minutes using the line-swabbing tool. This procedure shall be repeated once. Equipment utilized during swabbing operations shall be capable of raising the swab at a velocity of 3 feet/second (minimum). The Contractor shall then allow the well to stand idle for a period no less than 12 hours following the initial swabbing of the acid solution. Following the second 12-hour idle period, line-swab each 20-foot section of screen for 30 minutes before moving on to the next 20-foot section of screen. This procedure shall also be repeated once.
- Task 10. Using the dual-swab assembly fitted with air-line, pump and simultaneously swab each 10-foot screened section for 60 minutes, or until the OTR determines that airlift/swabbing of each section is complete, starting from the top of the screen and working down to the bottom.
- Task 11. During the flushing of the acid solution from the well, Contractor shall neutralize the cleaning solution by placing soda ash or other acceptable base neutralizer in the storage tank under the direction of the OTR. Discharge water may be routed to the fluid disposal area only when the OTR has determined that the solution has been sufficiently neutralized for discharge (pH > 6.5).





- Task 12. Bail the well to bottom to remove any additional material produced during the agitation of the chemical solution. Bailed solids and fluids shall be placed in the temporary containment vessel.
- Task 13. After a period of no less than 24-hours following Task 12 bailing, the Contractor shall perform a video inspection of the well casing. The video survey shall include downhole and sidescan views of the well screen and shall be performed as directed by the OTR. The video survey shall verify that the well is free of structural damage and clear of all debris to total depth.
- Task 14. Upon completion of the video survey, Contractor shall prepare a 1,200-gallon mixture of 5,000-ppm chlorinated water. The mixture shall be adjusted to a pH of 7.0 to 8.0 prior to introduction into the well. The mixture shall be placed into the well and surged into each screened zone with a wire line surge block or other acceptable method. Each 20-foot section of well screen shall be surged for a minimum period of 30 minutes. The solution shall be allowed to stand overnight.
- Task 15. Contractor shall reinstall the District's pump assembly and related appurtenances. This task shall include the provision and installation of a ¼-inch-diameter stainless steel air-line from the top of pump bowls through the discharge head (approximately 460 feet) and capped.
- Task 16. Following reinstallation of the pump assembly, flush the chlorinated well water into the temporary holding tanks until the produced water is free of chlorine. Complete flushing shall be evidenced by a free chlorine residual of less than 0.02 ppm chlorine. Contractor shall neutralize the chlorine residual to below 0.1 ppm using an acceptable dechlorinating agent (e.g., sodium thiosulfate) before discharging the water to the disposal area.
- Task 17. Demobilize Contractor's equipment, remove storage tank and remove all rubbish, empty containers, and waste material from site. The residues removed from the well during the project (i.e., from bailing, settled solids in Baker Tanks, etc.,) shall be legally disposed offsite by the Contractor.

## Payment

Payment will be made according to the unit price schedule in the contract based on the actual unit quantities expended as determined by the OTR. Payment for lump sum items shall be made only upon satisfactory completion of the entire task.

Payment for work completed as part of Tasks 4, 5, 7, 9, and 10 **will be made on an hourly basis only for time spent performing "active" development or pumping.** Active development is defined as the actual time spent pumping, swabbing, airlifting/pumping, or both, of the well. Compensation will not be made for down time or time spent installing or removing pipe or tools, or for making connections.

Monterey Peninsula Water Management District  
 ASR-1 Well Rehabilitation Project  
 January 2020 (Project No. 18-0094)



### QUOTE for ASR-1 WELL REHABILITATION

Task No.	Task Description	Units	Estimated Quantity	Unit Price	Total
1	Mobilization	Lump Sum	1	\$	\$
2	Pump Assembly Removal	Lump Sum	1	\$	\$
3	Pre-Rehab Video Survey	Lump Sum	1	\$	\$
4	Nylon Brushing	Hourly	5	\$	\$
5	Bailing	Lump Sum	1	\$	\$
6	Temporary Tanks, Piping, etc.	Lump Sum	1	\$	\$
7	Pre-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	10	\$	\$
8.1	Chemicals	Lump Sum	1	\$	\$
8.2	Chemical Injection	Lump Sum	1	\$	\$
9	Dry-Swabbing	Hourly	10	\$	\$
10	Post-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	20	\$	\$
11	Acid Neutralization	Lump Sum	1	\$	\$
12	Bailing	Lump Sum	1	\$	\$
13	Post-Rehab Video Survey	Lump Sum	1	\$	\$
14	Well Disinfection	Lump Sum	1	\$	\$
15	Reinstallation of Pump Assembly	Lump Sum	1	\$	\$
16	Chlorine Flushing	Lump Sum	1	\$	\$
17	Demobilization	Lump Sum	1	\$	\$
Total Price					\$
Total in Words:					

Monterey Peninsula Water Management District  
ASR-1 Well Rehabilitation Project  
January 2020 (Project No. 18-0094)

---



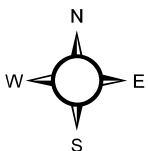
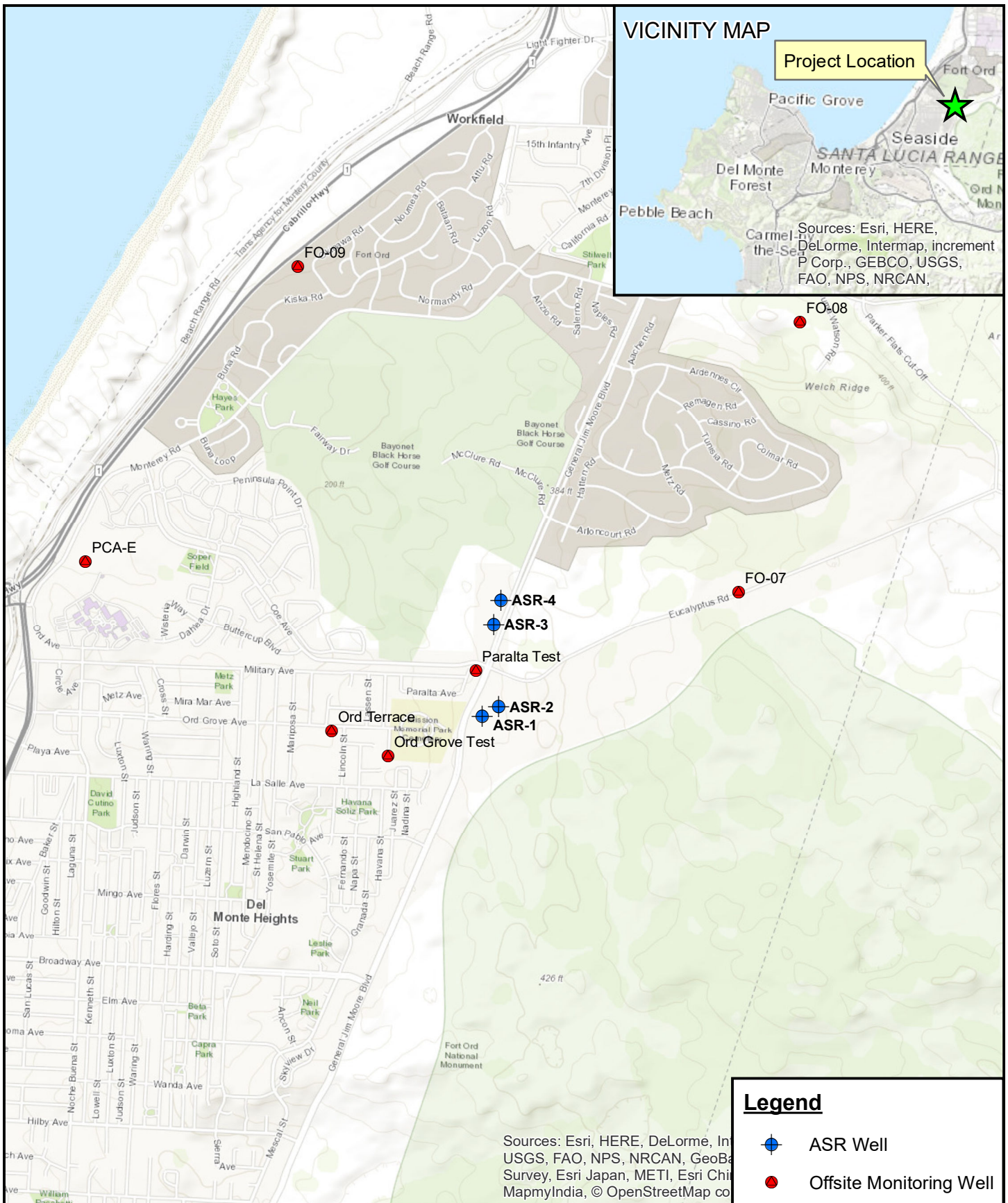
Chemical Supplier: \_\_\_\_\_

Name of Firm: \_\_\_\_\_ Estimated Start Date: \_\_\_\_\_

Representative: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

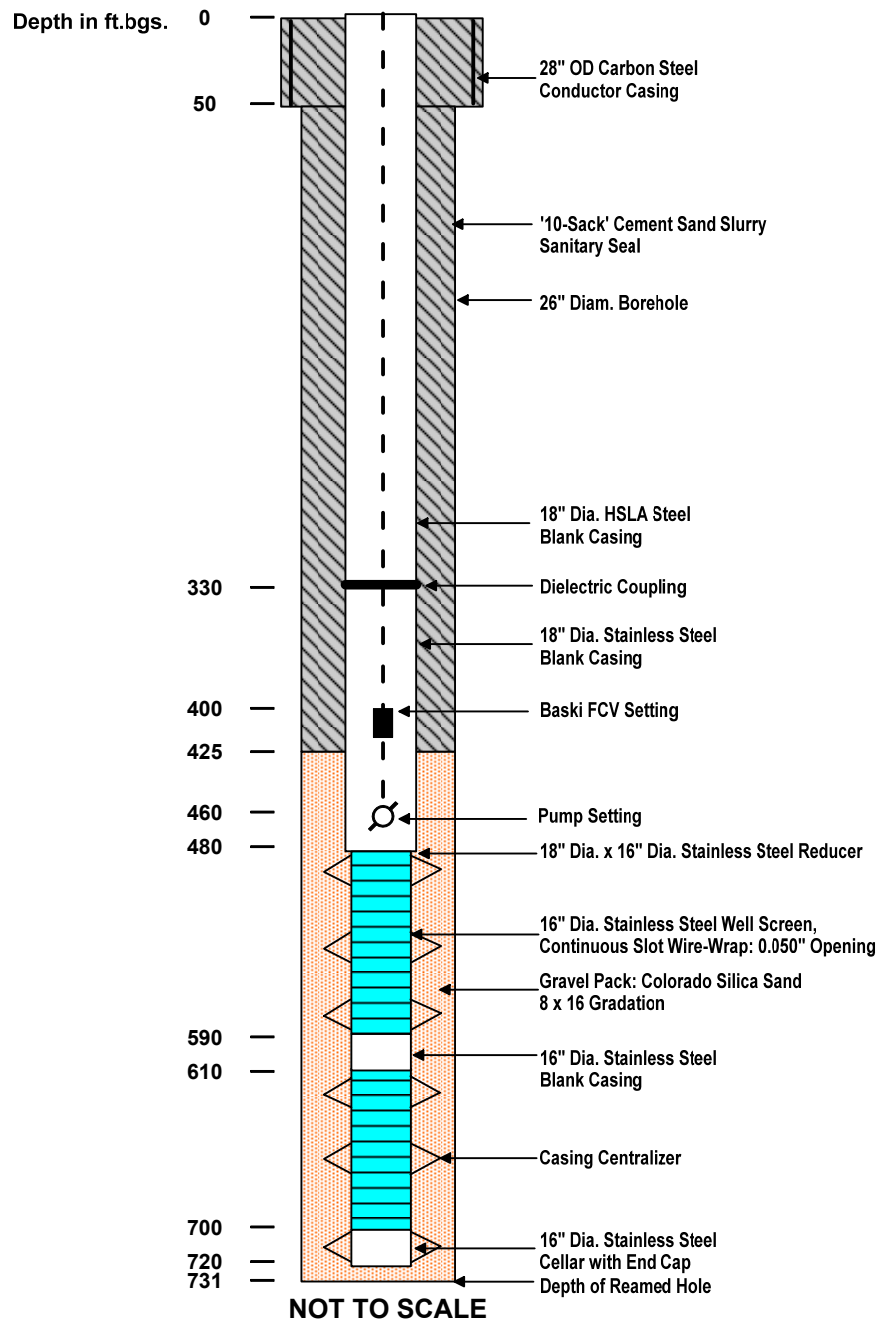
*PROPOSAL IS ASSUMED TO BE VALID FOR 90 DAYS UNLESS OTHERWISE NOTED*



1 inch = 2,000 feet

0 1,000 2,000 Feet

**FIGURE 1. SITE LOCATION MAP**  
**ASR-1 Rehabilitation Project**  
**Monterey Peninsula Water Management District**

Pump Assembly Notes:

Hp: 600

Bowls: 16ENL, 7 stage

Col. Pipe Dia: 12"

Col. Pipe Length: 20'

Assy. Type: Water Lube/Open Shaft

Baski FCV Setting: 400' - 410'

Top of Bowls: 460'

Bowl Length: 10.5'

Suction Length: 10'

Intake: 480.5'

Monterey Peninsula Water Management District  
 ASR-1 Well Rehabilitation Project  
 January 2020 (Project No. 18-0094)



## QUOTE for ASR-1 WELL REHABILITATION

Task No.	Task Description	Units	Estimated Quantity	Unit Price	Total
1	Mobilization	Lump Sum	1	\$ 23,100	\$ 23,100
2	Pump Assembly Removal	Lump Sum	1	\$ 10,000	\$ 10,000
3	Pre-Rehab Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100
4	Nylon Brushing	Hourly	5	\$ 400	\$ 2,000
5	Bailing	Lump Sum	1	\$ 1,800	\$ 1,800
6	Temporary Tanks, Piping, etc.	Lump Sum	1	\$ 2,700	\$ 2,700
7	Pre-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	10	\$ 500	\$ 5,000
8.1	Chemicals	Lump Sum	1	\$ 17,500	\$ 17,500
8.2	Chemical Injection	Lump Sum	1	\$ 5,160	\$ 5,160
9	Dry-Swabbing	Hourly	10	\$ 400	\$ 4,000
10	Post-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	20	\$ 500	\$ 10,000
11	Acid Neutralization	Lump Sum	1	\$ 2,600	\$ 2,600
12	Bailing	Lump Sum	1	\$ 1,500	\$ 1,500
13	Post-Rehab Video Survey	Lump Sum	1	\$ 1,100	\$ 1,100
14	Well Disinfection	Lump Sum	1	\$ 2,900	\$ 2,900
15	Reinstallation of Pump Assembly	Lump Sum	1	\$ 10,000	\$ 10,000
16	Chlorine Flushing	Lump Sum	1	\$ 2,200	\$ 2,200
17	Demobilization	Lump Sum	1	\$ 1,800	\$ 1,800
Total Price					\$ 104,460
Total in Words: <i>one hundred and four thousand four hundred and sixty dollars</i>					

Monterey Peninsula Water Management District  
ASR-1 Well Rehabilitation Project  
January 2020 (Project No. 18-0094)



Chemical Supplier: Amber Chemical  
Name of Firm: Zim Industries Estimated Start Date: 4/6/20  
Representative: Bob Zimmerer Title: V-P/Secretary  
Signature: [Handwritten Signature] Date: 2/21/20

PROPOSAL IS ASSUMED TO BE VALID FOR 90 DAYS UNLESS OTHERWISE NOTED

Monterey Peninsula Water Management District  
ASR-1 Well Rehabilitation Project  
January 2020 (Project No. 18-0094)



**QUOTE for ASR-1 WELL REHABILITATION**

Task No.	Task Description	Units	Estimated Quantity	Unit Price	Total
1	Mobilization	Lump Sum	1	\$ 23,800	\$ 23,800
2	Pump Assembly Removal	Lump Sum	1	\$ 10,300	\$ 10,300
3	Pre-Rehab Video Survey	Lump Sum	1	\$ 1,133	\$ 1,133
4	Nylon Brushing	Hourly	5	\$ 412	\$ 2,060
5	Bailing	Lump Sum	1	\$ 1,854	\$ 1,854
6	Temporary Tanks, Piping, etc.	Lump Sum	1	\$ 2,781	\$ 2,781
7	Pre-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	10	\$ 515	\$ 5,150
8.1	Chemicals	Lump Sum	1	\$ 18,375	\$ 18,375
8.2	Chemical Injection	Lump Sum	1	\$ 5,315	\$ 5,315
9	Dry-Swabbing	Hourly	10	\$ 412	\$ 4,120
10	Post-Chemical Simultaneous Air-Lift Pumping/Swabbing	Hourly	20	\$ 515	\$ 10,300
11	Acid Neutralization	Lump Sum	1	\$ 2,678	\$ 2,678
12	Bailing	Lump Sum	1	\$ 1,545	\$ 1,545
13	Post-Rehab Video Survey	Lump Sum	1	\$ 1,133	\$ 1,133
14	Well Disinfection	Lump Sum	1	\$ 2,987	\$ 2,987
15	Reinstallation of Pump Assembly	Lump Sum	1	\$ 10,300	\$ 10,300
16	Chlorine Flushing	Lump Sum	1	\$ 2,266	\$ 2,266
17	Demobilization	Lump Sum	1	\$ 1,854	\$ 1,854
Total Price					\$ 107,951
Total in Words: <i>one hundred and seven thousand nine hundred and fifty-one dollars</i>					



**ITEM:     CONSENT CALENDAR****7.       ELECTION OF SECRETARY AND TREASURER FOR 2021**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
----------------------	--------------------------	------------------	------------

<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
--------------	---	------------------------------------	------------

<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>
---------------------	----------------------	-----------------------	------------

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on February 10, 2021 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** It has been Board's past practice to elect the General Manager to serve as Secretary and the Administrative Services Manager to serve as Treasurer. In December 2020, when the Board conducted election of Chair & Vice-Chair for 2021, the Secretary and the Treasurer positions were inadvertently omitted from the election.

**RECOMMENDATION:** The Administrative Committee recommends that the Board elect David Stoldt, General Manager to serve as Secretary and Suresh Prasad, Administrative Services Manager, as Treasurer for 2021.

**EXHIBIT**

None



**ITEM: CONSENT CALENDAR****8. RECEIVE PENSION REPORTING STANDARDS GOVERNMENT ACCOUNTING STANDARDS BOARD STATEMENT NO. 68 ACCOUNTING VALUATION REPORT****Meeting Date: February 25, 2021 Budgeted: N/A****From: David J. Stoldt, General Manager Program/ Line Item No.: N/A****Prepared By: Suresh Prasad Cost Estimate: N/A****General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

**SUMMARY:** In June 2012, the Government Accounting Standards Board (GASB) approved a new reporting statement, GASB Statement No. 68 (GASB 68), that improved the financial reporting of pensions by local governments. GASB 68, formally titled *Accounting and Financial Reporting for Pensions*, establishes new accounting and financial reporting standards for local governments that provide their employees with pensions. The new standard requires government agencies to report pension information to increase transparency about pension costs to help decision makers factor in the financial impact of total pension obligations. GASB 68 must be implemented by June 30, 2015. The District complied with this requirement with the FY 2014-2015 Comprehensive Annual Financial Report (CAFR). It is noteworthy to mention that the GASB 68 standard only applies to reporting the liability and does not stipulate any requirement for funding the liability.

District's Net Pension Liability as of June 30, 2020 is estimated at \$5,560,550. See calculation below:

	<b>Miscellaneous Risk Pool</b>	<b>Allocation Factor</b>	<b>MPWMD Share</b>
Total Pension Liability	\$17,984,188,264	0.0012238	\$22,009,050
Risk Pool Fiduciary Net Position	\$13,979,687,268	0.0011766	\$16,448,500
Net Pension Liability/(Asset)	\$ 4,004,500,996		\$ 5,560,550

In comparison, District's Net Pension Liability as of June 30, 2019 was estimated at \$5,114,655. It is to be noted that the Net Pension Liability can change significantly from year to year based on the market conditions and the position of the District's Fiduciary Net Position (District's Market Value of Assets). For example, if the actual CalPERS investment earnings rate increases over the projected annual rate of investment return (currently set at 7.15%), then for the same future pension obligations, the unfunded Net Pension Liability would go down.

The District's outside auditing firm, Hayashi & Wayland, provided staff with guidance on how to conform to the GASB 68 requirements. Hayashi & Wayland provided a final opinion on the appropriateness of the GASB 68 allocation that was presented in the FY 2019-2020 Comprehensive Annual Financial Report.

The pension liability reported in the Annual Financial Report for GASB 68 purposes does not impact the District's budget. The District's annual budget process will continue to use the annual pension costs that are provided by CalPERS in the actuarial valuation report in the July timeframe each year. This report provides the employer contribution rate that is used to determine the annual pension cost for the District.

**RECOMMENDATION:** The Administrative Committee recommends that the Board receive the GASB 68 Accounting Valuation Report prepared by CalPERS.

**BACKGROUND:** Local governments with pensions have a total pension liability, which is the obligation to pay deferred pension benefits in the future. When the total pension liability is greater than the pension plan's assets there is a net pension liability, also known as unfunded pension liability. GASB 68 now requires governments to report their net pension liability on their government-wide financial statements, as well as in the proprietary fund statements, in the Annual Financial Report. Government-wide financial statements report information about the government as a whole without displaying individual funds or fund types. Prior to GASB 68 the net pension liability was reported in the annual actuarial report provided by CalPERS, but not in the government agency Annual Financial Report.

The new GASB 68 reporting requirements will impact the Annual Financial Report on an annual basis going forward. As with past practice, the District will continue to pay the annual required contribution for the pension liabilities as identified in the annual CalPERS actuarial report. The actuarial report, which informs the District of its FY 2021-2022 pension payments and rates, was released in July 2020. There will be a small discrepancy between the reports since the GASB 68 reports are based on actuarial analysis using employee census data that is two years in arrears while the July actuarial reports are based on current calendar year employee census data.

The annual contribution rate prescribed by CalPERS includes amortization of the unfunded Net Pension Liability. Other strategies to reduce the unfunded liability might include a borrowing to increase the District's Market Value of Assets, which would require annual debt repayments, or increased annual contributions over and above the annual contribution calculated by CalPERS. Neither approach would ensure the unfunded liability would not continue to vary in its calculation going forward.

Beginning with the fiscal year 2018-2019 budget, District has started setting aside funds towards the unfunded pension and other postemployment benefits (OPEB). With each budget cycle, staff will continue to recommend adding additional funds to these reserve accounts.

## **EXHIBIT**

### **8-A GASB 68 Accounting Valuation Report**



## **GASB 68 Accounting Report**

---

**Prepared for  
Miscellaneous Risk Pool,  
a Cost-Sharing Multiple-Employer  
Defined Benefit Pension Plan**

**Measurement Date of June 30, 2019**

## Table of Contents

Actuarial Certification	3
Introduction	4
Changes in the Miscellaneous Risk Pool Net Pension Liability	5
Pension Expense/(Income) for the Measurement Period Ended June 30, 2019	6
Deferred Outflows and Deferred Inflows of Resources Related to Pensions	7
Required Supplementary Information	8

### **Appendix A – Risk Pool Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**

Schedule of Changes of Assumptions	A-1
Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Changes of Assumptions	A-2
Schedule of Differences Between Expected and Actual Experience	A-3
Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Expected and Actual Experience	A-4
Schedule of Differences Between Projected and Actual Earnings on Pension Plan Investments	A-5
Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Projected and Actual Earnings on Pension Plan Investments	A-6
Summary of Recognized Deferred Outflows of Resources and Deferred Inflows of Resources	A-7

### **Appendix B – Interest and Total Projected Earnings**

Risk Pool Interest on Total Pension Liability and Total Projected Earnings	B-1
--	-----

### **Appendix C – Schedule of Collective Pension Amounts**

Schedule of Collective Pension Amounts for PERF C, as of the Measurement Date June 30, 2019	C-1
---	-----

## Actuarial Certification

This report provides disclosure and reporting information as required under Governmental Accounting Standards Board Statement 68 (GASB 68) for the Miscellaneous Risk Pool, which is part of the Public Agency Cost-Sharing Multiple-Employer Defined Benefit Pension Plan (the Plan or PERF C) administered by the California Public Employees' Retirement System (CalPERS), for the measurement period ended June 30, 2019.

This report is to be viewed solely for the purpose of financial accounting requirements. Any usage of the contents provided in this report for purposes other than financial accounting requirements would be inappropriate.

This accounting report relies on liabilities and related validation work performed by the CalPERS Actuarial Office as part of the June 30, 2018 annual funding valuation. The census data and benefit provisions underlying the liabilities were prepared as of June 30, 2018 and certified as part of the annual funding valuation by the CalPERS Actuarial Office. The June 30, 2018 liabilities, which were rolled forward to June 30, 2019 and used for this accounting report, are based on actuarial assumptions adopted by the CalPERS Board of Administration and consistent with the requirements of GASB 68. The assumptions and methods are internally consistent and reasonable for PERF C. The asset information used in this accounting report is provided by the CalPERS Financial Office.

With the provided liability and asset information, the total pension liability, net pension liability, deferred inflows and outflows and pension expense were developed for the measurement period using standard actuarial techniques.

The undersigned are actuaries for CalPERS, who are members of the American Academy of Actuaries and the Society of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.

NATHAN JENSEN, ASA, MAAA  
Associate Pension Actuary, CalPERS  
CalPERS Actuarial Office

CHEUK KIU (JET) AU, ASA, MAAA  
Senior Pension Actuary, CalPERS  
CalPERS Actuarial Office

## Introduction

This is the GASB 68 accounting report for the Miscellaneous Risk Pool for the measurement date June 30, 2019. The Public Agency cost-sharing multiple-employer defined benefit pension plan (the Plan or PERF C) is administered by the California Public Employees' Retirement System (CalPERS). PERF C consists of a miscellaneous pool and a safety pool (also referred to as "risk pools"), which are comprised of individual employer miscellaneous and safety valuation rate plans, respectively. Individual employers may sponsor more than one miscellaneous and safety valuation rate plan. The employer participates in one cost-sharing multiple-employer defined benefit pension plan regardless of the number of valuation rate plans the employer sponsors. Each employer should combine information provided for their participation in the miscellaneous and/or safety pools to report them as one Plan in their financial statements.

GASB 68 requires that the reported results must pertain to liability and asset information within certain defined timeframes. For this report, the following timeframes are used.

Valuation Date	June 30, 2018
Measurement Date	June 30, 2019
Measurement Period	June 30, 2018 to June 30, 2019



## Changes in the Miscellaneous Risk Pool Net Pension Liability

The following table shows the changes in the net pension liability recognized over the measurement period.

	Increase (Decrease)		
	Total Pension Liability (a)	Risk Pool Fiduciary Net Position (b)	Net Pension Liability/(Asset) (c) = (a) – (b)
<b>Balance at: 06/30/2018</b>	<b>\$16,891,153,209</b>	<b>\$13,122,440,092</b>	<b>\$3,768,713,117</b>
<b>Beginning of Year Adjustment</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Adjusted Balance at: 06/30/2018</b>	<b>\$16,891,153,209</b>	<b>\$13,122,440,092</b>	<b>\$3,768,713,117</b>
<b>Changes Recognized for the Measurement Period:</b>			
Service Cost	\$419,094,766		\$419,094,766
Interest on Total Pension Liability	1,212,477,468		1,212,477,468
Changes of Benefit Terms	1,283,372		1,283,372
Changes of Assumptions	0		0
Differences Between Expected and Actual Experience	251,306,290		251,306,290
Net Plan to Plan Resource Movement		\$28,244,929	(28,244,929)
Contributions – Employer		579,262,498	(579,262,498)
Contributions – Employees		184,665,204	(184,665,204)
Net Investment Income		865,624,853	(865,624,853)
Benefit Payments, Including Refunds of Employee Contributions	(791,126,841)	(791,126,841)	0
Administrative Expense		(9,453,860)	9,453,860
Other Miscellaneous Income/(Expense)		30,393	(30,393)
<b>Net Changes During 2018-19</b>	<b>\$1,093,035,055</b>	<b>\$857,247,176</b>	<b>\$235,787,879</b>
<b>Balance at: 06/30/2019</b>	<b>\$17,984,188,264</b>	<b>\$13,979,687,268</b>	<b>\$4,004,500,996</b>

### Sensitivity of the Net Pension Liability to Changes in the Discount Rate

	Discount Rate -1% 6.15%	Current Discount Rate 7.15%	Discount Rate + 1% 8.15%
Risk Pool's Net Pension Liability/(Asset)	\$6,423,429,224	\$4,004,500,996	\$2,007,846,603

## Pension Expense/(Income) for the Measurement Period Ended June 30, 2019

Description	Amount
Service Cost	\$419,094,766
Interest on Total Pension Liability	1,212,477,468
Changes of Benefit Terms	1,283,372
Recognized Changes of Assumptions	201,085,119
Recognized Differences Between Expected and Actual Experience	90,118,983
Net Plan to Plan Resource Movement	(28,244,929)
Employee Contributions	(184,665,204)
Projected Earnings on Pension Plan Investments	(936,360,511)
Recognized Differences Between Projected and Actual Earnings on Plan Investments	159,378,283
Administrative Expense	9,453,860
Other Miscellaneous (Income)/Expense	(30,393)
<b>Total Pension Expense/(Income)</b>	<b>\$943,590,814</b>

Note: Employers should also include changes in proportion and differences between actual and proportionate share of contributions in the pension expense computation.

## Deferred Outflows and Deferred Inflows of Resources Related to Pensions

The following table presents deferred outflows and deferred inflows of resources related to pensions as of June 30, 2019. Note that no adjustments have been made for contributions subsequent to the measurement date. Appropriate treatment of any contributions made after the measurement date is the responsibility of the employer. Employers are also responsible for determining the difference between the employers' actual and allocated contributions and changes in proportion.

	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes of Assumptions	\$190,953,116	\$(67,691,294)
Differences Between Expected and Actual Experience	278,129,471	(21,549,404)
Net Difference Between Projected and Actual Earnings on Pension Plan Investments	0	(70,011,075)
<b>Total</b>	<b>\$469,082,587</b>	<b>\$(159,251,773)</b>

Amounts reported as deferred outflows and deferred inflows of resources related to pensions will be recognized in future pension expense as follows:

Measurement Periods Ended June 30:	Deferred Outflows/(Inflows) of Resources
2020	\$294,655,907
2021	(32,128,597)
2022	33,156,374
2023	14,147,130
2024	0
Thereafter	0

Note: For employers with June 30 year-end, the fiscal year will be one year later than the measurement period. For example, the 2020 measurement period presented in the above table will be listed as year 2021 in the employer's fiscal year ending June 30, 2020 financial statements.

### Expected Average Remaining Service Lifetime (EARSL)

The EARSL for PERF C for the measurement period ending June 30, 2019 is 3.8 years, which was obtained by dividing the total service years of 530,470 (the sum of remaining service lifetimes of the active employees) by 140,593 (the total number of participants: active, inactive, and retired) in PERF C. Inactive employees and retirees have remaining service lifetimes equal to 0. Total future service is based on the members' probability of decrementing due to an event other than receiving a cash refund.

## Required Supplementary Information

### Summary of Changes of Benefits or Assumptions

Benefit Changes: There were no changes to benefit terms that applied to all members of the Public Agency Pool. However, individual employers in the Plan may have provided a benefit improvement to their employees by granting Two Years Additional Service Credit to members retiring during a specified time period (a.k.a. Golden Handshakes). Employers that have done so may need to report this information as a separate liability in their financial statement as CalPERS considers such amounts to be separately financed employer-specific liabilities. These employers should consult with their auditors.

Changes of Assumptions: None.

Employers should refer to CalPERS' Comprehensive Annual Financial Report for the fiscal year ended June 30, 2019, which may be accessed on the CalPERS website at [www.calpers.ca.gov](http://www.calpers.ca.gov), to obtain the required supplementary information for proper financial reporting.

## Appendices

- **Appendix A – Risk Pool Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**
- **Appendix B – Interest and Total Projected Earnings**
- **Appendix C – Schedule of Collective Pension Amounts**

## **Appendix A**

### **Risk Pool Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions**

- Schedule of Changes of Assumptions
- Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Changes of Assumptions
- Schedule of Differences Between Expected and Actual Experience
- Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Expected and Actual Experience
- Schedule of Differences Between Projected and Actual Earnings on Pension Plan Investments
- Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Projected and Actual Earnings on Pension Plan Investments
- Summary of Recognized Deferred Outflows of Resources and Deferred Inflows of Resources

**Schedule of Changes of Assumptions**

Measurement Date	Changes of Assumptions	Remaining Recognition Period (Years)	Increase (Decrease) in Pension Expense Arising From the Recognition of the Effects of Changes of Assumptions						
			2019	2020	2021	2022	2023	2024	Thereafter
2014	\$0	0.0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2015	(242,065,946)	0.0	0	0	0	0	0	0	0
2016	0	0.0	0	0	0	0	0	0	0
2017	907,027,295	1.8	238,691,393	190,953,116	0	0	0	0	0
2018	(142,903,842)	2.8	(37,606,274)	(37,606,274)	(30,085,020)	0	0	0	0
2019	0	0.0	0	0	0	0	0	0	0
<b>Net Increase (Decrease) in Pension Expense</b>			<b>\$201,085,119</b>	<b>\$153,346,842</b>	<b>\$(30,085,020)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Changes of Assumptions**

Measurement Date	Increase in Total Pension Liability (a)	Decrease in Total Pension Liability (b)	Amounts Recognized in Pension Expense Through June 30, 2019 (c)	Balances at June 30, 2019	
				Deferred Outflows of Resources (a) – (c)	Deferred Inflows of Resources (b) – (c)
2014	\$0	\$0	\$0	\$0	\$0
2015	0	(242,065,946)	(242,065,946)	0	0
2016	0	0	0	0	0
2017	907,027,295	0	716,074,179	190,953,116	0
2018	0	(142,903,842)	(75,212,548)	0	(67,691,294)
2019	0	0	0	0	0
				<b>\$190,953,116</b>	<b>\$(67,691,294)</b>



**Schedule of Differences Between Expected and Actual Experience**

Increase (Decrease) in Pension Expense Arising From the Recognition of the Effects of Differences Between Expected and Actual Experience									
Measurement Date	Differences Between Expected and Actual Experience	Remaining Recognition Period (Years)	2019	2020	2021	2022	2023	2024	Thereafter
2014	\$0	0.0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2015	25,585,821	0.0	0	0	0	0	0	0	0
2016	(3,805,440)	0.7	(719,949)	0	0	0	0	0	0
2017	(102,359,669)	1.8	(26,936,755)	(21,549,404)	0	0	0	0	0
2018	196,241,321	2.8	51,642,453	51,642,453	41,313,962	0	0	0	0
2019	251,306,290	3.8	66,133,234	66,133,234	66,133,234	52,906,588	0	0	0
<b>Net Increase (Decrease) in Pension Expense</b>			<b>\$90,118,983</b>	<b>\$96,226,283</b>	<b>\$107,447,196</b>	<b>\$52,906,588</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Expected and Actual Experience**

Measurement Date	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Pension Expense Through June 30, 2019 (c)	Balances at June 30, 2019	
				Deferred Outflows of Resources (a) – (c)	Deferred Inflows of Resources (b) – (c)
2014	\$0	\$0	\$0	\$0	\$0
2015	25,585,821	0	25,585,821	0	0
2016	0	(3,805,440)	(3,805,440)	0	0
2017	0	(102,359,669)	(80,810,265)	0	(21,549,404)
2018	196,241,321	0	103,284,906	92,956,415	0
2019	251,306,290	0	66,133,234	185,173,056	0
				<b>\$278,129,471</b>	<b>\$(21,549,404)</b>

**Schedule of Differences Between Projected and Actual Earnings on Pension Plan Investments**

**Increase (Decrease) in Pension Expense Arising From the Recognition of the Differences  
 Between Projected and Actual Earnings on Pension Plan Investments**

<b>Measurement Date</b>	<b>Differences Between Projected and Actual Earnings on Pension Plan Investments</b>	<b>Remaining Recognition Period (Years)</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Thereafter</b>
2014	\$(910,997,066)	0.0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2015	571,477,513	1.0	114,295,501	0	0	0	0	0	0
2016	772,867,770	2.0	154,573,554	154,573,554	0	0	0	0	0
2017	(448,702,781)	3.0	(89,740,556)	(89,740,556)	(89,740,557)	0	0	0	0
2018	(169,486,738)	4.0	(33,897,348)	(33,897,348)	(33,897,348)	(33,897,346)	0	0	0
2019	70,735,658	5.0	14,147,132	14,147,132	14,147,132	14,147,132	14,147,130	0	0
<b>Net Increase (Decrease) in Pension Expense</b>			<b>\$159,378,283</b>	<b>\$45,082,782</b>	<b>\$(109,490,773)</b>	<b>\$(19,750,214)</b>	<b>\$14,147,130</b>	<b>\$0</b>	<b>\$0</b>

**Deferred Outflows of Resources and Deferred Inflows of Resources Arising From Differences Between Projected and Actual Earnings on Pension Plan Investments**

Measurement Date	Investment Earnings Less Than Projected (a)	Investment Earnings Greater Than Projected (b)	Amounts Recognized in Pension Expense Through June 30, 2019 (c)	Balances at June 30, 2019	
				Deferred Outflows of Resources (d) = (a) – (c)	Deferred Inflows of Resources (e) = (b) – (c)
2014	\$0	\$(910,997,066)	\$(910,997,066)	\$0	\$0
2015	571,477,513	0	571,477,513	0	0
2016	772,867,770	0	618,294,216	154,573,554	0
2017	0	(448,702,781)	(269,221,668)	0	(179,481,113)
2018	0	(169,486,738)	(67,794,696)	0	(101,692,042)
2019	70,735,658	0	14,147,132	56,588,526	0
				<b>\$211,162,080</b>	<b>\$(281,173,155)</b>
				<b>Net Deferred Outflows/(Inflows) of Resources (d) + (e)</b>	
				<b>\$(70,011,075)</b>	

**Note:** GASB 68 paragraph 33 requires that deferred outflows of resources and deferred inflows of resources arising from differences between projected and actual pension plan investment earnings in different measurement periods should be aggregated and reported as a net deferred outflow or inflow.

**Summary of Recognized Deferred Outflows of Resources and Deferred Inflows of Resources**

	Net Increase (Decrease) in Pension Expense						
	2019	2020	2021	2022	2023	2024	Thereafter
Changes of Assumptions	\$201,085,119	\$153,346,842	\$(30,085,020)	\$0	\$0	\$0	\$0
Differences Between Expected and Actual Experience	90,118,983	96,226,283	107,447,196	52,906,588	0	0	0
Net Differences Between Projected and Actual Earnings on Pension Plan Investments	159,378,283	45,082,782	(109,490,773)	(19,750,214)	14,147,130	0	0
<b>Grand Total</b>	<b>\$450,582,385</b>	<b>\$294,655,907</b>	<b>\$(32,128,597)</b>	<b>\$33,156,374</b>	<b>\$14,147,130</b>	<b>\$0</b>	<b>\$0</b>

## **Appendix B**

### **Interest and Total Projected Earnings**

- Risk Pool Interest on Total Pension Liability and Total Projected Earnings

**Risk Pool Interest on Total Pension Liability and Total Projected Earnings**

<b>Interest on Total Pension Liability</b>	<b>Amount for Period (a)</b>	<b>Portion of Period (b)</b>	<b>Interest Rate (c)</b>	<b>Interest on the Total Pension Liability (a) X (b) X (c)</b>
Beginning Total Pension Liability	\$16,891,153,209	100%	7.15%	\$1,207,717,454
Changes of Benefit Terms	1,283,372	100%	7.15%	91,761
Changes of Assumptions	0	100%	7.15%	0
Difference Between Expected and Actual Experience	251,306,290	100%	7.15%	17,968,400
Service Cost	419,094,766	50%	7.15%	14,982,638
Benefit Payments, Including Refunds of Employee Contributions	(791,126,841)	50%	7.15%	(28,282,785)
<b>Total Interest on Total Pension Liability</b>				<b>\$1,212,477,468</b>

<b>Projected Earnings on Pension Plan Investments</b>	<b>Amount for Period (a)</b>	<b>Portion of Period (b)</b>	<b>Projected Rate of Return (c)</b>	<b>Projected Earnings (a) X (b) X (c)</b>
Beginning Plan Fiduciary Net Position Excluding Receivables <sup>1</sup>	\$13,099,628,192	100%	7.15%	\$936,623,416
Net Plan to Plan Resource Movement	28,244,929	50%	7.15%	1,009,756
Employer Contributions	579,262,498	50%	7.15%	20,708,634
Employee Contributions <sup>2</sup>	185,688,903	50%	7.15%	6,638,378
Benefit Payments, Including Refunds of Employee Contributions	(791,126,841)	50%	7.15%	(28,282,785)
Administrative Expense	(9,453,860)	50%	7.15%	(337,975)
Other Miscellaneous Income/(Expense)	30,393	50%	7.15%	1,087
<b>Total Projected Earnings</b>				<b>\$936,360,511</b>

<sup>1</sup> Includes any beginning of year adjustment. Contribution receivables for employee service buybacks, totaling \$22,811,900 as of June 30, 2018, were excluded for purposes of calculating projected earnings on pension plan investments.

<sup>2</sup> The change in contribution receivables for employee service buybacks, totaling \$(1,023,699) during the fiscal year 2018-19, were excluded for purposes of calculating projected earnings on pension plan investments.

## **Appendix C**

### **Schedule of Collective Pension Amounts**

- Schedule of Collective Pension Amounts for PERF C, as of the Measurement Date June 30, 2019



**Schedule of Collective Pension Amounts for PERF C, as of the Measurement Date June 30, 2019**

	<b>Miscellaneous</b>	<b>Safety</b>	<b>Total</b>
Total Pension Liability	\$17,984,188,264	\$23,442,265,225	\$41,426,453,489
Plan Fiduciary Net Position	\$13,979,687,268	\$17,199,726,799	\$31,179,414,067
<b>Net Pension Liability</b>	<b>\$4,004,500,996</b>	<b>\$6,242,538,426</b>	<b>\$10,247,039,422</b>
Deferred Outflows of Resources			
Changes of Assumptions	190,953,116	255,870,778	446,823,894
Differences Between Expected and Actual Experience	278,129,471	407,581,459	685,710,930
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	0	0	0
<b>Total Deferred Outflows of Resources Excluding Employer Specific Amounts<sup>1</sup></b>	<b>469,082,587</b>	<b>663,452,237</b>	<b>1,132,534,824</b>
Deferred Inflows of Resources			
Changes of Assumptions	(67,691,294)	(49,932,947)	(117,624,241)
Differences Between Expected and Actual Experience	(21,549,404)	0	(21,549,404)
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	(70,011,075)	(85,876,728)	(155,887,803)
<b>Total Deferred Inflows of Resources Excluding Employer Specific Amounts<sup>1</sup></b>	<b>(159,251,773)</b>	<b>(135,809,675)</b>	<b>(295,061,448)</b>
<b>Plan Pension Expense</b>	<b>\$943,590,814</b>	<b>\$1,264,997,744</b>	<b>\$2,208,588,558</b>

<sup>1</sup> No adjustments have been made for employer specific amounts such as changes in proportion, differences between employer contributions and proportionate share of contributions, and contributions to the Plan subsequent to the measurement date as defined in paragraphs 54, 55, and 57 of GASB 68. Appropriate treatment of such amounts is the responsibility of the employer.



**ITEM: CONSENT CALENDAR****9. RECEIVE GOVERNMENT ACCOUNTING STANDARDS BOARD STATEMENT NO. 75 ACCOUNTING AND FINANCIAL REPORTING FOR POSTEMPLOYMENT BENEFITS OTHER THAN PENSIONS****Meeting Date: February 25, 2021 Budgeted: N/A****From: David J. Stoldt, General Manager Program/ Line Item No.: N/A****Prepared By: Suresh Prasad Cost Estimate: N/A****General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** In July 2004, the Governmental Accounting Standards Board (GASB) issued Statement Nos. 43 & 45, establishing financial reporting requirement for post-employment benefits other than pensions. The District currently provides health insurance benefits as a post-employment benefit and has complied with GASB 43 & 45 requirements by including current and future cost information in its financial statements beginning with Fiscal Year 2009-2010. Previously, for GASB 45 purposes, District used the actuarial firm Milliman, Inc. to compile the required data using the alternative measurement report method.

In June 2015, GASB issued Statement No. 75 replacing GASB 45, financial reporting requirement for post-employment benefits other than pensions, which now includes information with respect to the total obligation to provide future retiree health and welfare benefits with fiscal year beginning June 15, 2017. Since this is a report that requires a full actuarial report, District used Precision Actuarial, Inc. to prepare this report to meet GASB Statement No. 75 for the fiscal year ending June 30, 2020 attached as **Exhibit 9-A**. It is noteworthy to mention that the GASB 75 standard only applies to reporting the liability and does not stipulate any requirement for funding the liability.

As stated in the Executive Summary, page 3, the District's Net OPEB Liability as of June 30, 2020 is estimated at \$4,116,712, most of which remains unfunded. In comparison, District's Net OPEB Liability as of June 30, 2019 was estimated at \$4,542,208.

The District's annual expense of \$237,425 would fully fund the current and future costs amortized over time. In FY 2019-2020, the District paid premium contributions towards medical coverage for twelve retirees and one surviving spouse of retiree in the amount of \$117,237. This actual cost would be deducted from any contribution made for the year. For example, if the District had fully funded its contribution in FY 2019-2020, the \$117,237 would have been deducted from the \$237,425 resulting in a net contribution of \$120,188. It should be noted that

both current and future costs must be recalculated on an annual basis based on then current employee data and District benefit levels, so the contribution amounts may vary somewhat each subsequent year. The District can elect to either partially fund, fully fund or continue to fund the costs on a pay-as-you-go basis. The District's budget in the past has included funds for pay-as-you-go basis. The District budget starting with fiscal year 2018-2019 has also included an additional \$100,000 set aside towards OPEB reserve funds.

**RECOMMENDATION:** The Administrative Committee recommends that the Board receive the GASB 75 OPEB Valuation Report prepared by Precision Actuarial, Inc.

**BACKGROUND:** In July 2004, GASB issued Statement Nos. 43 & 45, establishing financial reporting requirements for post-employment benefits other than pensions. The District provides health insurance as a post-employment benefit and is required to comply with GASB 43 & 45 and include the required information in its audited financial statements beginning in FY 2009-10.

In June 2015, GASB issued Statement No. 75 replacing GASB 45, financial reporting requirement for post-employment benefits other than pensions, which now includes information with respect to the total obligation to provide future retiree health and welfare benefits with fiscal year beginning June 15, 2017.

The main thrust of GASB OPEB standard is to require that public-sector employees recognize the cost of other post-employment benefits over the service life of their employees rather than on a pay-as-you-go basis. While the liability amount must be included in each entities annual audited financial statements, the GASB statements do not require that the amount actually be funded. Government entities can either partially fund, fully fund or continue to fund the costs on a pay-as-you-go basis.

Beginning with the fiscal year 2018-2019 budget, District has started setting aside funds towards the unfunded pension and other postemployment benefits (OPEB). With each budget cycle, staff will continue to recommend adding additional funds to these reserve accounts.

## **EXHIBIT**

### **9-A     GASB 75 OPEB Valuation Report**

**Monterey Peninsula Water Management District**  
**Retiree Health Benefits Plan**  
**GASB 75 OPEB Valuation Report Measured as of June 30, 2020**  
**for Disclosures for the Fiscal Year Ending June 30, 2020**

November 16, 2020



562A Filbert Street, Suite 4  
San Francisco, California 94133  
t: (415) 801-5987 f: (415) 358-8500  
[www.precisionactuarial.com](http://www.precisionactuarial.com)



562A Filbert Street, Suite 4  
San Francisco, CA 94133  
[www.precisionactuarial.com](http://www.precisionactuarial.com)  
(415) 801-5987

November 16, 2020

Suresh Prasad  
Administrative Services Manager/CFO  
Monterey Peninsula Water Management District  
P.O. Box 85  
Monterey, California 93942

**Re: Monterey Peninsula Water Management District Retiree Health Benefits Plan GASB 75 OPEB Valuation  
Measured as of June 30, 2020**

Dear Mr. Prasad:

At your request, we completed an actuarial valuation of the retiree health and welfare benefits valued as of June 30, 2020, and measured as of June 30, 2020, for the Monterey Peninsula Water Management District. This is a full valuation. Please use the information in this report for your financial statements for the fiscal year ending June 30, 2020. This valuation is based on input from the District and from CalPERS, as well as our understanding of GASB Statement No. 75 "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions" (GASB 75).

We greatly appreciate your business. If you have any questions, please feel free to call us at (415) 801-5987.

Best Regards,

Roger T. Burton, FSA, MAAA, FCA



**Corporate Solutions for the Modern World**  
healthcare • Pension • Valuations • Life & Disability • P&C • Financial Reporting  
Risk Management • Reinsurance • M&A • Expert Witness

DUNS: 079861610 CAGE: 7EC83 CA Supplier: 1798304

**Contents**

---

**Executive Summary**

Overview	1
Accounting Summary	3
Reconciliation of the Change in the Total OPEB Liability	4

**Accounting Information**

Changes in the Total OPEB Liability	5
Development of Deferred Outflows and Inflows of Resources	6
Expense and Deferred Outflows and Inflows	7
Reconciliation of Expense	8
Interest on Total OPEB Liability	9
OPEB Cash-Flow Projections	10
OPEB Cash-Flow Projections Chart	11
Schedule of Implicit Subsidy Liability	12
Schedule of Deferred Outflows and Inflows of Resources	13
Schedule of Changes in the Total OPEB Liability and Related Ratios	14
Draft Notes to the Financial Statements	15

**Basis of Valuation**

Substantive Plan	19
Participant Summary	20
Participant Summary Charts	21
Actuarial Assumptions	22

**Appendix**

About GASB 75	25
Decrement Tables	29

**Purpose of the Report**

Precision Actuarial prepared this report to meet employer financial accounting requirements under GASB Statement No. 75 “Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions”, issued in June 2015, as amended by GASB Statement No. 85. This report includes information with respect to the obligation to provide future retiree health and welfare benefits for the fiscal year ending June 30, 2020.

**Valuation Date:** June 30, 2020

**Measurement Date:** June 30, 2020

**Report Date:** June 30, 2020

**Application to Financials**

This report provides liabilities and expenses for use in the District's 2020 financial reports.

The District should use the liabilities and expense measured as of June 30, 2020, for its financial statements for the year ending June 30, 2020.

**Changes Since the Prior Valuation**

This valuation is a full valuation. We updated:

- Census
- Premiums
- Healthcare trends
- Discount rate from 3.13% to 2.45%
- Benefit payments

**Actuarial Certification**

Our determinations reflect the provisions and methods prescribed by GASB 75. In preparing this report, we relied on employee census, plan design, premium rates, and administrative fees provided directly or indirectly by the plan sponsor, and demographic assumptions provided by CalPERS. CalPERS' actuaries set the premium rates using community rating. We did not attempt to verify that the community-rated premium rates represent the true cost of claims and administrative fees.



---

**Overview**

---

**Actuarial Certification (*continued*)**

We based the results in this report on this information, along with the actuarial assumptions and methods used herein. In our opinion, the assumptions used represent reasonable expectations of anticipated plan experience. We reviewed the census information for reasonableness, but we did not audit it.

Actuarial computations under GASB 75 fulfill employer accounting and financial reporting requirements. The calculations are consistent with our understanding of GASB 75. Determinations for purposes other than meeting employer financial accounting requirements may be significantly different from the results in our report. Accordingly, additional determinations may be necessary for other purposes, such as judging benefit security at termination.

No third-party recipient of Precision Actuarial's work product should rely solely on Precision Actuarial's work product. Any third-party recipient should engage qualified professionals for advice appropriate to their own needs.

There is no relationship between Precision Actuarial, its owners, subcontractors, or staff; GovInvest; or the Monterey Peninsula Water Management District beyond the contractual services that we perform for the Monterey Peninsula Water Management District.

On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, the report is complete and accurate and that we prepared it in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the applicable "Actuarial Standards of Practice" and "Actuarial Compliance Guidelines" as promulgated by the American Academy of Actuaries.

The undersigneds are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein.



**Roger T. Burton, FSA, MAAA, FCA**  
*Chief Actuary*



**Christian M. Boughner, ASA, MAAA**  
*Consulting Actuary*

## Accounting Summary

A summary of the key valuation results follows.

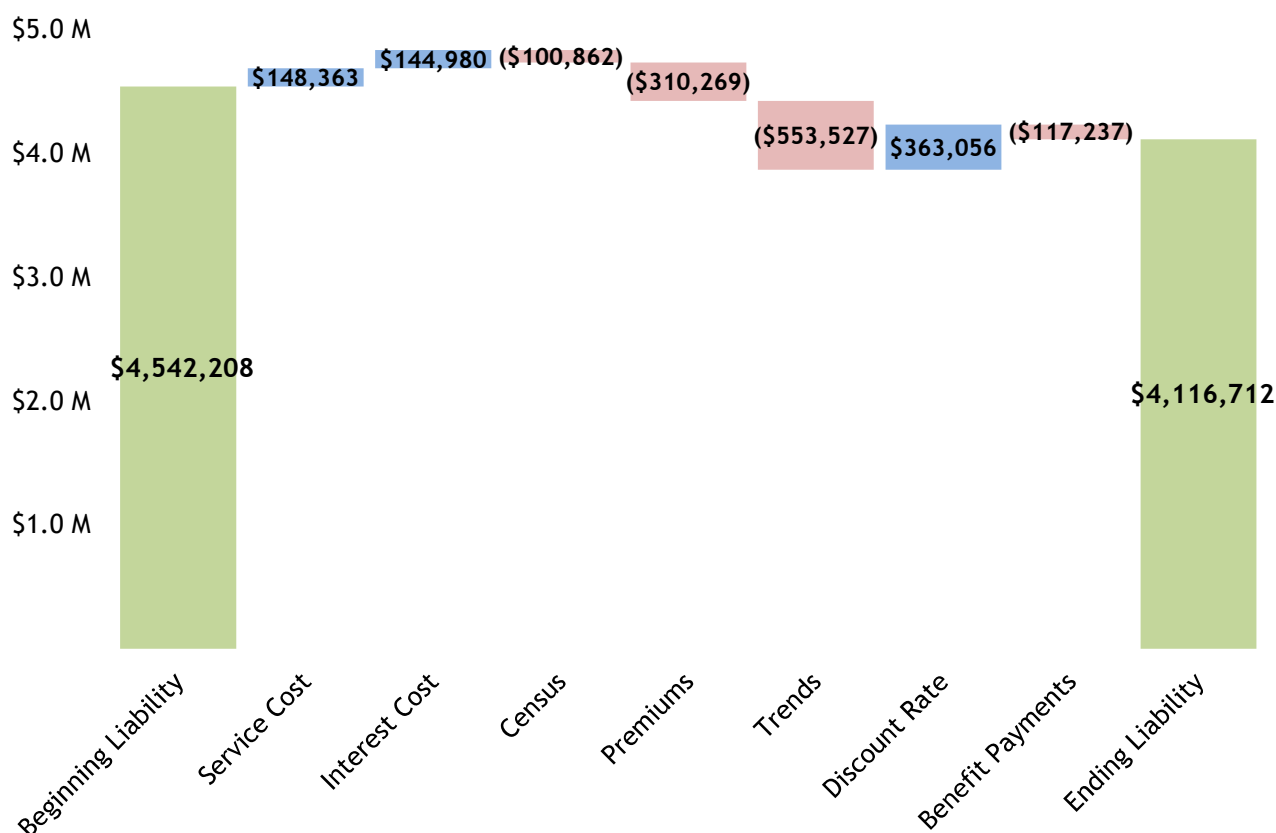
	<i>Prior Report</i>	<i>Current Report</i>
Valuation Date:	June 30, 2018	June 30, 2020
Measurement Date:	June 30, 2019	June 30, 2020
Report Date:	June 30, 2019	June 30, 2020
<b>Present Value of Future Benefits</b>		
Active Employees	\$ 4,134,154	\$ 3,220,494
Retirees	+ 1,607,742	2,022,247
<b>Total Present Value of Future Benefits</b>	<b>= 5,741,896</b>	<b>5,242,741</b>
<b>Total Present Value of Future Normal Costs</b>	<b>- 1,199,688</b>	<b>1,126,029</b>
<b>Total OPEB Liability</b>	<b>= \$ 4,542,208</b>	<b>\$ 4,116,712</b>
<b>OPEB Liability</b>		
Active Employees	\$ 2,934,466	\$ 2,094,465
Retirees	+ 1,607,742	2,022,247
<b>Total OPEB Liability</b>	<b>= \$ 4,542,208</b>	<b>\$ 4,116,712</b>
Covered-Employee Payroll	\$ 2,508,173	\$ 2,577,148
Total OPEB Liability as a Percentage of Covered-Employee Payroll	181.10%	159.74%
<b>Measurement Period:</b>		
	<b>2018-2019</b>	<b>2019-2020</b>
<b>Reporting Period:</b>		
	<b>2018-2019</b>	<b>2019-2020</b>
<b>Expense</b>	<b>\$ 326,016</b>	<b>\$ 237,425</b>

## Reconciliation of the Change in the Total OPEB Liability

A reconciliation of the changes to the Total OPEB Liability since the prior valuation report follow.

<b>Total OPEB Liability as of Measurement Date June 30, 2019 /</b>	
<b>Report Date June 30, 2019</b>	<b>\$ 4,542,208</b>
Service Cost	148,363
Interest Cost	144,980
Change in Census	(100,862)
Change in Premiums	(310,269)
Change in Healthcare Trends	(553,527)
Change in Discount Rate from 3.13% to 2.45%	363,056
Benefits Paid	(117,237)
<b>Total OPEB Liability as of Measurement Date June 30, 2020 /</b>	
<b>Report Date June 30, 2020</b>	<b>\$ 4,116,712</b>

### Reconciliation of the Change in the Total OPEB Liability



## Changes in the Total OPEB Liability

---

The funded status of the Plan as of the fiscal year-end, as well as other required disclosure information, follows.

	<i>Increase / (Decrease)</i> <u>Total OPEB Liability</u>
<b>Balance as of Measurement Date June 30, 2019 / Report Date June 30, 2019</b>	<b>\$ 4,542,208</b>
<b>Changes for the year:</b>	
Service Cost	148,363
Interest	144,980
Changes of Benefit Terms	-
Differences Between Expected and Actual Experience	(411,131)
Changes of Assumptions	(190,471)
Benefit Payments	(117,237)
Implicit Subsidy Credit	-
Other Changes	-
<b>Net Changes</b>	<b>(425,496)</b>
<b>Balance as of Measurement Date June 30, 2020 / Report Date June 30, 2020</b>	<b>\$ 4,116,712</b>

## Development of Deferred Outflows and Inflows of Resources

Balances as of Measurement Date June 30, 2020 / Report Date June 30, 2020

### Deferred Outflows and Inflows of Resources Arising from Differences Between Expected and Actual Experience

Measurement Date — June 30:	Experience Losses (a)	Experience Gains (b)	Amounts Recognized in Expense Through Measurement Date June 30, 2020 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2018	\$ -	\$ -	\$ -	\$ -	\$ -
2019	-	-	-	-	-
2020	-	(411,131)	(65,259)	-	(345,872)
Total				<u>\$ -</u>	<u>\$ (345,872)</u>

### Deferred Outflows and Inflows of Resources Arising from Changes in Assumptions

Measurement Date — June 30:	Increase in Total Liability (a)	Decrease in Total Liability (b)	Amounts Recognized in Expense Through Measurement Date June 30, 2020 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2018	\$ -	\$ -	\$ -	\$ -	\$ -
2019	249,320	-	79,150	170,170	-
2020	-	(190,471)	(30,234)	-	(160,237)
Total				<u>\$ 170,170</u>	<u>\$ (160,237)</u>

## Expense and Deferred Outflows and Inflows

	Measurement Period:	2019-2020
	Reporting Period:	<u>2019-2020</u>
<b>Expense</b>		
Service Cost	\$	148,363
Interest on Total OPEB Liability		144,980
Changes of Benefit Terms		-
Recognized Differences Between Expected and Actual Experience		(65,259)
Recognized Changes of Assumptions		9,341
Other Miscellaneous (Income)/Expense		<u>-</u>
<b>Total Expense</b>	<b>\$</b>	<b>237,425</b>

	<u>Report Year Ending June 30, 2020</u>	
	<u>Deferred Outflows of</u>	<u>Deferred Inflows of</u>
	<u>Resources</u>	<u>Resources</u>
Differences Between Expected and Actual Experience	\$ -	\$ (345,872)
Changes of Assumptions	170,170	(160,237)
Contributions Subsequent to the Measurement Date	<u>-</u>	<u>-</u>
<b>Total</b>	<b><u>\$ 170,170</u></b>	<b><u>\$ (506,109)</u></b>

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

<u>Report Year Ending June 30:</u>	<u>Amount</u>
2021	\$ (55,918)
2022	(55,918)
2023	(55,918)
2024	(55,918)
2025	(83,623)
Remaining	(28,644)

## Reconciliation of Expense

	Total OPEB Liability	Deferred (Inflows)	Deferred Outflows	Net Deferrals	Total OPEB Liability plus Net Deferrals	Annual Expense
Balance as of Measurement Date June 30, 2019 / Report Date June 30, 2019	\$ (4,542,208)	\$ -	\$ 209,745	\$ 209,745	\$ (4,332,463)	
Service Cost	(148,363)					\$ 148,363
Interest on Total OPEB Liability	(144,980)					144,980
Effect of Changes of Benefit Terms	-					-
Effect of Liability Gains or Losses	411,131	(411,131)	-	(411,131)		
Effect of Assumption Changes or Inputs	190,471	(190,471)	-	(190,471)		
Benefit Payments	117,237				117,237	
Implicit Subsidy Credit	-				-	
Recognition of Liability Gains or Losses		65,259	-	65,259		(65,259)
Recognition of Assumption Changes or Inputs		30,234	(39,575)	(9,341)		9,341
Annual Expense					(237,425)	\$ 237,425
Balance as of Measurement Date June 30, 2020 / Report Date June 30, 2020	\$ (4,116,712)	\$ (506,109)	\$ 170,170	\$ (335,939)	\$ (4,452,651)	

### Interest on Total OPEB Liability

For the report year ending June 30, 2020

	Amount for Period	Portion of Period	Interest Rate	Interest on the Total OPEB Liability
Interest on Total OPEB Liability	(a)	(b)	(c)	(d) = (a) × (b) × (c)
Beginning Total OPEB Liability	\$ 4,542,208	100%	3.13%	\$ 142,171
Service Cost	148,363	100%	3.13%	4,644
Benefit Payments	(117,237)	50%	3.13%	(1,835)
Implicit Subsidy	-	50%	3.13%	-
<b>Total Interest on Total OPEB Liability</b>				<b>\$ 144,980</b>



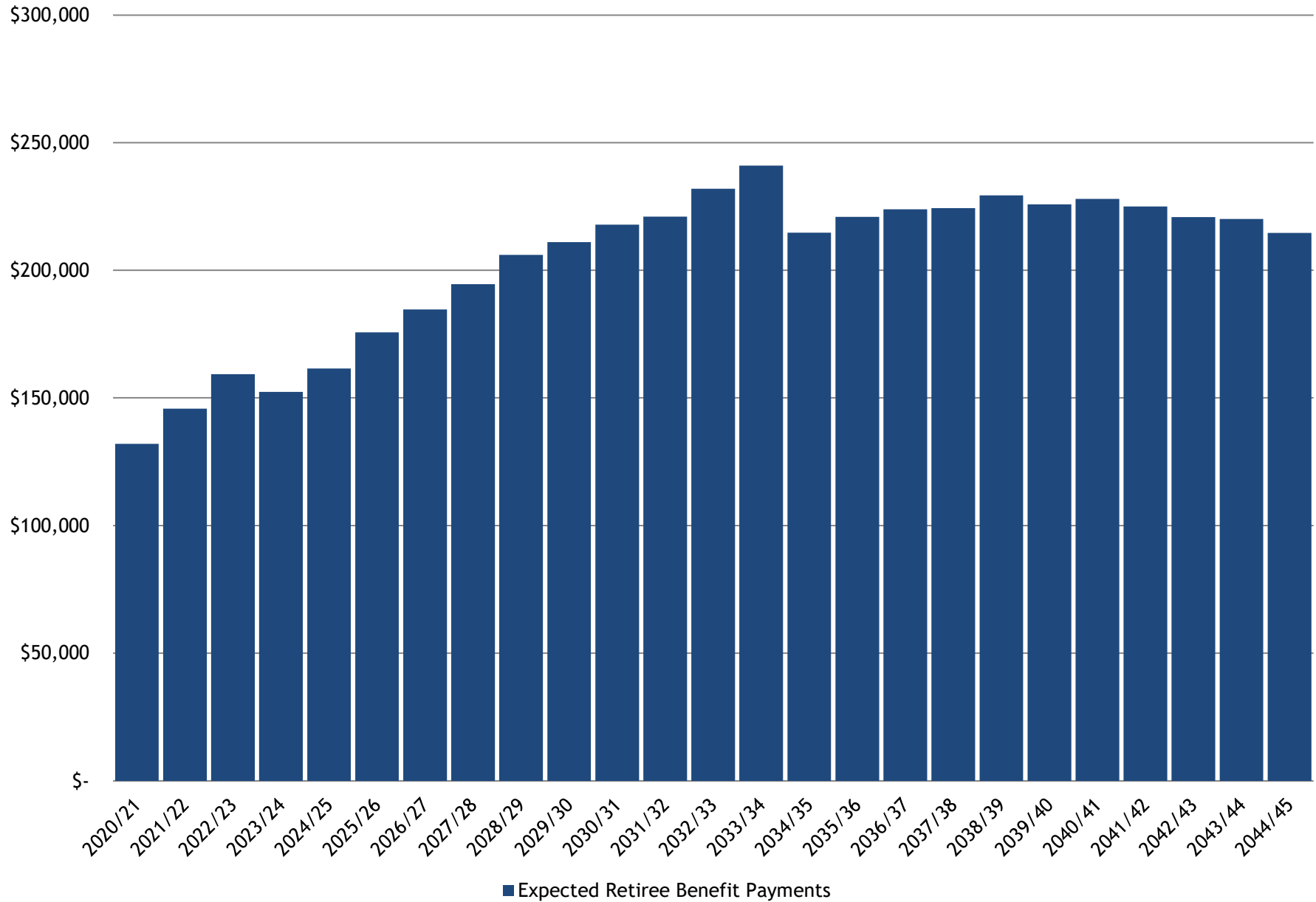
## OPEB Cash-Flow Projections

---

OPEB cash-flow projections for current participants for the next twenty-five years follow.

Measurement	Expected Retiree		Total Expected
Period Ending	Benefit Payments	Implicit Subsidy	Benefit Payments
June 30:			
2021	\$ 131,963	\$ -	\$ 131,963
2022	145,734	-	145,734
2023	159,308	-	159,308
2024	152,370	-	152,370
2025	161,463	-	161,463
2026	175,656	-	175,656
2027	184,630	-	184,630
2028	194,544	-	194,544
2029	206,014	-	206,014
2030	211,002	-	211,002
2031	217,821	-	217,821
2032	221,033	-	221,033
2033	231,888	-	231,888
2034	240,961	-	240,961
2035	214,670	-	214,670
2036	220,890	-	220,890
2037	223,879	-	223,879
2038	224,290	-	224,290
2039	229,309	-	229,309
2040	225,787	-	225,787
2041	227,964	-	227,964
2042	224,964	-	224,964
2043	220,810	-	220,810
2044	220,108	-	220,108
2045	214,575	-	214,575

## OPEB Cash-Flow Projections for Current Participants



## Schedule of Implicit Subsidy Liability

Actuarial standard of practice (ASOP) number 6, "Measuring Retiree Group Benefits Obligations and Determining Retiree Group Benefits Program Periodic Costs or Actuarially Determined Contributions", requires the inclusion of the implicit subsidy in OPEB valuations.

The implicit subsidy arises when an employer allows a retiree and the retiree's dependents to continue on the plans for active employees, and pay the active-employee premiums. Retirees are not paying the true cost of their benefits because they have higher costs than active employees, and therefore are partially subsidized by the active employees. Once a retiree reaches Medicare eligibility, the rates are set for Medicare retirees separately, and are

Measurement Date (June 30):	2018	2019	2020
Report Date (June 30):	<u>2018</u>	<u>2019</u>	<u>2020</u>
Benefit Payments	\$ 4,104,989	\$ 4,542,208	\$ 4,116,712
Implicit Subsidy	<u>-</u>	<u>-</u>	<u>-</u>
Total OPEB Liability	<u>\$ 4,104,989</u>	<u>\$ 4,542,208</u>	<u>\$ 4,116,712</u>
Discount Rate	3.50%	3.13%	2.45%

## Schedule of Deferred Outflows and Inflows of Resources

## Schedule of Deferred Outflows and Inflows of Resources

	Measurement Period	Base Amount	Amount Previously Recognized	Recognition Period	Remaining Period	Increase/(Decrease) in Expense: Measurement / Report Years Ending June 30:						Remaining
						2020 2020	2021 2021	2022 2022	2023 2023	2024 2024	2025 2025	
Differences Between Expected and Actual Experience	2017-2018	-	-	6.3	4.3	-	-	-	-	-	-	-
	2018-2019	-	-	6.3	5.3	-	-	-	-	-	-	-
	2019-2020	(411,131)	-	6.3	6.3	(65,259)	(65,259)	(65,259)	(65,259)	(65,259)	(65,259)	(19,577)
Changes of Assumptions	2017-2018	-	-	6.3	4.3	-	-	-	-	-	-	-
	2018-2019	249,320	39,575	6.3	5.3	39,575	39,575	39,575	39,575	39,575	11,870	-
	2019-2020	(190,471)	-	6.3	6.3	(30,234)	(30,234)	(30,234)	(30,234)	(30,234)	(30,234)	(9,067)

## Summary of Deferred Outflows and Inflows of Resources

Measurement Period: July 1, 2019 - June 30, 2020

Fiscal Reporting Period: July 1, 2019 - June 30, 2020

	Measurement/Report Years Ending June 30:						2020	2021	2022	2023	2024	2025	Remaining
Differences Between Expected and Actual Experience							\$ (65,259)	\$ (65,259)	\$ (65,259)	\$ (65,259)	\$ (65,259)	\$ (65,259)	\$ (19,577)
Changes of Assumptions							9,341	9,341	9,341	9,341	9,341	(18,364)	(9,067)
Total							\$ (55,918)	\$ (55,918)	\$ (55,918)	\$ (55,918)	\$ (55,918)	\$ (83,623)	\$ (28,644)

### Schedule of Changes in the Total OPEB Liability and Related Ratios

GASB 75 requires a disclosure of the changes in the Total OPEB Liability for the last ten fiscal years, or for as many years as are available.

Measurement Date (June 30):	2018	2019	2020
Report Date (June 30):	<u>2018</u>	<u>2019</u>	<u>2020</u>
<b><u>Total OPEB Liability</u></b>			
Service Cost	\$ 127,662	\$ 131,173	\$ 148,363
Interest	140,378	155,268	144,980
Changes of Benefit Terms	-	-	-
Differences Between Expected and Actual Experience	-	-	(411,131)
Changes of Assumptions	-	249,320	(190,471)
Benefit Payments	(92,380)	(98,542)	(117,237)
Implicit Subsidy Credit	-	-	-
Net Change in Total OPEB Liability	175,660	437,219	(425,496)
Total OPEB Liability – Beginning	<u>3,929,329</u>	<u>4,104,989</u>	<u>4,542,208</u>
<b>Total OPEB Liability – Ending</b>	<b><u>\$ 4,104,989</u></b>	<b><u>\$ 4,542,208</u></b>	<b><u>\$ 4,116,712</u></b>
Covered-Employee Payroll	\$ 2,441,044	\$ 2,508,173	\$ 2,577,148
District's Total OPEB Liability as a Percentage of Covered-Employee Payroll	168.2%	181.1%	159.7%

Notes to schedule: the District adopted GASB 75 for the fiscal year ending June 30, 2018.

## Draft Notes to the Financial Statements

---

*A draft of the required notes to the District's financial statements, based on the requirements of GASB 75 and our understanding of the District's retiree health plan, follows.*

### Notes to the Financial Statements for the Year Ended June 30, 2020

#### Summary of Significant Accounting Policies

##### *Other Postemployment Benefits Other Than Pensions (OPEB)*

For purposes of measuring the total OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense information about the fiduciary net position of the District's Retiree Health Benefits Plan (the Plan) and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by the Plan. For this purpose, the Plan recognizes benefit payments when due and payable in accordance with the benefit terms.

#### Note X – Other Post-Employment Benefits (OPEB)

##### *Plan Description*

The District administers an Agent Multiple-Employer defined-benefit post-employment healthcare plan (The Plan). Dependents are eligible to enroll, and benefits continue to surviving spouses for 1 year following the member's death.

##### *Benefits Provided*

Retirees are eligible for medical benefits if they retire at Age 50+. A retiree who was hired before 7/1/2013 and retires with 15+ years of service is eligible to receive a payment of \$1,256 per month for fiscal-year end 6/30/2021. The amount of this payment increases 3% annually. All other retirees are eligible to receive \$540 per month with no service requirements. There are no disability benefits.

##### *Employees Covered by Benefit Terms*

At June 30, 2020 (the census date), the benefit terms covered the following employees:

<u>Category</u>	<u>Count</u>
Inactive employees, spouses, or beneficiaries currently receiving benefit payments:	13
Inactive employees entitled to but not yet receiving benefit payments:	0
Active employees:	22
<b>Total</b>	<b>35</b>

## Draft Notes to the Financial Statements

---

### *Contributions*

The District pays benefits as they come due.

Contribution rate:	Benefits Due
Reporting period contributions:	\$117,237

### *Financial Report*

The District issues a stand-alone financial report that is available to the public. The report is available at: <https://www.mpwmd.net/who-we-are/finance/budgets/>

### *Total OPEB Liability*

The District's total OPEB liability was valued as of June 30, 2020, and was used to calculate the total OPEB liability measured as of June 30, 2020.

### *Actuarial Assumptions*

The total OPEB liability in the June 30, 2020 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Measurement Date:	June 30, 2019	June 30, 2020
Discount Rate	3.13%	2.45%
Inflation	2.50%	0.75%
Healthcare Cost Trend Rates	n/a	7.00% Trending down to 3.84% over 54 years. Applies to calendar years.
Salary Increases	2.750%	2.750% Additional merit-based increases based on CalPERS merit salary increase tables.
Mortality Rates	Based on CalPERS tables.	

### *Discount Rate*

The discount rate used to measure the total OPEB liability is 2.45%. The District's OPEB Plan is an unfunded plan, therefore the discount rate was set to the rate of tax-exempt, high-quality 20-year municipal bonds, as of the valuation date.

## Draft Notes to the Financial Statements

*Changes in the Total OPEB Liability**Increase/(Decrease)***Total OPEB Liability**

<b>Balance as of Report Date June 30, 2019</b>	<b>\$ 4,542,208</b>
Changes for the year:	
Service Cost	148,363
Interest	144,980
Changes of Benefit Terms	-
Differences Between Expected and Actual Experience	(411,131)
Changes of Assumptions	(190,471)
Benefit Payments	(117,237)
Implicit Subsidy Credit	-
Other Miscellaneous Income/(Expense)	-
<b>Net Changes</b>	<b>(425,496)</b>
<b>Balance as of Report Date June 30, 2020</b>	<b>\$ 4,116,712</b>

*Sensitivity of Liability to Changes in the Discount Rate and Healthcare Cost Trend Rate*

Sensitivity of the total OPEB liability to changes in the discount rate. The total OPEB liability of the District, as well as what the District's total OPEB liability would be if it were calculated using a discount rate that is one percentage point lower (1.45%) or one percentage point higher (3.45%) follows:

	<b>1% Decrease</b>	<b>Discount Rate</b>	<b>1% Increase</b>
	<b>1.45%</b>	<b>2.45%</b>	<b>3.45%</b>
<b>Total OPEB Liability (Asset)</b>	<b>\$ 4,750,218</b>	<b>\$ 4,116,712</b>	<b>\$ 3,598,914</b>
<b>Increase (Decrease)</b>	<b>633,506</b>		<b>(517,798)</b>
<b>% Change</b>	<b>15.4%</b>		<b>-12.6%</b>

Sensitivity of the total OPEB liability to changes in the healthcare cost trend rates. The healthcare trend for this valuation started at 7.00% and decreased to 3.84% over 54 years. The total OPEB liability of the District, as well as what the District's total OPEB liability would be if it were calculated using healthcare cost trend rates that are one percentage point lower (6.00%) or one percentage point higher (8.00%) than current healthcare cost trend rates follows:

	<b>1% Decrease</b>	<b>Trend Rate</b>	<b>1% Increase</b>
	<b>6.00%</b>	<b>7.00%</b>	<b>8.00%</b>
<b>Total OPEB Liability (Asset)</b>	<b>\$ 3,566,349</b>	<b>\$ 4,116,712</b>	<b>\$ 4,802,132</b>
<b>Increase (Decrease)</b>	<b>(550,363)</b>		<b>685,420</b>
<b>% Change</b>	<b>-13.4%</b>		<b>16.6%</b>



## Draft Notes to the Financial Statements

### *OPEB Expense and Deferred Inflows and Outflows of Resources Related to OPEB*

For the report year ended June 30, 2020, the District recognized an OPEB expense of \$237,425. The District reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences Between Actual and Expected Experience	\$ -	\$ (345,872)
Changes of Assumptions	170,170	(160,237)
Contributions Subsequent to the Measurement Date	-	-
<b>Total</b>	<b>\$ 170,170</b>	<b>\$ (506,109)</b>

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

	Report Year Ending June 30:	Amount
	2021	\$ (55,918)
	2022	(55,918)
	2023	(55,918)
	2024	(55,918)
	2025	(83,623)
	Remaining	(28,644)
<i>Current Liability</i>		
Current OPEB Liability	\$ 130,366	
Non-Current OPEB Liability	3,986,346	
<b>Total OPEB Liability</b>	<b>\$ 4,116,712</b>	

## Substantive Plan

A summary of the substantive plan used as the basis of the valuation follows.

Tier 1 – Hired Before 7/1/2013 or Classic Member under PEPR	
Less than 15 Years of Service	
Eligibility	On attainment of age 50.
Duration of coverage	Retiree's lifetime.
Dependent coverage	Eligible to enroll but no employer contribution. Surviving spouse benefits available for one year after retiree death, if applicable
Medical plan choices	Retiree will be enrolled in the Laborers Northern California Trust Special Plan.
Core Benefit	District contributes up to \$540. This amount is fixed.
15 or More Years of Service	
Eligibility	On attainment of age 50 and 15 years of Service.
Duration of coverage	Retiree's lifetime.
Dependent coverage	Eligible to enroll but no employer contribution. Surviving spouse benefits available for one year after retiree death, if applicable
Medical plan choices	Retiree will be enrolled in the Laborers Northern California Trust Special Plan.
Core Benefit	District contributes up to \$1,255.54 per month for fiscal-year end 6/30/2020. This cap increases by 3% on July 1st of each successive year.

Tier 2 – Hired After 1/1/2013 or PEPR New Member Under PEPR	
Eligibility	On attainment of age 50.
Duration of coverage	Retiree's lifetime.
Dependent coverage	Eligible to enroll but no employer contribution. Surviving spouse benefits available for one year after retiree death, if applicable.
Medical plan choices	Retiree will be enrolled in the Laborers Northern California Trust Special Plan.

## Participant Summary

Census Date: June 30, 2020

Age and service determined as of the census date.

Active Participants											
Age	Years of Service										Total
	< 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	
< 25											0
25-29	1	1									2
30-34		3									3
35-39	1			1							2
40-44		1			1						2
45-49			2	1							3
50-54		1			1	1		2			5
55-59							2				2
60-64			1						2		3
65-69											0
70+											0
Total	2	6	3	2	2	1	2	2	2	0	22

Average Active Participant Age: 46.4

## Changes from Prior Census

Average Years of Service: 14.4

Active Participants	Count
Prior Census	24
Hires +	5
Terminations* -	4
Retirements -	3
Current Census =	22

Inactive Participants	Retiree
Prior Census	10
Retirements +	3
Deaths* -	0
Current Census =	13

\*Includes withdrawals

\*\*Retiree spouse ages are unknown

Inactive Participants			
Age	Retiree	Spouse**	Total
< 50			0
50-54	1		1
55-59			0
60-64	4		4
65-69	3		3
70-74	3		3
75-79	1		1
80-84	1		1
85-89			0
90+			0
Total	13	0	13

Average Inactive Participant Age: 68.8

## Participant Summary Charts

Census Date: June 30, 2020

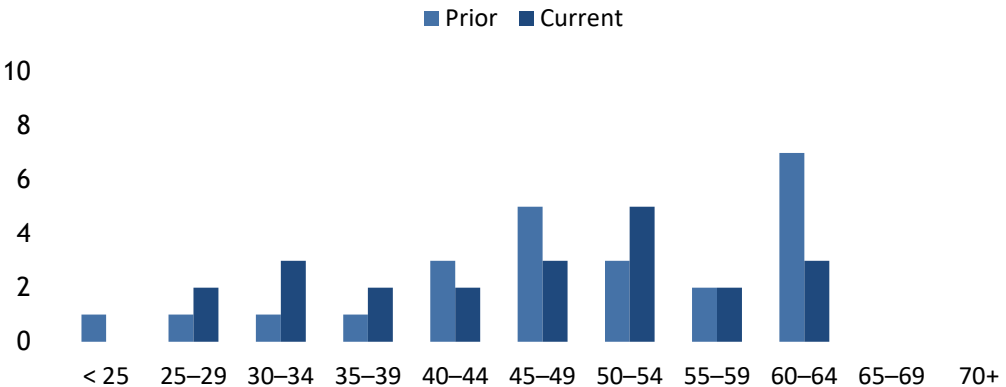
Age and service determined as of the census date.

## Average Active

## Participant Age

Prior: 49.2  
 Current: 46.4  
 Change: (2.8)  
 % Change: -5.7%

## Count of Actives by Age Bracket

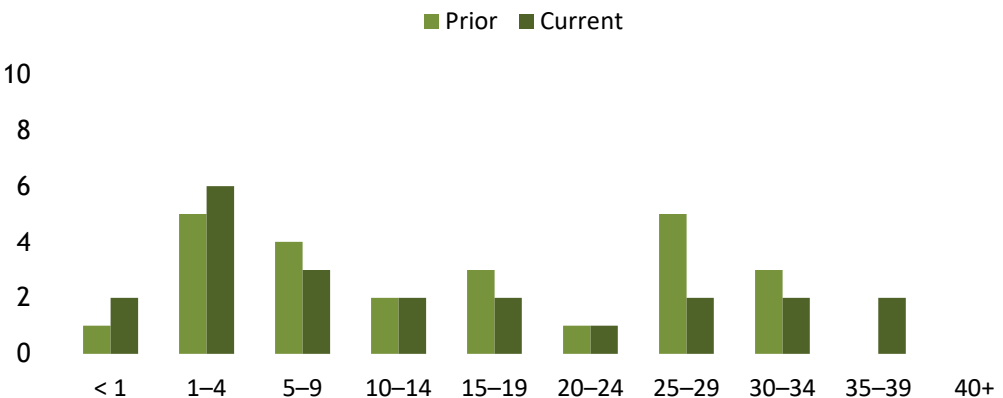


## Average Years of

## Service

Prior: 11.4  
 Current: 14.4  
 Change: 3.0  
 % Change: 26.3%

## Count of Actives by Years of Service

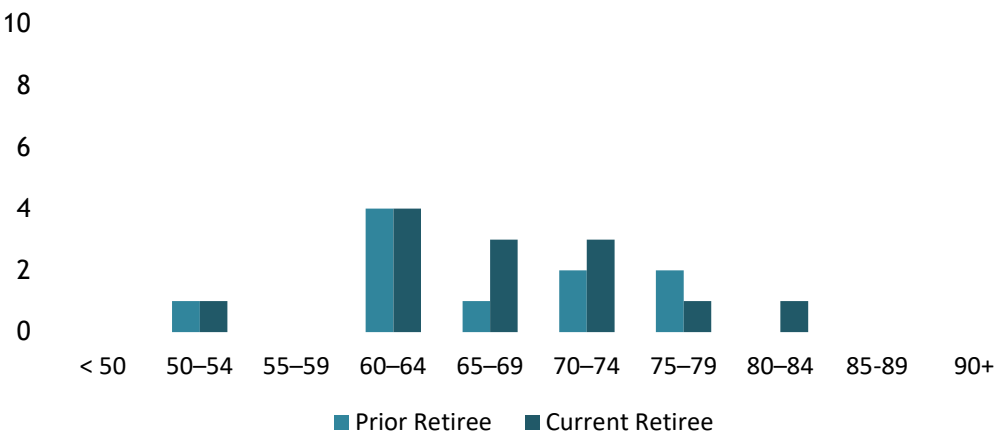


## Average Inactive

## Participant Age

Prior: 62.6  
 Current: 68.8  
 Change: 6.2  
 % Change: 9.9%

## Count of Inactives by Age Bracket



## Actuarial Assumptions

A summary of the actuarial assumptions used for this valuation follows. We considered the reasonableness of each assumption independently based on its own merits, consistent with each other assumption, and the combined impact of all assumptions.

Assumption	Rates
Actuarial Cost Method	Entry-Age Normal, Level Percentage of Salary
Valuation Date	June 30, 2020
Measurement Date	June 30, 2020
Report Date	June 30, 2020
Discount Rate	The discount rate selected is 2.45%. The discount rate is the 20-year tax-exempt municipal bond yield for the valuation.
Mortality	Same as CalPERS. See appendix.
Termination Rates	Same as CalPERS. See appendix. Also known as "turnover".
Disability	Same as CalPERS. See appendix.
Retirement	Same as CalPERS. See appendix.
Annual Per Capita Claims	Not applicable.
Average Per Capita Cost for Implicit Subsidy Calculation	Not applicable.

## Actuarial Assumptions

Assumption	Rates						
Aging or Morbidity Factors	Based on actual CalPERS HMO and PPO population data.						
Participant Contributions	Based on service at retirement and employee group.						
Salary Increases	2.750% The salary increase is used to determine the growth in the aggregate payroll.  Individual Salary Increases: 2018 CalPERS Merit Salary Increases.						
Inflation Rate	0.75%						
Marital Status	Current Retirees: Actual spouse coverage is used.  Future retirees: 70% assumed to be married.						
Spouse Gender	Assumes spouse of opposite gender for current and future retirees.						
Spouse Age Difference	Assumes males are three years older than females for future						
Participation	Current Retirees: Assume current elections continue until Future Retiree election assumptions summarized below: <table border="1"> <tr> <th>Hire Dates</th><th>Service Retirement</th></tr> <tr> <td>Pre-2013, 15+ Years of Service</td><td>90%</td></tr> <tr> <td>All Others</td><td>75%</td></tr> </table> <p>*Assumed all covered spouses elect survivor spouse benefits.</p>	Hire Dates	Service Retirement	Pre-2013, 15+ Years of Service	90%	All Others	75%
Hire Dates	Service Retirement						
Pre-2013, 15+ Years of Service	90%						
All Others	75%						
PEMHCA Administrative Fee	Not Applicable						
Annual PEMHCA Amount	Not Applicable						

## Actuarial Assumptions

Assumption	Rates		
Premiums	A single retiree premium was developed based on current enrollment patterns.		
	Grouping	Employee	Two-Party
	Pre-Medicare Plans	\$ 13,584	\$ 27,168
	Medicare Plans	\$ 4,374	8,748
Trend Rates	Medical long-term trends from Society of Actuaries "Long Term Healthcare Cost Trends Model v2020_b" using baseline assumptions. Applied to both claims and premiums.		
	Calendar Year	Pre-Medicare Trend	Medicare Trend
	2021	7.00%	4.00%
	2022	6.50%	4.00%
	2023	6.00%	4.00%
	2024	5.50%	4.00%
	2025	5.20%	4.00%
	2026	5.20%	4.00%
	2027	5.20%	4.00%
	2028	5.19%	4.00%
	2029-2074	...	...
	2075+	3.84%	4.00%

---

**About GASB 75**

---

This section includes a brief summary of GASB 75, as well as definitions of some of the key terminology used in this report.

**About GASB 75**

*In General.* In June 2015 the Governmental Accounting Standards Board released GASB 75, “Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions”. GASB 75 replaced GASB 45 for fiscal years beginning after June 15, 2017, for employers that sponsor OPEB plans. The provisions in GASB 75 are similar to the provisions of GASB 68 for pensions.

*Accounting.* GASB 75 requires a liability known as the Net OPEB Liability (NOL). The employer recognizes the NOL on its balance sheet. The employer also recognizes an OPEB expense in the income statement. GASB 45 recorded the Unfunded Accrued Actuarial Liability (UAAL) in the notes to the financial statement, whereas GASB 75 records the NOL, which is very similar to the UAAL with just a few technical differences, on the balance sheet.

*Financial Statement Impact (Employers).* One of the biggest changes to the financial statements of governmental employers that provide OPEB is the reporting of the OPEB liability on the face of the statements rather than in the footnotes. Governments that do not provide OPEB through a trust are required to recognize the entire OPEB liability in the financial statements. For governments that provide OPEB through an OPEB plan that is administered through a trust, the government’s OPEB liability is recognized net of the amount of the OPEB plan’s fiduciary net position.

*Changes to the Measurement of the Total OPEB Liability.* Measurement of the OPEB liability includes discounting future benefit payments for current and former employees and their beneficiaries to their present value and allocating the present value over past and future periods of the employee service (total OPEB liability), less the amount of the OPEB plan’s fiduciary net position. The calculation continues to include employee-related events, such as projected salary increases and projected years of service, if they affect the amount of OPEB payments employees will receive, as well as provisions for automatic cost-of-living adjustments (COLAs) and other automatic benefits. Additionally, ad hoc COLAs and other ad hoc benefit changes, which are made at the discretion of the government, are included in projections as well, if they routinely recur.

GASB 75 requires governments to discount projected OPEB payments to their present value. Under the new standard, governments discount the projected OPEB payments to be made in each year and the amount of plan assets (if a government administers the OPEB through a trust) available for providing those benefits to current active and inactive employees and their beneficiaries. Similar to the pension standards, the discount rate used is based on whether the plan assets are projected to be sufficient to make future payments. If the plan assets are sufficient, governments discount future payments using the long-term expected rate of return. If projected plan assets are insufficient to make all future payments to current and inactive employees and their beneficiaries, or if there are no plan assets held in trust, the discount rate is based on a high-quality 20-year tax-exempt general obligation municipal bond yield or index rate. “High-quality” is defined as being rated AA or higher (or an equivalent rating).

*Cost Method.* The Entry Age Normal Cost method must be used.



**About GASB 75**

---

**About GASB 75 (continued)**

Factors that affect a government's OPEB liability, such as actual earnings on plan investments when the OPEB plan is administered as a trust, employee compensation changes, interest on the outstanding OPEB liability, contributions from employees and employers, and actual demographic and economic changes that are not in line with assumptions made in the actuarial calculations, are considered when determining the government's OPEB expense. A government's annual OPEB expense is calculated with consideration for factors affecting the OPEB liability within the reporting period. Several causes of changes in OPEB liability are immediately factored into the calculation of OPEB expense for the period, such as benefits earned each year, interest on the total OPEB liability, changes in benefit terms, and projected earnings on plan investments, if administered through a trust.

Governments are required to recognize deferred outflows of resources or deferred inflows of resources and then introduce into the expense calculation, systematically and rationally over the average remaining years of employment (active employees and inactive employees, including retirees), the effect on the total OPEB liability of differences between assumptions and actual experience.

**Key Terminology**

<b>Actuarially Determined Contribution</b>	A target or recommended contribution to a defined benefit OPEB plan for the reporting period, determined in conformity with Actuarial Standards of Practice based on the most recent measurement available when the contribution for the reporting period was adopted.
<b>Actuarial Present Value of Projected Benefit Payments</b>	Projected benefit payments discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment.
<b>Agent Employer</b>	An employer whose employees are provided with OPEB through an agent multiple-employer defined-benefit OPEB plan.
<b>Closed Period</b>	A specific number of years that is counted from one date, which declines to zero with the passage of time. For example, if the recognition period initially is five years on a closed basis, four years remain after the first year, three years after the second year, and so forth until no years remain.
<b>Contributions</b>	Additions to an OPEB plan's fiduciary net position for amounts from employers, non-employer contributing entities, or employees.
<b>Dates and Periods</b>	
• <b>Census Date</b>	The date of the census. It is usually the same as the <b>Valuation Date</b> .
• <b>Measurement Date</b>	The date on which assets are measured. The liabilities are rolled forward to this date from the <b>Valuation Date</b> , should it differ, using actuarial roll-forward techniques.
• <b>Measurement Period</b>	The year ending on the <b>Measurement Date</b> .
• <b>Report Date</b>	The date on which the amounts are reported in the financial statements. It is the same as the fiscal year-end. It may be up to one year ahead of the <b>Measurement Date</b> , with no roll-forward of liabilities or assets required.
• <b>Reporting Period</b>	The year ending on the <b>Report Date</b> . It is the same as the fiscal year.
• <b>Valuation Date</b>	The date on which the liabilities are valued.
<b>Deferred Inflows and Outflows of Resources</b>	The portion of the changes in the <b>Net OPEB Liability</b> that are not recognized in the current pension expense and are recognized in later periods. The changes deferred include differences between expected and actual experience, changes in assumptions, and differences between expected and actual earnings on OPEB plan investments.

## About GASB 75

---

### Key Terminology (continued)

<b>Defined-Benefit OPEB</b>	OPEB for which the benefits that the employee will receive at or after separation from employment are defined by the benefit terms. The OPEB may be stated as (a) a specified dollar amount (b) an amount that is calculated based on one or more factors such as age, years of service, and compensation, or (c) a type or level of coverage such as prescription drug coverage or a percentage of health insurance premiums. OPEB that does not have all of the terms of defined contribution OPEB is classified as defined-benefit OPEB.
<b>Discount Rate</b>	A yield or index rate for 20-year, tax-exempt general-obligation municipal bonds with an average rating of AA/Aa or higher (or equivalent quality on another scale), to the extent that the conditions in (a) are not met.
<b>Fiduciary Net Position</b>	The market value of assets as of the <b>Measurement Date</b> .
<b>Implicit Subsidy</b>	The implicit subsidy arises when an employer allows a retiree and the retiree's dependents to continue on the plans for active employees, and pay the active-employee premiums. Retirees are not paying the true cost of their benefits because they have higher costs than active employees, and therefore are partially subsidized by the active employees. Once a retiree reaches Medicare eligibility, the rates are set for Medicare retirees separately, and are set to be sufficient to cover the true costs of the Medicare retirees. Thus, there is no implicit subsidy for Medicare retirees.
<b>Net OPEB Liability</b>	The <b>Total OPEB Liability</b> minus the <b>Fiduciary Net Position</b> .
<b>Normal Cost</b>	See <b>Service Cost</b> .
<b>Other Postemployment Benefits (OPEB)</b>	Benefits (such as death benefits, life insurance, disability, and long-term care) that are paid in the period after employment and that are provided separately from a pension plan, as well as healthcare benefits paid in the period after employment, regardless of the manner in which they are provided. OPEB does not include termination benefits or termination payment for sick leave.
<b>Projected Benefit Payments</b>	All benefits estimated to be payable through OPEB plan to current active and inactive employees as a result of their past service and their expected future
<b>Service Cost</b>	The portions of the actuarial present value of projected benefit payments that are attributed to valuation years. Also called <b>Normal Cost</b> .
<b>Substantive Plan</b>	The plan terms as understood by the employer and the plan members at the time of the valuation, including only changes to plan terms that have been made and communicated to employees.
<b>Total OPEB Liability</b>	The liability of employers and non-employer contributing entities to employees for benefits provided through a defined-benefit OPEB plan that is administered through a trust that meets the criteria in paragraph 4 of GASB 75.

## Decrement Tables

---

The valuation used the following decrement tables from the CalPERS OPEB Assumption Model, revised May 14, 2018:

<b>Mortality</b>	<b><u>Source Table</u></b>
Miscellaneous Employees	Mort and Disb Rates_PA Misc
<b>Disability Rates</b>	
Miscellaneous Employees	Mort and Disb Rates_PA Misc
<b>Terminated Refund Rates</b>	
Miscellaneous Employees	Terminated Refund Rates_Misc
<b>Terminated Vested Rates</b>	
Miscellaneous Employees	Terminated Vested Rates_PA Misc
<b>Salary Scale Rates</b>	
Miscellaneous Employees	Salary Scale Rates_PA Misc
<b>Service Retirement Rates</b>	
Miscellaneous Employees	
• 2.0% at 55	Rx PA Misc 2% @ 55
• 2.0% at 62	Rx PA Misc 2% @ 62

## Sample Mortality and Disability Rates

Attained Age	Public Agency Miscellaneous													
	Pre-Retirement Mortality				Post-Retirement Mortality						Disability			
	Male Assumptions		Female Assumptions		Male Assumptions			Female Assumptions			Male Assumptions		Female Assumptions	
	Non Industrial Death	Industrial Death	Non Industrial Death	Industrial Death	Healthy Recipients	Non Industrially Disabled	Industrially Disabled	Healthy Recipients	Non Industrially Disabled	Industrially Disabled	Non Industrial Disability	Industrial Disability	Non Industrial Disability	Industrial Disability
1	0.00000	0.00000	0.00000	0.00000	0.00016	0.00016	0.00003	0.00003	0.00003	0.00003	0.00000	0.00000	0.00000	0.00000
5	0.00000	0.00000	0.00000	0.00000	0.00016	0.00016	0.00003	0.00003	0.00003	0.00003	0.00000	0.00000	0.00000	0.00000
10	0.00000	0.00000	0.00000	0.00000	0.00016	0.00016	0.00003	0.00003	0.00003	0.00003	0.00000	0.00000	0.00000	0.00000
15	0.00016	0.00000	0.00003	0.00000	0.00016	0.00016	0.00003	0.00003	0.00003	0.00003	0.00017	0.00000	0.00010	0.00000
20	0.00022	0.00000	0.00007	0.00000	0.00022	0.00022	0.00004	0.00007	0.00007	0.00004	0.00017	0.00000	0.00010	0.00000
25	0.00029	0.00000	0.00011	0.00000	0.00029	0.00029	0.00006	0.00011	0.00011	0.00006	0.00017	0.00000	0.00010	0.00000
30	0.00038	0.00000	0.00016	0.00000	0.00038	0.00038	0.00007	0.00016	0.00016	0.00007	0.00019	0.00000	0.00024	0.00000
35	0.00049	0.00000	0.00027	0.00000	0.00049	0.00049	0.00009	0.00027	0.00027	0.00009	0.00039	0.00000	0.00071	0.00000
40	0.00064	0.00000	0.00037	0.00000	0.00064	0.00064	0.00010	0.00037	0.00037	0.00010	0.00102	0.00000	0.00135	0.00000
45	0.00080	0.00000	0.00054	0.00000	0.00080	0.00080	0.00012	0.00054	0.00054	0.00012	0.00151	0.00000	0.00188	0.00000
50	0.00116	0.00000	0.00079	0.00000	0.00372	0.01183	0.00372	0.00346	0.01083	0.00346	0.00158	0.00000	0.00199	0.00000
55	0.00172	0.00000	0.00120	0.00000	0.00437	0.01613	0.00437	0.00410	0.01178	0.00410	0.00158	0.00000	0.00149	0.00000
60	0.00255	0.00000	0.00166	0.00000	0.00671	0.02166	0.00671	0.00476	0.01404	0.00476	0.00153	0.00000	0.00105	0.00000
65	0.00363	0.00000	0.00233	0.00000	0.00928	0.02733	0.01113	0.00637	0.01757	0.00765	0.00128	0.00000	0.00088	0.00000
70	0.00623	0.00000	0.00388	0.00000	0.01339	0.03358	0.01607	0.00926	0.02184	0.01112	0.00102	0.00000	0.00084	0.00000
75	0.01057	0.00000	0.00623	0.00000	0.02316	0.04277	0.02779	0.01635	0.02969	0.01962	0.00102	0.00000	0.00088	0.00000
80	0.01659	0.00000	0.00939	0.00000	0.03977	0.06272	0.04773	0.03007	0.04641	0.03609	0.00102	0.00000	0.00088	0.00000
85	0.00000	0.00000	0.00000	0.00000	0.07122	0.09793	0.08547	0.05418	0.07847	0.06501	0.00000	0.00000	0.00000	0.00000
90	0.00000	0.00000	0.00000	0.00000	0.13044	0.14616	0.14348	0.10089	0.13220	0.11098	0.00000	0.00000	0.00000	0.00000
95	0.00000	0.00000	0.00000	0.00000	0.21658	0.21658	0.21658	0.17698	0.21015	0.17698	0.00000	0.00000	0.00000	0.00000
100	0.00000	0.00000	0.00000	0.00000	0.32222	0.32222	0.32222	0.28151	0.32226	0.28151	0.00000	0.00000	0.00000	0.00000
105	0.00000	0.00000	0.00000	0.00000	0.46691	0.46691	0.46691	0.43491	0.43491	0.43491	0.00000	0.00000	0.00000	0.00000
110	0.00000	0.00000	0.00000	0.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000
115	0.00000	0.00000	0.00000	0.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000
120	0.00000	0.00000	0.00000	0.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	0.00000	0.00000	0.00000	0.00000

**Notes:**

- 1) Pre-Retirement and Post-Retirement mortality rates include 20 years of projected on-going mortality improvement using Scale BB published by the Society of Actuaries.
- 2) Miscellaneous Plans usually have Industrial Death rates set to zero unless the agency has specifically contracted for Industrial Death benefits. If so, each Non-Industrial Death rate shown above will be split into two components: 99% will become the Non-Industrial Death rate and 1% will become the Industrial Death rate.
- 3) The Miscellaneous Non-Industrial Disability rates are used for Local Prosecutors.
- 4) Normally, Industrial Disability rates are zero for miscellaneous plans unless the agency has specifically contracted for Industrial Disability benefits. If so, each miscellaneous non-industrial disability rate will be split into two components: 50% will become the Non-Industrial Disability rate and 50% will become the Industrial Disability rate.

## Sample Termination Rates

		Sample Terminated Refund Rates								
Entry Ages		Public Agency Miscellaneous								
Service	15	20	25	30	35	40	45	50	55	59
0	0.18120	0.17420	0.16740	0.16060	0.15370	0.14680	0.14000	0.13320	0.12620	0.12080
5	0.02320	0.02120	0.01930	0.01740	0.01550	0.01360	0.01160	0.00970	0.00780	0.00620
10	0.01550	0.01380	0.01210	0.01040	0.00880	0.00710	0.00550	0.00380	0.00210	0.00080
15	0.00700	0.00600	0.00510	0.00420	0.00320	0.00230	0.00140	0.00040	0.00020	0.00020
20	0.00450	0.00370	0.00290	0.00210	0.00130	0.00050	0.00010	0.00010	0.00010	0.00010
25	0.00240	0.00170	0.00110	0.00050	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010
30	0.00110	0.00050	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00000	0.00000
35	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00000	0.00000	0.00000
40	0.00010	0.00010	0.00010	0.00010	0.00010	0.00010	0.00000	0.00000	0.00000	0.00000
45	0.00010	0.00010	0.00010	0.00010	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000
50	0.00010	0.00010	0.00010	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

		Sample Terminated Vested Rates								
Entry Ages		Public Agency Miscellaneous								
Service	15	20	25	30	35	40	45	50	55	59
0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.07140	0.06560	0.05970	0.05370	0.04770	0.04180	0.00000	0.00000	0.00000	0.00000
10	0.05940	0.05300	0.04660	0.04030	0.03390	0.00000	0.00000	0.00000	0.00000	0.00000
15	0.05110	0.04430	0.03730	0.03050	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
20	0.04050	0.03330	0.02610	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
25	0.02880	0.02120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30	0.01500	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
35	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
40	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
45	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
50	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

When a member is eligible to retire, the termination with vested benefits probability is set to zero

## Sample Salary Scale Rates

Service	Entry Ages										Public Agency Miscellaneous			
	15	20	25	30	35	40	45	50	55	60	65	70	75	79
0	0.1220	0.1220	0.1220	0.1160	0.1090	0.1020	0.0950	0.0950	0.0950	0.0950	0.0950	0.0950	0.0950	0.0950
5	0.0640	0.0640	0.0640	0.0600	0.0550	0.0520	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480
10	0.0460	0.0460	0.0460	0.0430	0.0410	0.0390	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370
15	0.0420	0.0420	0.0420	0.0400	0.0380	0.0360	0.0340	0.0340	0.0340	0.0340	0.0340	0.0340	0.0340	0.0340
20	0.0390	0.0390	0.0390	0.0380	0.0360	0.0340	0.0330	0.0330	0.0330	0.0330	0.0330	0.0330	0.0330	0.0330
25	0.0370	0.0370	0.0370	0.0360	0.0340	0.0330	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310
30	0.0350	0.0350	0.0350	0.0340	0.0330	0.0320	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
35	0.0350	0.0350	0.0350	0.0340	0.0330	0.0320	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
40	0.0350	0.0350	0.0350	0.0340	0.0330	0.0320	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
45	0.0350	0.0350	0.0350	0.0340	0.0330	0.0320	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
50	0.0350	0.0350	0.0350	0.0340	0.0330	0.0320	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300

### Matrix of Sample Service Retirement Assumption Rates

Service	Attained Ages				Public Agency Miscellaneous 2.5% @ 55		
	50	55	60	65	70	75	79
0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.00800	0.02000	0.04400	0.12000	0.12000	1.00000	1.00000
10	0.01400	0.03800	0.07200	0.15600	0.15600	1.00000	1.00000
15	0.02000	0.05500	0.10100	0.19300	0.19300	1.00000	1.00000
20	0.02600	0.07300	0.13000	0.22900	0.22900	1.00000	1.00000
25	0.03300	0.12200	0.15800	0.26500	0.26500	1.00000	1.00000
30	0.05000	0.19200	0.19700	0.33300	0.33300	1.00000	1.00000
35	0.06000	0.30400	0.26100	0.38700	0.38700	1.00000	1.00000
40	0.00000	0.36000	0.29100	0.40000	0.40000	1.00000	1.00000
45	0.00000	0.00000	0.29100	0.40000	0.40000	1.00000	1.00000
50	0.00000	0.00000	0.00000	0.40000	0.40000	1.00000	1.00000

Service	Attained Ages				Public Agency Miscellaneous 2% @ 62		
	50	55	60	65	70	75	79
0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.00000	0.01000	0.03100	0.10800	0.12000	1.00000	1.00000
10	0.00000	0.01900	0.05100	0.14100	0.15600	1.00000	1.00000
15	0.00000	0.02800	0.07100	0.17300	0.19300	1.00000	1.00000
20	0.00000	0.03600	0.09100	0.20600	0.22900	1.00000	1.00000
25	0.00000	0.06100	0.11100	0.23900	0.26500	1.00000	1.00000
30	0.00000	0.09600	0.13800	0.30000	0.33300	1.00000	1.00000
35	0.00000	0.15200	0.18300	0.34800	0.38700	1.00000	1.00000
40	0.00000	0.18000	0.20400	0.36000	0.40000	1.00000	1.00000
45	0.00000	0.00000	0.20400	0.36000	0.40000	1.00000	1.00000
50	0.00000	0.00000	0.00000	1.00000	1.00000	1.00000	1.00000



**ITEM:      CONSENT CALENDAR****10.      CONSIDER ADOPTION OF TREASURER'S REPORT FOR NOVEMBER 2020**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
----------------------	--------------------------	------------------	------------

<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
--------------	---	------------------------------------	------------

<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>
---------------------	----------------------	-----------------------	------------

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on February 10, 2021 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** Exhibit 10-A comprises the Treasurer's Report for November 2020. Exhibit 10-B and Exhibit 10-C are listings of check disbursements for the period November 1-30, 2020. Check Nos. 38054 through 38126, the direct deposits of employee's paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of \$1,075,364.63. This amount does not include any conservation rebates paid out during the current period. Exhibit 10-D reflects the unaudited version of the financial statements for the month ending November 30, 2020.

**RECOMMENDATION:** The Administrative Committee recommends that the Board adopt the November 2020 Treasurer's Report and financial statements, and ratification of the disbursements made during the month.

**EXHIBITS****10-A** Treasurer's Report**10-B** Listing of Cash Disbursements-Regular**10-C** Listing of Cash Disbursements-Payroll**10-D** Financial Statements



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
TREASURER'S REPORT FOR NOVEMBER 2020**

<u>Description</u>	<u>Checking</u>	<u>MPWMD Money Market</u>	<u>L.A.I.F.</u>	<u>Multi-Bank Securities</u>	<u>MPWMD Total</u>	<u>PB Reclamation Money Market</u>
<b>Beginning Balance</b>	<b>\$101,475.30</b>	<b>\$431,517.02</b>	<b>\$10,589,906.05</b>	<b>\$2,856,783.89</b>	<b>\$13,979,682.26</b>	<b>\$13,540.30</b>
Fee Deposits		1,095,517.23			1,095,517.23	960,089.63
MoCo Tax & WS Chg Installment Pymt					0.00	
Interest Received				6,200.66	6,200.66	
Transfer - Checking/LAIF					0.00	
Transfer - Money Market/LAIF					0.00	
Transfer - Money Market/Checking	990,510.02	(990,510.02)			0.00	
Transfer - Money Market/Multi-Bank					0.00	
Transfer to CAWD					0.00	(963,000.00)
Voided Checks					0.00	
Bank Corrections/Reversals/Errors					0.00	
Bank Charges/Other	(575.93)				(575.93)	
Credit Card Fees	(1,723.15)				(1,723.15)	
Returned Deposits	-				0.00	
Payroll Tax/Benefit Deposits	(109,871.34)				(109,871.34)	
Payroll Checks/Direct Deposits	(124,464.42)				(124,464.42)	
General Checks	(838,729.79)				(838,729.79)	
Bank Draft Payments	-				0.00	
<b>Ending Balance</b>	<b>\$16,620.69</b>	<b>\$536,524.23</b>	<b>\$10,589,906.05</b>	<b>\$2,862,984.55</b>	<b>\$14,006,035.52</b>	<b>\$10,629.93</b>



## Check Report

By Check Number

Date Range: 11/01/2020 - 11/30/2020



Monterey Peninsula Water Management Dist

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK	-Bank of America Checking					
Payment Type: Regular						
00249	A.G. Davi, LTD	11/06/2020	Regular	0.00	395.00	38055
00767	AFLAC	11/06/2020	Regular	0.00	907.16	38056
00253	AT&T	11/06/2020	Regular	0.00	811.28	38057
19448	Monroe Stone Insurance Solutions, Inc.	11/06/2020	Regular	0.00	32.14	38058
18734	DeVeera Inc.	11/06/2020	Regular	0.00	6,947.00	38059
00277	Home Depot Credit Services	11/06/2020	Regular	0.00	420.60	38060
19897	John K. Cohan dba Telemetrix	11/06/2020	Regular	0.00	540.00	38061
05830	Larry Hampson	11/06/2020	Regular	0.00	651.20	38062
00222	M.J. Murphy	11/06/2020	Regular	0.00	55.64	38063
00223	Martins Irrigation Supply	11/06/2020	Regular	0.00	393.15	38064
00242	MBAS	11/06/2020	Regular	0.00	1,150.00	38065
13396	Navia Benefit Solutions, Inc.	11/06/2020	Regular	0.00	747.91	38066
00262	Pure H2O	11/06/2020	Regular	0.00	65.54	38067
00987	SDRMA - Prop & Liability Pkg	11/06/2020	Regular	0.00	5,198.45	38068
04709	Sherron Forsgren	11/06/2020	Regular	0.00	869.02	38069
19098	Specialty Construction, Inc.	11/06/2020	Regular	0.00	532,652.44	38070
09989	Star Sanitation Services	11/06/2020	Regular	0.00	90.71	38071
17965	The Maynard Group	11/06/2020	Regular	0.00	1,522.23	38072
00203	ThyssenKrup Elevator	11/06/2020	Regular	0.00	664.82	38073
00271	UPEC, Local 792	11/06/2020	Regular	0.00	902.50	38074
01197	USGS	11/06/2020	Regular	0.00	15,800.00	38075
00010	Access Monterey Peninsula	11/20/2020	Regular	0.00	875.00	38079
00763	ACWA-JPIA	11/20/2020	Regular	0.00	315.26	38080
01015	American Lock & Key	11/20/2020	Regular	0.00	65.55	38081
00760	Andy Bell	11/20/2020	Regular	0.00	711.00	38082
01347	ARC Document Solutions, LLC	11/20/2020	Regular	0.00	59.00	38083
00263	Arlene Tavani	11/20/2020	Regular	0.00	98.39	38084
00252	Cal-Am Water	11/20/2020	Regular	0.00	167.39	38085
12601	Carmel Valley Ace Hardware	11/20/2020	Regular	0.00	29.04	38086
06268	Comcast	11/20/2020	Regular	0.00	196.37	38087
04362	Costco Membership	11/20/2020	Regular	0.00	120.00	38088
19765	Daniel Larson	11/20/2020	Regular	0.00	178.25	38089
19448	Monroe Stone Insurance Solutions, Inc.	11/20/2020	Regular	0.00	31.66	38090
00192	Extra Space Storage	11/20/2020	Regular	0.00	885.00	38091
00083	Hayashi & Wayland Accountancy Corp.	11/20/2020	Regular	0.00	10,000.00	38092
00986	Henrietta Stern	11/20/2020	Regular	0.00	1,293.21	38093
00277	Home Depot Credit Services	11/20/2020	Regular	0.00	27.25	38094
03857	Joe Oliver	11/20/2020	Regular	0.00	1,293.21	38095
00094	John Arriaga	11/20/2020	Regular	0.00	2,500.00	38096
19764	Katrina Herrmann	11/20/2020	Regular	0.00	394.46	38097
00259	Marina Coast Water District	11/20/2020	Regular	0.00	811.31	38098
00259	Marina Coast Water District	11/20/2020	Regular	0.00	811.31	38099
19899	Marina Hernandez	11/20/2020	Regular	0.00	70.15	38100
05829	Mark Bekker	11/20/2020	Regular	0.00	1,094.00	38101
00223	Martins Irrigation Supply	11/20/2020	Regular	0.00	43.25	38102
00242	MBAS	11/20/2020	Regular	0.00	2,070.00	38103
20082	Moe Ammar	11/20/2020	Regular	0.00	83.37	38104
00118	Monterey Bay Carpet & Janitorial Svc	11/20/2020	Regular	0.00	1,260.00	38105
00274	Monterey One Water	11/20/2020	Regular	0.00	215,888.92	38106
00278	Monterey Tire Service	11/20/2020	Regular	0.00	24.73	38107
13396	Navia Benefit Solutions, Inc.	11/20/2020	Regular	0.00	647.91	38108
00036	Parham Living Trust	11/20/2020	Regular	0.00	850.00	38109
00755	Peninsula Welding Supply, Inc.	11/20/2020	Regular	0.00	64.50	38110

**EXHIBIT 10-B**

108

**Check Report****Date Range: 11/01/2020 - 11/30/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
00282	PG&E	11/20/2020	Regular	0.00	18.08	38111
00282	PG&E	11/20/2020	Regular	0.00	62.62	38112
00282	PG&E	11/20/2020	Regular	0.00	4,013.04	38113
00282	PG&E	11/20/2020	Regular	0.00	10.40	38114
13430	Premiere Global Services	11/20/2020	Regular	0.00	383.29	38115
13394	Regional Government Services	11/20/2020	Regular	0.00	3,390.20	38116
02838	Solinst Canada Ltd	11/20/2020	Regular	0.00	91.31	38117
02838	Solinst Canada Ltd	11/20/2020	Regular	0.00	-91.31	38117
04341	State Board of Equalization	11/20/2020	Regular	0.00	2,160.00	38118
04341	State Board of Equalization	11/20/2020	Regular	0.00	1,970.40	38119
16717	State Water Resources Control Board	11/20/2020	Regular	0.00	2,625.00	38120
04719	Telit Io T Platforms, LLC	11/20/2020	Regular	0.00	272.09	38121
09425	The Ferguson Group LLC	11/20/2020	Regular	0.00	8,075.71	38122
04353	Thomas Christensen	11/20/2020	Regular	0.00	58.39	38123
00225	Trowbridge Enterprises Inc.	11/20/2020	Regular	0.00	431.25	38124
18163	Wex Bank	11/20/2020	Regular	0.00	943.04	38125
08105	Yolanda Munoz	11/20/2020	Regular	0.00	540.00	38126
<b>Total Regular:</b>				<b>0.00</b>	<b>838,729.79</b>	

**EXHIBIT 10-B**

109

**Check Report****Date Range: 11/01/2020 - 11/30/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Payment Type: Bank Draft</b>						
00266	I.R.S.	11/06/2020	Bank Draft	0.00	11,834.37	DFT0001764
00266	I.R.S.	11/06/2020	Bank Draft	0.00	2,663.82	DFT0001765
00267	Employment Development Dept.	11/06/2020	Bank Draft	0.00	4,645.07	DFT0001766
00266	I.R.S.	11/06/2020	Bank Draft	0.00	682.00	DFT0001767
00267	Employment Development Dept.	11/06/2020	Bank Draft	0.00	204.50	DFT0001768
00266	I.R.S.	11/06/2020	Bank Draft	0.00	123.11	DFT0001770
00266	I.R.S.	11/06/2020	Bank Draft	0.00	117.48	DFT0001771
00267	Employment Development Dept.	11/06/2020	Bank Draft	0.00	6.07	DFT0001772
00266	I.R.S.	11/06/2020	Bank Draft	0.00	502.20	DFT0001773
00256	PERS Retirement	11/03/2020	Bank Draft	0.00	15,814.99	DFT0001774
00266	I.R.S.	11/20/2020	Bank Draft	0.00	12,210.51	DFT0001776
00266	I.R.S.	11/20/2020	Bank Draft	0.00	2,550.98	DFT0001777
00267	Employment Development Dept.	11/20/2020	Bank Draft	0.00	4,988.23	DFT0001778
00266	I.R.S.	11/20/2020	Bank Draft	0.00	408.02	DFT0001779
00256	PERS Retirement	11/06/2020	Bank Draft	0.00	15,549.29	DFT0001780
00768	ICMA	11/09/2020	Bank Draft	0.00	6,826.61	DFT0001815
00768	ICMA	11/23/2020	Bank Draft	0.00	2,650.09	DFT0001816
00769	Laborers Trust Fund of Northern CA	11/11/2020	Bank Draft	0.00	28,094.00	DFT0001822
<b>Total Bank Draft:</b>				<b>0.00</b>	<b>109,871.34</b>	

Payment Type	Bank Code APBNK	Summary		
	Payable Count	Payment Count	Discount	Payment
Regular Checks	78	69	0.00	838,821.10
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	-91.31
Bank Drafts	29	18	0.00	109,871.34
EFT's	0	0	0.00	0.00
	<b>107</b>	<b>88</b>	<b>0.00</b>	<b>948,601.13</b>

**All Bank Codes Check Summary**

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	78	69	0.00	838,821.10
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	-91.31
Bank Drafts	29	18	0.00	109,871.34
EFT's	0	0	0.00	0.00
	<b>107</b>	<b>88</b>	<b>0.00</b>	<b>948,601.13</b>

**Fund Summary**

Fund	Name	Period	Amount
99	POOL CASH FUND	11/2020	948,601.13
			<b>948,601.13</b>





Monterey Peninsula Water Management Dist

## Payroll Bank Transaction Report

By Payment Number

Date: 11/1/2020 - 11/30/2020

Payroll Set: 01 - Monterey Peninsula Water Management District

Payment Number	Payment Date	Payment Type	Employee Number	Employee Name	Check Amount	Direct Deposit Amount	Total Payment
5430	11/06/2020	Regular	1024	Stoldt, David J	0.00	5,913.54	5,913.54
5431	11/06/2020	Regular	1025	Tavani, Arlene M	0.00	2,227.84	2,227.84
5432	11/06/2020	Regular	1044	Bennett, Corryn D	0.00	2,031.05	2,031.05
5433	11/06/2020	Regular	1018	Prasad, Suresh	0.00	4,001.69	4,001.69
5434	11/06/2020	Regular	1019	Reyes, Sara C	0.00	1,891.34	1,891.34
5435	11/06/2020	Regular	6063	Hampson, Larry M	0.00	2,073.37	2,073.37
5436	11/06/2020	Regular	1009	James, Gregory W	0.00	3,266.42	3,266.42
5437	11/06/2020	Regular	1011	Lear, Jonathan P	0.00	4,230.73	4,230.73
5438	11/06/2020	Regular	1012	Lindberg, Thomas L	0.00	2,677.93	2,677.93
5439	11/06/2020	Regular	1045	Atkins, Daniel N	0.00	1,965.50	1,965.50
5440	11/06/2020	Regular	1004	Chaney, Beverly M	0.00	2,702.75	2,702.75
5441	11/06/2020	Regular	1005	Christensen, Thomas T	0.00	3,685.19	3,685.19
5442	11/06/2020	Regular	6071	Foster, Ivie M	0.00	204.32	204.32
5443	11/06/2020	Regular	1007	Hamilton, Cory R	0.00	2,373.13	2,373.13
5444	11/06/2020	Regular	6072	Hernandez, Marina	0.00	347.36	347.36
5445	11/06/2020	Regular	6069	Herrmann, Katrina F	0.00	810.13	810.13
5446	11/06/2020	Regular	6074	Kruse, Emerentia B	0.00	408.64	408.64
5447	11/06/2020	Regular	6070	Larson, Daniel K	0.00	388.22	388.22
5448	11/06/2020	Regular	1048	Lumas, Eric M	0.00	1,811.39	1,811.39
5449	11/06/2020	Regular	6073	Stewart, Jonathan D	0.00	408.64	408.64
5450	11/06/2020	Regular	1001	Bravo, Gabriela D	0.00	2,620.75	2,620.75
5451	11/06/2020	Regular	1076	Jakic, Tricia	0.00	2,583.98	2,583.98
5452	11/06/2020	Regular	1010	Kister, Stephanie L	0.00	2,706.86	2,706.86
5453	11/06/2020	Regular	1017	Locke, Stephanie L	0.00	3,468.22	3,468.22
5454	11/06/2020	Regular	1040	Smith, Kyle	0.00	2,389.57	2,389.57
5455	11/06/2020	Regular	1047	Timmer, Christopher	0.00	3,300.98	3,300.98
5456	11/06/2020	Regular	7015	Adams, Mary L	0.00	459.02	459.02
5457	11/06/2020	Regular	7014	Evans, Molly F	0.00	596.12	596.12
5458	11/06/2020	Regular	7017	Hoffmann, Gary D	0.00	374.02	374.02
5459	11/06/2020	Regular	7018	Riley, George T	0.00	498.69	498.69
5460	11/20/2020	Regular	1024	Stoldt, David J	0.00	5,913.56	5,913.56
5461	11/20/2020	Regular	1025	Tavani, Arlene M	0.00	2,227.86	2,227.86
5462	11/20/2020	Regular	1044	Bennett, Corryn D	0.00	2,031.06	2,031.06
5463	11/20/2020	Regular	1018	Prasad, Suresh	0.00	4,001.70	4,001.70
5464	11/20/2020	Regular	1019	Reyes, Sara C	0.00	1,891.34	1,891.34
5465	11/20/2020	Regular	1042	Hamilton, Maureen C.	0.00	2,653.45	2,653.45
5466	11/20/2020	Regular	6063	Hampson, Larry M	0.00	1,171.82	1,171.82
5467	11/20/2020	Regular	1009	James, Gregory W	0.00	3,266.44	3,266.44
5468	11/20/2020	Regular	1011	Lear, Jonathan P	0.00	4,230.75	4,230.75
5469	11/20/2020	Regular	1012	Lindberg, Thomas L	0.00	2,677.95	2,677.95
5470	11/20/2020	Regular	1045	Atkins, Daniel N	0.00	1,965.50	1,965.50
5471	11/20/2020	Regular	1004	Chaney, Beverly M	0.00	2,702.77	2,702.77
5472	11/20/2020	Regular	1005	Christensen, Thomas T	0.00	3,685.21	3,685.21
5473	11/20/2020	Regular	6071	Foster, Ivie M	0.00	408.64	408.64
5474	11/20/2020	Regular	1007	Hamilton, Cory R	0.00	2,373.15	2,373.15
5475	11/20/2020	Regular	6069	Herrmann, Katrina F	0.00	866.88	866.88
5476	11/20/2020	Regular	6070	Larson, Daniel K	0.00	429.08	429.08
5477	11/20/2020	Regular	1048	Lumas, Eric M	0.00	1,811.40	1,811.40
5478	11/20/2020	Regular	1001	Bravo, Gabriela D	0.00	2,620.78	2,620.78
5479	11/20/2020	Regular	1076	Jakic, Tricia	0.00	2,583.99	2,583.99
5480	11/20/2020	Regular	1010	Kister, Stephanie L	0.00	2,706.87	2,706.87
5481	11/20/2020	Regular	1017	Locke, Stephanie L	0.00	3,468.24	3,468.24
5482	11/20/2020	Regular	1040	Smith, Kyle	0.00	2,389.58	2,389.58
5483	11/20/2020	Regular	1047	Timmer, Christopher	0.00	2,285.88	2,285.88
38054	11/06/2020	Regular	1042	Hamilton, Maureen C.	0.00	0.00	0.00
38076	11/06/2020	Regular	7007	Byrne, Jeanne	747.47	0.00	747.47
38077	11/06/2020	Regular	7009	Edwards, Alvin	698.70	0.00	698.70

**EXHIBIT 10-C**

Payment Number	Payment Date	Payment Type	Employee Number	Employee Name	Check Amount	Direct Deposit Amount	Total Payment
38078	11/06/2020	Regular	7004	Potter, David L	236.96	0.00	236.96
Total:					1,683.13	122,781.29	124,464.42



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
**STATEMENT OF REVENUES AND EXPENDITURES**  
**FOR THE MONTH NOVEMBER 30, 2020**

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2020/2021 Year-to-Date Actual	FY 2020/2021 Annual Budget	Prior FY Year-to-Date Actual
<b>REVENUES</b>							
Property taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050,000	\$ 1,000
Water supply charge			-	-	(159)	3,300,000	(2,376)
User fees	320,804	125,192	75,115	521,111	2,284,426	4,250,000	1,596,521
Mitigation revenue	-			-	-	-	-
Capacity fees			34,480	34,480	109,625	400,000	181,895
Permit fees	-	18,572		18,572	73,492	198,000	93,918
Investment income	5,542	658	-	6,201	(17,390)	200,000	63,362
Miscellaneous	-	-	-	-	9,542	15,000	5,765
<b>Sub-total district revenues</b>	<b>326,346</b>	<b>144,422</b>	<b>109,595</b>	<b>580,363</b>	<b>2,459,536</b>	<b>10,413,000</b>	<b>1,940,084</b>
Project reimbursements	-	18,128	544,554	562,681	1,703,320	2,436,000	855,703
Legal fee reimbursements		-		-	450	16,000	150
Grants	-	-	-	-	7,274	2,495,400	-
Recording fees		2,750		2,750	16,170	6,000	16,210
<b>Sub-total reimbursements</b>	<b>-</b>	<b>20,878</b>	<b>544,554</b>	<b>565,431</b>	<b>1,727,215</b>	<b>4,953,400</b>	<b>872,063</b>
From Reserves	-	-	-	-	-	9,055,400	-
<b>Total revenues</b>	<b>326,346</b>	<b>165,300</b>	<b>654,148</b>	<b>1,145,794</b>	<b>4,186,750</b>	<b>24,421,800</b>	<b>2,812,147</b>
<b>EXPENDITURES</b>							
<b>Personnel:</b>							
Salaries	61,862	42,598	74,652	179,113	945,808	2,651,200	1,005,799
Retirement	6,019	4,048	7,373	17,440	490,292	647,400	436,935
Unemployment Compensation	(580)	(1,800)	-	(2,380)	2,584	3,000	2,457
Auto Allowance	92	92	277	462	2,262	6,000	2,308
Deferred Compensation	151	151	454	757	3,544	9,400	3,572
Temporary Personnel	-	-	-	-	-	50,000	46,542
Workers Comp. Ins.	2,822	244	1,869	4,935	22,768	85,000	40,797
Employee Insurance	13,739	9,042	13,102	35,884	191,814	505,700	186,293
Medicare & FICA Taxes	1,427	667	1,143	3,238	19,325	46,800	20,298
Personnel Recruitment	-	-	-	-	-	3,000	550
Other benefits	41	26	33	100	500	1,500	350
Staff Development	73	197	59	329	1,991	29,700	4,645
<b>Sub-total personnel costs</b>	<b>85,648</b>	<b>55,265</b>	<b>98,963</b>	<b>239,876</b>	<b>1,680,887</b>	<b>4,038,700</b>	<b>1,750,547</b>
<b>Services &amp; Supplies:</b>							
Board Member Comp	770	749	776	2,295	17,010	33,900	13,095
Board Expenses	243	154	196	593	3,083	10,000	995
Rent	985	230	915	2,130	10,650	23,200	10,250
Utilities	926	569	751	2,246	11,642	33,200	13,456
Telephone	1,665	1,141	1,154	3,960	22,243	46,500	18,600
Facility Maintenance	3,033	1,924	2,441	7,398	19,201	56,300	27,903
Bank Charges	943	598	759	2,299	7,382	15,100	8,014
Office Supplies	487	309	392	1,188	5,169	17,700	7,724
Courier Expense	100	63	80	243	1,840	6,100	2,676
Postage & Shipping	79	50	63	192	948	6,800	1,332
Equipment Lease	375	238	302	914	5,193	13,900	5,270
Equip. Repairs & Maintenance	317	201	255	773	1,113	7,000	4,285
Photocopy Expense				-			
Printing/Duplicating/Binding	24	15	19	59	59	500	-
IT Supplies/Services	3,220	2,042	2,591	7,853	116,894	220,000	97,252
Operating Supplies	-	250	-	250	746	16,100	5,848
Legal Services	6,288	4,746	7,191	18,226	111,094	400,000	87,120



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
**STATEMENT OF REVENUES AND EXPENDITURES**  
**FOR THE MONTH NOVEMBER 30, 2020**

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2020/2021 Year-to-Date Actual	FY 2020/2021 Annual Budget	Prior FY Year-to-Date Actual
Professional Fees	11,876	7,531	9,558	28,965	107,715	360,200	137,206
Transportation	1,140	-	171	1,311	9,949	34,000	14,273
Travel	573	-	-	573	2,472	26,100	7,315
Meeting Expenses	359	228	289	875	6,125	6,700	1,752
Insurance	-	-	-	-	-	98,000	29,285
Legal Notices	-	-	-	-	-	3,100	-
Membership Dues	2,393	1,517	1,926	5,836	27,922	38,300	27,320
Public Outreach	8	5	7	20	250	3,900	1,288
Assessors Administration Fee	-	-	-	-	-	20,000	-
Miscellaneous	-	-	-	-	386	3,000	379
<b>Sub-total services &amp; supplies costs</b>	<b>35,802</b>	<b>22,560</b>	<b>29,836</b>	<b>88,198</b>	<b>489,085</b>	<b>1,499,600</b>	<b>522,636</b>
Project expenditures	33,053	37,107	669,990	740,149	4,796,659	16,639,100	2,383,778
Fixed assets	-	-	-	-	34,270	220,000	7,363
Contingencies	-	-	-	-	-	70,000	-
Election costs	-	-	-	-	-	200,000	-
Debt service: Principal	-	-	-	-	-	-	-
Debt service: Interest	-	-	-	-	-	230,000	63,748
Flood drought reserve	-	-	-	-	-	-	-
Capital equipment reserve	-	-	-	-	-	324,400	-
General fund balance	-	-	-	-	-	1,000,000	-
Pension reserve	-	-	-	-	-	100,000	-
OPEB reserve	-	-	-	-	-	100,000	-
Other	-	-	-	-	-	-	-
<b>Sub-total other</b>	<b>33,053</b>	<b>37,107</b>	<b>669,990</b>	<b>740,149</b>	<b>4,830,929</b>	<b>18,883,500</b>	<b>2,454,890</b>
<b>Total expenditures</b>	<b>154,503</b>	<b>114,931</b>	<b>798,788</b>	<b>1,068,223</b>	<b>7,000,901</b>	<b>24,421,800</b>	<b>4,728,073</b>
<b>Excess (Deficiency) of revenues over expenditures</b>	<b>\$ 171,843</b>	<b>\$ 50,368</b>	<b>\$ (144,640)</b>	<b>\$ 77,571</b>	<b>\$ (2,814,151)</b>	<b>\$ -</b>	<b>\$ (1,915,926)</b>

**ITEM:        CONSENT CALENDAR****11.        CONSIDER ADOPTION OF TREASURER'S REPORT FOR DECEMBER 2020**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
----------------------	--------------------------	------------------	------------

<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
--------------	---	------------------------------------	------------

<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>
---------------------	----------------------	-----------------------	------------

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on February 10, 2021 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** Exhibit 11-A comprises the Treasurer's Report for December 2021. Exhibit 11-B and Exhibit 11-C are listings of check disbursements for the period December 1-31, 2020. Check Nos. 38127 through 38314, the direct deposits of employee's paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of \$1,326,849.86. This amount included \$16,999.99 for conservation rebates paid out during the current period. Exhibit 11-D reflects the unaudited version of the financial statements for the month ending December 31, 2020.

**RECOMMENDATION:** The Administrative Committee recommends that the Board adopt the December 2020 Treasurer's Report and financial statements, and ratification of the disbursements made during the month.

**EXHIBITS****11-A** Treasurer's Report**11-B** Listing of Cash Disbursements-Regular**11-C** Listing of Cash Disbursements-Payroll**11-D** Financial Statements



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
TREASURER'S REPORT FOR DECEMBER 2020**

<u>Description</u>	<u>Checking</u>	<u>MPWMD Money Market</u>	<u>L.A.I.F.</u>	<u>Multi-Bank Securities</u>	<u>MPWMD Total</u>	<u>PB Reclamation Money Market</u>
<b>Beginning Balance</b>	<b>\$16,620.69</b>	<b>\$536,524.23</b>	<b>\$10,589,906.05</b>	<b>\$2,862,984.55</b>	<b>\$14,006,035.52</b>	<b>\$10,629.93</b>
Fee Deposits		1,148,875.35			1,148,875.35	239,132.48
MoCo Tax & WS Chg Installment Pymt		3,264,655.06			3,264,655.06	
Interest Received				2,100.29	2,100.29	
Transfer - Checking/LAIF					0.00	
Transfer - Money Market/LAIF					0.00	
Transfer - Money Market/Checking	1,445,199.35	(1,445,199.35)			0.00	
Transfer - Money Market/Multi-Bank					0.00	
Transfer to CAWD					0.00	
Voided Checks					0.00	
Bank Corrections/Reversals/Errors					0.00	
Bank Charges/Other	(444.59)				(444.59)	
Credit Card Fees	(825.73)				(825.73)	
Returned Deposits	-				0.00	
Payroll Tax/Benefit Deposits	(139,446.28)				(139,446.28)	
Payroll Checks/Direct Deposits	(187,481.60)				(187,481.60)	
General Checks	(995,026.92)				(995,026.92)	
Bank Draft Payments	(3,624.74)				(3,624.74)	
<b>Ending Balance</b>	<b>\$134,970.18</b>	<b>\$3,504,855.29</b>	<b>\$10,589,906.05</b>	<b>\$2,865,084.84</b>	<b>\$17,094,816.36</b>	<b>\$249,762.41</b>





## Check Report

By Check Number

Date Range: 12/01/2020 - 12/31/2020



Monterey Peninsula Water Management Dist

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK	-Bank of America Checking					
Payment Type: Regular						
00249	A.G. Davi, LTD	12/07/2020	Regular	0.00	395.00	38184
00010	Access Monterey Peninsula	12/07/2020	Regular	0.00	875.00	38185
01188	Alhambra	12/07/2020	Regular	0.00	55.60	38186
00252	Cal-Am Water	12/07/2020	Regular	0.00	118.10	38187
00252	Cal-Am Water	12/07/2020	Regular	0.00	78.11	38188
02777	California Dept. Fish & Wildlife	12/07/2020	Regular	0.00	850.00	38189
02777	California Dept. Fish & Wildlife	12/07/2020	Regular	0.00	850.00	38190
16237	California Water Efficiency Partnership	12/07/2020	Regular	0.00	125.00	38191
01001	CDW Government	12/07/2020	Regular	0.00	145.00	38192
00230	Cisco Systems, Inc.	12/07/2020	Regular	0.00	290.00	38193
00281	CoreLogic Information Solutions, Inc.	12/07/2020	Regular	0.00	973.45	38194
11822	CSC	12/07/2020	Regular	0.00	5,000.00	38195
04041	Cynthia Schmidlin	12/07/2020	Regular	0.00	868.03	38196
00046	De Lay & Laredo	12/07/2020	Regular	0.00	29,012.00	38197
00041	Denise Duffy & Assoc. Inc.	12/07/2020	Regular	0.00	15,228.74	38198
18734	DeVeera Inc.	12/07/2020	Regular	0.00	6,947.00	38199
00758	FedEx	12/07/2020	Regular	0.00	191.67	38200
00993	Harris Court Business Park	12/07/2020	Regular	0.00	721.26	38201
04717	Inder Osahan	12/07/2020	Regular	0.00	1,293.21	38202
05371	June Silva	12/07/2020	Regular	0.00	578.00	38203
00222	M.J. Murphy	12/07/2020	Regular	0.00	5.88	38204
00117	Marina Backflow Company	12/07/2020	Regular	0.00	150.00	38205
00259	Marina Coast Water District	12/07/2020	Regular	0.00	938.96	38206
00259	Marina Coast Water District	12/07/2020	Regular	0.00	938.96	38207
01012	Mark Dudley	12/07/2020	Regular	0.00	540.00	38208
00223	Martins Irrigation Supply	12/07/2020	Regular	0.00	49.70	38209
00242	MBAS	12/07/2020	Regular	0.00	8,855.00	38210
16182	Monterey County Weekly	12/07/2020	Regular	0.00	863.00	38211
13396	Navia Benefit Solutions, Inc.	12/07/2020	Regular	0.00	747.91	38212
00755	Peninsula Welding Supply, Inc.	12/07/2020	Regular	0.00	131.29	38213
00282	PG&E	12/07/2020	Regular	0.00	1,695.03	38214
00282	PG&E	12/07/2020	Regular	0.00	39,263.16	38215
18544	Psomas	12/07/2020	Regular	0.00	18,267.56	38216
00262	Pure H2O	12/07/2020	Regular	0.00	65.54	38217
13394	Regional Government Services	12/07/2020	Regular	0.00	5,880.20	38218
00251	Rick Dickhaut	12/07/2020	Regular	0.00	543.40	38219
04709	Sherron Forsgren	12/07/2020	Regular	0.00	869.02	38220
09989	Star Sanitation Services	12/07/2020	Regular	0.00	90.71	38221
17965	The Maynard Group	12/07/2020	Regular	0.00	1,525.77	38222
00024	Three Amigos Pest Control DBA Central Coast Exte	12/07/2020	Regular	0.00	104.00	38223
18737	U.S. Bank Equipment Finance	12/07/2020	Regular	0.00	871.82	38224
00221	Verizon Wireless	12/07/2020	Regular	0.00	1,358.77	38225
18163	Wex Bank	12/07/2020	Regular	0.00	252.20	38226
00763	ACWA-JPIA	12/11/2020	Regular	0.00	333.10	38227
04349	American Water Resources Assoc.	12/11/2020	Regular	0.00	179.00	38228
04039	American Water Works Association	12/11/2020	Regular	0.00	1,864.00	38229
00253	AT&T	12/11/2020	Regular	0.00	807.51	38230
00252	Cal-Am Water	12/11/2020	Regular	0.00	166.37	38231
04350	California Special Districts Assoc.	12/11/2020	Regular	0.00	7,805.00	38232
16237	California Water Efficiency Partnership	12/11/2020	Regular	0.00	125.00	38233
19765	Daniel Larson	12/11/2020	Regular	0.00	46.58	38234
12655	Graphicsmiths	12/11/2020	Regular	0.00	2,738.80	38235
00277	Home Depot Credit Services	12/11/2020	Regular	0.00	28.30	38236

**EXHIBIT 11-B**

120

**Check Report****Date Range: 12/01/2020 - 12/31/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
00094	John Arriaga	12/11/2020	Regular	0.00	2,500.00	38237
19764	Katrina Herrmann	12/11/2020	Regular	0.00	70.15	38238
00222	M.J. Murphy	12/11/2020	Regular	0.00	41.48	38239
00118	Monterey Bay Carpet & Janitorial Svc	12/11/2020	Regular	0.00	1,260.00	38240
00274	Monterey One Water	12/11/2020	Regular	0.00	176.41	38241
04032	Normandeau Associates, Inc.	12/11/2020	Regular	0.00	292.50	38242
00154	Peninsula Messenger Service	12/11/2020	Regular	0.00	716.00	38243
00282	PG&E	12/11/2020	Regular	0.00	48.94	38244
00282	PG&E	12/11/2020	Regular	0.00	25.87	38245
00282	PG&E	12/11/2020	Regular	0.00	26.78	38246
00282	PG&E	12/11/2020	Regular	0.00	10.85	38247
04736	Pitney Bowes Global Financial Svc, LLC	12/11/2020	Regular	0.00	42.57	38248
13430	Premiere Global Services	12/11/2020	Regular	0.00	226.98	38249
19098	Specialty Construction, Inc.	12/11/2020	Regular	0.00	134,515.25	38250
04719	Telit IoT Platforms, LLC	12/11/2020	Regular	0.00	432.94	38251
04359	The Carmel Pine Cone	12/11/2020	Regular	0.00	726.00	38252
09425	The Ferguson Group LLC	12/11/2020	Regular	0.00	8,000.00	38253
00225	Trowbridge Enterprises Inc.	12/11/2020	Regular	0.00	1,003.22	38254
00269	U.S. Bank	12/11/2020	Regular	0.00	3,045.73	38255
	**Void**	12/11/2020	Regular	0.00	0.00	38256
04340	Valley Trophies & Detectors	12/11/2020	Regular	0.00	325.57	38257
16235	California Department of Tax and Fee Administrat	12/14/2020	Regular	0.00	560.10	38258
16235	California Department of Tax and Fee Administrat	12/14/2020	Regular	0.00	2,429.76	38259
16235	California Department of Tax and Fee Administrat	12/14/2020	Regular	0.00	517.44	38260
00760	Andy Bell	12/18/2020	Regular	0.00	711.00	38261
16235	California Department of Tax and Fee Administrat	12/18/2020	Regular	0.00	10,000.00	38262
12601	Carmel Valley Ace Hardware	12/18/2020	Regular	0.00	61.45	38263
20083	Charles & Deborah Rees	12/18/2020	Regular	0.00	75.78	38264
06268	Comcast	12/18/2020	Regular	0.00	196.66	38265
01009	Cory Hamilton	12/18/2020	Regular	0.00	60.08	38266
19765	Daniel Larson	12/18/2020	Regular	0.00	32.78	38267
00758	FedEx	12/18/2020	Regular	0.00	104.62	38268
00083	Hayashi & Wayland Accountancy Corp.	12/18/2020	Regular	0.00	22,350.00	38269
00986	Henrietta Stern	12/18/2020	Regular	0.00	1,293.21	38270
00277	Home Depot Credit Services	12/18/2020	Regular	0.00	32.83	38271
03857	Joe Oliver	12/18/2020	Regular	0.00	1,293.21	38272
19764	Katrina Herrmann	12/18/2020	Regular	0.00	169.63	38273
06999	KBA Docusys	12/18/2020	Regular	0.00	772.55	38274
05830	Larry Hampson	12/18/2020	Regular	0.00	651.20	38275
00222	M.J. Murphy	12/18/2020	Regular	0.00	110.76	38276
00274	Monterey One Water	12/18/2020	Regular	0.00	464,268.89	38277
13396	Navia Benefit Solutions, Inc.	12/18/2020	Regular	0.00	647.67	38278
00036	Parham Living Trust	12/18/2020	Regular	0.00	850.00	38279
00755	Peninsula Welding Supply, Inc.	12/18/2020	Regular	0.00	64.50	38280
00159	Pueblo Water Resources, Inc.	12/18/2020	Regular	0.00	2,989.35	38281
08925	Quinn Company	12/18/2020	Regular	0.00	1,601.30	38282
13394	Regional Government Services	12/18/2020	Regular	0.00	2,932.55	38283
17968	Rutan & Tucker, LLP	12/18/2020	Regular	0.00	9,937.50	38284
17968	Rutan & Tucker, LLP	12/18/2020	Regular	0.00	8,779.93	38285
04708	Tyler Business Forms	12/18/2020	Regular	0.00	474.25	38286
00271	UPEC, Local 792	12/18/2020	Regular	0.00	902.50	38287
19701	Weston Solutions, Inc.	12/18/2020	Regular	0.00	812.38	38288
08105	Yolanda Munoz	12/18/2020	Regular	0.00	540.00	38289
00759	Mechanics Bank	12/21/2020	Regular	0.00	109,568.00	38290
00010	Access Monterey Peninsula	12/30/2020	Regular	0.00	875.00	38291
02777	California Dept. Fish & Wildlife	12/30/2020	Regular	0.00	850.00	38292
04351	Carmel Chamber of Commerce	12/30/2020	Regular	0.00	690.00	38293
00230	Cisco Systems, Inc.	12/30/2020	Regular	0.00	290.00	38294
00281	CoreLogic Information Solutions, Inc.	12/30/2020	Regular	0.00	930.05	38295
04041	Cynthia Schmidlin	12/30/2020	Regular	0.00	868.03	38296
06001	Cypress Coast Ford	12/30/2020	Regular	0.00	63.69	38297

**EXHIBIT 11-B**

121

**Check Report****Date Range: 12/01/2020 - 12/31/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
19448	Monroe Stone Insurance Solutions, Inc.	12/30/2020	Regular	0.00	34.47	38298
18734	DeVeera Inc.	12/30/2020	Regular	0.00	468.75	38299
00192	Extra Space Storage	12/30/2020	Regular	0.00	885.00	38300
00993	Harris Court Business Park	12/30/2020	Regular	0.00	721.26	38301
00277	Home Depot Credit Services	12/30/2020	Regular	0.00	549.86	38302
04717	Inder Osahan	12/30/2020	Regular	0.00	1,293.21	38303
05829	Mark Bekker	12/30/2020	Regular	0.00	1,094.00	38304
01012	Mark Dudley	12/30/2020	Regular	0.00	540.00	38305
00242	MBAS	12/30/2020	Regular	0.00	283.75	38306
16182	Monterey County Weekly	12/30/2020	Regular	0.00	1,450.00	38307
00176	Sentry Alarm Systems	12/30/2020	Regular	0.00	401.00	38308
09425	The Ferguson Group LLC	12/30/2020	Regular	0.00	66.53	38309
00024	Three Amigos Pest Control DBA Central Coast Exte	12/30/2020	Regular	0.00	104.00	38310
06009	yourservicesolution.com	12/30/2020	Regular	0.00	3,205.00	38311
20230	Zoom Video Communications Inc	12/30/2020	Regular	0.00	387.50	38312
<b>Total Regular:</b>				<b>0.00</b>	<b>978,026.93</b>	

**EXHIBIT 11-B**

122

**Check Report****Date Range: 12/01/2020 - 12/31/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Payment Type: Bank Draft</b>						
00266	I.R.S.	12/04/2020	Bank Draft	0.00	12,214.06	DFT0001782
00266	I.R.S.	12/04/2020	Bank Draft	0.00	2,525.68	DFT0001783
00267	Employment Development Dept.	12/04/2020	Bank Draft	0.00	5,004.29	DFT0001784
00266	I.R.S.	12/04/2020	Bank Draft	0.00	299.90	DFT0001785
00266	I.R.S.	12/04/2020	Bank Draft	0.00	48.21	DFT0001787
00266	I.R.S.	12/04/2020	Bank Draft	0.00	66.58	DFT0001788
00266	I.R.S.	12/04/2020	Bank Draft	0.00	284.58	DFT0001789
00256	PERS Retirement	12/01/2020	Bank Draft	0.00	15,310.55	DFT0001790
00266	I.R.S.	12/18/2020	Bank Draft	0.00	12,359.14	DFT0001792
00266	I.R.S.	12/18/2020	Bank Draft	0.00	2,557.26	DFT0001793
00267	Employment Development Dept.	12/18/2020	Bank Draft	0.00	5,080.75	DFT0001794
00266	I.R.S.	12/18/2020	Bank Draft	0.00	434.80	DFT0001795
18163	Wex Bank	12/11/2020	Bank Draft	0.00	774.53	DFT0001796
00769	Laborers Trust Fund of Northern CA	12/11/2020	Bank Draft	0.00	25,540.00	DFT0001797
00766	Standard Insurance Company	12/01/2020	Bank Draft	0.00	1,350.59	DFT0001798
00767	AFLAC	12/18/2020	Bank Draft	0.00	907.16	DFT0001799
00282	PG&E	12/18/2020	Bank Draft	0.00	19.94	DFT0001800
00282	PG&E	12/18/2020	Bank Draft	0.00	375.86	DFT0001801
00266	I.R.S.	12/31/2020	Bank Draft	0.00	13,113.57	DFT0001803
00266	I.R.S.	12/31/2020	Bank Draft	0.00	2,560.27	DFT0001804
00267	Employment Development Dept.	12/31/2020	Bank Draft	0.00	5,418.09	DFT0001805
00266	I.R.S.	12/31/2020	Bank Draft	0.00	144.58	DFT0001806
00266	I.R.S.	12/31/2020	Bank Draft	0.00	87.59	DFT0001808
00266	I.R.S.	12/31/2020	Bank Draft	0.00	90.06	DFT0001809
00266	I.R.S.	12/31/2020	Bank Draft	0.00	385.02	DFT0001810
06268	Comcast	12/18/2020	Bank Draft	0.00	196.66	DFT0001821
00256	PERS Retirement	12/04/2020	Bank Draft	0.00	15,310.56	DFT0001832
00256	PERS Retirement	12/18/2020	Bank Draft	0.00	15,310.56	DFT0001833
00768	ICMA	12/09/2020	Bank Draft	0.00	2,650.09	DFT0001837
00768	ICMA	12/21/2020	Bank Draft	0.00	2,650.09	DFT0001848
<b>Total Bank Draft:</b>				<b>0.00</b>	<b>143,071.02</b>	

Payment Type	Bank Code APBNK		Summary	
	Payable Count	Payment Count	Discount	Payment
Regular Checks	177	128	0.00	978,026.93
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	0.00
Bank Drafts	42	30	0.00	143,071.02
EFT's	0	0	0.00	0.00
	<b>219</b>	<b>159</b>	<b>0.00</b>	<b>1,121,097.95</b>

**EXHIBIT 11-B**

123

**Check Report****Date Range: 12/01/2020 - 12/31/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Bank Code: REBATES-02-Rebates: Use Only For Rebates</b>						
<b>Payment Type: Regular</b>						
19945	Alan O. Lurie	12/04/2020	Regular	0.00	500.00	38130
19938	Alan Sagaouspe	12/04/2020	Regular	0.00	500.00	38131
19909	Anna Forman	12/04/2020	Regular	0.00	75.00	38132
19946	Barbara Britton	12/04/2020	Regular	0.00	500.00	38133
19933	Blanca De Carvalho	12/04/2020	Regular	0.00	500.00	38134
19953	Boyd Furner	12/04/2020	Regular	0.00	500.00	38135
19915	Brandon Naylor	12/04/2020	Regular	0.00	125.00	38136
19952	Christopher Browning	12/04/2020	Regular	0.00	500.00	38137
19833	Cynthia Ovens	12/04/2020	Regular	0.00	150.00	38138
19935	Danielle Groshong	12/04/2020	Regular	0.00	500.00	38139
19916	David Meyer	12/04/2020	Regular	0.00	125.00	38140
19934	David S. Cohick	12/04/2020	Regular	0.00	500.00	38141
19949	Denise Zimmerer	12/04/2020	Regular	0.00	500.00	38142
19931	Diane Balesteri	12/04/2020	Regular	0.00	500.00	38143
19926	Donald Bottomley	12/04/2020	Regular	0.00	500.00	38144
19943	Dorothy O'Connor	12/04/2020	Regular	0.00	500.00	38145
19921	Eric Abma	12/04/2020	Regular	0.00	125.00	38146
19918	Frank Scott	12/04/2020	Regular	0.00	125.00	38147
19923	Howard Raphael	12/04/2020	Regular	0.00	125.00	38148
19951	James D. Whitlow	12/04/2020	Regular	0.00	500.00	38149
19902	James Forbes	12/04/2020	Regular	0.00	75.00	38150
19939	James Knight	12/04/2020	Regular	0.00	500.00	38151
19924	Jay Spingarn	12/04/2020	Regular	0.00	125.00	38152
19911	Jeff Campen	12/04/2020	Regular	0.00	150.00	38153
19928	Jennifer Green	12/04/2020	Regular	0.00	500.00	38154
19919	Joel Feldmeier	12/04/2020	Regular	0.00	125.00	38155
19932	John Stucky	12/04/2020	Regular	0.00	500.00	38156
19917	Jose Rafael Ramos	12/04/2020	Regular	0.00	125.00	38157
19903	Judith Hough	12/04/2020	Regular	0.00	575.00	38158
19913	Justin Bell	12/04/2020	Regular	0.00	250.00	38159
19936	Kathleen E. Lang	12/04/2020	Regular	0.00	500.00	38160
19904	Kathleen Hendricks	12/04/2020	Regular	0.00	75.00	38161
19920	Kathryn Prochaska	12/04/2020	Regular	0.00	125.00	38162
19944	Kelly Maschmeyer	12/04/2020	Regular	0.00	500.00	38163
19922	Marsha Dodson	12/04/2020	Regular	0.00	125.00	38164
19950	Mary Breen	12/04/2020	Regular	0.00	75.00	38165
19914	Michael Henderson	12/04/2020	Regular	0.00	250.00	38166
19925	Michael Wallensack	12/04/2020	Regular	0.00	125.00	38167
19941	Micheal M. Shea	12/04/2020	Regular	0.00	500.00	38168
19485	Miles Lundquist	12/04/2020	Regular	0.00	200.00	38169
19910	Nik Myers	12/04/2020	Regular	0.00	150.00	38170
19927	Niranjan Subedi	12/04/2020	Regular	0.00	500.00	38171
19947	Nuttivut Juntaradarapun	12/04/2020	Regular	0.00	500.00	38172
19940	Pamela Krone	12/04/2020	Regular	0.00	500.00	38173
19906	Paul B. Knostman	12/04/2020	Regular	0.00	75.00	38174
19948	Rajiv Sinha	12/04/2020	Regular	0.00	99.99	38175
19907	Rose DiRocco	12/04/2020	Regular	0.00	75.00	38176
19912	Rose DiRocco	12/04/2020	Regular	0.00	125.00	38177
19908	Sandra Collingwood	12/04/2020	Regular	0.00	75.00	38178
19937	Sandra R Pakaski	12/04/2020	Regular	0.00	500.00	38179
19929	Sarah Fields	12/04/2020	Regular	0.00	500.00	38180
19905	Sean Madden	12/04/2020	Regular	0.00	150.00	38181
19942	Sundown Partners	12/04/2020	Regular	0.00	500.00	38182

**EXHIBIT 11-B**

124

**Check Report****Date Range: 12/01/2020 - 12/31/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
19930	Valda Cotsworth	12/04/2020	Regular	0.00	500.00	38183
Total Regular:				0.00	16,999.99	

**Bank Code REBATES-02 Summary**

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	54	54	0.00	16,999.99
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	54	54	0.00	16,999.99

**All Bank Codes Check Summary**

<b>Payment Type</b>	<b>Payable Count</b>	<b>Payment Count</b>	<b>Discount</b>	<b>Payment</b>
Regular Checks	231	182	0.00	995,026.92
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	0.00
Bank Drafts	42	30	0.00	143,071.02
EFT's	0	0	0.00	0.00
	<b>273</b>	<b>213</b>	<b>0.00</b>	<b>1,138,097.94</b>

**Fund Summary**

<b>Fund</b>	<b>Name</b>	<b>Period</b>	<b>Amount</b>
99	POOL CASH FUND	12/2020	1,138,097.94
			<b>1,138,097.94</b>





**EXHIBIT 11-C**

Monterey Peninsula Water Management Dist

**Payroll Bank Transaction Report**

By Payment Number

Date: 12/1/2020 - 12/31/2020

Payroll Set: 01 - Monterey Peninsula Water Management District

Payment Number	Payment Date	Payment Type	Employee Number	Employee Name	Check Amount	Direct Deposit Amount	Total Payment
5484	12/04/2020	Regular	1024	Stoldt, David J	0.00	5,913.54	5,913.54
5485	12/04/2020	Regular	1025	Tavani, Arlene M	0.00	2,227.83	2,227.83
5486	12/04/2020	Regular	1044	Bennett, Corryn D	0.00	2,031.06	2,031.06
5487	12/04/2020	Regular	1018	Prasad, Suresh	0.00	4,001.69	4,001.69
5488	12/04/2020	Regular	1019	Reyes, Sara C	0.00	1,891.34	1,891.34
5489	12/04/2020	Regular	1042	Hamilton, Maureen C.	0.00	2,653.43	2,653.43
5490	12/04/2020	Regular	6063	Hampson, Larry M	0.00	1,547.55	1,547.55
5491	12/04/2020	Regular	1009	James, Gregory W	0.00	3,266.42	3,266.42
5492	12/04/2020	Regular	1011	Lear, Jonathan P	0.00	4,230.73	4,230.73
5493	12/04/2020	Regular	1012	Lindberg, Thomas L	0.00	2,677.93	2,677.93
5494	12/04/2020	Regular	1045	Atkins, Daniel N	0.00	1,965.50	1,965.50
5495	12/04/2020	Regular	1004	Chaney, Beverly M	0.00	2,702.76	2,702.76
5496	12/04/2020	Regular	1005	Christensen, Thomas T	0.00	3,685.19	3,685.19
5497	12/04/2020	Regular	1007	Hamilton, Cory R	0.00	2,373.14	2,373.14
5498	12/04/2020	Regular	6069	Herrmann, Katrina F	0.00	292.87	292.87
5499	12/04/2020	Regular	6070	Larson, Daniel K	0.00	211.13	211.13
5500	12/04/2020	Regular	1048	Lumas, Eric M	0.00	1,811.39	1,811.39
5501	12/04/2020	Regular	1001	Bravo, Gabriela D	0.00	2,620.75	2,620.75
5502	12/04/2020	Regular	1076	Jakic, Tricia	0.00	2,583.98	2,583.98
5503	12/04/2020	Regular	1010	Kister, Stephanie L	0.00	2,706.86	2,706.86
5504	12/04/2020	Regular	1017	Locke, Stephanie L	0.00	3,468.22	3,468.22
5505	12/04/2020	Regular	1040	Smith, Kyle	0.00	2,389.57	2,389.57
5506	12/04/2020	Regular	1047	Timmer, Christopher	0.00	2,285.87	2,285.87
5507	12/04/2020	Regular	7015	Adams, Mary L	0.00	348.14	348.14
5508	12/04/2020	Regular	7014	Evans, Molly F	0.00	249.34	249.34
5509	12/04/2020	Regular	7017	Hoffmann, Gary D	0.00	124.67	124.67
5510	12/04/2020	Regular	7018	Riley, George T	0.00	498.69	498.69
5511	12/18/2020	Regular	1024	Stoldt, David J	0.00	5,913.56	5,913.56
5512	12/18/2020	Regular	1025	Tavani, Arlene M	0.00	2,227.89	2,227.89
5513	12/18/2020	Regular	1044	Bennett, Corryn D	0.00	2,031.14	2,031.14
5514	12/18/2020	Regular	1018	Prasad, Suresh	0.00	4,001.70	4,001.70
5515	12/18/2020	Regular	1019	Reyes, Sara C	0.00	1,891.34	1,891.34
5516	12/18/2020	Regular	1042	Hamilton, Maureen C.	0.00	2,653.45	2,653.45
5517	12/18/2020	Regular	6063	Hampson, Larry M	0.00	2,049.91	2,049.91
5518	12/18/2020	Regular	1009	James, Gregory W	0.00	3,266.44	3,266.44
5519	12/18/2020	Regular	1011	Lear, Jonathan P	0.00	4,230.75	4,230.75
5520	12/18/2020	Regular	1012	Lindberg, Thomas L	0.00	2,677.95	2,677.95
5521	12/18/2020	Regular	1045	Atkins, Daniel N	0.00	1,965.51	1,965.51
5522	12/18/2020	Regular	1004	Chaney, Beverly M	0.00	2,702.77	2,702.77
5523	12/18/2020	Regular	1005	Christensen, Thomas T	0.00	3,685.21	3,685.21
5524	12/18/2020	Regular	1007	Hamilton, Cory R	0.00	2,373.15	2,373.15
5525	12/18/2020	Regular	6069	Herrmann, Katrina F	0.00	675.92	675.92
5526	12/18/2020	Regular	6070	Larson, Daniel K	0.00	108.97	108.97
5527	12/18/2020	Regular	1048	Lumas, Eric M	0.00	1,811.40	1,811.40
5528	12/18/2020	Regular	1001	Bravo, Gabriela D	0.00	2,620.77	2,620.77
5529	12/18/2020	Regular	1076	Jakic, Tricia	0.00	2,583.99	2,583.99
5530	12/18/2020	Regular	1010	Kister, Stephanie L	0.00	2,706.87	2,706.87
5531	12/18/2020	Regular	1017	Locke, Stephanie L	0.00	3,468.29	3,468.29
5532	12/18/2020	Regular	1040	Smith, Kyle	0.00	2,389.58	2,389.58
5533	12/18/2020	Regular	1047	Timmer, Christopher	0.00	2,285.88	2,285.88
5534	12/31/2020	Regular	1024	Stoldt, David J	0.00	5,935.34	5,935.34
5535	12/31/2020	Regular	1025	Tavani, Arlene M	0.00	2,487.33	2,487.33
5536	12/31/2020	Regular	1044	Bennett, Corryn D	0.00	2,232.51	2,232.51
5537	12/31/2020	Regular	1018	Prasad, Suresh	0.00	4,292.06	4,292.06
5538	12/31/2020	Regular	1019	Reyes, Sara C	0.00	2,165.26	2,165.26
5539	12/31/2020	Regular	1042	Hamilton, Maureen C.	0.00	2,842.14	2,842.14
5540	12/31/2020	Regular	6063	Hampson, Larry M	0.00	755.48	755.48

Payment Number	EXHIBIT 11-C		Employee Number	Employee Name	Direct Deposit		Total Payment
	Payment Date	Payment Type			Check Amount	Amount	
5541	12/31/2020	Regular	1009	James, Gregory W	0.00	3,316.87	3,316.87
5542	12/31/2020	Regular	1011	Lear, Jonathan P	0.00	4,311.13	4,311.13
5543	12/31/2020	Regular	1012	Lindberg, Thomas L	0.00	2,904.04	2,904.04
5544	12/31/2020	Regular	1045	Atkins, Daniel N	0.00	2,596.16	2,596.16
5545	12/31/2020	Regular	1004	Chaney, Beverly M	0.00	2,956.45	2,956.45
5546	12/31/2020	Regular	1005	Christensen, Thomas T	0.00	3,955.08	3,955.08
5547	12/31/2020	Regular	1007	Hamilton, Cory R	0.00	2,657.49	2,657.49
5548	12/31/2020	Regular	6069	Herrmann, Katrina F	0.00	320.11	320.11
5549	12/31/2020	Regular	1048	Lumas, Eric M	0.00	1,860.38	1,860.38
5550	12/31/2020	Regular	1001	Bravo, Gabriela D	0.00	3,079.10	3,079.10
5551	12/31/2020	Regular	1076	Jakic, Tricia	0.00	2,614.63	2,614.63
5552	12/31/2020	Regular	1010	Kister, Stephanie L	0.00	3,023.86	3,023.86
5553	12/31/2020	Regular	1017	Locke, Stephanie L	0.00	3,688.92	3,688.92
5554	12/31/2020	Regular	1040	Smith, Kyle	0.00	2,439.47	2,439.47
5555	12/31/2020	Regular	1047	Timmer, Christopher	0.00	2,335.52	2,335.52
5556	12/31/2020	Regular	7015	Adams, Mary L	0.00	348.14	348.14
5557	12/31/2020	Regular	7014	Evans, Molly F	0.00	374.02	374.02
5558	12/31/2020	Regular	7019	Paull, Karen P	0.00	498.69	498.69
5559	12/31/2020	Regular	7018	Riley, George T	0.00	734.53	734.53
38127	12/04/2020	Regular	7007	Byrne, Jeanne	249.34	0.00	249.34
38128	12/04/2020	Regular	7009	Edwards, Alvin	476.36	0.00	476.36
38129	12/04/2020	Regular	7004	Potter, David L	124.67	0.00	124.67
38313	12/31/2020	Regular	7009	Edwards, Alvin	587.53	0.00	587.53
38314	12/31/2020	Regular	7004	Potter, David L	236.96	0.00	236.96
Total:					1,674.86	185,806.74	187,481.60



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
**STATEMENT OF REVENUES AND EXPENDITURES**  
**FOR THE MONTH DECEMBER 31, 2020**

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2020/2021 Year-to-Date Actual	FY 2020/2021 Annual Budget	Prior FY Year-to-Date Actual
<b>REVENUES</b>							
Property taxes	\$ 175,908	\$ 260,711	\$ 799,408	\$ 1,236,027	\$ 1,236,027	\$ 2,050,000	\$ 1,139,505
Water supply charge			2,028,628	2,028,628	2,028,469	3,300,000	1,951,463
User fees	305,372	118,162	70,355	493,888	2,778,314	4,250,000	2,095,193
Mitigation revenue	-			-	-	-	-
Capacity fees			126,733	126,733	236,357	400,000	268,252
Permit fees	-	16,548		16,548	90,040	198,000	114,404
Investment income	1,463	637	-	2,100	(15,290)	200,000	71,719
Miscellaneous	51	33	41	126	9,667	15,000	5,906
<b>Sub-total district revenues</b>	<b>482,794</b>	<b>396,090</b>	<b>3,025,165</b>	<b>3,904,049</b>	<b>6,363,585</b>	<b>10,413,000</b>	<b>5,646,441</b>
Project reimbursements	-	22,299	424,342	446,641	2,149,962	2,436,000	1,018,849
Legal fee reimbursements		450		450	900	16,000	300
Grants	-	-	-	-	7,274	2,495,400	239,809
Recording fees		4,070		4,070	20,240	6,000	19,090
<b>Sub-total reimbursements</b>	<b>-</b>	<b>26,819</b>	<b>424,342</b>	<b>451,161</b>	<b>2,178,376</b>	<b>4,953,400</b>	<b>1,278,048</b>
From Reserves	-	-	-	-	-	9,055,400	-
<b>Total revenues</b>	<b>482,794</b>	<b>422,910</b>	<b>3,449,507</b>	<b>4,355,211</b>	<b>8,541,961</b>	<b>24,421,800</b>	<b>6,924,489</b>
<b>EXPENDITURES</b>							
<b>Personnel:</b>							
Salaries	93,365	61,376	111,618	266,359	1,212,167	2,651,200	1,258,261
Retirement	9,103	5,879	11,062	26,044	516,335	647,400	453,384
Unemployment Compensation	-	-	-	-	2,584	3,000	2,457
Auto Allowance	138	138	415	692	2,955	6,000	2,770
Deferred Compensation	227	227	681	1,136	4,679	9,400	4,286
Temporary Personnel	-	-	-	-	-	50,000	49,810
Workers Comp. Ins.	3,993	349	2,800	7,143	29,910	85,000	45,802
Employee Insurance	13,265	8,739	12,721	34,725	226,539	505,700	223,760
Medicare & FICA Taxes	1,714	961	1,688	4,363	23,688	46,800	24,527
Personnel Recruitment	-	-	-	-	-	3,000	550
Other benefits	41	26	33	100	600	1,500	420
Staff Development	110	-	-	110	2,101	29,700	7,510
<b>Sub-total personnel costs</b>	<b>121,957</b>	<b>77,696</b>	<b>141,018</b>	<b>340,671</b>	<b>2,021,557</b>	<b>4,038,700</b>	<b>2,073,538</b>
<b>Services &amp; Supplies:</b>							
Board Member Comp	1,049	1,008	1,048	3,105	20,115	33,900	15,390
Board Expenses	109	69	88	266	3,350	10,000	1,060
Rent	985	230	915	2,130	12,780	23,200	11,530
Utilities	886	542	719	2,147	13,789	33,200	15,867
Telephone	1,929	1,285	1,391	4,605	26,849	46,500	21,218
Facility Maintenance	1,388	880	1,117	3,385	22,586	56,300	30,555
Bank Charges	521	331	420	1,271	8,653	15,100	8,894
Office Supplies	736	467	592	1,794	6,963	17,700	8,141
Courier Expense	241	153	194	588	2,428	6,100	3,201
Postage & Shipping	94	59	75	228	1,176	6,800	2,190
Equipment Lease	161	102	130	392	5,586	13,900	6,536
Equip. Repairs & Maintenance	-	-	-	-	1,113	7,000	4,285
Photocopy Expense				-			
Printing/Duplicating/Binding	-	-	-	-	59	500	-
IT Supplies/Services	17,171	10,889	13,821	41,881	158,775	220,000	141,350
Operating Supplies	424	180	-	604	1,350	16,100	6,818
Legal Services	-	-	-	-	111,094	400,000	87,120



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
**STATEMENT OF REVENUES AND EXPENDITURES**  
**FOR THE MONTH DECEMBER 31, 2020**

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2020/2021 Year-to-Date Actual	FY 2020/2021 Annual Budget	Prior FY Year-to-Date Actual
Professional Fees	15,037	9,536	12,103	36,675	144,390	360,200	165,404
Transportation	664	46	94	803	10,752	34,000	18,278
Travel	371	-	-	371	2,843	26,100	7,829
Meeting Expenses	359	228	289	875	7,000	6,700	2,118
Insurance	-	-	-	-	-	98,000	35,133
Legal Notices	-	-	-	-	-	3,100	-
Membership Dues	164	104	132	400	28,322	38,300	28,059
Public Outreach	-	-	-	-	250	3,900	2,473
Assessors Administration Fee	-	-	-	-	-	20,000	-
Miscellaneous	-	-	-	-	386	3,000	379
<b>Sub-total services &amp; supplies costs</b>	<b>42,288</b>	<b>26,109</b>	<b>33,126</b>	<b>101,523</b>	<b>590,608</b>	<b>1,499,600</b>	<b>623,827</b>
Project expenditures	11,998	1,999	748,057	762,054	5,558,713	16,639,100	2,730,172
Fixed assets	-	-	-	-	34,270	220,000	25,482
Contingencies	-	-	-	-	-	70,000	-
Election costs	-	-	-	-	-	200,000	-
Debt service: Principal	-	-	-	-	-	-	-
Debt service: Interest	-	-	62,308	62,308	62,308	230,000	63,748
Flood drought reserve	-	-	-	-	-	-	-
Capital equipment reserve	-	-	-	-	-	324,400	-
General fund balance	-	-	-	-	-	1,000,000	-
Pension reserve	-	-	-	-	-	100,000	-
OPEB reserve	-	-	-	-	-	100,000	-
Other	-	-	-	-	-	-	-
<b>Sub-total other</b>	<b>11,998</b>	<b>1,999</b>	<b>810,365</b>	<b>824,363</b>	<b>5,655,292</b>	<b>18,883,500</b>	<b>2,819,403</b>
<b>Total expenditures</b>	<b>176,243</b>	<b>105,803</b>	<b>984,510</b>	<b>1,266,556</b>	<b>8,267,457</b>	<b>24,421,800</b>	<b>5,516,768</b>
<b>Excess (Deficiency) of revenues over expenditures</b>	<b>\$ 306,551</b>	<b>\$ 317,107</b>	<b>\$ 2,464,997</b>	<b>\$ 3,088,654</b>	<b>\$ 274,504</b>	<b>\$ -</b>	<b>\$ 1,407,721</b>

**ITEM:      CONSENT CALENDAR****12.    RECONFIRM CY2021 BOARD COMMITTEE ASSIGNMENTS FOR DIVISION 3**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
----------------------	--------------------------	------------------	------------

<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
--------------	---	------------------------------------	------------

<b>Prepared By:</b>	<b>Joel G. Pablo</b>	<b>Cost Estimate:</b>	<b>N/A</b>
---------------------	----------------------	-----------------------	------------

**General Counsel Review: N/A****Committee Recommendation: N/A****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** A list of committee assignments for calendar year 2021 is attached as **Exhibit 12-A**.

All committees are made up of less than a quorum of the Board. The Administrative Committee is the District's one standing committee. It generally meets one week prior to the Board meeting. The other committees do not meet regularly, but only as needed.

**RECOMMENDATION:** Reconfirm CY2021 Board Committee Assignments for Division 3**EXHIBIT****12-A    Proposed Committee Assignments for Calendar Year 2021**



### EXHIBIT 12-A

## **MPWMD COMMITTEE APPOINTMENTS** **Proposed 2/25/2021**

Each listing with a \* indicates a committee charge is attached to the Board Meeting Rules

<b>Board Committees</b>	<b>2021 Appointees</b>	<b>General Information</b>
*Administrative Committee	Karen Paull – Chair Amy Anderson Safwat Malek Alvin Edwards, Alternate	<b>Legislative Body</b> Meets monthly generally one week prior to the Board meeting.
*Public Outreach/Communications	Mary Adams – Chair Amy Anderson Safwat Malek Karen Paull - Alternate	Not a legislative body. Monthly meetings scheduled, can be cancelled if no need to meet.
*Water Demand	Amy Anderson – Chair Alvin Edwards Clyde Roberson George Riley -Alternate	Not a legislative body. Monthly meetings scheduled, can be cancelled if no need to meet.
*Legislative Advocacy	George Riley – Chair Karen Paull Safwat Malek Alvin Edwards, Alternate	Not a legislative body. Quarterly meetings scheduled, can be cancelled if no need to meet.
*Water Supply Planning	George Riley – Chair Karen Paull Mary Adams Alvin Edwards, Alternate	Not a legislative body. Quarterly meetings scheduled, can be cancelled if no need to meet.
<b>Outside Agencies/Liaisons</b>	<b>2021 Appointees</b>	<b>General Information</b>
Monterey Peninsula Water Supply Project Governance Committee	The Board of Directors appoints one of its members to this committee.  Alvin Edwards, Representative Karen Paull, Alternate	<b>Legislative Body</b> Monthly meeting schedule developed and sent to committee/interested persons. Meetings cancelled if no need to meet. District serves a secretary to this committee. Committee appoints a Chair. Members: District, Board of Supervisors, Monterey Peninsula Regional Water Authority (since disbanded), Cal-Am (non-voting).
Monterey County Special Districts' Association	The Board of Directors appoints one of its members, and an alternate to this committee.  George Riley, Representative Alvin Edwards, Alternate	Coordinated by Marina Coast Water District. Meets quarterly, generally the third Tuesday.
Seaside Groundwater Basin Watermaster	The Board of Directors appoints one of its members, and an alternate to this committee.  George Riley, Representative Alvin Edwards, Alternate	The Watermaster schedules and coordinate the meetings. The Watermaster Board meets once a month. District staff participates on a technical committee monthly. The Watermaster has a website with postings of agendas and other materials.
Association of California Water Agencies/Joint Powers Insurance Agency	Alvin Edwards, Representative	The District is a member of the JPIA. One member of the Board of Directors is designated as a rep to

		the JPIA. Generally, only meet at ACWA conferences.
<b>Advisory Committees</b>	<b>2021 Appointees</b>	<b>General Information</b>
*Policy Advisory Committee	Alvin Edwards, Chair Karen Paull, Alternate	<b>Legislative Body</b> Board Chair serves as non-voting Chair of committee. Membership is one elected representative from each land use jurisdiction within the District (MPAD, Co of Monterey, and each city located within the boundaries of the MPWMD). Appointed to committee by the jurisdiction.
*Technical Advisory Committee	No members of the Board serve on this committee.	<b>Legislative Body</b> Membership is a representative from each land use jurisdiction within the District (see above). Generally, the representative will be a member of the planning division staff. That is not a requirement. The committee selects a Chair and Vice Chair from its members annually or biennially.
Ordinance No. 152 Oversight Panel	No members of the Board serve on this committee.	<b>Legislative Body</b> Each director selects a community member to serve a 2-year term. The Monterey Peninsula Taxpayers Association appoints a member to the committee, as does the Monterey County Association of Realtors. The Board ratifies the appointments. The General Manager serves as Chair of the committee.
*Carmel River Advisory Committee	No members of the Board serve on this committee.	<b>Legislative Body</b> Each Director appoints a member to this committee for a 2-year term. Coordination and support for this committee are provided by the Environmental Resources Division – Thomas Christensen Manager. The committee annually selects a Chair and Vice Chair.



ITEM 14

**David C. Laredo**  
**Heidi A. Quinn**  
**Frances M. Farina**  
**Michael D. Laredo**

**Paul R. De Lay**  
**(1919 – 2018)**

**Pacific Grove Office:**  
606 Forest Avenue  
Pacific Grove, CA 93950  
Telephone: (831) 646-1502  
Facsimile: (831) 646-0377

February 19, 2021

TO: MPWMD Board of Directors

FROM: David C. Laredo & Fran Farina, Office of the General Counsel

Cc: Dave Stoldt, General Manager

RE: California-American Water Company  
Status Report on 2019 General Rate Case Application 19-07-004

---

California-American Water Company (Cal-Am) filed this 2019 General Rate Case (GRC) with the California Public Utilities Commission (CPUC or Commission) on July 1, 2019. Rates approved by the Commission from this proceeding apply to water consumed in years 2021, 2022 and 2023. This massive filing included initial testimony from fourteen (14) separate Cal-Am witnesses, Minimum Data Requirements (MDRs) with mandatory operational information totaling thousands of pages, seventeen (17) Special Requests, and supporting workpapers. This is also a statewide filing affecting all Cal-Am districts in California in addition to issues affecting only the Monterey District.

Initial Procedural Activities

The Monterey Peninsula Water Management District (District) filed its Protest on August 2, 2019 to identify issues in general terms and indicate discovery would be needed to formulate appropriate positions. Other major parties who protested or requested party status have included:

- California Public Advocates Office (Cal PA previously known as ORA or DRA),
- City of Thousand Oaks,
- City of Duarte,
- Coalition of Peninsula Businesses,
- City of San Marino, and
- Las Palmas Wastewater Committee

Cal-Am replied to all protests on August 15, 2019.

Commissioner Genevieve Shiroma and Administrative Law Judge (ALJ) Gerald Kelly jointly conducted A Prehearing Conference on September 19, 2019 during which party status was confirmed and preliminary procedural issues were addressed. Neither Commissioner Shiroma nor ALJ Kelly had had prior experience with Monterey's water history or issues.

A Public Participation Hearing was held in the City of Seaside on February 18, 2020. The District did not have a speaking role as it was a Party to the proceeding but did attend as an observer.

### District Testimony

The District submitted written testimony on February 27, 2020. General Manager Dave Stoldt testified to understated impacts of Cal-Am's proposed rate increases which do not reflect many surcharges paid by Monterey ratepayers. He raised issues related to statewide subsidies currently allowed by the Commission and new subsidies proposed by Cal-Am. These would increasingly shift costs for new water and wastewater acquisitions, major infrastructure upgrades, or low-income assistance to the disadvantage of local ratepayers. There would thus be a transfer of costs from local districts to the benefit of other Cal-Am customers, but most of these other customers are not burdened by water service costs that are as expensive as in Monterey. Stoldt addressed lack of consistent Commission policy to address consolidation issues, and the difficulty identifying true impacts on Monterey customers. Stoldt supported a change to Monterey's rate design to eliminate the 5<sup>th</sup> tier to thus make permanent a previous Monterey pilot Annual Consumption Adjustment Mechanism; he also requested cleanup of tariffs.

Stephanie Locke provided testimony on District conservation activities over the decades, MPWMD coordination with Cal-Am on conservation programs, and supported removal of the 5<sup>th</sup> tier in Monterey's rate design. Her testimony opposed Cal-Am's support for a statewide conservation program and its request to move up to 50% of the Monterey budget to other areas; she opposed elimination of a customer complaint report requirement and proposed changes to the Hardship Assistance Program which would require Monterey ratepayers to fund half the cost.

Jon Lear testified as to conditions of Cal-Am's Carmel Valley wells, their reduced production capacity and related impacts to the capture of excess Carmel River winter flows for the Aquifer Storage and Recovery (ASR) program. He also characterized the need for new Cal-Am wells and well rehabilitation. His testimony additionally addressed the Los Padres Dam Alternatives Study. District testimony strongly supported two proposed Cal-Am projects: a new Carmel Valley Well on the former Rancho Canada Golf Course and a Forest Lake Pump Station.

### COVID Disruptions to Procedural Schedule

Cal-Am submitted extensive rebuttal testimony on March 30, 2020. Parties were to required to participate in Mandatory Alternative Dispute Resolution (ADR) from March 31 to April 17 and an evidentiary hearing was thereafter set for April 20 through May 12, 2020. Neither events happened.

As required, Parties requested ADR but no CPUC judges were available. Parties instead engaged in extensive settlement discussions via telephone and video conference. Unfortunately, Cal-Am structured these efforts in such a way that each Party was placed in a separate "silo" and due to the confidential

nature of the settlement process, one Party was not informed of another Party's position – even on mutual issues. The District asserted settlement discussions with Cal-Am, Cal PA and MPWMD would be productive on Monterey issues because testimony showed areas of alignment as well as disagreement. MPWMD's request for three-party settlement discussions was rejected.

ALJ Kelly amended the procedural schedule multiple times due to impacts caused by COVID lockdowns. On April 2<sup>nd</sup>, the evidentiary hearing was delayed to June 2. On May 22, 2020 hearings were again delayed to July 20. On June 11 an additional ALJ ruling provided instructions for conduct of remote evidentiary hearings. Requirements included agreement on stipulated facts, mutual statements as resolved issues & unresolved issues (those requiring evidentiary hearing), order of witnesses and proposed exhibit lists – basically everything required prior to commencement of a formal hearing. The Parties completed these tasks by July 13.

On July 16, 2020 ALJ Kelly issued a ruling suspending the procedural schedule “until the ADR neutral can be assigned and has a chance to meet with the parties.” The Parties file a joint status conference statement by November 15, 2020. All hearing preparation was put aside until ADR could begin.

Two neutral ADR ALJs were assigned August 12, 2020; they scheduled an initial mediation session on September 9<sup>th</sup>. Thereafter, separate ADR sessions were held. The District had one separate meeting to provide background and request three-Party settlement discussions with Cal-Am, Cal PA and the District. No further ADR sessions were convened by the ADR neutrals involving MPWMD.

On November 16, 2020, Cal-Am submitted the joint Status Conference Statement required by ALJ Kelly's July 16 ruling. Under the “siloe” settlements and ADR discussions, Cal-Am asserted it had reached a comprehensive settlement with all major Parties.

During a status conference with ALJ Kelly on December 3, 2020 Cal-Am and Cal PA objected to the need for a evidentiary hearing; the ALJ indicating he felt similarly. MPWMD acceded as to the need for evidentiary hearing on December 16 when offered the opportunity to complete further settlement efforts with Cal-Am. This also enabled the District to review the 458-page comprehensive settlement with Cal PA that had previously been held as confidential. The District's draft Opening Brief would be filed February 18, 2021.

### The Settlement Agreements

NOTE: As an important aside, it must be kept in mind that even if Parties settle on issues, the Commission can and has disapproved proposed settlements in full or in part.

#### A. Settlement Agreement between Cal-Am, Cal Public Advocates, *et al.* on GRC Issues

Cal-Am filed a comprehensive settlement agreement on January 22, 2021. Cities of Duarte, San Marino and Thousand Oaks agreed to specific portions of the agreement, only, or agreed to not oppose other portions of the settlement. Primary issues affecting these cities involved only the proposed consolidation of Cal-Am's Southern Division and rate design concerns that were not relevant to MPWMD issues.

### Areas of Agreement

MPWMD's settlement with Cal-Am is separate from Cal-Am's settlement with Cal PA, but there are agreements on certain issues identified below.

As to rate design, all agree to eliminate the 5<sup>th</sup> Monterey tier for residential single-family and residential multi-family customer tariffs; this required modification to the Tier 4 break point. Further agreement set the meter charge to recover 30% of the revenue requirement, an increase from the current 25% recovery.

As to Cal-Am's Special Request #4 (Leak Adjustment Policy), all agree to continue including the adjustments in Monterey base rates with a budget of \$2.7 million in 2021, to escalate in the subsequent two years.<sup>1</sup>

The Water Revenue Adjustment Mechanism (WRAM) cap remains at 15%. This Special Request #5 originally sought an increase to 25% but in its rebuttal testimony Cal-Am agreed to reduce percentage cap. Cal-Am's settlement with Cal PA applies only to this rate case period. As of December 31, 2019, Monterey's cumulative under-collected WRAM balance was a net of \$26.8 million. The revenue is collected by a volumetric surcharge.

Special Request #12 is designed to make permanent Monterey's Annual Consumption Adjustment Mechanism. This originated as a pilot program in 2015 and proved to be an important tool to avoid large under-collected WRAM balances. This relies on more recent actual consumption, by tier, for residential and by division for non-residential. To illustrate how this works, rates effective January 1, 2021 reflect Monterey's actual consumption for the 12 months ended September 30, 2020.

Cal-Am initially proposed Special Request #13 to consolidate its statewide conservation programs rather than to maintain and fund these by its separate regional districts. Cal-Am also proposed it receive authority to shift up to 50% of individually authorized conservation budget funds. Cal PA agreed to the statewide approach with several caveats. MPWMD strongly objected to the proposal. MPWMD negotiated settlement with Cal-Am to maintain its own budget and program to be funded as part of base rates. These funds could only be spent in Monterey with flexibility to spend the funds during the three-year rate cycle and shift funds between Best Management Practices categories. The settlement with Cal PA indicates Cal-Am agreed to withdraw its request.

By Special Request #14 Cal-Am sought to eliminate two reports it alleged were duplicative or unnecessary. Agreement was reached to eliminate Monterey rebate and audit reports originally required by CPUC Decision 09-05-029.

Cal-Am reiterated a 2016 request related to the Monterey Wastewater High Cost Fund in Special Request #17. MPWMD had objected this in the 2016 GRC and objected again in this 2019 filing; Cal PA similarly objected. In both settlements Cal-Am withdrew its request with the proviso that it was not

---

<sup>1</sup> The \$2.7 million assumes the rate design and AMI requests are adopted by the Commission or \$3.25 million if they are rejected.

precluded from again raising this in a later case. This issue can be expected to re found again in Cal-Am's next GRC application.

The Parties agreed as to several capital projects for Monterey including the Forest Lake Pump Station and a new Carmel Valley well at the former Rancho Canada Golf Course.

### Areas of Disagreement

Special Request #14 addressed a second mandatory report Cal-Am sought to eliminate. This requirement arose from a 2005 GRC condition that compels Cal-Am file quarterly call center reports to identify types of calls Cal-Am received and the final disposition of these contacts.

Additional proposed issues with statewide impact that MPWMD disputes include Cal-Am's request to impose cost sharing for its catastrophic events, acquisition premiums Cal-Am paid to acquire distressed water and wastewater systems, its ongoing subsidies for operation, maintenance, and capital projects for "high cost" areas, and new hardship programs for non-local low-income customers. MPWMD asserts it is not equitable to impose these burdens on local rate payers given extremely high local water rates, and the fact that other extraordinary expenses have been borne solely by local rate payers and are not proposed to be shared among Cal-Am's statewide ratepayers.

Monies for Carmel Valley well rehabilitation is reduced significantly at a time when production is decreasing. The CPUC has authorized only one standby generator. Monterey is expected to pay for a new well for Sand City's desalination plant, a facility owned by the City of Sand City. Monies available for the fire protection program to improve fire flow in at-risk areas is insufficient to meet the need. None of these costs would be eligible for state-wide sharing.

### B. Partial Settlement between Cal-Am and Las Palmas Wastewater Committee

Partial settlement between Cal-Am and Las Palmas Wastewater Committee was filed on January 25, 2021. MPWMD has been concerned with Monterey Wastewater issues since Cal-Am began to advocate for a "high-cost fund." The number of Monterey Wastewater customers is relatively small – less than 2500 – but operational costs for this wastewater system plus the need for capital improvements is large. Cal-Am proposed Special Request #17 by which all non-low-income customers (water and wastewater) outside this "high-cost area" be assessed a monthly flat surcharge to their bills to subsidize an offset to the high-cost area.

Cal-Am agreed to withdraw its Special Request #17,<sup>2</sup> but for this proceeding only. Both Cal-Am and Las Palmas Wastewater Committee continue to support this as a long-term solution. Testimony showed expenditures could be five times more in the next rate case for one project.

Revision of cost allocation factors between wastewater and water customers as well as between active and passive wastewater customers is also proposed as part of the settlement. Cal-Am proposes to raise the low-income discount for Monterey active wastewater customers from 20% to 35%. MPWMD

---

<sup>2</sup> Special Request #17 is also withdrawn in the settlement agreements with MPWMD and Cal PA.

agreed to this request in the 2016 rate case settlement, but that settlement was rejected by the Commission. MPWMD has not objected to this change.

### Next Steps

An Opening Brief is to be filed on February 18, 2021. Formal Comments on other Settlement Agreements will be filed by February 22, 2021. A Reply Brief is anticipated from Cal-Am by March 4, 2021.

Once all briefings have been lodged, the ALJ will take the matter under submission. ALJ Kelly has 90 days to complete his Proposed Decision (PD). When the PD is served, the District has 20 days to file comments on the PD. If needed, replies to comments may thereafter be filed within five days after the last day for filing comments. Generally, the Commission votes on the PD Decision within 60 days of its issuance.

U:\staff\Boardpacket\2021\20210225\District Counsel Report\14\Item-14.docx

**ITEM: ACTION ITEM****16. CONSIDER EXPENDITURE OF FUNDS FOR THE MAINTENANCE AND REPAIR OF THE REARING CHANNEL LINER AT THE SLEEPY HOLLOW STEELHEAD REARING FACILITY**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>No</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/</b>	<b>Protect Environmental Quality</b>
		<b>Line Item No.:</b>	<b>2-3-1 A General operations and maintenance</b>
<b>Prepared By:</b>	<b>Beverly Chaney and Larry Hampson</b>	<b>Cost Estimate:</b>	<b>\$13,363</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on February 10, 2021 and recommended approval.****CEQA Compliance: Categorical Exemption, Section 15301, Existing Facilities.**

---

**SUMMARY:** Staff proposes to hire Scardina Builders, Inc. to repair a portion of the liner used in the rearing channel at the Sleepy Hollow Steelhead Rearing Facility. The cost of repair is estimated to be \$12,363 (see **Exhibit 16-A**). District staff would like to include a \$1,000 contingency for this project. Work must be completed prior to the initiation of 2021 operations and should take approximately one week. Because the needed repair work was discovered after the adoption of the FY 2020-2021 budget in June 2020, the General operations and maintenance line item should be increased with the mid-year budget adjustment.

**RECOMMENDATION:** The Administrative Committee recommends that the Board of Directors approve the following actions:

- A) Authorize repairs at a Not-to-Exceed cost of \$13,363; and
- B) Authorize a mid-year budget adjustment of \$13,363 in line item 2-3-1 A. General operations and maintenance for the Sleepy Hollow Steelhead Rearing Facility.

**DISCUSSION:** The Sleepy Hollow Steelhead Rearing Facility was recently upgraded to allow for expanded use of the facility and was operated for several months in 2020. However, no repairs were made to the original 800 feet of liner in the rearing channel during the upgrade project. In the past when there was evidence of minor leaks in the liner, staff have carried out repairs. Operations during 2020 showed that the liner, which was installed in 1996 and is made of Hypalon, has deteriorated to the point that there are water leaks out of the channel through the bottom and sides at several locations. The location proposed for repairs is one of the largest leaks along the channel and could cause loss of support material for the liner and concrete walls. The liner has been repaired previously but must now be replaced in this section and the new section

joined to the adjacent upstream section. It is important to note, that the current liner is sitting on sand, and part of this repair is to put in a concrete floor to support the liner at this location. After testing out the new repair, with the addition of the concrete floor, the remainder of the rearing channel pools will be evaluated. This will allow staff to determine if the other pools should have this type of repair in the future. If repair of the other pools is necessary, staff will request additional quotes for the work and place a line item in the 2021-22 budget. Staff has worked with Scardina Builders, Inc., on several other maintenance projects at the facility.

**IMPACTS ON STAFF AND RESOURCES:** Funds for repairs will be included in the FY 2020-2021 mid-year budget adjustment under Program line item 2-3-1 A. General operations and maintenance.

## **EXHIBIT**

**16-A** January 15, 2021 Cost Estimate from Scardina Builders, Inc.



Scardina Builders, Inc.  
P.O. Box 1453  
Carmel Valley, CA 93924  
License # 933369  
831-659-3329 831-659-1033

January 15, 2021

Monterey Peninsula Water Management District  
5 Harris Court Bldg. G  
Monterey, CA 93940

**Steelhead Rearing Facility- Repair pond liner, termination & connections at last pond tank**

Move/in set up	\$200
Demo existing EDPM pond liner in tank	\$450
Excavate bottom of tank for new slab	\$800
Compact tank bottom & set 2" of sand	\$600
Drill & set reinforcing steel	\$1,750
Pour 6" hydraulic cement slab	\$3,800
Cut channel in concrete curb	\$850
Install new PVC Liner	\$2,300
<b>Project subtotal</b>	<b>\$10,750</b>
<b>15% P&amp;O</b>	<b>\$1,613</b>
<b>Project total</b>	<b>\$12,363</b>



**ITEM: ACTION ITEM****17. CONSIDER ADOPTION OF RESOLUTION 2021-01 DECLARING THE WEEK OF MARCH 15-21, 2021, TO BE *FIX A LEAK WEEK*****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David J. Stoldt,  
General Manager **Program/  
Line Item No.:****Prepared By:** Stephanie Locke **Cost Estimate:** N/A**General Counsel Review:** No**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**SUMMARY:** The U.S. Environmental Protection Agency's (EPA's) WaterSense® program promotes its annual Fix a Leak Week in March as part of its efforts to encourage Americans to use water efficiently. The District, as a WaterSense Partner, supports the EPA's program and encourages the immediate repair of every leak. Our local water waste restrictions and the high cost of water on the Monterey Peninsula make it sensible for everyone to pay attention to their water use, including keeping a watchful eye for wasteful drips and leaks and for unusually high water bills that could indicate an unobvious leak.

During the week of March 15-21, 2021, the District urges everyone to take the Ten Minute WaterSense Challenge to detect and chase down leaks (**Exhibit 17-A**). If a leak is found, fix it immediately. Little drips can easily add up to lots of dollars. Similarly, if the public notices water leaks in the streets or dripping fire hydrants or water meters, report leaks by emailing [conserve@mpwmd.net](mailto:conserve@mpwmd.net) or call the Water Waste Hotline at 831-658-5653 or call California American Water at 888-673-6301.

The EPA has a number of educational and fun activities related to Fix-A-Leak Week on its website at <https://www.epa.gov/watersense/fix-leak-week>.

**RECOMMENDATION:** Staff recommends that the Board adopt Resolution 2021-01 (**Exhibit 17-B**) declaring the week of March 15<sup>th</sup> through March 21<sup>st</sup> to be Fix a Leak Week.

**DISCUSSION:** Fix a Leak Week is celebrated in March of each year as a time to remind Americans to check their household fixtures and irrigation systems for leaks.

**The Facts on Leaks:**

- The average household's leaks can account for more than 10,000 gallons of water wasted every year, or the amount of water needed to wash 270 loads of laundry.

- Household leaks can waste more than 1 trillion gallons annually nationwide. That's equal to the annual household water use of more than 11 million homes.
- Ten percent of homes have leaks that waste 90 gallons or more per day.
- Common types of leaks found in the home include worn toilet flappers, dripping faucets, and other leaking valves. All are easily correctable.
- High water pressure in the home can result in leaks in the pipes, irrigation system, water fixtures and appliances. Pressure reducing valves on the water line should be periodically repaired or replaced after checking the pressure at the house.
- Fixing easily corrected household water leaks can save homeowners about 10 percent on their water bills.
- Keep your home leak-free by repairing dripping faucets, toilet flappers, and showerheads. In most cases, fixture replacement parts don't require a major investment.
- Most common leaks can be eliminated after retrofitting a household with new WaterSense labeled fixtures and other high-efficiency appliances.

#### **Leak Detection:**

- A good method to check for leaks is to examine your winter water usage. It's likely that a family of four has a serious leak problem if its winter water use exceeds 12,000 gallons per month.
- Check your water meter before and after a two-hour period when no water is being used. If the meter does not read exactly the same, you probably have a leak.
- One way to find out if you have a toilet leak is to place a drop of food coloring in the toilet tank or use a Leak Detection Kit from MPWMD. If the color shows up in the bowl within 10 minutes without flushing, you have a leak. Make sure to flush immediately after this experiment to avoid staining the tank.

#### **Faucets and Showerheads:**

- A leaky faucet that drips at the rate of one drip per second can waste more than 3,000 gallons per year. That's the amount of water needed to take more than 180 showers!
- Leaky faucets can be fixed by checking faucet washers and gaskets for wear and replacing them if necessary. If you are replacing a faucet, look for the [WaterSense label](#).
- A showerhead leaking at 10 drips per minute wastes more than 500 gallons per year. That's the amount of water it takes to wash 60 loads of dishes in your dishwasher.

- Most leaky showerheads can be fixed by ensuring a tight connection using pipe tape and a wrench. If you are replacing a showerhead, look for one that has earned the WaterSense label.

### **Toilets:**

- If your toilet is leaking, the cause is often an old, faulty toilet flapper. Over time, this inexpensive rubber part decays, or minerals build up on it. It's usually best to replace the whole rubber flapper—a relatively easy, inexpensive do-it-yourself project that pays for itself in no time. MPWMD offers free replacement flappers.
- If you do need to replace the entire toilet, look for a [WaterSense labeled model](#). If the average family replaces its older, inefficient toilets with new WaterSense labeled ones, it could save 13,000 gallons per year. Retrofitting the house could save the family nearly \$2,400 in water and wastewater bills over the lifetime of the toilets.

### **Outdoors:**

- An irrigation system should be checked each spring before use to make sure it was not damaged by frost or freezing.
- An irrigation system that has a leak 1/32nd of an inch in diameter (about the thickness of a dime) can waste about 6,300 gallons of water per month.
- To ensure that your in-ground irrigation system is not leaking water, consult with a WaterSense irrigation partner who has passed a certification program focused on water efficiency; [look for a WaterSense irrigation partner](#).
- Check your garden hose for leaks at its connection to the spigot. If it leaks while you run your hose, replace the nylon or rubber hose washer and ensure a tight connection to the spigot using pipe tape and a wrench.

## **EXHIBITS**

**17-A** Ten Minute WaterSense Challenge (English and Spanish)

**17-B** Resolution 2021-01 Declaring March 15-21, 2021, as Fix a Leak Week in the Monterey Peninsula Water Management District



## EXHIBIT 17-A



# DETECT AND CHASE DOWN LEAKS



## Did You Know

that easy-to-fix water leaks account for more than 1 trillion gallons of water wasted each year in U.S. homes? In fact, the average household leaks more than 10,000 gallons of water per year, or the amount of water it takes to wash 270 loads of laundry, and could be costing you an extra 10 percent on your water bills.

In just 10 minutes, you can search your home for leaks and crack down on water waste. Many common household leaks are quick to find and easy to fix. Worn toilet flappers, dripping faucets, and leaking showerheads all are easily correctable and can save on your utility bill expenses and water in your community.

So put on your detective hat, lace up your running shoes, and take this 10-minute challenge to detect and chase down leaks!

[www.epa.gov/watersense/fixaleak](http://www.epa.gov/watersense/fixaleak)



## Start by Gathering Clues

These clues can help you detect leaks before you even start investigating your home.

# 1

### Check Your Utility Bill

A place to start is to examine your utility bill for January or February. It's likely that a family of four has a serious leak problem if its winter water use exceeds 12,000 gallons (or 16CCF) per month. You can also look for spikes - is your water use a lot higher this month than it was last month? Learn more about your water bill: <http://1.usa.gov/1Qw3Eg9>.

# 2

### Read Your Water Meter

Find your water meter, which is usually near the curb in front of your home but can be inside your home (e.g., in the basement) in cold climates. Use a screwdriver to remove the lid on your meter, which is heavy and usually marked "water."

Now that you've found the meter, take a reading during a period when no water is being used. If the meter does not read exactly the same after two hours, you probably have a leak. Here's a tip on how to read a water meter: <http://bit.ly/1TeYnMu>.

# 3

### Take a Toilet Test

Put a few drops of food coloring into the tank at the back of your toilet and let it sit for 10 minutes. If color shows up in the bowl, you have a leak. Make sure to flush afterward to avoid staining, and consider replacing your old toilet flapper if it is torn or worn.

While you're waiting to see if your toilet has a leak, walk around your house with the checklist on the next page and see if you can chase down any other water wasters.

## Here are some of the places leaks may be hiding in your home.

Some leaks require a simple fix—a worn toilet flapper, loose pipe connection, or showerhead with stray spray. But you may want to consult a licensed plumber to stop your running toilet, broken sprinklers, water heater drips, or malfunctioning water supply lines. Take a quick inventory of clues to water waste:

### IN THE BATHROOM

- ☐ Toilets: Listen for running water and conduct the food coloring test described on the first page.
- ☐ Faucets: Listen for drips and turn on the tap to check for water going the wrong direction.
- ☐ Showerheads: Turn on and look for drips or stray sprays that can be stopped with tape.
- ☐ In the tub: Turn on the tub, then divert the water to the shower and see if there's still a lot of water coming from the tub; that could mean the tub spout diverter needs replacing.
- ☐ Under the sink: Check for pooling water under pipes and rust around joints and edges.

### IN THE KITCHEN

- ☐ Faucet: Listen for drips and tighten aerators or replace fixtures if necessary.
- ☐ Sprayer: Check to make sure water is spraying smoothly and clean openings as needed.
- ☐ Under the sink: Check for pooling water under pipes and rust around joints and edges.
- ☐ Appliances: Check for pooling water underneath dishwashers and refrigerators with ice makers, which could indicate a supply line leak.

### IN THE LAUNDRY OR UTILITY ROOM

- ☐ Under the sink: Check for pooling water under pipe connections.
- ☐ Clothes washer: Check for pooling water, which could indicate a supply line leak.

### IN THE BASEMENT OR UTILITY ROOM

- ☐ Water heater: Check beneath the tank for pooling water, rust, or other signs of leakage.

### DON'T FORGET TO GO OUTSIDE

- ☐ At the spigot: Ensure tight connections with the hose and see if the hose washer needs replacing.
- ☐ In-ground irrigation system: Check for broken sprinklers or nozzles spraying in the wrong direction. You may want to consult an irrigation auditor certified by a WaterSense labeled program to improve system efficiency: <http://1.usa.gov/1YbFMjK>.

### FOR THE KIDS



Kids aren't just the leaders of tomorrow, they're the dreamers and do-er's of today. "Test Your WaterSense" and try other fun activities at Flo's Kids Zone at: <http://1.usa.gov/1IzAJGv>

### THROUGHOUT THE HOUSE

Check for signs of moisture or mold on your walls, ceilings, or floors. This could indicate that a pipe is wreaking havoc behind the scenes and requires the attention of a professional.

If you want to do a more detailed investigation for leaks, check out the Arizona Municipal Water Users Association Smart Home Water Guide at [www.smarthomewaterguide.org](http://www.smarthomewaterguide.org).

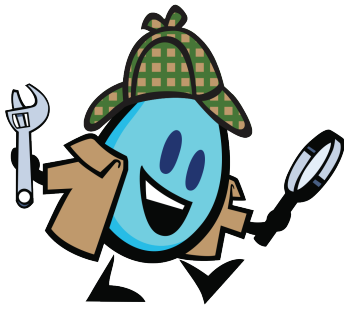
If any of your fixtures needs replacing, remember to look for the WaterSense label when purchasing plumbing products. WaterSense labeled products are independently certified to use at least 20 percent less water and perform as well or better than standard models.

For more information, visit <http://1.usa.gov/1Qqw75T>.

### MARK AN X FOR LEAKS







## DETECTE Y ELIMINE FUGAS



### ¿Sabía que...?

las fugas fáciles de reparar representan casi 1 trillones de galones de agua desperdiciada cada año en los hogares estadounidenses. De hecho, el hogar promedio tiene fugas que representan casi 10,000 galones de agua al año, o la cantidad de agua necesaria para lavar 300 cargas de ropa, y podría costarle un 10% adicional en sus facturas de agua.

En solo 10 minutos, puede buscar las fugas en su hogar y eliminar el desperdicio de agua. Muchas fugas comunes en los hogares se encuentran rápidamente y son fáciles de reparar. Los tapones desgastados en los inodoros, las llaves que gotean y las cabezas de ducha con fugas son todas fallas que se corrigen fácilmente y pueden ahorrarle dinero en su factura de servicios públicos y agua en su comunidad.

¡Por eso póngase su gorra de detective, sus zapatillas de correr y acepte este reto de 10 minutos para detectar, perseguir y eliminar las fugas!

[www.epa.gov/watersense/fix-leak-week](http://www.epa.gov/watersense/fix-leak-week)



### Comience por reunir pistas

Estas pistas pueden ayudarle a detectar fugas antes de comenzar siquiera a investigar en su hogar.

# 1

#### Revise su factura de servicios públicos

Conviene comenzar por examinar su factura de servicios públicos correspondiente a enero o febrero. Es probable que una familia de cuatro tenga un problema grave de fugas si su consumo de agua en el invierno supera los 12,000 galones (o 16 CCF) al mes. También puede buscar incrementos repentinos - ¿aumentó mucho su consumo de agua este mes comparado con el mes pasado? Conozca más detalles sobre su factura de agua: [www.epa.gov/watersense/understanding-your-water-bill](http://www.epa.gov/watersense/understanding-your-water-bill).

# 2

#### Lea su medidor de agua

Busque su medidor de agua, que comúnmente se encuentra cerca de la acera a la entrada de la casa pero puede estar dentro del hogar (por ej., en el sótano) en zonas con clima frío. Use un destornillador para sacar la tapa del medidor, que es pesada y generalmente está marcada con la palabra "water."

Ahora que encontró el medidor, anote la lectura durante un periodo en que no se esté usando agua. Si el medidor no indica exactamente lo mismo después de dos horas, es probable que haya una fuga. Aquí hay un consejo sobre cómo leer el medidor de agua: [www.smarthomewatguide.org/how-to-read-your-water-meter](http://www.smarthomewatguide.org/how-to-read-your-water-meter).

# 3

#### Realice una prueba del inodoro

Ponga unas gotas de colorante para alimentos en el tanque que hay detrás del inodoro y déjelo estar 10 minutos. Si aparece color en la taza, hay una fuga. Recuerde descargar esta agua de la taza para evitar que se manche, y considere cambiar el tapón de su inodoro si está roto o desgastado. Revise nuestra la página web Repare una Fuga para ver videos prácticos que muestran cómo hacerlo.

Mientras espera verificar si su inodoro tiene una fuga, camine por su casa con la lista de verificación que hay en la página siguiente y vea si puede eliminar otros puntos donde se pierda agua.

# Lista de verificación para eliminar fugas

152

## Aquí tiene algunos de los lugares donde puede haber fugas ocultas en su hogar.

Algunas fugas necesitan una reparación simple—un tapón desgastado dentro del tanque del inodoro, una conexión suelta de la cañería o una cabeza de ducha que apunta desviado. Pero puede convenirle consultar con un plomero que tenga licencia para reparar el agua que corre en el inodoro, los regadores rotos, el calentador de agua que gotea o las cañerías de agua que funcionan mal. Haga un inventario rápido de pistas sobre puntos donde se pierde agua:

### EN EL BAÑO

- ☐ Inodoros: Escuche si corre el agua y haga una prueba con colorante para alimentos como se describe en la primera página.
- ☐ Llaves: Escuche si gotean y hágalas funcionar para revisar si el agua apunta en la dirección incorrecta.
- ☐ Cabezas de ducha: Hágalas funcionar y busque si hay goteos o si rocían de manera desviada y se puede parar con cinta.
- ☐ En la tina de baño: Hágala funcionar, luego desvíe el agua a la ducha y vea si todavía sale mucha agua a la tina; eso puede indicar que hay que cambiar el derivador de la espita de la tina.
- ☐ Debajo del lavabo: Revise si se acumula agua debajo de las cañerías y corrosión alrededor de las juntas y bordes.

### EN LA COCINA

- ☐ Llave: Escuche si hay goteos y apriete los aireadores o cambie la grifería si es necesario.
- ☐ Rociador: Confirme que el agua sale rociada uniformemente y limpie las aberturas según sea necesario.
- ☐ Debajo del lavabo: Revise si se acumula agua debajo de las cañerías y si hay corrosión alrededor de las juntas y bordes.
- ☐ Electrodomésticos: Revise si se acumula agua debajo de las lavadoras de vajilla y los refrigeradores que hacen hielo; esto podría indicar una fuga en la manguera de suministro.

### EN EL LAVADERO O CUARTO UTILITARIO

- ☐ Debajo del lavabo: Revise si se acumula agua debajo de las conexiones de cañerías.
- ☐ Lavadora de ropa: Verifique si se acumula agua, pudiendo indicar que hay una fuga en la manguera de suministro.

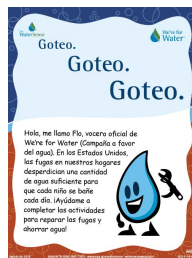
### EN EL SÓTANO O CUARTO UTILITARIO

- ☐ Calentador de agua: Revise debajo del tanque para ver si hay agua acumulada, corrosión u otras señales de fugas.

### NO OLVIDE VER AFUERA

- ☐ En el grifo: Confirme que las conexiones están apretadas en la manguera y vea si hay que cambiar la arandela de la manguera.
- ☐ Sistema de riego automático: Revise si hay regadores rotos o boquillas que apuntan en la dirección incorrecta. Puede tener que consultar con un auditor de sistemas de riego certificado por un programa WaterSense a fin de mejorar la eficiencia del sistema: [www.epa.gov/watersense/find-pro](http://www.epa.gov/watersense/find-pro).

### PARA LOS NIÑOS



Los niños no son solo los líderes del mañana, son los soñadores y participantes activos de hoy. Hay actividades divertidas como "Prueba tu WaterSense" y otras en Flo's Kids Zone en: [www.epa.gov/watersense/watersense-kids](http://www.epa.gov/watersense/watersense-kids).

### EN TODA LA CASA

Revise si hay señales de humedad o moho en las paredes, techos o pisos interiores. Esto podría indicar que hay una cañería haciendo de las suyas a escondidas y esto necesita la atención de un profesional.

Si desea hacer una investigación más detallada en busca de fugas, consulte la Guía de Agua en el Hogar Inteligente para los Usuarios de Agua Municipal de Arizona en [www.smarthomewaterguide.org](http://www.smarthomewaterguide.org).

Si hay algo que cambiar, recuerde buscar la etiqueta WaterSense cuando compre productos de plomería. Los productos de plomería WaterSense están certificados independientemente para usar al menos 20% menos de agua y rendir igual de bien o mejor que los modelos estándar.

Para obtener más información, visite [www.epa.gov/watersense/fix-leak-week](http://www.epa.gov/watersense/fix-leak-week).

### MARQUE CON UNA X SI HAY FUGA



**EXHIBIT 17-B****DRAFT****RESOLUTION NO. 2021-01**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
DECLARING MARCH 15-21, 2021, TO BE “FIX A LEAK WEEK”**

WHEREAS, water is a precious life resource which must be conserved and protected to ensure a healthy and vibrant community; and

WHEREAS, the Monterey Peninsula has severe water use restrictions on its two sources of supply, the Carmel River and the Seaside Groundwater Basin; and

WHEREAS, residents of the Monterey Peninsula are among the lowest water consumers in the state, but protection of our limited water resources requires additional water conservation be achieved; and

WHEREAS, on average, household water leaks can account for 10,000 gallons of water wasted each year, which is enough to fill a small swimming pool. In addition, minor residential water leaks account for more than one trillion gallons of water wasted in U.S. homes annually; and

WHEREAS, correcting easily fixed leaks in the home is not only good for our water supply and environment, it helps the residents of the Monterey Peninsula reduce their water usage and save money; and

WHEREAS, do-it-yourself fixes such as replacement of worn faucet washers and gaskets, leaky toilet flappers, garden hoses and loose spigots can save significant amounts of water; and

WHEREAS, to remind water users to check their household and business plumbing fixtures and irrigation systems for leaks, the United States Environmental Protection Agency’s WaterSense program initiated a national Fix a Leak Week for the week of March 15-21, 2021; and

WHEREAS, the Monterey Peninsula Water Management District promotes water conservation, water use efficiency and the elimination of water waste.

**NOW, THEREFORE BE IT RESOLVED** by the Board of Directors of the Monterey Peninsula Water Management District that March 15-21, 2021, shall be declared “Fix a Leak Week.”

On a motion by Director \_\_\_\_\_ and seconded by Director \_\_\_\_\_ the foregoing resolution is duly adopted this 25<sup>th</sup> day of February 2021, by the following votes:

Ayes:

Nays:

Absent:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 25th day of February 2021.

Witness my hand and seal of the Board of Directors this \_\_\_\_ day of \_\_\_\_\_, 2021.

---

David J. Stoldt, Secretary to the Board

**ITEM: ACTION ITEM****18. CONSIDER ADOPTION OF AMENDMENT TO THE REPORT “SUPPLY AND DEMAND FOR WATER ON THE MONTEREY PENINSULA” ADOPTED IN MAY 2020, TO REFLECT THE 2022 AMBAG REGIONAL GROWTH FORECAST****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David J. Stoldt,  
General Manager **Program/  
Line Item No.:** N/A**Prepared By:** David J. Stoldt **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378

**SUMMARY:** The AMBAG regional growth forecast projects the region's population, housing and employment. The growth forecast is used to support regional planning efforts such as the Regional Travel Demand Model and the Metropolitan Transportation Plan as well as local planning such as the development of General Plans and project review. However, use of the forecast by local land-use planning agencies is elective.

Developing population, housing and employment forecast estimates for the Monterey Bay region consists of two distinct stages. The first stage is the identification of regional and county level forecast figures through the use of widely accepted forecasting methodologies. The second stage is the disaggregation of county-level forecast numbers to the jurisdictional level.

The 2018 Regional Growth Forecast was adopted at the AMBAG Board of Directors Meeting on June 13, 2018. The District utilized the 2018 AMBAG Regional Growth Forecast as an objective third-party scenario for the forecasting of water demand on the Monterey Peninsula in its “Supply and Demand for Water on the Monterey Peninsula” adopted by the Board in May 2020 (**Exhibit 18-C**).

The 2022 Regional Growth Forecast was accepted for planning purposes by the AMBAG Board of Directors on November 18, 2020 (**Exhibit 18-B**). The 2022 Regional Growth Forecast is scheduled to be formally adopted by the AMBAG Board of Directors in June 2022.

**Exhibit 18-A** summarizes the updated 2022 Regional Growth Forecast’s impact on future water demand.

**EXHIBITS****18-A** Analysis of Water Required for AMBAG 2022 Regional Growth Forecast**18-B** AMBAG 2022 Regional Growth Forecast**18-C** “Supply and Demand for Water on the Monterey Peninsula” report, adopted May 2020



**EXHIBIT 18-A**

Amendment #1 to the Report “Supply and Demand for Water on the Monterey Peninsula”  
Adopted May 2020

**Water Required to Meet  
AMBAG 2022 Regional Growth Forecast**

**Water Required for Population Growth<sup>1</sup>**

	Monterey	Pacific Grove	Carmel-by-the-Sea	Sand City	Seaside	Del Rey Oaks	County <sup>2</sup>	TOTAL
Population in 2020	28,170	15,265	3,949	385	33,537	1,662	8,916	<b>91,884</b>
Population in 2045	29,639	15,817	3,984	1,198	38,316	2,650	9,916	<b>101,520</b>
Increase	1,469	552	35	813	4,779	988	1,000	<b>9,636</b>
GPCD <sup>3</sup>	59.8	59.8	59.8	59.8	59.8	59.8	59.8	<b>59.8</b>
Acre-Feet By 2045	98 AF	37 AF	2 AF	54 AF	320 AF	66 AF	67 AF	<b>644 AF</b>

\*: Likely overstates population growth in Cal-Am service area due to some growth attributable to the Fort Ord build-out.

**Water Required for Employment Growth<sup>4</sup>**

	Monterey	Pacific Grove	Carmel-by-the-Sea	Sand City	Seaside	Del Rey Oaks	County <sup>5</sup>	TOTAL
Jobs in 2020	40,989	8,016	3,566	2,092	10,476	748	4,300	<b>70,187</b>
Jobs in 2045	45,509	8,445	3,915	2,259	11,543	834	4,721	<b>77,226</b>
Increase	11.0%	5.4%	9.8%	8.0%	10.2%	11.5%	9.8%	<b>10.0%</b>
Commercial Consumption In 2019 <sup>6</sup>	1,371 AF	248 AF	203 AF	54 AF	282 AF	21 AF	651 AF	<b>2,830 AF</b>
Commercial Consumption In 2045 <sup>7</sup>	1,522 AF	261 AF	223 AF	58 AF	311 AF	23 AF	715 AF	<b>3,113 AF</b>
Increase	151 AF	13 AF	20 AF	4 AF	29 AF	2 AF	64 AF	<b>283 AF</b>

<sup>1</sup> Association of Monterey Bay Area Governments. November 11, 2020. “Final Draft 2022 Subregional Growth Forecast.” Attachment 2, page 32

<sup>2</sup> Uses Cal-Am service area population reported in SWRCB June 2014 – November 2020 Urban Water Supplier Monthly Reports (Raw Dataset), minus urban areas. Estimate 1,000 added by 2045.

<sup>3</sup> SWRCB June 2014 – November 2020 Urban Water Supplier Monthly Reports (Raw Dataset); Average gallons per capita per day for December 2017 – November 2020; [www.waterboard.ca.gov](http://www.waterboard.ca.gov)

<sup>4</sup> Association of Monterey Bay Area Governments. 2018. “2018 Regional Growth Forecast.” Table 7, page 30

<sup>5</sup> California Employment Development Department, Monthly Labor Force Data for Cities and Census Designated Places. November 15, 2019. Sum of Carmel Valley Village CDP and Del Monte Forest CDP. Escalated at same rate as Carmel-by-the-Sea.

<sup>6</sup> Cal-Am. 2019. “Customers and Consumption by Political Jurisdiction”

<sup>7</sup> Assumes escalation at same rate as job growth 2020 to 2045

***Supply v Demand Using 3<sup>rd</sup>-Party 2022 AMBAG Growth Forecast Absorption Rate:*** Rather than to rely on pre-CDO absorption of water demand or alternative theoretical future demand scenarios, as was done in the September 2019 report, it is instructive to instead look at a regional growth forecast by an objective third-party. Here, as shown above, we evaluated AMBAG's 2022 Regional Growth Forecast, specifically the subregional population forecast as a proxy for residential water demand, and the subregional employment forecast, using job growth as a proxy for commercial water demand. (Certainly, other factors could be considered.)

AMBAG implemented an employment-driven forecast model for the first time in the 2014 forecast and contracted with the Population Reference Bureau (PRB) to test and apply the model again for the 2018 Regional Growth Forecast (RGF). To ensure the reliability of the population projections, PRB compared the employment driven model results with results from a cohort-component forecast, a growth trend forecast, and the most recent forecast published by the California Department of Finance (DOF). All four models resulted in similar population growth trends. As a result of these reliability tests, AMBAG and PRB chose to implement the employment-driven model again for the 2018 RGF.<sup>8</sup> The 2020 AMBAG Regional Growth Forecast is described in the November 18, 2020 memorandum, attached.

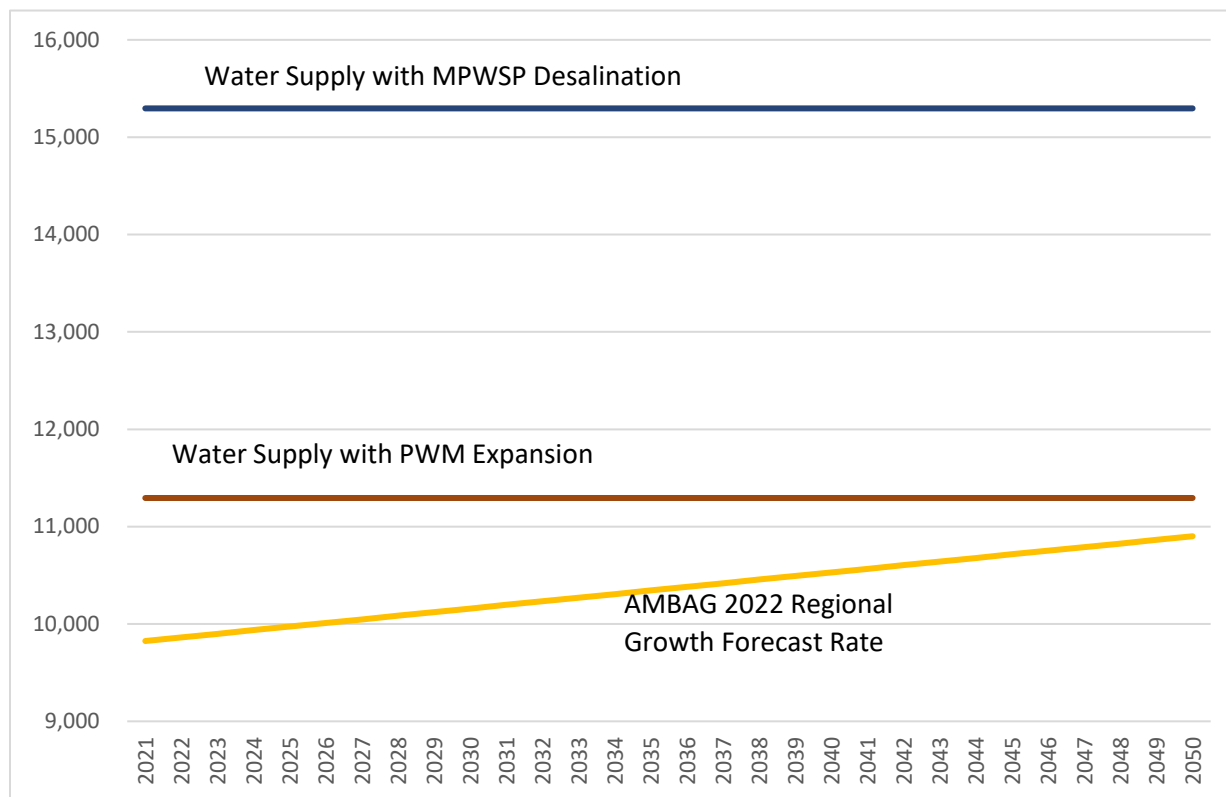
Using this methodology, the total water demand increase in the 25 year period is 927 AF or 37.1 AFY. Applying the 37.1 AFA linearly across a 30-year horizon results in the demands shown in the figure on the next page.

---

<sup>8</sup> 2018 Regional Growth Forecast, Technical Documentation, Association of Monterey Bay Area Governments (AMBAG), June 2018, page 5



Market Absorption of Water Demand Compared to Water Supply  
 Current Demand at 5-Year Average thru 2019  
 AMBAG 2022 Regional Growth Forecast  
 (Acre-Feet)



This chart shows that, assuming a starting current demand at the 5-year average (inclusive of water year 2019), both water supply alternatives meet 30-year market absorption at the AMBAG 2022 Regional Growth Forecast rate, but Pure Water Monterey Expansion is more appropriately sized.

**Principal Conclusions – AMBAG 2022 Regional Growth Forecast Analysis**

- Either supply option can meet the long-term needs of the Monterey Peninsula, but desalination may have significant excess capacity.
- Either supply option is sufficient to lift the CDO



**MEMORANDUM**

**TO:** AMBAG Board of Directors

**FROM:** Maura F. Twomey, Executive Director

**RECOMMENDED BY:** Heather Adamson, Director of Planning

**SUBJECT:** Final 2022 Regional Growth Forecast

**MEETING DATE:** November 18, 2020

**RECOMMENDATION:**

The Board of Directors is asked to accept the final 2022 Regional Growth Forecast for planning purposes as part of the continued development of the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy.

**BACKGROUND/DISCUSSION:**

Every four years, AMBAG updates its regional forecast for population, housing and employment to support the development of the Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS), Regional Travel Demand Model and other planning efforts.

The regional growth forecast projects the region's population, employment and housing numbers for the tri-county area of Monterey County, San Benito County and Santa Cruz County. The purpose of the regional growth forecast is to show likely changes in employment, population and housing in the region between 2015 and 2045, based on the most current information available. As growth patterns change over time, the forecast is updated on a regular basis to reflect the most current and accurate information available.

This forecast is used to inform regional and local planning projects such as the MTP/SCS, transportation projects, corridor studies, and economic activity analyses. Results from this forecast are used as inputs in the Regional Travel Demand Model to forecast travel patterns.

In the 2022 RGF for the AMBAG region, employment is expected to grow at a rate slightly lower than the rate predicted in the 2018 RGF, and population is expected to grow more slowly.

### **Recent Updates**

In March 2020, the Board accepted a preliminary draft RGF for planning purposes and directed staff to begin the disaggregation at the jurisdiction level. Since that time, the California Department of Finance issued revised population and housing estimates. The updated estimates, which now provide data through 2020, resulted in a reduction in regional population relative to the base-year inputs that had been used in the RGF accepted in March.

In addition, local review found a discrepancy whereby employment in Soledad at the Salinas Valley State Prison and Correctional Training Facility in Soledad was dramatically underreported in the source data. At the request of the City of Soledad staff, AMBAG staff investigated the discrepancy and found that a correction should be made—adding 2,325 jobs to the city and the region in the base year.

To accommodate this new information, AMBAG and the consultant produced a revised regional growth forecast and subregional allocation that incorporates the revised data. The revised draft forecast was presented to the AMBAG Board of Directors in August 2020.

In August and September, AMBAG and the consultant conducted a series of meetings with local jurisdictions, the Planning Director's Forum, and the AMBAG Board to review the revised forecast. Input from these meetings was used to make minor modifications to some jurisdictions to achieve this final draft forecast.

In October, AMBAG presented the final draft forecast to the Board. There were concerns regarding the forecast numbers for San Benito County and San Juan Bautista. AMBAG staff met with Board members and staff from San Benito County and San Juan Bautista in late October/early November to discuss their concerns. Based on input from these additional meetings, AMBAG updated the county's forecast with the most recent projection from the California Department of Finance. This resulted in minor revisions to Hollister and San Juan Bautista's forecast numbers, as well as substantial revisions to the forecast for unincorporated San Benito County. These revisions have been incorporated into this final draft of the 2022 Regional Growth Forecast.

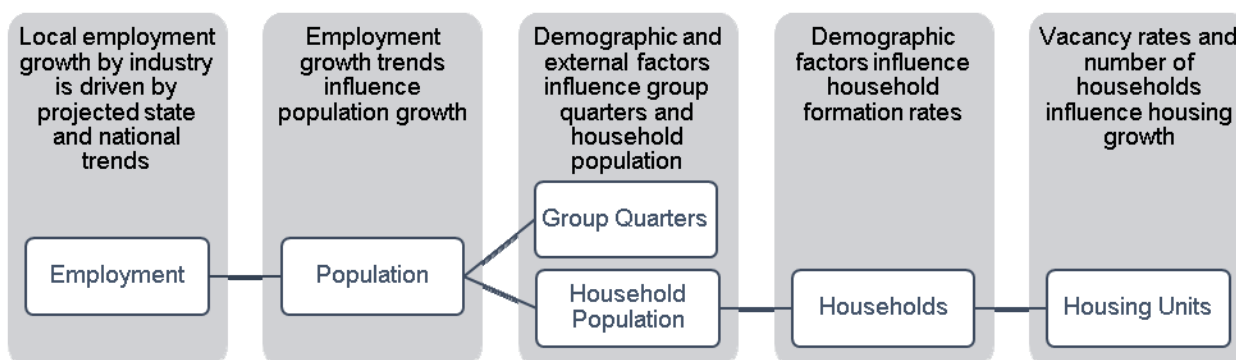
Additionally, a number of comments and questions were raised during the October 14, 2020 Board meeting regarding COVID-19's effect on the forecasting process. At this point, there is no new annual data with which to update the forecast. However, preliminary indicators suggest that trends toward lower births, lower migration, and higher mortality are likely to be more pronounced. These trends may result in even

slower growth, especially in the first five years of the forecast period. Pandemic-related job losses have also been substantial. Data from the California Employment Development Department shows that, comparing September 2020 to September 2019, all major industry sectors have lost jobs, with several sectors falling by 10 percent or more. AMBAG will continue tracking these trends and how they may affect this and future regional plans.

## Methodology

As shown in the flow chart below, the forecast is based on a methodology that predicts employment growth using a model based on local data as well as state and national trends. Population growth is then driven by employment growth. Household and housing growth are driven by population growth, demographic factors, and external factors (explained below). While the methodology for the 2022 RGF remains the same as the prior two forecasts, the models have been updated to include current data, a revised base year of 2015 and a new horizon year of 2045.

## Regional Forecast Process



1. Employment: Employment is measured as the number of jobs by place of work. Employment growth by industry is driven by projected national and statewide trends for all industries in the region using a shift-share model.
2. Population: Population is the total resident population of the region. Job growth trends influence population growth. The forecast of total population is based on historical trends in the ratio of population to employment in the AMBAG region. Projections of demographic characteristics (i.e., population by age, sex, and race/ethnicity) in the 2022 RGF relied on a proportional approach based on demographic projections from the California Department of Finance (DOF).
3. Household Population and Group Quarters: Household population is the population that lives in a housing unit. Group quarters population is the population that lives in a group living arrangement such as a dorm, barracks, correctional institution, or congregational care facility.

Demographic factors (e.g., age, sex, race/ethnicity) and external factors (e.g., major group quarters facilities like colleges and universities, correctional facilities, etc.) influence the household population and group quarters population.

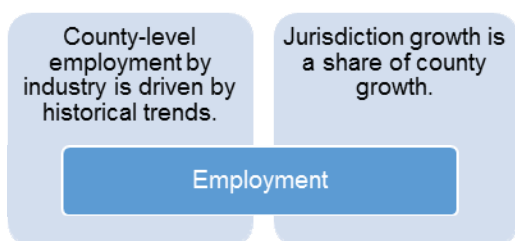
4. Households/Occupied Housing Units: A household is a person, or group of people, living in a house. Because a household, by definition, occupies a housing unit, households are equivalent to and synonymous with occupied housing units.  
Household projections are driven by household formation rates. Household formation rates are calculated as the ratio of households divided by the household population. Household formation rates are the inverse of average household size.
5. Housing Units: Housing is the total number of housing units, including both occupied and vacant structures. Housing includes primary residences, second homes, accessory dwelling units, vacation rentals, farmworker housing, and any other habitable structure—including unauthorized units. The only type of dwelling excluded from the housing inventory is group quarters (dorms, barracks, congregate care, etc.).  
Housing projections are driven by the household population projection, demographic characteristics of the household population (age, sex, race/ethnicity), household formation rates, and housing vacancy rates. Vacancy rates are calculated as the share of all units (including vacation rentals, unauthorized dwellings, etc.) that are not currently occupied.

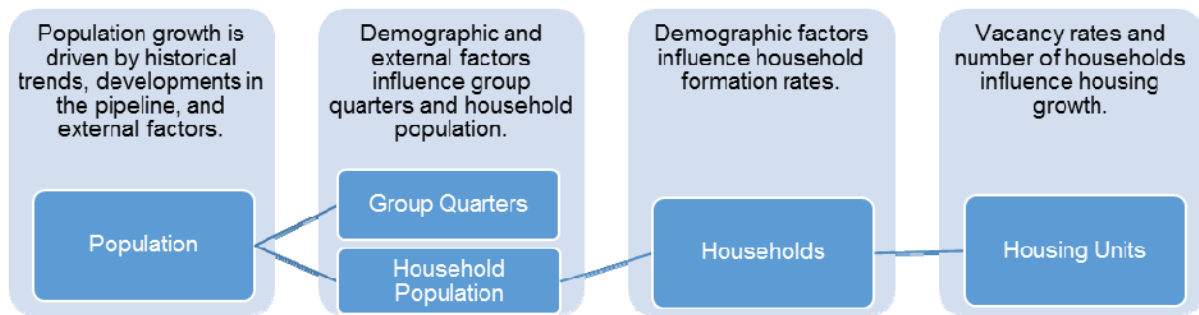
Data sources include the California Department of Finance, California Employment Development Department, Caltrans, U.S. Bureau of Labor Statistics, and U.S. Census Bureau.

### Subregional Allocation Process

Following the preparation of the regional forecast figures, AMBAG staff and the consultant began the process of disaggregating the figures to each of the jurisdictions using historical data to develop a baseline disaggregated forecast.

Unlike the regional forecast, in which employment growth drives population and housing growth, the employment forecast is separate from the population and housing forecast in the subregional allocation. This separation reflects differing economic and demographic forces at the regional and local levels.





**Employment:** For the county-level forecast, employment growth by industry is driven by historical trends (i.e., shift-share model). Total growth across the three counties is constrained by the region-level forecast. For each jurisdiction (cities and unincorporated balance of county), employment growth by industry is a constant share of the jurisdiction’s parent county’s growth in that industry.

**Population:** The jurisdiction level forecast is driven by three factors:

1. Historical trends (i.e. shift-share model)
2. Anticipated future developments such as housing projects under development that are likely to be occupied within the forecast horizon
3. External factors (e.g. universities, military, correctional facilities)

Each county’s population forecast is a sum of the jurisdiction-level forecasts. All levels (county, city, unincorporated area) are constrained by the region-level forecast.

**Household Population and Households:** Demographic factors (e.g. age, race/ethnicity) and external factors (e.g. major group quarters facilities like colleges and universities, correctional facilities, etc.) influence the household population and household formation rates (i.e. the number of people per household).

**Housing Units:** Vacancy rates and the number of households influence housing growth.

Data sources include the California Department of Finance, California Employment Development Department, InfoUSA and the U.S. Census Bureau.

This process resulted in a draft forecast at the jurisdictional level that was used for discussion purposes with staff at each of the cities and counties within the region. In addition to the cities and counties, AMBAG staff met with staff from the University of California, Santa Cruz and California State University, Monterey Bay to discuss the results. Adjustments were made to the draft forecast based on these meetings to incorporate growth on the basis of planned developments, specific and General Plan research and economic development plans. These efforts resulted in a final draft forecast.

The revised final draft growth forecast figures, including subregional allocations, are included as Attachments 1 and 2 respectively.

To date, AMBAG staff has conducted 74 one-on-one meetings with the local jurisdictions, the Local Agency Formation Commissions and both major universities during the forecasting process. These one-on-one meetings occurred between August 2019 and November 2020. In addition, AMBAG discussed the regional growth forecast estimates, subregional allocations, and recent trends at the Planning Directors Forum in August 2019, January 2020, and August 2020. A list of the forecast one-on-one meetings is included as Attachment 3.

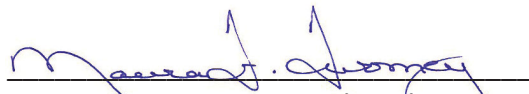
### **Next Steps**

Following acceptance of the Final Draft 2022 Regional Growth Forecast for planning purposes, AMBAG will work with the local jurisdictions to update the traffic analysis zones (TAZs) in the Regional Travel Demand Model. The technical documentation of the 2022 Regional Growth Forecast will also be prepared. This will allow the continued development of the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy to remain on schedule.

### **ATTACHMENTS:**

1. Final Draft 2022 Regional Growth Forecast Summary
2. Final Draft 2022 Subregional Growth Forecast Summary
3. 2022 Regional Growth Forecast One-On-One Meetings

### **APPROVED BY:**

  
Maura F. Twomey, Executive Director



## Attachment 1: Final Draft 2022 Regional Growth Forecast Summary

### Historical and Forecast Jobs, Population, and Housing, 2000-2045

	Historical					Final Draft 2022 Regional Growth Forecast				
	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045
<b>Jobs (total, all industries)</b>	<b>354,535</b>	<b>359,435</b>	<b>351,735</b>	<b>377,335</b>	<b>406,280</b>	<b>410,017</b>	<b>418,132</b>	<b>425,845</b>	<b>434,147</b>	<b>442,824</b>
Agriculture (field work)	28,586	30,557	32,644	36,587	40,066	40,091	40,211	40,339	40,468	40,597
Manufacturing	22,831	19,085	16,348	17,656	19,728	19,802	19,916	20,016	20,120	20,224
Site-based Skilled Trade	39,650	41,048	33,921	38,116	42,895	43,741	44,852	45,637	46,635	47,682
Wholesale	25,383	26,834	27,852	30,553	33,283	32,768	33,169	33,477	33,784	34,096
Retail	44,257	43,481	40,613	43,261	42,080	42,205	42,530	43,018	43,509	44,009
Financial & Prof. Serv.	42,237	38,970	35,496	35,988	37,135	37,434	38,498	39,619	40,760	41,911
Education	23,873	25,243	26,601	27,125	29,875	30,070	30,737	31,403	32,194	33,084
Health Care & Social Assist.	32,619	36,119	39,919	43,619	47,358	48,886	50,189	51,529	52,918	54,373
Other Services	55,024	55,657	54,683	61,875	68,516	69,056	71,222	73,227	75,249	77,289
Public	25,798	26,630	27,199	26,980	29,651	29,799	30,238	30,662	31,229	31,900
Self-employed	14,277	15,811	16,459	15,575	15,693	16,165	16,570	16,918	17,281	17,659
<b>Population</b>	<b>710,598</b>	<b>719,561</b>	<b>732,708</b>	<b>762,241</b>	<b>774,729</b>	<b>800,726</b>	<b>824,992</b>	<b>842,189</b>	<b>857,828</b>	<b>869,776</b>
Household Population	680,087	687,644	700,207	728,352	740,321	763,380	784,511	799,310	811,954	822,824
Group Quarters	30,511	31,917	32,501	33,889	34,408	37,346	40,481	42,879	45,874	46,952
<b>Households</b>	<b>228,260</b>	<b>234,869</b>	<b>236,059</b>	<b>238,862</b>	<b>243,863</b>	<b>253,106</b>	<b>262,493</b>	<b>269,175</b>	<b>273,462</b>	<b>276,730</b>
Avg Household Size	3.0	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
<b>Housing</b>	<b>247,080</b>	<b>256,467</b>	<b>260,256</b>	<b>262,660</b>	<b>267,812</b>	<b>277,645</b>	<b>288,386</b>	<b>296,352</b>	<b>301,307</b>	<b>304,900</b>
Vacancy Rate	7.6%	8.4%	9.3%	9.1%	8.9%	8.8%	9.0%	9.2%	9.2%	9.2%

#### Sources:

Jobs: Data for 2000-2019 from California Employment Development Department, InfoUSA, and AMBAG. Forecast data 2020-2045 are from AMBAG and PRB.

Population, Households, Housing: Data for 2000 and 2010 reflect decennial Census counts as of April 1 of each year. Data for 2005, 2015, and 2020 are from the California Department of Finance E-5 and E-8 population and housing estimates and reflect values as of January 1 of each year. Forecast data are from AMBAG and PRB and reflect values as of January 1 of each year.

**Historical and Forecast Jobs, Population, and Housing, with Change Over Time, 2000-2045**

	Historical					Final Draft 2022 Regional Growth Forecast				
	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045
<b>Jobs (total, all industries)</b>	<b>354,535</b>	<b>359,435</b>	<b>351,735</b>	<b>377,335</b>	<b>406,280</b>	<b>410,017</b>	<b>418,132</b>	<b>425,845</b>	<b>434,147</b>	<b>442,824</b>
Change from Prior Period		4,900	-7,700	25,600	28,945	3,737	8,115	7,713	8,302	8,677
% Change from Prior Period		1%	-2%	7%	8%	1%	2%	2%	2%	2%
<b>Population</b>	<b>710,598</b>	<b>719,561</b>	<b>732,708</b>	<b>762,241</b>	<b>774,729</b>	<b>800,726</b>	<b>824,992</b>	<b>842,189</b>	<b>857,828</b>	<b>869,776</b>
Change from Prior Period		8,963	13,147	29,533	12,488	25,997	24,266	17,197	15,639	11,948
% Change from Prior Period		1%	2%	4%	2%	3%	3%	2%	2%	1%
<b>Housing</b>	<b>247,080</b>	<b>256,467</b>	<b>260,256</b>	<b>262,660</b>	<b>267,812</b>	<b>277,645</b>	<b>288,386</b>	<b>296,352</b>	<b>301,307</b>	<b>304,900</b>
Change from Prior Period		9,387	3,789	2,404	5,152	9,833	10,741	7,966	4,955	3,593
% Change from Prior Period		4%	1%	1%	2%	4%	4%	3%	2%	1%

**Sources:**

Jobs: Data for 2000-2019 from California Employment Development Department, InfoUSA, and AMBAG. Forecast data 2020-2045 are from AMBAG and PRB.

Population, Households, Housing: Data for 2000 and 2010 reflect decennial Census counts as of April 1 of each year. Data for 2005, 2015, and 2020 are from the California Department of Finance E-5 and E-8 population and housing estimates and reflect values as of January 1 of each year. Forecast data are from AMBAG and PRB and reflect values as of January 1 of each year

## Attachment 2: Final Draft 2022 Subregional Growth Forecast

### AMBAG Region and Jurisdictions

	POPULATION								Change 2015-2045	
	2010	2015	2020	2025	2030	2035	2040	2045	Numeric	%
<b>AMBAG Region</b>	732,708	762,241	774,729	800,726	824,992	842,189	857,828	869,776	107,535	14%
<b>Monterey County</b>	<b>415,057</b>	<b>430,310</b>	<b>441,143</b>	<b>452,761</b>	<b>467,068</b>	<b>476,028</b>	<b>483,884</b>	<b>491,443</b>	<b>61,133</b>	<b>14%</b>
Carmel-By-The-Sea	3,722	3,854	3,949	3,946	3,954	3,964	3,974	3,984	130	3%
Del Rey Oaks	1,624	1,663	1,662	1,693	1,734	1,859	2,330	2,650	987	59%
Gonzales	8,187	8,441	8,506	9,650	13,492	14,630	15,398	15,711	7,270	86%
Greenfield	16,330	17,172	18,284	19,342	19,734	19,961	20,202	20,433	3,261	19%
King City	12,874	13,736	14,797	15,376	16,101	16,689	16,881	17,064	3,328	24%
Marina	19,718	21,057	22,321	23,723	25,126	26,713	28,433	30,044	8,987	43%
Marina balance	19,084	20,037	21,371	22,293	22,841	23,238	23,768	24,237	4,200	21%
CSUMB	634	1,020	950	1,430	2,285	3,475	4,665	5,807	4,787	469%
Monterey	27,810	28,086	28,170	28,044	28,650	29,032	29,342	29,639	1,553	6%
Monterey balance	23,583	24,095	24,749	24,623	25,229	25,611	25,921	26,218	2,123	9%
DLI & Naval Postgrad	4,227	3,991	3,421	3,421	3,421	3,421	3,421	3,421	-570	-14%
Pacific Grove	15,041	15,460	15,265	15,290	15,395	15,530	15,676	15,817	357	2%
Salinas	150,441	158,059	162,222	166,226	170,459	173,393	175,358	177,128	19,069	12%
Sand City	334	361	385	430	516	756	1,012	1,198	837	232%
Seaside	33,025	33,815	33,537	34,497	35,107	35,634	36,582	38,316	4,501	13%
Seaside balance	26,836	25,835	26,345	27,285	27,850	28,317	29,205	30,881	5,046	20%
Fort Ord	4,473	4,163	3,083	3,083	3,083	3,083	3,083	3,083	-1,080	-26%
CSUMB	1,716	3,817	4,109	4,129	4,174	4,234	4,294	4,352	535	14%
Soledad	25,738	24,597	25,301	26,112	26,824	27,697	28,419	29,133	4,536	18%
Soledad balance	15,690	16,298	17,190	18,001	18,713	19,586	20,308	21,022	4,724	29%
SVSP & CTF	10,048	8,299	8,111	8,111	8,111	8,111	8,111	8,111	-188	-2%
Balance Of County	100,213	104,009	106,744	108,432	109,976	110,170	110,277	110,326	6,317	6%
<b>San Benito County</b>	<b>55,269</b>	<b>58,138</b>	<b>62,353</b>	<b>69,324</b>	<b>73,778</b>	<b>77,638</b>	<b>80,788</b>	<b>83,366</b>	<b>25,228</b>	<b>43%</b>
Hollister	34,928	37,314	40,646	42,604	43,327	44,421	45,345	45,599	8,285	22%
San Juan Bautista	1,862	1,945	2,112	2,269	2,315	2,374	2,410	2,436	491	25%
Balance Of County	18,479	18,879	19,595	24,451	28,136	30,843	33,033	35,331	16,452	87%
<b>Santa Cruz County</b>	<b>262,382</b>	<b>273,793</b>	<b>271,233</b>	<b>278,641</b>	<b>284,146</b>	<b>288,523</b>	<b>293,156</b>	<b>294,967</b>	<b>21,174</b>	<b>8%</b>
Capitola	9,918	10,224	10,108	10,485	10,794	10,957	11,049	11,126	902	9%
Santa Cruz	59,946	64,223	64,424	68,845	72,218	75,257	78,828	79,534	15,311	24%
Santa Cruz balance	43,614	46,947	45,324	47,845	49,118	49,957	50,828	51,534	4,587	10%
UCSC	16,332	17,276	19,100	21,000	23,100	25,300	28,000	28,000	10,724	62%
Scotts Valley	11,580	11,946	11,693	11,718	11,837	11,867	11,868	12,010	64	1%
Watsonville	51,199	52,410	51,515	52,918	54,270	55,138	55,786	56,344	3,934	8%
Balance Of County	129,739	134,990	133,493	134,675	135,027	135,304	135,625	135,953	963	1%

## Attachment 2: Final Draft 2022 Subregional Growth Forecast

### AMBAG Region and Jurisdictions

	HOUSING								Change 2015-2045	
	2010	2015	2020	2025	2030	2035	2040	2045	Numeric	%
AMBAG Region	260,256	262,660	267,812	277,645	288,386	296,352	301,307	304,900	42,240	16%
<b>Monterey County</b>	<b>137,910</b>	<b>139,177</b>	<b>141,764</b>	<b>146,716</b>	<b>153,852</b>	<b>159,100</b>	<b>162,612</b>	<b>165,328</b>	<b>26,151</b>	<b>19%</b>
Carmel-By-The-Sea	3,417	3,417	3,437	3,437	3,442	3,450	3,453	3,459	42	1%
Del Rey Oaks	741	741	741	762	809	848	1,052	1,195	454	61%
Gonzales	1,989	1,987	1,987	2,399	3,630	4,182	4,474	4,626	2,639	133%
Greenfield	3,752	3,794	3,981	4,359	4,766	5,047	5,164	5,238	1,444	38%
King City	3,218	3,283	3,432	3,672	4,002	4,282	4,356	4,403	1,120	34%
Marina	7,200	7,334	7,784	8,277	8,837	9,265	9,521	9,693	2,359	32%
Marina NSP	7,200	7,334	7,784	8,277	8,832	9,205	9,445	9,617	2,283	31%
CSUMB (portion)	0	0	0	0	5	60	76	76	76	--
Monterey	13,584	13,637	13,705	13,705	13,920	14,209	14,402	14,549	912	7%
Monterey NSP	13,152	13,205	13,273	13,273	13,488	13,777	13,970	14,117	912	7%
Defence Lang. Inst. & Nav	432	432	432	432	432	432	432	432	0	0%
Pacific Grove	8,169	8,184	8,201	8,214	8,267	8,336	8,400	8,463	279	3%
Salinas	42,651	43,001	43,411	45,552	48,673	50,968	52,229	53,150	10,149	24%
Sand City	145	176	189	198	228	333	446	526	350	199%
Seaside	10,872	10,913	10,920	11,437	11,925	12,248	12,604	13,192	2,279	21%
Seaside NSP	9507	8908	8,942	9,429	9,888	10,190	10,531	11,107	2,199	25%
Fort Ord (portion)	1,119	1,119	1,119	1,119	1,119	1,119	1,119	1,119	0	0%
CSUMB (portion)	246	886	859	889	918	939	954	966	80	9%
Soledad	3,876	3,927	4,137	4,433	4,733	5,024	5,240	5,426	1,499	38%
Soledad NSP	3,876	3,927	4,137	4,433	4,733	5,024	5,240	5,426	1,499	38%
SVSP & CTF	0	0	0	0	0	0	0	0	0	--
Balance Of County	38,296	38,783	39,839	40,271	40,620	40,908	41,271	41,408	2,625	7%
<b>San Benito County</b>	<b>17,870</b>	<b>18,262</b>	<b>19,913</b>	<b>21,721</b>	<b>23,333</b>	<b>24,773</b>	<b>25,452</b>	<b>25,775</b>	<b>7,513</b>	<b>41%</b>
Hollister	10,401	10,757	11,917	12,501	13,177	13,701	14,054	14,122	3,365	31%
San Juan Bautista	745	750	819	878	918	951	965	975	225	30%
Balance Of County	6,724	6,755	7,177	8,342	9,238	10,121	10,433	10,678	3,923	58%
<b>Santa Cruz County</b>	<b>104,476</b>	<b>105,221</b>	<b>106,135</b>	<b>109,208</b>	<b>111,201</b>	<b>112,479</b>	<b>113,243</b>	<b>113,797</b>	<b>8,576</b>	<b>8%</b>
Capitola	5,534	5,537	5,554	5,786	5,970	6,009	6,017	6,017	480	9%
Balance Of County	23,316	23,535	23,954	24,988	25,578	25,974	26,295	26,525	2,990	13%
Santa Cruz NSP	23,316	23,005	23,424	24,422	24,970	25,342	25,663	25,892	2,887	13%
UCSC (portion)	0	530	530	566	608	632	632	633	103	19%
Scotts Valley	4,610	4,691	4,739	4,798	4,846	4,869	4,887	4,930	239	5%
Watsonville	14,089	14,131	14,226	14,829	15,629	16,108	16,347	16,519	2,388	17%
Balance Of County	56,927	57,327	57,662	58,807	59,178	59,519	59,697	59,806	2,479	4%

Note: Housing forecast for universities reflects housing demand unmet by dorms, not necessarily housing units on campus.

## Attachment 2: Final Draft 2022 Subregional Growth Forecast

### AMBAG Region and Jurisdictions

	EMPLOYMENT								Change 2015-2045	
	2010	2015	2020	2025	2030	2035	2040	2045	Numeric	%
<b>AMBAG Region Total</b>	<b>351,735</b>	<b>377,335</b>	<b>406,280</b>	<b>410,017</b>	<b>418,132</b>	<b>425,845</b>	<b>434,147</b>	<b>442,824</b>	<b>65,489</b>	<b>17%</b>
<b>Monterey County</b>	<b>209,152</b>	<b>225,268</b>	<b>243,015</b>	<b>245,054</b>	<b>249,613</b>	<b>253,918</b>	<b>258,553</b>	<b>263,437</b>	<b>38,169</b>	<b>17%</b>
Carmel-By-The-Sea		3,353	3,566	3,593	3,674	3,752	3,833	3,915	562	17%
Del Rey Oaks		705	748	753	774	794	815	834	129	18%
Gonzales		5,764	6,326	6,382	6,533	6,660	6,788	6,920	1,156	20%
Greenfield		7,227	7,882	7,948	8,061	8,177	8,298	8,423	1,196	17%
King City		7,573	8,195	8,248	8,371	8,511	8,669	8,832	1,259	17%
Marina		6,107	6,548	6,621	6,765	6,899	7,055	7,217	1,110	18%
Monterey		38,133	40,989	41,527	42,506	43,452	44,465	45,509	7,376	19%
Pacific Grove		7,470	8,016	8,061	8,152	8,244	8,343	8,445	975	13%
Salinas		73,009	78,874	79,577	81,079	82,505	84,044	85,683	12,674	17%
Sand City		1,966	2,092	2,102	2,151	2,188	2,224	2,259	293	15%
Seaside		9,667	10,476	10,589	10,833	11,062	11,290	11,543	1,876	19%
Soledad		8,532	9,010	9,079	9,161	9,235	9,333	9,462	930	11%
Unincorporated Monterey		55,762	60,293	60,574	61,553	62,439	63,396	64,395	8,633	15%
<b>San Benito County</b>	<b>20,260</b>	<b>21,631</b>	<b>23,263</b>	<b>23,572</b>	<b>24,203</b>	<b>24,802</b>	<b>25,475</b>	<b>26,126</b>	<b>4,495</b>	<b>21%</b>
Hollister		14,428	15,492	15,728	16,207	16,655	17,121	17,613	3,185	22%
San Juan Bautista		515	557	569	580	588	603	612	97	19%
Unincorporated San Benito		6,688	7,214	7,275	7,416	7,559	7,751	7,901	1,213	18%
<b>Santa Cruz County</b>	<b>122,323</b>	<b>130,436</b>	<b>140,002</b>	<b>141,391</b>	<b>144,316</b>	<b>147,125</b>	<b>150,119</b>	<b>153,261</b>	<b>22,825</b>	<b>17%</b>
Capitola		11,666	12,250	12,376	12,633	12,902	13,181	13,454	1,788	15%
Santa Cruz		40,840	43,865	44,317	45,594	46,863	48,203	49,636	8,796	22%
Scotts Valley		9,458	10,109	10,185	10,345	10,489	10,637	10,797	1,339	14%
Watsonville		26,403	28,514	28,765	29,156	29,505	29,896	30,303	3,900	15%
Unincorporated Santa Cruz		42,069	45,264	45,748	46,588	47,366	48,202	49,071	7,002	17%

#### Important Note:

Independent rounding results in some cases in which parts do not sum to the total.

#### Data Sources:

Population and Housing: 2010 and 2015 from the California Department of Finance; 2020-2045 Draft 2022 Regional Growth Forecast from AMBAG and the Population Reference Bureau

Employment: 2010 and 2015 from AMBAG based on data from California Employment Development Department and InfoUSA; 2020-2045 Final Draft 2022 Regional Growth Forecast from AMBAG and the Population Reference Bureau

Agency	Meeting Date	Meeting Time	Location	AMBAG Attendees*	Other Attendees*
City of Gonzales	9/3/2019	1:30 PM	147 Fourth Street, Gonzales, CA	Maura Twomey, Heather Adamson and Paul Hierling	Matthew Sundt
City of Hollister	9/10/2019	1:30 PM	375 Fifth Street, Hollister, CA	Maura Twomey, Heather Adamson and Paul Hierling	Abraham Prado and Jamila Saqqa
City of Marina	8/21/2019	11:00 AM	209 Cypress Avenue, Marina, CA	Maura Twomey, Heather Adamson and Paul Hierling	Fred Aegerter, Christy Hopper and Matt Mogensen
City of Salinas	8/28/2019	1:30 PM	65 West Alisal Street, 2nd Floor, Salinas, CA	Maura Twomey, Heather Adamson and Paul Hierling	Megan Hunter and Adam Garrett
City of Santa Cruz	8/23/2019	1:00 PM	809 Center Street, Room 107, Santa Cruz, CA	Maura Twomey, Heather Adamson and Paul Hierling	Lee Butler
City of Seaside	9/10/2019	11:00 AM	656 Broadway Avenue, Seaside, CA 93955	Heather Adamson and Paul Hierling	Rick Medina
County of Monterey	8/7/2019	4:00 PM	1441 Schilling Pl, 2nd Floor, Salinas, CA	Maura Twomey, Heather Adamson and Paul Hierling	Brandon Swanson and John Dugan
County of Monterey	8/12/2019	3:15 PM	168 West Alisal, 3rd Floor, Salinas, CA	Paul Hierling	Darby Marshall and Anastacia Wyatt
County of San Benito	9/4/2019	1:00 PM	2301 Technology Parkway, Hollister, CA	Maura Twomey, Heather Adamson and Paul Hierling	Harry Mavrogenes, Taven Kinison Brown and Jamila Saqqa
County of Santa Cruz	8/23/2019	3:00 PM	701 Ocean Street, Room 400, Santa Cruz, CA	Maura Twomey, Heather Adamson and Paul Hierling	Kathy Molloy and Stephanie Hansen

\*All attendees were at the meeting in person unless otherwise noted.

Agency	Meeting Date	Time	Location	AMBAG Attendees*	Jurisdiction Attendees*
City of Capitola	2/3/2020	9:30 AM	420 Capitola Ave., Capitola, CA	Heather Adamson	Katie Herlihy
City of Carmel-By-The-Sea	2/5/2020	9:30 AM	AMBAG Office	Maura Twomey, Gina Schmidt, Miranda Taylor	Marnie Waffle
City of Del Rey Oaks	2/13/2020	11:00 AM	650 Canyon Del Rey Blvd, Del Rey Oaks, CA	Heather Adamson and Miranda Taylor	Dino Pick and Denise Duffy
City of Gonzales	2/7/2020	2:00 PM	City of Gonzales, 147 Fourth Street, Gonzales, CA	Heather Adamson	Matthew Sundt
City of Greenfield	3/3/2020	9:00 AM	Greenfield City Hall, 599 El Camino Real, Greenfield, CA	Heather Adamson, Maura Twomey and Miranda Taylor	Paul Mugan
City of Hollister	3/10/2020	2:00 PM	City of Hollister, Development Services, 375 Fifth Street, Hollister, CA 95023	Heather Adamson	Abraham Prado, Jamila Saqqa, Eva Kelly and Ambur Cameron
City of King City	3/10/2020	11:00 AM	City of King City Hall, 212 South Vanderhurst Avenue, King City, CA 93930	Heather Adamson, Maura Twomey and Miranda Taylor	Doreen Liberto-Blanck and Maricruz Aguilar-Navarro
City of Marina	2/26/2020	2:30 PM	City of Marina, Community Depevelopment Dept, 209 Cypress Avenue, Marina, CA	Heather Adamson, Maura Twomey and Miranda Taylor	Christy Hopper and Lisa Berkley
City of Monterey	2/4/2020	1:00 PM	City of Monterey, 580 Pacific Street, Monterey, CA 93940	Heather Adamson, Maura Twomey, Miranda Taylor	Kim Cole
City of Pacific Grove	2/5/2020	11:30 AM	City of Pacific Grove, 300 Forest Avenue, 2nd Floor, Pacific Grove, CA 93950	Maura Twomey, Gina Schmidt, Miranda Taylor	Anastazia Aziz and Alyson Hunter
City of Salinas	3/2/2020	10:00 AM	City of Salinas, 65 West Alisal Street, 2nd Floor, Salinas, CA	Heather Adamson and Miranda Taylor	Megan Hunter and Tara Hullingers
City of San Juan Bautista	2/24/2020	9:00 AM	San Juan Bautista City Hall, 311 2nd Street, San Juan Bautista, CA	Heather Adamson	Don Reynolds and Mary Gilbert (SBtCOG)
City of Sand City	2/11/2020	3:00 PM	Sand City, City Hall, 1 Pendergrass Way, Sand City, CA	Heather Adamson, Maura Twomey, Miranda Taylor	Chuck Pooler and Aaron Blair
City of Santa Cruz	3/9/2020	11:00 AM	City of Santa Cruz, 809 Center Street, Room 107, Santa Cruz, CA	Heather Adamson	Lee Butler, Katherine Donovan and Eric Marlatt
City of Scotts Valley	2/3/2020	11:30 AM	1 Civic Center Drive, Scotts Valley, CA	Heather Adamson	Taylor Bateman
City of Seaside	3/3/2020	2:00 PM	656 Broadway Avenue, Seaside, CA 93955	Heather Adamson, Maura Twomey, Paul Hierling and Miranda Taylor	Kurt Overmeyer, Gloria Stearns and Sharon Mikesell
City of Soledad	2/24/2020	1:30 PM	City of Soledad, City Hall, 248 Main Street, Soledad, CA	Heather Adamson and Miranda Taylor	Brent Slama
City of Watsonville	2/21/2020	10:00 AM	Community Development Dept., 250 Main Street, Watsonville, CA 95076	Heather Adamson	Suzi Merriam and Justin Meek
	2/21/2020	10:00 AM	Community Development Dept., 250 Main Street, Watsonville, CA 95076	Heather Adamson	Suzi Merriam and Justin Meek
County of Monterey	3/17/2020	2:30 PM	GoTo Meeting	Heather Adamson and Paul Hierling	Brandon Swanson
County of San Benito	3/4/2020	3:00 PM	San Benito County - RMA, 2301 Technology Parkway, Hollister, CA	Heather Adamson and Maura Twomey	Harry Mavrogenes and Taven Kinison Brown
County of Santa Cruz	3/9/2020	3:00 PM	County of Santa Cruz, 701 Ocean Street, Room 400, Santa Cruz, CA	Heather Adamson	Kathy Molloy, Paia Levine, Barbara Mason, Stephanie Hansen and Anais Schenk
CSU Monterey Bay	2/5/2020	3:00 PM	2061 Intergarrison Road, Suite 84-A, Seaside, CA	Maura Twomey, Gina Schmidt, Miranda Taylor	Anya Spear and Matt McCluney
Monterey County LAFCO	2/11/2020	1:00 PM	LAFCO Monterey Co., 132 W. Gabilan Street, Suite 102, Salinas, CA 93901	Heather Adamson, Maura Twomey, Miranda Taylor	Kate McKenna
Santa Cruz County LAFCO	2/21/2020	1:00 PM	LAFCO, 701 Ocean Street, Room 318-D, Santa Cruz, CA 95060	Heather Adamson	Joe Serrano
UC Santa Cruz	2/25/2020	10:30 AM	UC Santa Cruz, 1156 High St, Barn G, Santa Cruz, CA 95064	Heather Adamson	Jolie Kerns and Oxo Slayer

\*All attendees were at the meeting in person unless otherwise noted

Agency	Meeting Date	Meeting Time	Location	AMBAG Attendees	Jurisdiction Attendees
City of Capitola	5/19/2020	1:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Katie Herlihy
City of Carmel-By-The-Sea	5/26/2020	1:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Marnie Waffle
City of Del Rey Oaks	6/17/2020	4:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Dino Pick and Denise Duffy
City of Gonzales	5/26/2020	3:00 PM	GoTo Meeting	Heather Adamson, Paul Hierling, and Miranda Taylor	Matthew Sundt
City of Greenfield	6/11/2020	11:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson, and Miranda Taylor	Paul Mugan
City of Hollister	5/29/2020	10:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Abraham Prado, Jamila Saqqa, Eva Kelly and Ambur Cameron from Hollister; Mary Gilbert from SBtCOG. Additionally, various consultants for the Hollister General Plan attended this meeting.
City of King City	6/2/2020	1:00 PM	GoTo Meeting	Heather Adamson and Miranda Taylor	Doreen Liberto-Blanck and Maricruz Aguilar-Navarro
City of Marina	5/28/2020	10:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Christy Hopper and Fred Aegerter
City of Monterey	5/29/2020	1:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Kimberly Cole
City of Pacific Grove	5/19/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Anastazia Aziz, Alyson Hunter and Terri Schaeffer
City of Salinas	6/8/2020	2:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Megan Hunter, Tara Hullinger, and Jonathan Moore
City of San Juan Bautista	6/1/2020	1:30 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Don Reynolds and Mary Gilbert from SBtCOG
City of Sand City	6/17/2020	9:00 AM	GoTo Meeting	Heather Adamson, Paul Hierling, and Miranda Taylor	Chuck Pooler and Aaron Blair
City of Santa Cruz	5/18/2020	9:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Lee Butler, Katherine Donovan, Bonnie Lipscomb, Eric Marlatt and Matt Vanhua
City of Scotts Valley	6/3/2020	1:00 PM	GoTo Meeting	Maura Twomey, HPaul Hierling, and Miranda Taylor	Taylor Bateman
City of Seaside	6/11/2020	4:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Kurt Overmeyer and Gloria Stearns



Agency	Meeting Date	Meeting Time	Location	AMBAG Attendees	Jurisdiction Attendees
City of Soledad	6/16/2020	1:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Brent Slama
City of Watsonville	6/2/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Suzi Merriam and Justin Meek
County of Monterey	6/3/2020	9:00 AM	GoTo Meeting	Maura Twomey, Paul Hierling, and Miranda Taylor	Brandon Swanson, John Dugan and Anastacia Wyatt
County of Monterey	6/29/2020	1:00 PM	GoTo Meeting	Maura Twomey, Paul Hierling, Miranda Taylor and Beth Jarosz (consultant)	Brandon Swanson, John Dugan, Craig Spencer and Anastacia Wyatt
County of San Benito	6/1/2020	9:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Harry Mavrogenes, Taven Kinison Brown and Mary Gilbert from SBtCOG
County of Santa Cruz	5/18/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling, and Miranda Taylor	Paia Levine, Barbara Mason, Anais Schenk, Kathy Molloy, Stephanie Hansen
CSU Monterey Bay	6/16/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling,	Anya Spear, Matt McCluney, and Kathleen Ventimiglia
CSU Monterey Bay	7/10/2020	1:00 PM	GoTo Meeting	Heather Adamson and Beth Jarosz (consultant)	Matt McCluney and Kathleen Ventimiglia
UC Santa Cruz	6/15/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson, Paul Hierling,	Oxo Slayer

Agency	Meeting Date	Meeting Time	Location	AMBAG Attendees	Jurisdiction Attendees
City of Del Rey Oaks	8/25/2020	1:00 PM	GoTo Meeting	Heather Adamson	Dino Pick and Denise Duffy (consultant)
City of Greenfield	9/4/2020	2:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Rob Mullane (consultant) and Paul Mugan
City of Hollister	8/20/2020	11:00 AM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Abraham Prado, Jamila Saqqa, Bryan Swanson, Eva Kelly, Ambur Cameron, Areli Perez and Marian Mendez from Hollister; Mary Gilbert from SBtCOG
City of Hollister	9/4/2020	3:30 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Carol Lenoir
City of King City	8/24/2020	11:00 AM	GoTo Meeting	Maura Twomey and Heather Adamson	Doreen Liberto-Blanck and Maricruz Aguilar-Navarro
City of Marina	8/7/2020	3:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Christy Hopper, Fred Aegerter, Layne Long and Lisa Berkeley
City of Monterey			GoTo Meeting		
City of Pacific Grove	8/7/2020	1:30 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Anastazia Aziz and Terri Schaeffer
City of Salinas	9/8/2020	2:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Megan Hunter and Jonathan Moore
County of Monterey	8/13/2020	3:30 PM	GoTo Meeting	Heather Adamson and Beth Jarosz (consultant)	Brandon Swanson and John Dugan
County of San Benito	8/10/2020	1:00 PM	GoTo Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Harry Mavrogenes, Taven Kinison Brown, Jamila Saqqa, Gary Black (Hexagon), Ollie Zhou (Hexagon), Stan Ketchum (contract planner) and Mary Gilbert from SBtCOG

Agency	Meeting Date	Meeting Time	Location	AMBAG Attendees	Jurisdiction Attendees
City of San Juan Bautista	10/30/2020	9:00 AM	Go To Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	John Freeman, Don Reynolds, and Mary Gilbert from SBtCOG
County of San Benito	10/29/2020	3:00 PM	Go To Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Anthony Botelho, Mark Medina, Taven Kinison Brown, Benny Young, Stan Stan Ketchums, and Mary Gilbert from SBtCOG
County of San Benito	11/2/2020	2:00 PM	Go To Meeting	Maura Twomey, Heather Adamson and Beth Jarosz (consultant)	Benny Young, Taven Kinison Brown, and Mary Gilbert from SBtCOG



## **Supply and Demand for Water on the Monterey Peninsula**

Prepared by David J. Stoldt, General Manager  
Monterey Peninsula Water Management District

FINAL

Adopted May 18, 2020

### **Introduction**

With the approval of the Monterey Peninsula Water Supply Project (MPWSP) in September 2018 and the continued environmental work on Pure Water Monterey (PWM) expansion as a back-up option, it is an opportune time to examine available supplies and their ability to meet current and long-term demand. This memorandum will also look at the changing nature of demand on the Monterey Peninsula, the underlying assumptions in the sizing of the water supply portfolio, and indicators of the market's ability to absorb new demand.

At its September 16, 2019 meeting, the District Board accepted a report titled *"Supply and Demand for Water on the Monterey Peninsula"*, which was Exhibit 9-A of the Board packet. The report was reviewed by members of the public, local organizations, and state agencies. While publicly vetted, only three sets of comments were received: (a) California American Water provided a comment letter October 15, 2019, and (b) The Coalition of Peninsula Businesses provided letters September 15, 2019 and September 24, 2019. All three comment letters argued that the findings in the report contradict those of the California Public Utilities Commission, but the letters did not provide any substantive alternate assumptions or facts. The District's General Manager has encouraged the parties to provide their own forecast of growth and/or market absorption of water demand, but they have failed to do so.

At the November 14, 2019 Coastal Commission hearing former Pacific Grove mayor Bill Kampe did raise two substantive issues regarding the report: (a) pre-Cease and Desist Order (CDO) market absorption of water demand may have been constrained in some jurisdictions due to a lack of water allocation, and (b) new statewide focus on housing will require water.

Additionally, subsequent to the release of the initial report the 2019 water year was completed, providing an additional data point on current customer demand. The report was revised December 3, 2019 to address three items: (i) What is average current demand with the additional water year in the data? (ii) What water will be required to meet future housing needs? And (iii) What might be the market absorption of water based on an objective third-party growth forecast – the Association of Monterey Bay Area Governments (AMBAG) 2018 Growth Forecast? The revisions were presented to the District's Water Demand Committee December 17, 2019 and a revised report was distributed to the Peninsula's six city managers in January.

On January 22, 2020 Hazen & Sawyer, a consultant to Cal-Am, issued an analysis of the District's report, to which the District responded on March 6, 2020.

This FINAL version of the supply and demand report responds to comments made by the public, the city managers, Hazen & Sawyer, and incorporates an additional growth forecast.

## Supply

Available sources of supply are shown in Table 1 below and are described in the discussion that follows. Despite the California Supreme Court's decision to not hear the two petitions for writ of review, there remains the risk of additional legal challenges and not all permits have been issued for California American Water's (Cal-Am) MPWSP desalination plant. For these reasons, supply has been shown with both desalination and with PWM expansion as a back-up.

Table 1  
Monterey Peninsula Available Supply  
(Acre-Feet Annually)

Supply Source	w/ Desalination	w/ PWM Expansion
MPWSP Desalination Plant	6,252	0
Pure Water Monterey	3,500	3,500
PWM Expansion	0	2,250
Carmel River	3,376	3,376
Seaside Basin	774	774
Aquifer Storage & Recovery (ASR)	1,300	1,300
Sand City Desalination Plant	94	94
<b>Total Available Supply</b>	<b>15,296</b>	<b>11,294</b>

There also exists approximately 406 additional acre-feet of other available supplies as discussed below.

*Desalination:* The 6.4 million gallon per day (MGD) MPWSP desalination plant is expected to deliver 6,252 acre-feet annually (AFA).<sup>1</sup> It is likely to begin deliveries in late-2023, considering final permits in mid-2020, a 21-month construction period, and 6-month commissioning and start-up window.<sup>2</sup>

<sup>1</sup> CPUC Decision 18-09-017, September 13, 2018, page 70; Amended Application of California-American Water Company (U210W), Attachment H, March 14, 2016

<sup>2</sup> [www.watersupplyproject.org/schedule](http://www.watersupplyproject.org/schedule)

*Pure Water Monterey:* Monterey One Water's (M1W) project came online in February 2020 and should begin deliveries for customer service of 3,500 AFA to Cal-Am in mid-2020.

*Pure Water Monterey Expansion:* The expansion of Pure Water Monterey is expected to yield 2,250 AFA.<sup>3</sup> The source waters for the expansion are secure: In multiple presentations by the staff of Monterey One Water (M1W)<sup>4</sup> it has been shown that none of the source water for expansion of Pure Water Monterey is speculative, nor comes from Salinas valley sources for which M1W doesn't already have rights. In one example, source water for the expansion would come from ocean discharge from the Regional Treatment Plant (54%), the Reclamation Ditch (5%), Blanco Drain (10%), wastewater outside the prior M1W boundaries (30%), and summer water rights from the County Water Resource Agency (1%). This project could come online by late 2022.

*Carmel River:* Cal-Am has legal rights to 3,376 AFA from the Carmel River comprised of 2,179 AFA from License 11866, 1,137 AFA of pre-1914 appropriative rights, and 60 AFA of riparian rights. This does not include what is referred to as Table 13 rights, discussed under "*Other Available Supplies*" below.

*Seaside Basin:* The 2006 Seaside Groundwater Basin adjudication imposed triennial reductions in operating yield for Standard Producers such as Cal-Am until the basin's Natural Safe Yield is achieved. The last reduction will occur in 2021 and Cal-Am will have rights to 1,474 AFA. However, with the delivery of a long-term permanent water supply, the company would like to begin replacing its accumulated deficit of over-pumping through in-lieu recharge by leaving 700 AFA of its production right in the basin for 25 years. Hence, only 774 AFA is reflected as long-term supply available, although the additional 700 AF becomes available again in the future.

*Aquifer Storage & Recovery:* There are two water rights that support ASR. Permit 20808A allows maximum diversion of 2,426 AFA and Permit 20808C allows up to 2,900 AFA for a total of 5,326 AFA. However, these are maximums that may only be close to being achieved in the wettest of years. Based on long-term historical precipitation and streamflow data, ASR is designed to produce 1,920 AFA on average. The MPWSP assumes a lesser amount of 1,300 AFA to be conservative.

*Sand City Desalination Plant:* The Sand City plant was designed to produce a nominal 300 AFA, but has failed to achieve more than the 276 AF in 2011. Due to source water quality issues and discharge permit requirements the plant has averaged 188 AFA the past four years including water year 2019. The intakes will likely be augmented and production increased (see "*Other*

<sup>3</sup> Notice of Preparation of a Supplemental Environmental Impact Report and Public Scoping Meeting Notice, page 4, May 15, 2019

<sup>4</sup> For example, November 12, 2019 M1W presentation to the Monterey County Farm Bureau and the Grower-Shipper Association and the September 30-2019 M1W board meeting

*Available Supplies*”, below.) Here only the 94 AFA of long-term production legally committed to offset Carmel River pumping is included.

*Other Available Supplies:* In 2013, Cal-Am received Permit 21330 from the State Water Board for 1,488 AFA from the Carmel River. However, the permit is seasonally limited to December 1 through May 31 each year and subject to instream flow requirements. As a result, actual production will vary by water year. Here, we have assumed 300 AFA on average. For the Sand City desalination plant the amount produced in excess of 94 AFA is available for general Cal-Am use and eventually to serve growth in Sand City. With new intakes, we have assumed average production of 200 AFA or 106 AFA of other available supply. There is also available unused capacity in the Seaside Basin which annually is reallocated to the Standard Producers such as Cal-Am as “Carryover Credit” under the adjudication decision. Such Carryover capacity has been on the order of 400 AFA recently. While not insignificant, Carryover Credit has not been included in the 406 AFA of “Other Available Supplies” stated earlier.

### **Historical Water Demand for which MPWSP Desalination Plant is Sized**

The MPWSP was initially sized solely as a replacement supply<sup>5</sup> for current customer demand, but this has changed over time as described below. Consideration was also given to peak month and peak day. Additional demand was recognized to accommodate legal lots of record, a request by the hospitality industry to anticipate a return to occupancy rates similar to that which existed prior to the World Trade Center tragedy, and to shift the buildout of Pebble Beach off the river.<sup>6</sup> Table 2 below shows the demand assumptions originally used in sizing the MPWSP in the April 2012 application to the California Public Utilities Commission (CPUC). Each component is discussed below.

Table 2  
Water Demand Assumed in Sizing the MPWSP  
(Acre-Feet Annually)

Demand Component	Acre-Feet Annually
Average Current Customer Demand	13,290
Legal Lots of Record	1,181
Tourism Bounce-Back	500
Pebble Beach Buildout	325
<b>Total Water Demand</b>	<b>15,296</b>

<sup>5</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, pages 4,5,7

<sup>6</sup> Supplemental Testimony of Richard C. Svindland, January 11, 2013, pages 4-5



*Average Current Customer Demand:* The Application of Cal-Am to the CPUC in April 2012 utilized 13,290 AFA which was the 5-year average demand for 2007-2011.<sup>7</sup> As stated earlier, this was to be replacement supply and the Application stated *“At this point future demands of the Monterey System have not been included in the sizing of the plant.”*<sup>8</sup> At that time, the 5-year average maximum month was 1,388 AF and the highest month was 1,532 AF.<sup>9</sup>

In a January 2013 CPUC filing, average demand was reiterated by Cal-Am to be 13,290 AFA but Cal-Am added that the plant would need to be increased larger by approximately 700 acre-feet per year for the in-lieu recharge of the Seaside Basin.<sup>6</sup> However, as can be seen in comparing Tables 1 and 2 above, supply equals demand at 15,296 AFA without changing the size of the plant from the initial Application.

In a 2016 update to the CPUC, Cal-Am recognized that average demand had declined in the intervening three years.<sup>10</sup> The 5-year average had declined to 10,966 AFA and the maximum month declined to 1,250 AF. At the time of the 2016 update, Cal-Am suggested that it should size the plant based on the backward-looking 10-year average demand and maximum month, instead of the 5-year average in the original Application, as well as several alternate assumptions about return of water to the Salinas Valley. They concluded *“we do not believe the size of the plants should be changed.”*<sup>11</sup>

In a September 2017 filing to the CPUC, Cal-Am acknowledged continuing declines in demand, but indicated that the plant sizing remained appropriate saying *“We anticipate demand to rebound over time after these new water supplies are available, the drought conditions continue to subside, the moratorium on new service connections is lifted, and strict conservation and water use restrictions are eased.”*<sup>12</sup> The company also for the first time introduced the use of future population and demand as a way to “normalize” the average demand used in sizing, a departure from the “replacement supply” basis under the initial Application in 2012.<sup>13</sup> This resulted in their estimate of average “current” system demand of 12,350 AFA. This amount, combined with the same lots of record, tourism bounce-back, and Pebble Beach buildout results in demand of 14,355 AFA – a reduction from the initial Application – but the company asserted that the plant need not be resized because this would allow it to run at 86% capacity, a more reasonable operating rate compared to the 95% posed in the original Application.

---

<sup>7</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, page 21

<sup>8</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, page 36

<sup>9</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, page 22

<sup>10</sup> Supplemental Testimony of Richard C. Svindland, April 14, 2016 (Errata), pages 7-11

<sup>11</sup> Supplemental Testimony of Richard C. Svindland, April 14, 2016 (Errata), page 9

<sup>12</sup> Direct Testimony of Ian Crooks Errata Version, September 27, 2017, page 10

<sup>13</sup> Direct Testimony of Ian Crooks Errata Version, September 27, 2017, pages 11-13

The CPUC, in its September 2018 Decision, agreed that “current” demand was 12,350 AFA, therefore the 6.4 MGD desalination plant is warranted. In its Decision D.18-09-017 the CPUC stated “*we are convinced that 12,350 afy represents an appropriate estimate of annual demand to use in assessing the adequacy of Cal-Am’s water supply...*”<sup>14</sup> It is important to understand that the CPUC did no original analysis, modeling, or projection of its own. It surveyed testimony provided by others and chose one to support its findings and recommendations. It should not be represented that that the CPUC developed demand numbers on its own.

*Legal Lots of Record:* The 2012 Application to the CPUC also included 1,181 AFA for Legal Lots of Record.<sup>15, 6</sup> Legal lots of record are defined as lots resulting from a subdivision of property in which the final map has been recorded in cities and towns, or in which the parcel map has been recorded in Parcels and Maps or Record of Surveys. Lots of record may include vacant lots on vacant parcels, vacant lots on improved parcels, and also included remodels on existing improved, non-vacant parcels. Ultimately, not all legal lots are buildable. While the District is the source of the 1,181 AFA estimated demands for the lots of record, the number was lifted from the 2009 Coastal Water Project environmental impact report.

*Tourism Bounce-Back:* The 500 AFA for economic recovery was originally proffered by the hospitality industry to handle a recovery of occupancy rates in the tourist industry in a post-World Trade Center tragedy setting.<sup>16, 6</sup> The industry felt that their most successful occupancy rates were in the three years prior to September 11, 2001 and felt 500 AFA would provide a buffer for a return to that level.

*Pebble Beach Buildout:* Ever since the State Water Board issued Order 95-10 and the Cease and Desist Order (CDO) it has recognized the Pebble Beach Company’s investment in the Reclamation Project and the Company’s right to serve its entitlements from the Carmel River. However, the State Water Board has stated a desire to have the Pebble Beach entitlements shifted away from the river and be satisfied by a new supply. At the time of the 2012 Application, the Pebble Beach company had approximately 325 AF of entitlements still available.

## **Water Demand Assumptions in 2020**

The original MPWSP desalination project plant sizing was done eight years ago in 2012. With the passage of time and the opportunity to perform deeper research, it is possible to revisit the assumptions about consumer demand for water in the current context.

---

<sup>14</sup> CPUC D.18-09-017, page 49, lines 1-2.

<sup>15</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, pages 22, 37.

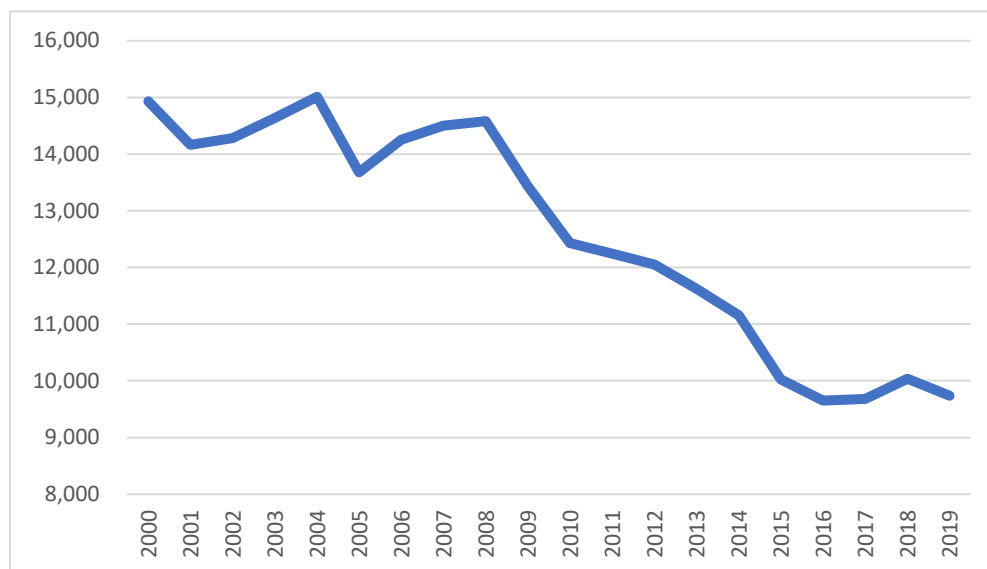
<sup>16</sup> Direct Testimony of Richard C. Svindland, April 23, 2012, page 37

It states in Decision 18-09-017 *“The Commission similarly evaluated all of the evidence presented along with arguments of the parties and determines that Cal-Am’s future water demand will be approximately 14,000 afy”*<sup>17</sup> However, no evidence was presented to determine if tourism “bounce-back” had already occurred, whether water efficiency gains would reduce the water demand of legal lots of record, or if the Pebble Beach Company could realistically build out its whole entitlement in a reasonable timeframe. Neither the CPUC, Cal-Am, nor Hazen & Sawyer evaluated the market absorption for new demand, which would answer the question: How soon will we get there? This MPWMD report simply takes a deeper look at the data behind these questions: How much will we need in the future? And How soon will we get there?

**Average Current Customer Demand:** The Cal-Am testimony submitted in support of the 12,350 AFA value used data that ended in 2016 and the company discounted the value of 2016 by incorrectly stating it was a drought year, which it was not on the Monterey Peninsula.<sup>18</sup> Hence, there are now three additional years of data (four if you do not discount 2016) since that used to develop the 12,350 AFA value.

Figure 1 below shows water production for customer service, a proxy for customer demand, for the past twenty-one-year period, updated for 2019 data. As can be seen, demand has been in decline, but somewhat leveled out over the past five years.

Figure 1  
Annual Water Production for Customer Service (Demand)  
Last 21 Years  
(Acre-Feet)



<sup>17</sup> CPUC Decision 18-09-017, page 68, line 1

<sup>18</sup> Direct Testimony of Ian Crooks, Errata Version, in A.12-04-019, September 27, 2107, page 10, at line 22.

Table 3 shows how the 10-, 5-, and 3-year average demand compares to the CPUC and Cal-Am's most recent 12,350 AFA assumption.

Table 3  
Alternate Average Current Customer Demand Assumptions  
Updated for 2019 Water Year  
(Acre-Feet)

Period	Amount	Difference to CPUC/Cal-Am #
CPUC/Cal-Am Assumption	12,350	
10-Year Average - Actual	10,863	1,487
5-Year Average - Actual	9,825	2,525
3-Year Average - Actual	9,817	2,533

Hence, the case could be made that the average customer demand assumption in the sizing of new water supply should be 9,817 to 10,863 AFA.

The trend is similar for peak month demand: 10-year maximum month through 2018 was 1,111 AF, the 5-year max was 966 AF, and the 3-year max was 950 AF. By comparison, the maximum month at the time the plant was first sized was 1,532 AF. The proposed desalination plant, in conjunction with the other production facilities can meet peak month/peak day requirements. Pure Water Monterey expansion adds 4 new extraction wells, two for production and two for redundancy. Preliminary analysis (see Appendix C) shows that peak month/peak day can also be met with Pure Water Monterey expansion.

Cal-Am itself has moved away from the 12,350 AFA number as a measure of current water demand in its current General Rate Case (GRC) application. As shown in the table below, Cal-Am now asserts in the GRC that its total water production for 2021 and 2022 from the Central Division will be 9,789 AFA,<sup>19</sup> which includes the Cal-Am Main System plus its satellites (generally thought to be 4-5% greater in total demand than the Cal-Am Main system.) This validates MPWMD's estimate of current demand. The Cal-Am GRC filing can be seen in Appendix D attached.

In CPUC Decision 16-12-026, the Commission required Class A and B water utilities to propose improved forecast methodologies in their next general rate cases.<sup>20</sup> In the current GRC, Jeffrey Linam, Cal-Am's Vice President of Rates and Regulatory, states in his testimony that Cal-Am *"believes that the testimony demonstrates improved forecasting methodologies that consider*

<sup>19</sup> California-American Water Company's (U-210-W) Update to General Rate Case Application, A.19-07-004, October 14, 2019, Table 3.14 of Results of Operations Model

<sup>20</sup> Direct Testimony of Jeffrey T. Linam (Final Application), in A.19-07-004, July 1, 2019, page 108, at line 14

*the consumption trends during and following the drought that began in 2013”.*<sup>21</sup> Cal-Am “*hired David Mitchell of consulting firm MCubed to provide its sales forecast based on econometric models. The Company believes this is a significant improvement over the prior methods and use of historical averages...*”<sup>22</sup> This augments the testimony of Cal-Am expert witness Bahman Pourtaherian in the GRC who says David Mitchell’s company M-Cubed “*has expertise addressing sales forecasting and rate design issues for energy, municipal and investor owned water utilities across the State.*”<sup>23</sup>

Mr. Mitchell developed a highly complex econometric model for Cal-Am that in this GRC estimated the following (see Table 4) current demand (2021-2023) for the Cal-Am Main System (which is the system analyzed by MPWMD’s supply and demand analysis). His results, presented in the table below, also support MPWMD’s estimate of current demand.<sup>24</sup>

Table 4  
Cal-Am Estimates of Current Demand  
From Current 2019 GRC  
(AFA)

	2021	2022	2023
Central Division Forecast Sales Results of Operations Model in A.19-07-004 Table 3.14 (See also Exhibit 2) <sup>19</sup>	9,789	9,789	n/a
Expert Testimony of Cal-Am Witness David Mitchell Cal-Am Main System <sup>24</sup>	9,338	9,478	9,610

The forecasts were created when it was assumed the desalination plant would be online at the end of 2021.

*Legal Lots of Record:* The 1,181 number is derived from the October 2009 Coastal Water Project Final Environmental Impact Report and references a 2001 District analysis as the source. It was actually sourced from a Land Systems Group Phase II February 2002 interim draft report that used the number 1,181.438 AF. At that time, a calculation error was corrected and the report was subsequently updated in June 2002 and the number was revised to 1,210.964. However, the earlier number seems to have been used going forward. Both versions did not include vacant lots on improved parcels in the unincorporated County. Table 5 shows how the corrected number was calculated.

<sup>21</sup> Direct Testimony of Jeffrey T. Linam (Final Application), in A.19-07-004, July 1, 2019, page 102, at line 25

<sup>22</sup> Direct Testimony of Jeffrey T. Linam (Final Application), in A.19-07-004, July 1, 2019, page 105, at line 6

<sup>23</sup> Direct Testimony of Bahman Pourtaherian (Final Application), in A.19-07-004, July 1, 2019, page 9, at line 21

<sup>24</sup> Direct Testimony of David Mitchell (Final Application), in A.19-07-004, July 1, 2019, Attachment 2, page 32, final line converted to acre-feet from CCF

Table 5  
Legal Lots of Record Estimates (2002)  
Unincorporated County Not Included  
(Acre-Feet)

Type of Parcel	Amount
Vacant Lots on Vacant Parcels	729.9
Vacant Lots on Improved Parcels	288.2
Anticipated Remodels (10 years)	192.8
<b>Total</b>	<b>1,210.9</b>

Table 6  
Assumptions Driving the Legal Lots of Record Conclusions

Category	Units on Vacant Parcels	Units on Improved Parcels	Estimated Number of Remodels	Water Use Factor	Total Water Usage
Single Family Dwellings	688	152		0.286 AF	240.2
Multi-Family Dwellings	846	204		0.134 AF	140.7
Commercial/Industrial	556	288		0.755 AF	637.2
Residential Remodels			3765	0.029 AF	109.2
Commercial Remodels			513	0.163 AF	83.6
	<b>2,091</b>	<b>789</b>	<b>4,278</b>		<b>1,210.9</b>

However, since the study was done, the District's conservation programs have resulted in reductions in the average water use factors which reduces the water needed for the same lots of record. For example, with single-family water use at 0.2 AFA, multifamily use at 0.12 AFA, and commercial customer connections averaging 0.66 AFA (2016 data), these changes alone would reduce the total above by 167.1 AF. Further, some of these lots may have been built upon, others determined unbuildable. Many of the remodels have likely occurred. General plans have been rewritten and housing elements recalculated. These factors taken together could result in another 150 AF reduction in the assumption.

Compared to the 1,890 units from the 2002 Land Systems Group study shown above, going forward, AMBAG's Regional Housing Needs Allocation (RHNA) Plan: 2014-2023 showed 1,271 additional housing units expected in the 6 cities for a ten-year period. This is shown in Appendix B of this report. Assuming single-family water use at 0.2 AFA and multifamily use at 1.2 AFA, this equates to approximately 395-405 AFA over a 20-year period<sup>25</sup>. Most of AMBAG's

<sup>25</sup> Appendix B of this report

projected growth occurs in Seaside and Monterey, which if slated for the former Fort Ord would not be served by Cal-Am. Unfortunately, it is not possible to accurately distinguish the Cal-Am served housing growth from the non-Cal-Am housing growth, but the 405 AFA likely overstates the Cal-Am growth. The AMBAG assumptions appear consistent with the Land Systems Group estimates. The RHNA is expected to be updated soon and the allocation could change. Instead of focus on a RHNA number, however, the water for housing can be thought of as captured within the population growth component of the third-party growth forecast discussed later in this report and in Appendix A, because houses don't use water – people do.

The case could be made that the legal lots of record demand assumption in the sizing of the MPWSP should be 864 to 1,014 AFA.

*Tourism Bounce-Back:* As stated earlier, the 500 AFA for economic recovery was originally suggested by the local hospitality industry to account for a recovery of occupancy rates in the tourist industry in a post-World Trade Center tragedy setting.<sup>6, 16</sup> Representatives of the Coalition of Peninsula Businesses indicated in 2017 testimony that the hospitality industry was hurt by the recent recession and that occupancy rates need to increase by 12 to 15 percent to re-attain the levels of decades ago.<sup>26</sup> It is true that the Salinas-Monterey market was one of five California markets, out of 22, to experience significant declines after the events of 2001, from 71.8% in 2000 to 63.0% in 2001.<sup>27</sup> It is also true that the decline persisted and was still down when the MPWSP desalination plant was sized, with occupancy rates of 62.8% in 2011-12 and 64.1% in 2012-13.<sup>28</sup> However, occupancy rates have since recovered with no notable increase in water demand. Hotel occupancy locally is back at approximately 72% and is estimated by Smith Travel Research to be higher for better quality properties on the Monterey Peninsula.<sup>29, 30</sup> The commercial sector water demand is shown below in Table 7 for the year prior to the World Trade Center tragedy, the year of the MPWSP plant sizing, and the most recent year. As can be seen, commercial demand, which is heavily influenced by the hospitality industry remains in decline, despite the already absorbed “bounce-back” in occupancy rates.

Table 7  
Commercial Sector Water Demand - Selected Years  
(Acre-Feet)

Year	Demand
2001	3,387
2012	2,770
2018	2,442

<sup>26</sup> Testimony of John Narigi (to CPUC), September 29, 2017, page 5

<sup>27</sup> HVS San Francisco, August 19, 2003

<sup>28</sup> Monterey County Convention and Visitors Bureau Annual Report 2012-13, page ii

<sup>29</sup> Fiscal Analysis of the Proposed Hotel Bella Project, Applied Development Economics, April 6, 2016

<sup>30</sup> Cannery Row Company, January 9, 2019

There is a secular change in commercial demand that is due to permanent demand reductions resulting from targeted rebate programs, conservation standards for the visitor-serving sector since 2002, mandatory conservation standards for other commercial businesses instituted in 2013, and commercial inspection/enforcement by the District. A “bounce-back” of 500 AFY would represent an increase in water use demand of 20% in the entire commercial sector, not just the hospitality industry. The District does not view this as likely in the near-term, nor due to a return to higher occupancy rates.

Hence, the case could be made that the tourism bounce-back demand assumption in the sizing of the MPWSP should be 100 to 250 AFA.

*Pebble Beach Buildout:* As cited earlier, at the time of the 2012 Application, the Pebble Beach company had approximately 325 AF of entitlements still available and that number was added to the MPWSP sizing needs. However, the final environmental impact report certified in 2012 envisioned 145 AFA for the buildout projects and 154 AFA in “other entitlement demand.”<sup>31</sup>

However, the “other entitlement demand” is very likely to go away when a new water supply comes online because homeowners will have no reason to pay \$250,000 per AF for an entitlement when connecting directly to Cal-Am is possible when the moratorium on new service connections is lifted. In the ten years since the CDO was imposed, Pebble Beach entitlement water demand has averaged 4.9 AF added each year. It is reasonable to assume only another 15 AFA during the next three years before a permanent water supply is online.

The project buildout from the EIR is 145 AFA, not 325 AFA used in MPWSP sizing. Further, the buildout number includes estimated water use that may not materialize in decades, if ever. Table 8 shows the elements that comprise the Pebble Beach buildout.

Table 8  
Components of Pebble Beach Buildout in AFA

Project	Demand
Lodge	13.11
Inn at Spanish Bay	12.85
Spyglass Hotel	30.59
Area M Residential	10.00
Other Residential	77.00
Driving Range	0.33
Roundabout	0.70
Total	144.58

<sup>31</sup> Pebble Beach Final Environmental Impact report (FEIR), April 2012, Appendix H “Water Supply and Demand Information for Analysis”



Two elements of the project warrant greater discussion: “Other Residential” includes 66 single family residences at 1.0 AF each and 24 residences at 0.50 AF each (and a decrement of 1 AF in the total calculation for other reasons.) District research in 2006 determined the average large lot Pebble Beach home utilized 0.42 AFA. Building conservation standards have increased since then. Many of the proposed homes are not utilized year-round. Hence, the estimate could be overstated by one-third or more. Spyglass Hotel is not currently being pursued and there are no plans to do so in the near-term. The project could be a decade or two away, if ever.

Hence, the case could be made that the Pebble Beach buildout demand assumption in the sizing of the MPWSP should be 103 to 160 AFA.

### Summary of Demand v. Supply

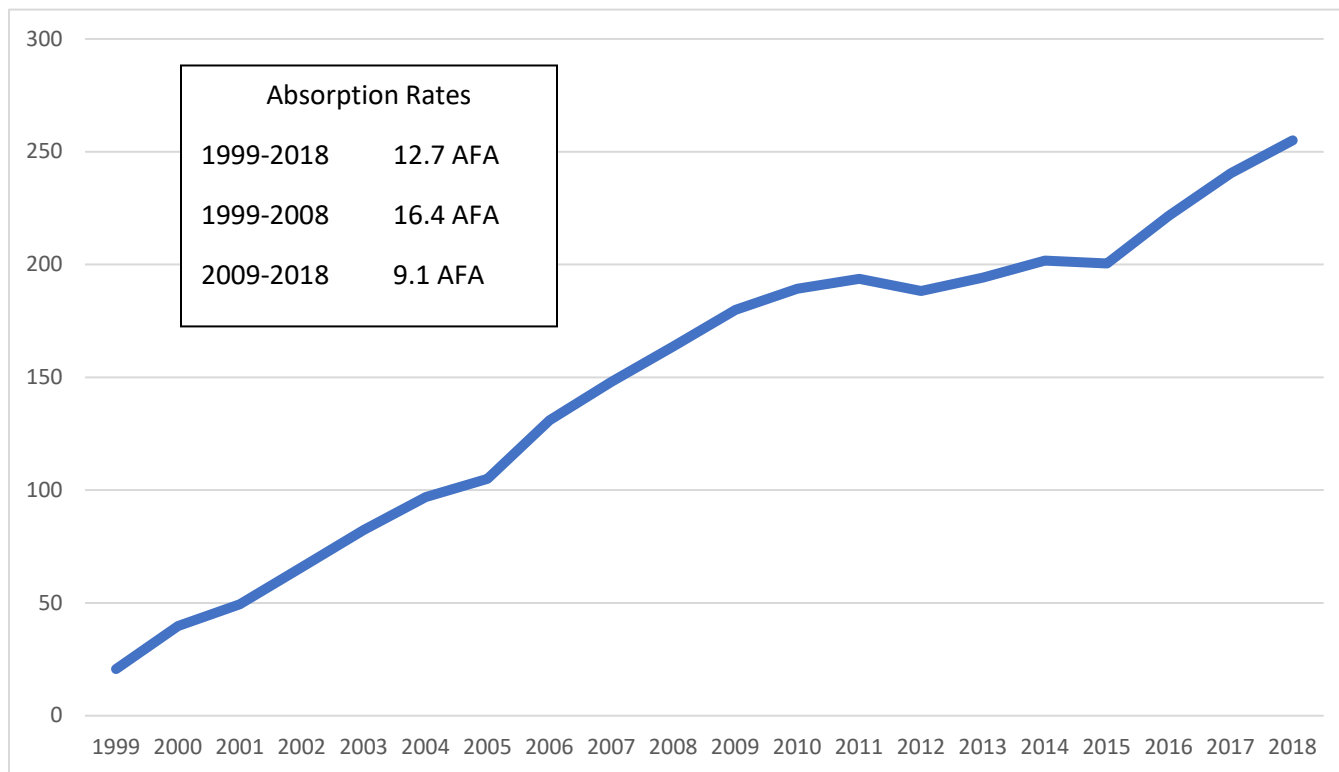
Table 9 shows the range of demand estimates that have been established in the foregoing analysis. These long-term demand estimates can be compared to existing current demand to determine how much water supply is needed.

Table 9  
Range of Potential Demand Scenarios in MPWSP Sizing  
(Acre-Feet)

Demand Component	Current Project	Revised High	Revised Low
Average Current Customer Demand	13,290	10,863	9,817
Legal Lots of Record	1,181	1,014	864
Tourism Bounce-Back	500	250	100
Pebble Beach Buildout	325	160	103
<b>Total Water Demand</b>	<b>15,296</b>	<b>12,287</b>	<b>10,884</b>

However, the ability of the Monterey Peninsula to generate or “absorb” the housing and commercial growth will help determine when such water supply is needed. Figure 2 shows the past 20 years of market absorption of water demand based on water permits issued. The average growth or absorption in water use was 12.7 AF per year. The first decade preceded the CDO and was a period of relative economic stability, available property, no moratorium on new service connections, and lower water rates resulting in 16.4 AF per year of absorption. The second decade was after the CDO and moratorium on service connections and understandably had a lower absorption rate of 9.1 AF per year.

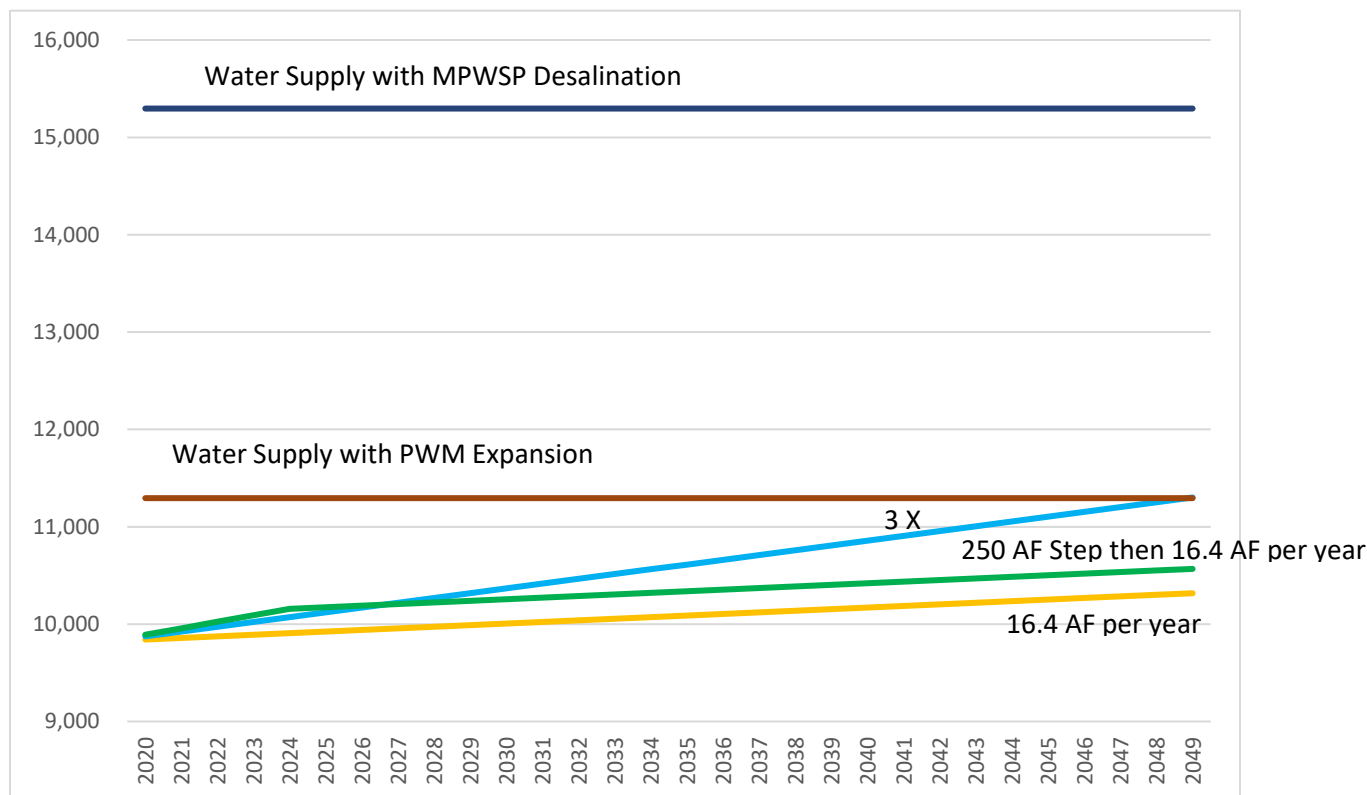
Figure 2  
Market Absorption of Water Demand  
Last 20 Years  
(Acre-Feet)



By adopting assumptions about current demand and market absorption rates, it can be determined the sufficiency of certain supply alternatives over time.

*Scenario 1: Supply v Demand Using Pre-CDO Absorption Rate Scenarios:* In Figure 3, the current demand assumption of 9,825 AF (most recent 5-year average) is shown with three market absorption rates: (a) 16.4 AF per year (pre-CDO decade rate), (b) three times that rate, and (c) 250 AF over the first five years on top of the pre-CDO rate. These are also compared to the two supply alternatives in Table 1.

Figure 3  
 Market Absorption of Water Demand Compared to Water Supply  
 Current Demand at 5-Year Average  
 Pre-CDO Growth Rate Alternatives  
 (Acre-Feet)



This chart shows that, assuming a starting current demand at the 5-year average, both water supply alternatives meet 30-year market absorption at the historical rate, 250 AF in the first 5 years on top of the historical rate, and at 3-times the historical absorption rate.

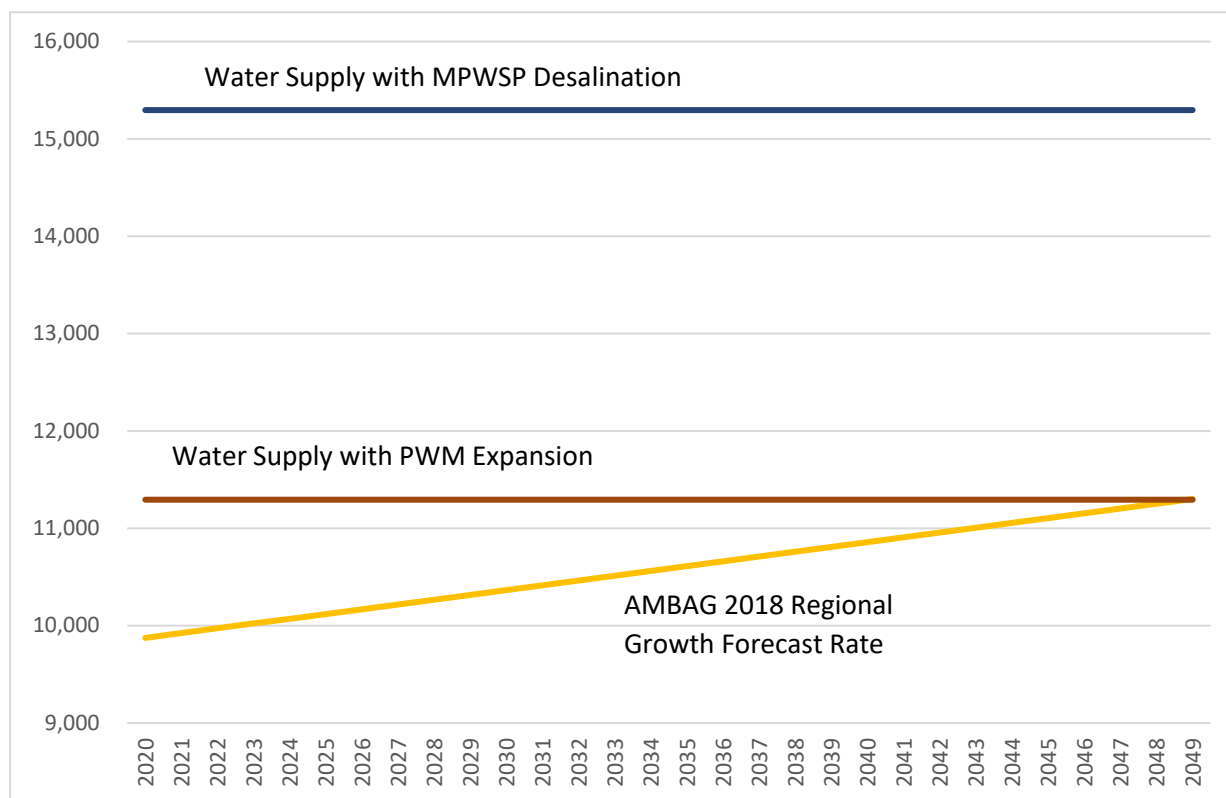
*Scenario 2: Supply v Demand Using 3<sup>rd</sup>-Party Growth Forecast Absorption Rate:* Rather than to rely on pre-CDO absorption of water demand or alternative theoretical future demand scenarios, as was done in the September report, it is instructive to instead look at a regional growth forecast by an objective third-party. Here, as shown in Appendix A, we evaluated AMBAG's 2018 Regional Growth Forecast, specifically the subregional population forecast as a proxy for residential water demand, and the subregional employment forecast, using job growth as a proxy for commercial water demand. (Certainly, other factors could be considered.)

AMBAG implemented an employment-driven forecast model for the first time in the 2014 forecast and contracted with the Population Reference Bureau (PRB) to test and apply the

model again for the 2018 Regional Growth Forecast (RGF). To ensure the reliability of the population projections, PRB compared the employment driven model results with results from a cohort-component forecast, a growth trend forecast, and the most recent forecast published by the California Department of Finance (DOF). All four models resulted in similar population growth trends. As a result of these reliability tests, AMBAG and PRB chose to implement the employment-driven model again for the 2018 RGF.<sup>32</sup>

Using this methodology, the total water demand increase in the 20 year study period is 984 AF or 49.2 AFA. Applying the 49.2 AFA linearly across a 30-year horizon results in the demands shown in Figure 4.

Figure 4  
Market Absorption of Water Demand Compared to Water Supply  
Current Demand at 5-Year Average  
AMBAG 2018 Regional Growth Forecast  
(Acre-Feet)



This chart shows that, assuming a starting current demand at the 5-year average (inclusive of water year 2019), both water supply alternatives meet 30-year market absorption at the AMBAG 2018 Regional Growth Forecast rate.

<sup>32</sup> 2018 Regional Growth Forecast, Technical Documentation, Association of Monterey Bay Area Governments (AMBAG), June 2018, page 5

*Scenario 3: Supply v Demand Using “Pent-Up Demand” Plus AMBAG Growth Forecast*

**Absorption Rate:** The Regional Growth Forecast is intended to include new housing starts for increasing population, and new commercial businesses for job formation. However, several cities have approved and unbuilt projects that might happen more quickly once a permanent water supply becomes available and new meters can be set.

Examples of housing projects include Garden Road and Strangio in Monterey, Del Dono in Carmel, South of Tioga in Sand City, and various mixed-use projects and ADUs throughout the service area. Example non-residential projects include almost 120,000 square feet of commercial space at Ocean View Plaza in Monterey, approximately 1,250 rooms across five hotels in Pacific Grove (2) and Sand City (3). Hotels have their own demands and the guests can increase demand at local establishments. There can also be variability in students and service members attending MIIS, MPC, NPS, DLI, or living in the service area attending other institutions.

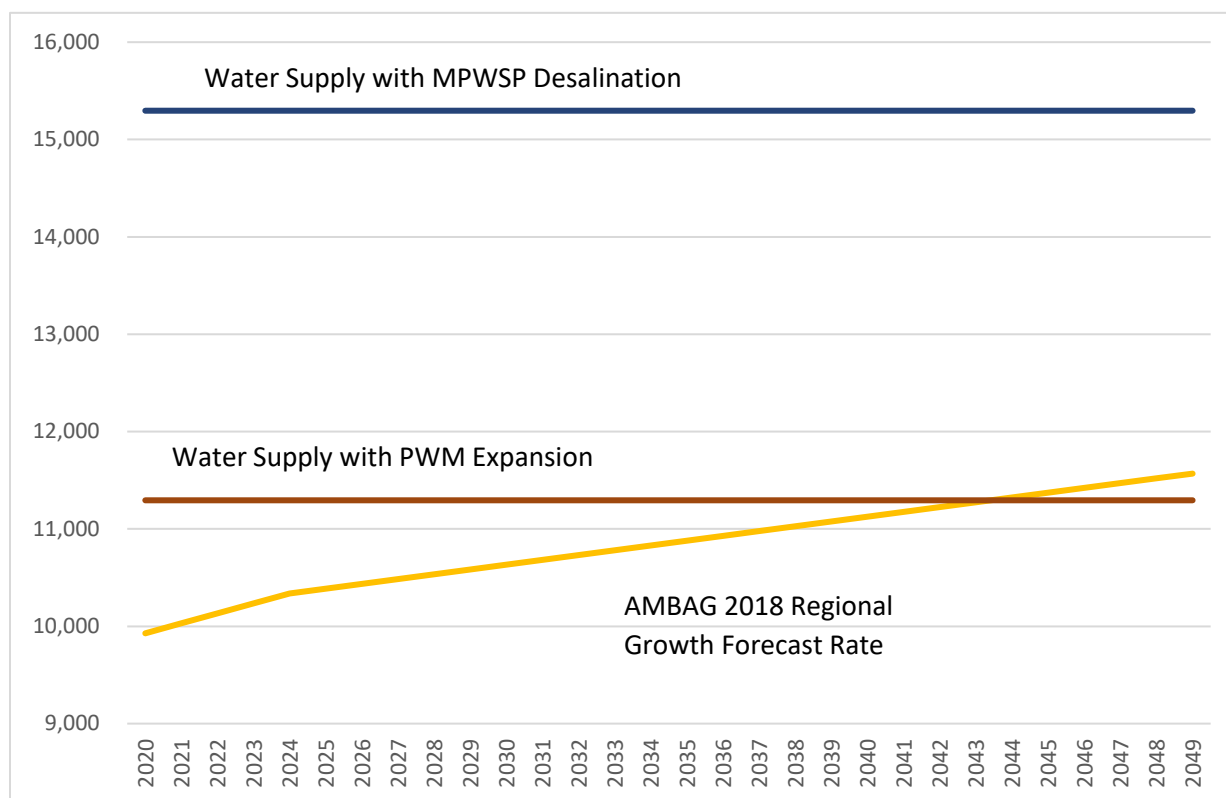
There is little likelihood that the market can absorb all of this quickly, but if it did there might be assumed to be something similar to the following pent-up near-term demand:

Table 10  
Potential Near-Term Demand  
(Acre-Feet)

Type of Demand	Acre Feet Required
1,250 Hotel Rooms X 0.064 AF/room	80
1.5 guests/room X 1,250 rooms X 75% occupancy X 0.02 AF/restaurant seat	28
200,000 new square feet of commercial space X 0.00007 AF/sq.ft.	14
1,000 new students X 57 gal/day X 260 days/Year	45
Approved but Unbuilt Housing	100
<b>TOTAL Near-Term Demand</b>	<b>267</b>

Figure 5 shows what the supply and demand relationship would be if this 267 AFA is added to the first five years, on top of the AMBAG Growth Forecast. The chart shows that, assuming a starting current demand at the 5-year average (inclusive of water year 2019), Pure Water Monterey Expansion meets 24-year market absorption, and the MPWSP desalination plant exceeds 30-year demands.

Figure 5  
 Market Absorption of Water Demand Compared to Water Supply  
 Current Demand at 5-Year Average  
 “Pent-Up” Demand in first 5 Years plus AMBAG 2018 Regional Growth Forecast  
 (Acre-Feet)



### Additional Factors Affecting Future Demand

**Cost:** The future water supply will significantly impact rates. It is expected that the combined cost of new water supply and regular annual rate increases will almost double a residential ratepayer’s water bill by 2023. Rules of price elasticity suggest the cost of water might dampen demand. The cost of each major component of supply is shown below:

Desalination Plant	\$6,094 per acre-foot <sup>33</sup>
Carmel River:	\$271 per acre-foot <sup>34</sup>

<sup>33</sup> Attachment C-3 California American Water Company Advice Letter 1220 “Total Yr 1 Cost to Customer” \$38.1 million, divided by 6,252 acre-feet per year

<sup>34</sup> MPWSP Model- V 2.1 submitted to CPUC; February 2018 and October 2017 versions, 6.4 MGD scenario, “Avoided Costs” worksheet

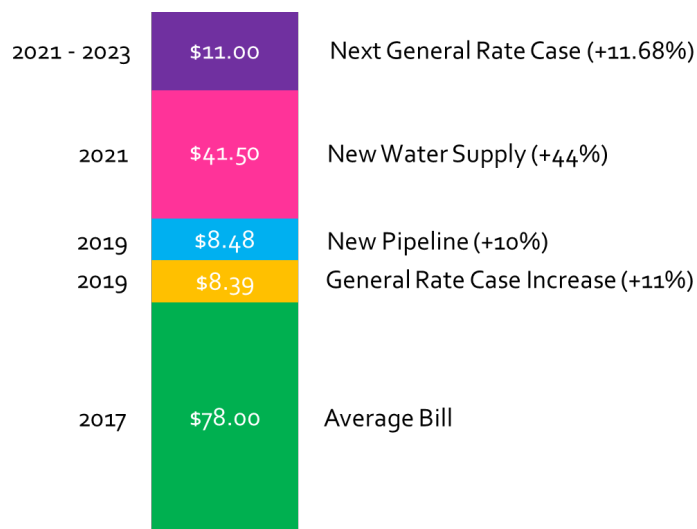
Seaside Basin:	\$130 per acre-foot <sup>35</sup>
Pure Water Monterey:	\$2,398 per acre-foot <sup>36</sup>
PWM with Expansion:	\$2,339 per acre-foot <sup>37</sup>

Further, if the desalination plant capacity is not fully utilized, the cost per acre-foot rises due to the fixed costs, as shown below.

Production by Desal Plant – AF	<u>6,252</u>	<u>5,000</u>	<u>4,300</u>
Variable Cost (\$ Million)	7.8	6.2	5.4
Fixed Cost (\$ Million)	<u>30.3</u>	<u>30.3</u>	<u>30.3</u>
Total Annual Cost to Customer	38.1	36.5	35.7
Cost per Acre-Foot	\$6,094	\$7,308	\$8,294

The rate impact can be seen in Figure 5 below, which is calculated based on full utilization of the desalination plant.

Figure 5  
Ratepayer Impacts of New Water Supply<sup>38</sup>



**Legislation:** On May 31, 2018, Governor Brown signed two bills which build on the ongoing efforts to “make water conservation a California way of life.” SB 606 (Hertzberg) and AB 1668

<sup>35</sup> MPWSP Model- V 2.1 submitted to CPUC; February 2018 and October 2017 versions, 6.4 MGD scenario, “Avoided Costs” worksheet

<sup>36</sup> Recent estimate for 2020-21 fiscal year

<sup>37</sup> Estimate

<sup>38</sup> “Your Rates Are Changing” California American Water mailer, April 2019 and “Notice of General Rate Case Application filed” July 2019

(Friedman) reflect the work of many water suppliers, environmental organizations, and members of the Legislature. The mandates will fall on urban water suppliers – not customers.

Specifically, the bills call for creation of new urban efficiency standards for indoor use, outdoor use, and water lost to leaks, as well as any appropriate variances for unique local conditions. Each urban retail water agency will annually, beginning November 2023, calculate its own *objective*, based on the water needed in its service area for efficient indoor residential water use, outdoor residential water use, commercial, industrial and institutional (CII) irrigation with dedicated meters, and reasonable amounts of system water loss, along with consideration of other unique local uses (i.e., variances) and “bonus incentive,” or credit, for potable water reuse, using the standards adopted by the State Water Board.

The indoor water use standard will be 55 gallons per person per day (gallons per capita daily, or GPCD) until January 2025; the standard will become stronger over time, decreasing to 50 GPCD in January 2030. For the water use objective, the indoor use is aggregated across population in an urban water supplier’s service area, not each household. Presently, the average June 2014-May 2019 gallons per capita per day for the Cal-Am Monterey system is 57 gpcd. Hence, existing users are unlikely to increase their water consumption with the availability of new water supply.

### **Principal Conclusions**

- Either supply option can meet the long-term needs of the Monterey Peninsula
- Either supply option is sufficient to lift the CDO
- The long-term needs of the Monterey Peninsula may be less than previously thought
- Several factors will contribute to pressure on decreasing per capita water use



## Appendix A

### Water Required to Meet AMBAG 2018 Regional Growth Forecast

Water Required for Population Growth<sup>39</sup>

	Monterey	Pacific Grove	Carmel-by-the-Sea	Sand City	Seaside	Del Rey Oaks	County <sup>40</sup>	TOTAL
Population in 2020	28,726	15,349	3,833	544	34,301	1,949	7,182	<b>91,884</b>
Population in 2040	30,976	16,138	3,876	1,494	37,802	2,987	7,541	<b>100,814</b>
Increase	2,250	789	43	950	3,501	1,038	359	<b>8,930</b>
GPCD <sup>41</sup>	56.8	56.8	56.8	56.8	56.8	56.8	56.8	<b>56.8</b>
Acre-Feet per Year	143 AF	50 AF	3 AF	60 AF	223 AF	66 AF	23 AF	<b>568 AF</b>

\*: Likely overstates population growth in Cal-Am service area due to some growth attributable to the Fort Ord build-out.

Water Required for Employment Growth<sup>42</sup>

	Monterey	Pacific Grove	Carmel-by-the-Sea	Sand City	Seaside	Del Rey Oaks	County <sup>43</sup>	TOTAL
Jobs in 2020	34,434	5,093	2,998	1,569	10,161	371	4,300	<b>58,926</b>
Jobs in 2040	40,173	5,808	3,378	1,810	11,299	432	4,845	<b>67,745</b>
Increase	16.7%	14.0%	12.7%	15.4%	11.2%	16.4%	12.7%	
Commercial Consumption In 2019 <sup>44</sup>	1,371 AF	248 AF	203 AF	54 AF	282 AF	21 AF	651 AF	<b>2,830 AF</b>
Commercial Consumption In 2040 <sup>45</sup>	1,600 AF	283 AF	229 AF	62 AF	314 AF	24 AF	734 AF	<b>3,246 AF</b>
Increase	229 AF	35 AF	26 AF	8 AF	32 AF	3 AF	83 AF	<b>416 AF</b>

Using this methodology, total water demand increase in 20 year period is 984 AF or 49.2 AFY.

<sup>39</sup> Association of Monterey Bay Area Governments. 2018. "2018 Regional Growth Forecast." Table 8, page 32

<sup>40</sup> Uses Cal-Am service area population reported in SWRCB June 2014 – September 2019 Urban Water Supplier Monthly Reports (Raw Dataset), minus urban areas, escalated at 5%.

<sup>41</sup> SWRCB June 2014 – September 2019 Urban Water Supplier Monthly Reports (Raw Dataset); Average gallons per capita per day for August 2018 – July 2019; [www.waterboard.ca.gov](http://www.waterboard.ca.gov)

<sup>42</sup> Association of Monterey Bay Area Governments. 2018. "2018 Regional Growth Forecast." Table 7, page 30

<sup>43</sup> California Employment Development Department, Monthly Labor Force Data for Cities and Census Designated Places. November 15, 2019. Sum of Carmel Valley Village CDP and Del Monte Forest CDP. Escalated at same rate as Carmel-by-the-Sea.

<sup>44</sup> Cal-Am. 2019. "Customers and Consumption by Political Jurisdiction"

<sup>45</sup> Assumes escalation at same rate as job growth 2020 to 2040

## Appendix B

### Water Required to Meet Regional Housing Needs Allocation Plan: 2014-2023

2014-2023 RHNA Goals by Local Jurisdiction<sup>46</sup>

	Monterey	Pacific Grove	Carmel-by-the-Sea	Sand City	Seaside	Del Rey Oaks	TOTAL
Total Allocation	650	115	31	55	393	27	1,271
Very Low (24.1%)	157	28	7	13	95	7	307
Low (15.7%)	102	18	5	9	62	4	200
Moderate (18.2%)	119	21	6	10	72	5	233
Above Moderate (42%)	272	48	13	23	164	11	531

\*: Does not include unincorporated Monterey County, which might be 15-25 additional AFY to full build-out

Estimated Water Required to Meet RHNA Goals on the Monterey Peninsula

	TOTAL RHNA GOAL	Water Required (AFY) <sup>47</sup>	Factor Used
Very Low (24.1%)	307	37	0.12 AFA (multi-family)
Low (15.7%)	200	24	0.12 AFA (multi-family)
Moderate (18.2%)	233	37	0.16 (half single family/half multi-family)
Above Moderate (42%)	531	92	0.173 (2/3 single family/1/3 multi-family)
<b>Total Allocation/Water Required</b>	<b>1,271</b>	<b>190</b>	

Over two similar 10-year periods, total water required for housing calculated with this methodology is 380 AF over twenty years, or 395 – 405 AF including estimate for unincorporated County (footnote above.)

<sup>46</sup> Association of Monterey Bay Area Governments. ND. "Regional Housing Needs Allocation Plan: 2014-2023." Available at: [https://ambag.org/sites/default/files/documents/RHNP%202014-2023\\_Final\\_revised.pdf](https://ambag.org/sites/default/files/documents/RHNP%202014-2023_Final_revised.pdf).

<sup>47</sup> Calculated based on the RHNA goals for the six cities in the Monterey Peninsula and MPWMD's water use factors for single family units (0.2 AFA) and multi-family units (0.12 AFA).

## Appendix C

### Pure Water Monterey Expansion Consistency With Planning Criteria

MPWMD has consistently followed state and federal codes, as well as industry standards, in its analysis of the two supply options in the report. Specifically, any MPWMD conclusions in the report are consistent with the following:

- California Code of Regulations (CCR) section 64554
- California Health and Safety Code (CHSC) section 116555
- California Water Code (CWC) sections 10635 and 10631
- CPUC General Order 103A and other rules; and
- American Water Works Association “Water Resource Planning” guidance M50

*CCR section 64554:* MPWMD meets the requirements of CCR Title 22 section 64554. This was shown in a document produced and available from MPWMD in September 2019 and later publicly filed by the California Coastal Commission demonstrating MPWMD compliance.<sup>48</sup> With the passage of time, that analysis has been updated and is included in this Appendix C, now assuming a new water supply comes online in the year 2023. It shows that Pure Water Monterey expansion can meet the Maximum Day Demand (MDD) and Peak Hourly Demand (PHD) required under this section of the CCR.

There is no standard in 64554 to look back 10 years to ascertain current or projected future average annual demand. Section (k) which says *“The source capacity of a surface water supply or a spring shall be the lowest anticipated daily yield based on adequately supported and documented data”* by citing “daily yield”, still goes to MDD and PHD, not long-term average annual demand. This bears repeating: CCR section 64554 has nothing to with estimating current existing consumer demand or future average annual consumer demand for water.

*CHSC section 116555:* All that is required under this section of the Code is that a water supplier “provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.” Nothing more, nothing less. To assert that either Pure Water Monterey expansion or the proposed desalination plant do not do so would be disingenuous.

*CWC sections 10635 and 10631:* Section 10635 of the CWC requires that *“every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years.”*

---

<sup>48</sup> See California Coastal Commission agenda, November 14, 2019, Application 9-19-0918 / Appeal A-3-MRA-19-0034 (California American Water Co.) Exhibit 9 staff note attachment

*This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years.”* MPWMD has done so with respect to both proposed water supply sources and have concluded that they can each meet the challenges of a normal water year, a single dry water year, and a 5-year drought. Drought resilience of Pure Water Monterey and ASR is discussed in more detail below.

We also recognize section 10631 reiterates the above-said requirement in the plan. Section 10631 also requires analysis by the utility of (i) Water waste prevention ordinances; (ii) Metering; (iii) Conservation pricing; (iv) Public education and outreach; (v) Programs to assess and manage distribution system real loss; (vi) Water conservation program coordination and staffing support; and (vii) Other demand management measures. These programs, many of which have been sponsored by MPWMD, have led to the decline in water demand that sets the baseline for future water supply planning.

*CPUC General Order 103A and other rules:* MPWMD’s analysis has met the requirements of CPUC General Order 103A which states all water supplied shall be *“obtained from a source or sources reasonably adequate to provide a reliable supply of water”* and *“shall have the capacity to meet the source capacity requirements as defined in CCR Title 22, Section 64554”*. This has been addressed above.

The CPUC’s *“Rate Case Plan and Minimum Data Requirements for Class A Water Utilities General Rate Case (GRC) Applications”* states utilities should *“forecast customers using a five-year average of the change in number of customers by customer class”* subject to unusual events (such as a meter moratorium here in Monterey). MPWMD has also recognized this regulatory guidance.

*American Water Works Association (AWWA) “Water Resource Planning” guidance M50:* AWWA recognizes there are 6 traditional forecasting methods.<sup>49</sup> MPWMD’s report has incorporated at least three of the accepted methods: “per capita models”, “extrapolation models”, “disaggregate water use models”, and have checked certain estimates using “land-use models” each recognized by AWWA. Further, to the extent MPWMD has analyzed the AMBAG growth forecast and assigned water usage to the population and job forecasts, “multivariate” modeling has been included, also recognized by AWWA. “Several methods of demand forecasting are often combined, even within a single utility.”<sup>50</sup>

---

<sup>49</sup> AWWA, “Water Resources Planning: Manual of Water Supply Practices M50”, 3<sup>rd</sup> Edition, pages 81-84.

<sup>50</sup> AWWA, “Water Resources Planning: Manual of Water Supply Practices M50”, 3<sup>rd</sup> Edition, page 81, paragraph 2.

The out-of-date second edition of AWWA M50 does cite a period of 10 years of historical data be used to develop future forecasts of demand, but the same section also states *“If a simple per capita approach to forecasting is selected, the data requirements could be as easy as securing historical annual water production or sales for 5 to 10 years”* Hence, MPWMD’s use of a 5-year period would have been acceptable.<sup>51</sup> However, that edition of M50 was superseded by the third edition published in 2017. The current M50 edition from AWWA does not reference a specific preferred time period for historical data to be used for a future demand forecast. The MPWMD analysis is consistent with the current section of M50. There is nothing wrong, or outside industry standards, with looking at a 5-year average or some other measure to determine “How much water do we use today?”

---

<sup>51</sup> AWWA, “Water Resources Planning: Manual of Water Supply Practices M50”, 2<sup>nd</sup> Edition, pages 47-48

## Drought Resilience of ASR and Pure Water Monterey

*ASR:* Based on the Benito/Williams technical memorandum modeling assumptions contained in the Pure Water Monterey SEIR appendices, MPWMD concludes that build-up of ASR storage would be sufficient to meet a 5-year drought. The build-up occurs based on historical data including wet, normal, and dry years. If the data is randomized, the same results will occur – ASR acts like a lake behind a dam, building up supplies for use later during a drought. To remove ASR from the resource planning mix is inappropriate and would be inconsistent with industry practice for estimating water supply availability. Even AWWA recognizes ASR in its reliability assessment: *“ASR wells can improve water basin management by storing water underground from periods of excess supply..., and later allowing a portion of the stored water to be extracted during periods of demand or short supply”*<sup>52</sup>

If the Monterey Peninsula were to experience drought during the “buildup period” following the completion of new water supply and the lifting of the CDO, ASR would arguably be delayed in building up a drought reserve, it should not be overlooked that a Pure Water Monterey expansion is new capacity without an immediate offsetting demand. That is, 2,250 AFA from Pure Water Monterey expansion would provide the necessary approximately 800 AFA to offset unlawful Carmel River diversions and lift the CDO and provide a remaining 1,450 AFA for which there is no immediate present-day demand and can instead be delivered for customer service in the early years if ASR’s drought reserve has not yet built-up. Just a few years of Pure Water Monterey expansion water could also provide drought-resilience to the Monterey Peninsula.

The District believes the Benito/Williams memo demonstrates ASR is drought-resilient and Pure Water Monterey expansion provides an additional factor of safety against drought impacts to ASR.

*Pure Water Monterey:* A memorandum dated November 1, 2019 which appears as Appendix I to the Pure Water Monterey Supplemental Environmental Impact Report titled “Source Water Availability, Yield and Use Technical Memorandum”, indicates Pure Water Monterey is resilient to drought, in general. Page 1 of the memorandum states the purpose of the memorandum is to summarize the source water availability and yield estimates for proposed modifications to the approved Pure Water Monterey Groundwater Replenishment Project (as modified, the full project is referenced as the Expanded PWM/GWR Project), to explain the seasonal storage yield estimates, and to provide the proposed maximum and typical (or normal) water use estimates for the Proposed Modifications.

---

<sup>52</sup> AWWA, “Water Resources Planning: Manual of Water Supply Practices M50”, 3<sup>rd</sup> Edition, page 148

Page 10 of the memorandum says *“In the attached scenario tables (Tables 9 through 11), the use of the various sources is reduced to just meet the demands of the AWPf and offset the current CSIP groundwater use in the wet season (October-March). During the dry season (April-September), surface water diversions are shown meeting the monthly AWPf demands and providing extra flow for the CSIP, such that **the annual use of new sources exceeds the annual AWPf demands.**”* (emphasis added by MPWMD)

*“The demand scenarios considered are:*

*Table 9: A normal water year while developing a drought reserve (AWPF producing 6,550 AFY)*

*Table 10: A normal water year with a full drought reserve (AWPF producing 6,350 AFY)*

***Table 11: A drought year starting with a full reserve (AWPF producing 5,550 AFY)*** (emphasis added by MPWMD)

*In the drought year scenario, the stormwater and wastewater availability were reduced. Urban runoff from Salinas was assumed to be one-third of the historic average. Rainfall on the SIWTF ponds used the 2013 rainfall record (critically dry year). The unused secondary treated effluent values from 2013 were used, also the historic low. The CSIP groundwater well use from OCT 2013 to SEP 2014 was used as the CSIP augmentation target. Under this scenario, surface water diversions were required from the Reclamation Ditch, Blanco Drain and Lake El Estero, and the diversions were needed from March through November.”*

In MPWMD’s opinion, this shows that the drought scenario shows all Advanced Water Purification Facility needs are met and there are still residual new supplies available to CSIP. In other words, Pure Water Monterey expansion is reliable in periods of reduced usage or drought years.

**MPWMD Analysis of Available Well Capacity  
for 10-Year Maximum Daily Demand (MDD)  
and Peak Hour Demand (PHD)**

- A) Find maximum month demand for 10-year period 2014-2023  
August 2014 = 1,023 AF<sup>53</sup>
- B) Convert to average daily demand  
 $1,023 \text{ AF} / 31 \text{ days} = 33 \text{ AF/day}$
- C) Convert to million gallons per day (MGD)  
 $33 \text{ AF/day} \times 325,851 \text{ gal/AF} \text{ divided by } 1,000,000 = 10.753 \text{ MGD}$
- D) Gross-up for peaking factor of 1.5  
 $10.753 \text{ MGD} \times 1.5 = 16.13 \text{ MGD} = \text{Maximum Daily Demand (MDD)}$
- E) Average hourly flow during MDD is 10.753 MGD divided by 24 hours = 0.448 MGh
- F) Gross-Up for peaking factor of 1.5  
 $0.448 \text{ MGh} \times 1.5 = 0.672 \text{ million gallons per hour} = \text{Peak Hour Demand (PHD)}$

Hence, new water supply must support a MDD of 16.13 MGD. Table 1 on the next page shows existing and planned system supply capacities under authorized, desired, and firm capacity scenarios. As can be seen, the lowest available capacity is 19.41 MGD which significantly exceeds MDD.

This assumes additional production well capacity currently being analyzed in the Pure Water Monterey Expansion Supplemental EIR are developed and the Forest Lake Pump Station currently requested under the 2019 General Rate Case filing is built. These two projects markedly remove system capacity constraints.

We also recognize that the Plumas, Luzern, Ord Grove, Paralta, and Playa wells are presently unable to deliver to the Monterey Pipeline, serving only Seaside, Sand City, and Old Monterey. This could potentially reduce available capacity throughout the rest of the system on the order of 2 MGD. Even in this instance, operations are sufficient to meet MDD. This issue goes further away if one or more of the wells are also connected to the pipeline, as well as with the continued reduction in MDD in more recent years.

**CONCLUSION:** Pure Water Monterey expansion provides sufficient capacity to meet MDD and PHD for the Cal-Am Monterey Main System.

---

<sup>53</sup> Direct testimony of Ian Crooks, Errata version 9-27-17 in A.12.04.019 at California Public Utilities Commission, page 9, Table 3



TABLE 1

Cal-Am Monterey Main Well Capacity						
Under Authorized and Desired Operations						
With New Wells being Analyzed in Pure Water Monterey Expansion SEIR						
	Authorized Operations		Desired Operations		Desired Operations Firm Capacity	
	Capacity (gpm)	Capacity (MGD)	Capacity (gpm)	Capacity (MGD)	Capacity (gpm)	Capacity (MGD)
<b>Upper Carmel Valley Wells</b>						
Assume n/a in Summer	-	-	-	-	-	-
<b>Lower Carmel Valley Wells</b>						
Rancho Canada	1,150	1.66	1,200	1.73	1,200	1.73
Cypress	1,500	2.16	-	-	-	-
Pearce	1,500	2.16	-	-	-	-
Schulte	1,250	1.80	-	-	-	-
Manor	125	0.18	-	-	-	-
Berwick No 8.	600	0.86	-	-	-	-
Berwick No. 9	985	1.42	-	-	-	-
Subtotal Lower CV	7,110	10.24	1,200	1.73	1,200	1.73
<b>Seaside Wells</b>						
Plumas	192	0.28	192	0.28	192	0.28
Luzern	640	0.92	640	0.92	640	0.92
Ord Grove	1,000	1.44	1,000	1.44	1,000	1.44
Paralta	1,350	1.94	1,350	1.94	1,350	1.94
Playa	350	0.50	350	0.50	350	0.50
Santa Margarita ASR 1 or 2	1,750	2.52	1,750	2.52	1,750	2.52
Middle School ASR 1 or 2	1,750	2.52	1,750	2.52	1,750	2.52
Subtotal Seaside	7,032	10.13	7,032	10.13	7,032	10.13
<b>4 New Wells in Pure Water Expansion SEIR</b>						
New 1	1,750	2.52	1,750	2.52	1,750	2.52
New 2	1,750	2.52	1,750	2.52	1,750	2.52
New 3	1,750	2.52	1,750	2.52	1,750	2.52
New 4	1,750	2.52	1,750	2.52	-	-
Subtotal New	7,000	10.08	7,000	10.08	5,250	7.56
<b>Total Well Capacity</b>	<b>21,142</b>	<b>30.44</b>	<b>15,232</b>	<b>21.93</b>	<b>13,482</b>	<b>19.41</b>
<b>Notes:</b>						
gpm = Gallons per Minute						
MGD = Million Gallons per Day						
AF = Acre-Feet						
Firm Capacity = Without largest producing well						

**CALIFORNIA AMERICAN WATER**  
**Central Division - 2019 GRC**  
**WATER PRODUCTION (KCCF)**  
**AUTHORIZED AND PROPOSED**

**Filing: 100-Day update**

Line No.	Description	Last Authorized Test Year	Estimated	Estimated	Proposed Test Year	Escalation Year
		2018	2019	2020	2021	2022
1.	Metered Sales	4,172.6	3,989.7	3,989.7	3,989.7	3,989.7
2.	Other Consumption	0.0	0.0	0.0	0.0	0.0
3.	Total Consumption	4,172.6	3,989.7	3,989.7	3,989.7	3,989.7
4.	Non Revenue	363.6	274.5	274.5	274.5	274.5
5.	Total Water Requirement	4,536.2	4,264.3	4,264.3	4,264.3	4,264.3
6.	Non Revenue Water %	8.0%	6.4%	6.4%	6.4%	6.4%
7.	Equivalent Acre Feet	10,413.6	9,789.4	9,789.4	9,789.4	9,789.4
8.	Total Water Requirement in CCF	4,536,162	4,264,251	4,264,251	4,264,251	4,264,251
<b>References:</b> Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF.						

**Appendix D**  
**Cal-Am Sales Forecast**  
**(Current Demand)**  
**From 2019 GRC Application**

## DISCUSSION ITEM

### 19. STATUS REPORT ON MEASURE J/RULE 19.8 PHASE II SPENDING

**Meeting Date:** February 25, 2021      **Budgeted:** N/A

**From:** David J. Stoldt,  
General Manager      **Program/** N/A  
**Line Item No.:**

**Prepared By:** Suresh Prasad      **Cost Estimate:** N/A

**General Counsel Review:** N/A

**Committee Recommendation:** The Administrative Committee reviewed this item on February 10, 2021.

**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

---

**SUMMARY:** Attached for review is **Exhibit 19-A**, monthly status report on Measure J/Rule 19.8 Phase II spending for the period November 2020 and December 2020. This status report is provided for information only, no action is required.

## EXHIBIT

**19-A** Status on Measure J/Rule 19.8 Phase II Spending



**Monterey Peninsula Water Management District  
Status on Measure J/Rule 19.8 Spending Phase II  
Through December 2020**

	<b>Contract</b>	<b>Date Authorized</b>	<b>Contract/Approved Amount</b>	<b>Prior Period Spending</b>	<b>Current Period Spending</b>	<b>Total Expended To Date</b>	<b>Spending Remaining</b>	<b>Project No.</b>
1	Eminent Domain Legal Counsel	12/16/2019	\$ 225,000.00	\$ 151,918.94		\$ 151,918.94	\$ 73,081.06	PA00005-01
2	CEQA Work	12/16/2019	\$ 134,928.00	\$ 134,779.54		\$ 134,779.54	\$ 148.46	PA00005-02
3	Appraisal Services	12/16/2019	\$ 200,000.00	\$ 168,525.00		\$ 168,525.00	\$ 31,475.00	PA00005-03
4	Operations Plan	12/16/2019	\$ 145,000.00	\$ 47,972.50		\$ 47,972.50	\$ 97,027.50	PA00005-04
5	District Legal Counsel	12/16/2019	\$ 40,000.00	\$ 76,407.01		\$ 76,407.01	\$ (36,407.01)	PA00005-05
6	MAI Appraiser	12/16/2019	\$ 120,000.00	\$ 76,032.00		\$ 76,032.00	\$ 43,968.00	PA00005-06
7	Jacobs Engineering	12/16/2019	\$ 87,000.00	\$ 70,377.28		\$ 70,377.28	\$ 16,622.72	PA00005-07
8	Contingency/Miscellaneous/Uncommitted	12/16/2019	\$ 289,072.00	\$ 4,433.65		\$ 4,433.65	\$ 284,638.35	PA00005-20
	<b>Total</b>		<b>\$ 1,241,000.00</b>	<b>\$ 730,445.92</b>	<b>\$ -</b>	<b>\$ 730,445.92</b>	<b>\$ 510,554.08</b>	

1	Measure J CEQA Litigation Legal Services	12/23/2000	\$ 200,000.00	\$ -		\$ -	\$ 200,000.00	PA00005-15
---	--	------------	---------------	------	--	------	---------------	------------

**Phase I Costs  
Status on Measure J/Rule 19.8 Spending  
Through November 2019**

	<b>Contract</b>	<b>Date Authorized</b>	<b>Contract Amount</b>	<b>Prior Period Spending</b>	<b>Current Period Spending</b>	<b>Total Expended To Date</b>	<b>Spending Remaining</b>	<b>Project No.</b>
1	Eminent Domain Legal Counsel	12/17/2018	\$ 100,000.00	\$ 148,802.21	\$ 12,195.95	\$ 160,998.16	\$ (60,998.16)	PA00002-01
2	Investment Banking Services	2/21/2019	\$ 30,000.00	\$ -	\$ 27,000.00	\$ 27,000.00	\$ 3,000.00	PA00002-02
3	Valuation & Cost of Service Study Consultant	2/21/2019	\$ 355,000.00	\$ 247,690.63	\$ 39,274.54	\$ 286,965.17	\$ 68,034.83	PA00002-03
4	Investor Owned Utility Consultant	2/21/2019	\$ 100,000.00	\$ 84,221.69		\$ 84,221.69	\$ 15,778.31	PA00002-04

## EXHIBIT 19-A

212

5	District Legal Counsel		\$ 35,000.00	\$ 33,763.61	\$ 8,133.98	\$ 41,897.59	\$ (6,897.59)	PA00002-05
6	Contingency/Miscellaneous		\$ 30,000.00	\$ 9,931.83	\$ 33,814.12	\$ 43,745.95	\$ (13,745.95)	PA00002-10
	<b>Total</b>		<b>\$ 650,000.00</b>	<b>\$ 524,409.97</b>	<b>\$ 120,418.59</b>	<b>\$ 644,828.56</b>	<b>\$ 5,171.44</b>	

**ITEM: INFORMATIONAL ITEM/STAFF REPORTS****20. REPORT ON ACTIVITY/PROGRESS ON CONTRACTS OVER \$25,000**

**Meeting Date:** February 25, 2021                      **Budgeted:** N/A

**From:** David J. Stoldt,                      **Program/** N/A  
    General Manager                      **Line Item No.:**

**Prepared By:** Suresh Prasad                      **Cost Estimate:** N/A

**General Counsel Review:** N/A

**Committee Recommendation:** The Administrative Committee reviewed this item on February 10, 2021.

**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

---

**SUMMARY:** Attached for review is **Exhibit 20-A**, monthly status report on contracts over \$25,000 for the period October 2020. This status report is provided for information only, no action is required.

**EXHIBIT**

**20-A** Status on District Open Contracts (over \$25k)





# EXHIBIT 20-A

215

## Monterey Peninsula Water Management District Status on District Open Contracts (over \$25K) For The Period November 2020

Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Expected Completion	Current Period Activity	P.O. Number
1 The Marketing Department	Outreach Consultant Contract FY 2020/2021	9/21/2020	\$ 36,000.00	\$ -	\$ 4,000.00	\$ 4,000.00		Current period retainer billing	PO02506
2 Hayashi & Wayland Accountancy Corp.	Audit services	6/15/2020	\$ 68,000.00	\$ 3,500.00	\$ 10,000.00	\$ 13,500.00		Current period billing for auditing services	PO02426
3 Martin B. Feeney, PG, CHG	Construction Management of PWM final well comissioning	8/17/2020	\$ 53,820.00	\$ 20,110.00	\$ 13,745.00	\$ 33,855.00		Current period billing related to PWM well commisioning	PO02403
4 De Lay & Laredo	Measure J/Rule 19.8 3rd Party Operations Phase II	12/16/2019	\$ 87,000.00	\$ -	\$ 18,690.50	\$ 18,690.50		Current period billing for 3rd party operations for Phase 2 Measure J	PO02398
5 Weston Solutions, Inc.	UXO Support Services	6/15/2020	\$ 26,378.70	\$ -	\$ 812.38	\$ 812.38		Current period billing related to ASR UXO support services	PO02371
6 Denise Duffy & Assoc. Inc.	CEQA addendum for ASR Parallel Pipeline	4/20/2020	\$ 28,567.00	\$ 23,754.74		\$ 23,754.74			PO02363
7 Lynx Technologies, Inc	Geographic Information Systems contractual services	6/15/2020	\$ 35,000.00	\$ 2,100.00		\$ 2,100.00			PO02357
8 Regional Government Services	Human Resouces contractual services	6/15/2020	\$ 70,000.00	\$ 21,381.70	\$ 4,398.35	\$ 25,780.05		Current period billing for HR services	PO02356
9 DeVeera Inc.	BDR Datto Services Contract FY 2020/2021	9/16/2019	\$ 26,352.00	\$ 8,784.00	\$ 2,196.00	\$ 10,980.00		Current period billing for IT backup services	PO02349
10 DeVeera Inc.	IT Managed Services Contract for FY 2020/2021	6/15/2020	\$ 57,012.00	\$ 19,004.00	\$ 4,751.00	\$ 23,755.00		Current period billing for IT managed services	PO02348
11 The Ferguson Group LLC	2020-21 - Legislative and Administrative Services	6/15/2020	\$ 99,500.00	\$ 32,280.06	\$ 8,066.53	\$ 40,346.59		Current period retainer billing	PO02339
12 JEA & Associates	Contract for Legislative and Administrative Services - FY 20-21	6/15/2020	\$ 35,000.00	\$ 10,000.00	\$ 2,500.00	\$ 12,500.00		Current period retainer billing	PO02338
13 MBAS	ASR Water Quality	6/15/2020	\$ 40,000.00	\$ 12,310.00	\$ 5,280.00	\$ 17,590.00		Current period billing related to ASR water quality testing	PO02330
14 Pueblo Water Resources, Inc.	ASR Operations Support	6/15/2020	\$ 75,000.00	\$ 1,995.00	\$ 2,310.00	\$ 4,305.00		Current period billing related to ASR operations support	PO02320
15 De Lay & Laredo	Measure J/Rule 19.8 Appraisal/MAI Services	6/15/2020	\$ 120,000.00	\$ 74,682.00	\$ 1,350.00	\$ 76,032.00		Current period billing appraisal services related to Phase 2 Measure J	PO02316
16 De Lay & Laredo	Measure J/Rule 19.8 Appraisal/Rate Study Phase II	12/16/2019	\$ 200,000.00	\$ 165,082.50	\$ 3,442.50	\$ 168,525.00		Current period billing rate study services related to Phase 2 Measure J	PO02282
17 De Lay & Laredo	Measure J/Rule 19.8 Operations Plan - Phase II	12/16/2019	\$ 145,000.00	\$ 47,972.50		\$ 47,972.50			PO02281
18 De Lay & Laredo	Measure J/Rule 19.8 CEQA Services Consultant	12/16/2019	\$ 134,928.00	\$ 129,889.49	\$ 4,890.05	\$ 134,779.54		Current period billing CEQA services related to Phase 2 Measure J	PO02273
19 Rutan & Tucker, LLP	Rule 19.8 Eminent Domain Legal Services Phase II	12/16/2019	\$ 200,000.00	\$ 143,139.01	\$ 8,779.93	\$ 151,918.94		Current period billing for eminent domain work related to phase 2 Measure J	PO02236
20 Norton Rose Fulbright	Cal-Am Desal Structuring & Financing Order	4/20/2015	\$ 307,103.13	\$ 38,557.29		\$ 38,557.29			PO02197
21 Pueblo Water Resources, Inc.	ASR SMWTF Engineering Services During Construction	10/21/2019	\$ 148,100.00	\$ 130,069.71	\$ 965.25	\$ 131,034.96		Current period billing related to ASR engineering services	PO02163
22 Specialty Construction, Inc.	ASR SMWTF Construction	10/21/2019	\$ 4,649,400.00	\$ 4,160,644.44		\$ 4,160,644.44			PO02162
23 Psomas	ASR Construction Management Services	8/19/2019	\$ 218,822.00	\$ 190,910.68	\$ 27,536.38	\$ 218,447.06		Current period billing related to ASR construction management services	PO02160
24 U.S. Bank Equipment Finance	Copier machine leasing - 60 months	7/15/2019	\$ 52,300.00	\$ 13,114.97	\$ 871.82	\$ 13,986.79	6/30/2024	Current period billing for photocopy machine lease	PO02108
25 Monterey One Water	Supplemental EIR Costs for PWM Expansion Project	3/18/2019	\$ 750,000.00	\$ 731,336.70		\$ 731,336.70			PO02095
26 Monterey One Water	Pre-Construction Costs for PWM Expansion Project	11/13/2017	\$ 360,000.00	\$ 312,617.94		\$ 312,617.94			PO02094

**EXHIBIT 20-A**

216

**Monterey Peninsula Water Management District  
Status on District Open Contracts (over \$25K)  
For The Period November 2020**

Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Expected Completion	Current Period Activity	P.O. Number
27	DUDEK	4/15/2019	\$ 95,600.00	\$ 94,315.05		\$ 94,315.05			PO01986
28	Denise Duffy & Associates	12/17/2018	\$ 55,000.00	\$ 53,322.32		\$ 53,322.32			PO01985
29	Tetra Tech, Inc.	7/16/2018	\$ 30,000.00	\$ 21,490.66		\$ 21,490.66			PO01880
30	Colantuono, Highsmith, & Whatley, PC	7/1/2018	\$ 60,000.00	\$ 54,628.80		\$ 54,628.80	6/30/2021		PO01874
31	Ecology Action of Santa Cruz	4/16/2018	\$ 152,600.00	\$ 86,362.33		\$ 86,362.33			PO01824
32	Pueblo Water Resources, Inc.	7/16/2018	\$ 96,034.00	\$ 68,919.39		\$ 68,919.39			PO01778
33	Rural Community Assistance Corporation	4/16/2018	\$ 100,000.00	\$ 69,095.92		\$ 69,095.92			PO01777
34	Mercer-Fraser Company	7/16/2018	\$ 1,802,835.00	\$ 1,786,834.91		\$ 1,786,834.91			PO01726
35	Fort Ord Reuse Authority	7/16/2018	\$ 55,215.00	\$ 8,241.72		\$ 8,241.72			PO01686
36	Pueblo Water Resources, Inc.	1/24/2018	\$ 70,000.00	\$ 68,652.56		\$ 68,652.56			PO01645
37	Pueblo Water Resources, Inc.	1/24/2018	\$ 68,679.00	\$ 36,795.25		\$ 36,795.25			PO01628
38	Pueblo Water Resources, Inc.	8/21/2017	\$ 94,437.70	\$ 44,318.11		\$ 44,318.11			PO01510
39	Normandeau Associates, Inc.	11/13/2017	\$ 35,000.00	\$ 24,180.00	\$ 292.50	\$ 24,472.50		Current period billing related to IFIM services	PO01509
40	Accela Inc.	11/13/2017	\$ 676,377.00	\$ 669,227.81		\$ 669,227.81	6/30/2021		PO01471
41	Balance Hydrologics, Inc	6/19/2017	\$ 51,360.00	\$ 50,894.32		\$ 50,894.32			PO01321
42	AECOM Technical Services, Inc.	1/25/2017	\$ 700,700.00	\$ 505,766.50		\$ 505,766.50			PO01268
43	Denise Duffy & Assoc. Inc.	1/25/2017	\$ 80,000.00	\$ 73,144.06		\$ 73,144.06			PO01202
44	Goodin,MacBride,Squeri,Day,Lamprey	7/1/2016	\$ 50,000.00	\$ 33,411.85		\$ 33,411.85	6/30/2021		PO01100
45	Whitson Engineers	9/19/2018	\$ 52,727.43	\$ 49,715.00		\$ 49,715.00			PO01076
46	HDR Engineering, Inc.	4/18/2016	\$ 310,000.00	\$ 309,751.71		\$ 309,751.71			PO01072
47	Michael Hutnak	8/19/2013	\$ 71,800.00	\$ 65,880.00		\$ 65,880.00			PO00123
48	Justin Huntington	8/19/2013	\$ 59,480.00	\$ 53,918.98		\$ 53,918.98			PO00122

**EXHIBIT 20-A**

217

**Monterey Peninsula Water Management District  
Status on District Open Contracts (over \$25K)  
For The Period December 2020**

Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Expected Completion	Current Period Activity	P.O. Number
1 Accela, Inc	Accela Annual Subscription Service 2021	6/15/2020	\$ 34,029.45	\$ -	\$ 34,029.45	\$ 34,029.45		Current period billing for Accela subscription services	PO02495
2 The Marketing Department	Outreach Consultant Contract FY 2020/2021	9/21/2020	\$ 36,000.00	\$ 4,000.00		\$ 4,000.00			PO02506
3 Hayashi & Wayland Accountancy Corp.	Audit services	6/15/2020	\$ 68,000.00	\$ 13,500.00	\$ 22,350.00	\$ 35,850.00		Current period billing for auditing services	PO02426
4 Martin B. Feeney, PG, CHG	Construction Management of PWM final well comissioning	8/17/2020	\$ 53,820.00	\$ 33,855.00		\$ 33,855.00			PO02403
5 De Lay & Laredo	Measure J/Rule 19.8 3rd Party Operations Phase II	12/16/2019	\$ 87,000.00	\$ 18,690.50		\$ 18,690.50			PO02398
6 Weston Solutions, Inc.	UXO Support Services	6/15/2020	\$ 26,378.70	\$ 812.38		\$ 812.38			PO02371
7 Denise Duffy & Assoc. Inc.	CEQA addendum for ASR Parallel Pipeline	4/20/2020	\$ 28,567.00	\$ 23,754.74		\$ 23,754.74			PO02363
8 Lynx Technologies, Inc	Geographic Information Systems contractual services	6/15/2020	\$ 35,000.00	\$ 2,100.00		\$ 2,100.00			PO02357
9 Regional Government Services	Human Resouces contractual services	6/15/2020	\$ 70,000.00	\$ 25,780.05	\$ 3,825.10	\$ 29,605.15		Current period billing for HR services	PO02356
10 DeVeera Inc.	BDR Datto Services Contract FY 2020/2021	9/16/2019	\$ 26,352.00	\$ 10,980.00	\$ 2,196.00	\$ 13,176.00		Current period billing for IT backup services	PO02349
11 DeVeera Inc.	IT Managed Services Contract for FY 2020/2021	6/15/2020	\$ 57,012.00	\$ 23,755.00	\$ 4,751.00	\$ 28,506.00		Current period billing for IT managed services	PO02348
12 The Ferguson Group LLC	2020-21 - Legislative and Administrative Services	6/15/2020	\$ 99,500.00	\$ 40,346.59	\$ 8,000.00	\$ 48,346.59		Current period retainer billing	PO02339
13 JEA & Associates	Contract for Legislative and Administrative Services - FY 20-21	6/15/2020	\$ 35,000.00	\$ 12,500.00	\$ 2,500.00	\$ 15,000.00		Current period retainer billing	PO02338
14 MBAS	ASR Water Quality	6/15/2020	\$ 40,000.00	\$ 17,590.00	\$ 5,463.75	\$ 23,053.75		Current period billing related to ASR water quality testing	PO02330
15 Pueblo Water Resources, Inc.	ASR Operations Support	6/15/2020	\$ 75,000.00	\$ 4,305.00		\$ 4,305.00			PO02320
16 De Lay & Laredo	Measure J/Rule 19.8 Appraisal/MAI Services	6/15/2020	\$ 120,000.00	\$ 76,032.00		\$ 76,032.00			PO02316
17 De Lay & Laredo	Measure J/Rule 19.8 Appraisal/Rate Study Phase II	12/16/2019	\$ 200,000.00	\$ 168,525.00		\$ 168,525.00			PO02282
18 De Lay & Laredo	Measure J/Rule 19.8 Operations Plan - Phase II	12/16/2019	\$ 145,000.00	\$ 47,972.50		\$ 47,972.50			PO02281
19 De Lay & Laredo	Measure J/Rule 19.8 CEQA Services Consultant	12/16/2019	\$ 134,928.00	\$ 134,779.54		\$ 134,779.54			PO02273
20 Rutan & Tucker, LLP	Rule 19.8 Eminent Domain Legal Services Phase II	12/16/2019	\$ 200,000.00	\$ 151,918.94		\$ 151,918.94			PO02236
21 Norton Rose Fulbright	Cal-Am Desal Structuring & Financing Order	4/20/2015	\$ 307,103.13	\$ 38,557.29		\$ 38,557.29			PO02197
22 Pueblo Water Resources, Inc.	ASR SMWTF Engineering Services During Construction	10/21/2019	\$ 148,100.00	\$ 131,034.96		\$ 131,034.96			PO02163
23 Specialty Construction, Inc.	ASR SMWTF Construction	10/21/2019	\$ 4,649,400.00	\$ 4,160,644.44	\$ 285,705.56	\$ 4,446,350.00		Current period billing related to ASR construction management services	PO02162
24 Psomas	ASR Construction Management Services	8/19/2019	\$ 218,822.00	\$ 218,447.06		\$ 218,447.06		Current period billing related to ASR construction management services	PO02160
25 U.S. Bank Equipment Finance	Copier machine leasing - 60 months	7/15/2019	\$ 52,300.00	\$ 13,986.79		\$ 13,986.79	6/30/2024		PO02108
26 Monterey One Water	Supplemental EIR Costs for PWM Expansion Project	3/18/2019	\$ 750,000.00	\$ 731,336.70		\$ 731,336.70			PO02095

# EXHIBIT 20-A

218

## Monterey Peninsula Water Management District Status on District Open Contracts (over \$25K) For The Period December 2020

Contract	Description	Date Authorized	Contract Amount	Prior Period Expended To Date	Current Period Spending	Total Expended To Date	Expected Completion	Current Period Activity	P.O. Number
27	Monterey One Water	Pre-Construction Costs for PWM Expansion Project	11/13/2017	\$ 360,000.00	\$ 312,617.94		\$ 312,617.94		PO02094
28	DUDEK	Consulting Services for Prop 1 grant proposal	4/15/2019	\$ 95,600.00	\$ 94,315.05		\$ 94,315.05		PO01986
29	Denise Duffy & Associates	Consulting Services IRWM plan update	12/17/2018	\$ 55,000.00	\$ 53,322.32		\$ 53,322.32		PO01985
30	Tetra Tech, Inc.	Engineering services Sleepy Hollow Facility Upgrade	7/16/2018	\$ 30,000.00	\$ 21,490.66		\$ 21,490.66		PO01880
31	Colantuono, Highsmith, & Whatley, PC	Legal Services for MCWD vs PUC Matter for FY 2018-2019	7/1/2018	\$ 60,000.00	\$ 54,628.80		\$ 54,628.80	6/30/2021	PO01874
32	Ecology Action of Santa Cruz	IRWM HEART Grant	4/16/2018	\$ 152,600.00	\$ 86,362.33		\$ 86,362.33		PO01824
33	Pueblo Water Resources, Inc.	ASR Backflush Basin Expansion, CM services	7/16/2018	\$ 96,034.00	\$ 68,919.39		\$ 68,919.39		PO01778
34	Rural Community Assistance Corporation	IRWM DAC Needs Assessment	4/16/2018	\$ 100,000.00	\$ 69,095.92		\$ 69,095.92		PO01777
35	Mercer-Fraser Company	Sleepy Hollow Intake upgrade project	7/16/2018	\$ 1,802,835.00	\$ 1,786,834.91		\$ 1,786,834.91		PO01726
36	Fort Ord Reuse Authority	ASR Backflush basin expansion project UXO support	7/16/2018	\$ 55,215.00	\$ 8,241.72		\$ 8,241.72		PO01686
37	Pueblo Water Resources, Inc.	ASR operations support	1/24/2018	\$ 70,000.00	\$ 68,652.56		\$ 68,652.56		PO01645
38	Pueblo Water Resources, Inc.	Seaside Groundwater Basin Geochemical Study	1/24/2018	\$ 68,679.00	\$ 36,795.25		\$ 36,795.25		PO01628
39	Pueblo Water Resources, Inc.	SSAP Water Quality Study	8/21/2017	\$ 94,437.70	\$ 44,318.11		\$ 44,318.11		PO01510
40	Normandeau Associates, Inc.	Assistance with IFIM Study	11/13/2017	\$ 35,000.00	\$ 24,472.50	\$ 910.00	\$ 25,382.50	Current period billing related to IFIM services	PO01509
41	Accela Inc.	Acquisition of Water Demand Database System	11/13/2017	\$ 676,377.00	\$ 669,227.81		\$ 669,227.81	6/30/2021	PO01471
42	Balance Hydrologics, Inc	Design Work for San Carlos Restoration Project	6/19/2017	\$ 51,360.00	\$ 50,894.32		\$ 50,894.32		PO01321
43	AECOM Technical Services, Inc.	Los Padres Dam Alternatives Study	1/25/2017	\$ 700,700.00	\$ 505,766.50		\$ 505,766.50		PO01268
44	Denise Duffy & Assoc. Inc.	MMRP Services for Monterey Pipeline	1/25/2017	\$ 80,000.00	\$ 73,144.06		\$ 73,144.06		PO01202
45	Goodin,MacBride,Squeri,Day,Lamprey	User Fee PUC Proceedings Legal Fee	7/1/2016	\$ 50,000.00	\$ 33,411.85		\$ 33,411.85	6/30/2021	PO01100
46	Whitson Engineers	Carmel River Thawleg Survey	9/19/2018	\$ 52,727.43	\$ 49,715.00		\$ 49,715.00		PO01076
47	HDR Engineering, Inc.	Los Padres Dam Fish Passage Study	4/18/2016	\$ 310,000.00	\$ 309,751.71		\$ 309,751.71		PO01072
48	Michael Hutnak	GS Flow Modeling for Water Resources Planning	8/19/2013	\$ 71,800.00	\$ 65,880.00		\$ 65,880.00		PO00123
49	Justin Huntington	GS Flow Modeling for Water Resources Planning	8/19/2013	\$ 59,480.00	\$ 53,918.98		\$ 53,918.98		PO00122

**ITEM: INFORMATIONAL ITEM/STAFF REPORT****21. LETTERS RECEIVED****Meeting Date: February 25, 2021****Budgeted: N/A****From: David J. Stoldt,  
General Manager****Program/ N/A  
Line Item No.:****Prepared By: Joel G. Pablo****Cost Estimate: N/A****General Counsel Review: N/A****Committee Recommendation: N/A****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

A list of letters submitted to the Board of Directors or General Manager and received between January 20, 2021 and February 16, 2021 is shown below. The purpose of including a list of these letters in the Board packet is to inform the Board and interested citizens. Copies of the letters are available for public review at the District office. If a member of the public would like to receive a copy of any letter listed, please contact the District office. Reproduction costs will be charged. The letters can also be downloaded from the District's web site at [www.mpwmd.net](http://www.mpwmd.net).

<b>Author</b>	<b>Addressee</b>	<b>Date</b>	<b>Topic</b>
Hans Uslar	David Stoldt	January 15, 2021	City of Monterey Declining Request to Sign an Agreement to Indemnify and Defend MPWMD on an Allocation of Water from the District's reserves
David L. Stivers	David Stoldt	January 21, 2021	Missed Milestones- Ceased and Desist Order WRCB Order WR-2016-0016
Patrick J. Breen	David Stoldt	January 22, 2021	Invitation to Provide Input and Comments on an Updated Urban Water Management Plan (UWMP)
Amanda Ingham	George Riley	January 29, 2021	NOAA's National Marine Fisheries Service's (NMFS) Comments on the Construction of a Bypass Pipeline to Allow Simultaneous Pure Water Monterey Recovery and Aquifer Storage Recovery Injection
Rick Heuer	David Stoldt	February 9, 2021	Nomination for Replacement of Paul Bruno as MPTA Representative on Ordinance No. 152 Oversight Committee



**ITEM: INFORMATIONAL ITEM/STAFF REPORT****22. COMMITTEE REPORTS**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Joel G. Pablo</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: N/A**

**CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

Attached for your review as **Exhibits 22-A through 22-C** are the final minutes of the committee meetings listed below.

**EXHIBITS**

- 22-A** January 13, 2021: Administrative Committee
- 22-B** January 7, 2021: Water Demand Committee of the Monterey Peninsula Water Management District
- 22-C** January 4, 2021: Water Supply Planning Committee of the Monterey Peninsula Water Management District







## **EXHIBIT 22-A**

### **FINAL MINUTES Monterey Peninsula Water Management District Administrative Committee January 13, 2021**

#### **Call to Order**

The meeting was called to order at 4:05 PM via WebEx.

Committee members present: Alvin Edwards  
George Riley

Staff present: David Stoldt, General Manager  
Jonathan Lear, Water Resources Manager  
Suresh Prasad, Administrative Services Manager/Chief Financial Officer  
Maureen Hamilton, Water Resources Engineer  
Sara Reyes, Sr. Office Specialist

#### **Comments from Public**

None

#### **Consent Calendar**

On a motion by Riley and second by Edwards, the committee voted to approve Consent Calendar items 1, 2, 3, 4 and 5. The motion was approved 2 – 0 on a roll call vote by Riley and Edwards.

1. **Consider Adoption of December 8, 2020 Administrative Committee Meeting Minutes**  
Approved.
2. **Review Annual Disclosure Statement of Employee/Board Reimbursements for Fiscal Year 2019-2020**  
Approved.
3. **Consider Authorizing a Contract Amendment with Martin Feeney for Performing Project Management for the Final Conditioning of the Pure Water Monterey Injection Well Field**  
Approved.
4. **Consider Approval of Annual Update of Investment Policy**  
Approved.
5. **Consider Adoption of Treasurer's Report for October 2020**  
Approved.

#### **Informational Items**

6. **Report on Activity/Progress on Contracts Over \$25,000**

This item was presented as information to the committee. No action was required or taken by the committee.

**7. Status Report on Measure J/Rule 19.8 Phase II Spending**

This item was presented as information to the committee. No action was required or taken by the committee.

**8. Monthly Progress Report – Santa Margarita Water Treatment Facility**

This item was presented as information to the committee. No action was required or taken by the committee.

**Other Items**

**9. Review Draft Board Meeting Agendas for January 25 and January 28, 2021**

General Manager Stoldt reported that an additional action item would be added to the January 25<sup>th</sup> agenda and that he would include under the General Manager's report the Monthly Progress Report for the Santa Margarita Water Treatment Facility.

**Suggest Items to be Placed on Future Agendas**

No items were presented.

**Adjournment**

The meeting adjourned at 4:34 PM.

U:\staff\Boardpacket\2021\20210225\Informational Items\22\Item-22-Exh-A.docx



## **EXHIBIT 22-B**

### **FINAL MINUTES Water Demand Committee of the Monterey Peninsula Water Management District January 7, 2021**

#### **Call to Order**

The virtual meeting was called to order at 3 pm via WebEx.

#### **Committee members present:**

Alvin Edwards, Chair  
George Riley

#### **Staff members present:**

David Stoldt, General Manager  
Stephanie Locke, Water Demand Division Manager  
Sara Reyes, Sr. Office Specialist

#### **District Counsel present:**

David Laredo

#### **Comments from the Public:**

No comments were directed to the committee.

#### **Action Items**

1. **Consider Adoption of December 3, 2020 Committee Meeting Minutes**  
On a motion by Riley, seconded by Edwards, minutes of the December 3, 2020 committee meeting were approved on a roll-call vote of 2 – 0 by Riley and Edwards.
2. **Consider Recommendation to Board on Draft Ordinance No. 187 – Establishing a Water Use Credit Process for Department of Defense Sites and Authorizing the General Manager to Extend Water Use Credits for One Year for Justifiable Cause**  
On a motion by Riley, seconded by Edwards, the committee recommended that the Board of Directors recommend approval of Ordinance No. 187. The motion was approved on a roll-call vote of 2 – 0 by Riley and Edwards.
3. **Suggest Items to be Placed on Future Agendas**  
None

**Adjournment:** The meeting adjourned at 3:34 pm.

U:\staff\Boardpacket\2021\20210225\Informational Items\22\Item-22-Exh-B.docx





## **EXHIBIT 22-C**

### **FINAL MINUTES Water Supply Planning Committee of the Monterey Peninsula Water Management District *January 4, 2021***

**Call to Order:** The WebEx virtual meeting was called to order at 4:00 pm.

**Committee members present:** George Riley, Chair  
Mary Adams  
Alvin Edwards

**Committee members absent:** None

**Staff members present:** David J. Stoldt, General Manager  
Jonathan Lear, Water Resources Division Manager  
Thomas Christensen, Environmental Resources Div. Mgr.  
Maureen Hamilton, Water Resources Engineer  
Sara Reyes, Sr. Office Specialist

**District Counsel present:** David Laredo, De Lay & Laredo

**Comments from the Public:**

#### **Action Items**

1. **Consider Adoption of December 7, 2020 Committee Meeting Minutes**  
On a motion by Edwards and seconded by Adams, minutes of the December 7, 2020 meeting were approved on a unanimous vote of 3 – 0 by Adams, Edwards and Riley.

#### **Discussion Items**

2. **Discussion of Replenishment Fund – Seaside Groundwater Basin**  
General Manager Stoldt reported on two documents from the Watermaster Annual report, also shown as exhibits 2-A and 2-B to the staff report presented for this item. Exhibit 2-A is the Updated Replenishment Assessment Unit Costs and displays anticipated unit costs of water calculations. The unit costs are applied to any overages to the Natural Safe Yield and the Operating Yield. These two separate unit costs are assessed in combination with each other, (\$2,947 per acre-foot for exceeding the Natural Safe Yield and \$737 per acre-foot for exceeding the Operating Yield on the Seaside Basin). Exhibit 2-B demonstrates how the Replenishment Assessment were calculated for Water Year 2020.

Public Comment: None

3. **Update on Pure Water Monterey Project**  
Stoldt reported that final conditioning of deep injection well # 2 occurred through December 2020 and is almost complete. As of Friday, December 31, 2020 it was injecting at 490 gallons per minute which is very close to the last injection rate. He reported that Fiscal year to date, the best month was November with just under 223 acre-feet and December with 184 acre-feet.

Total injected to date is 990 acre-feet since July 1, 2020. 1,053 acre-feet is in the operating reserve and water delivered to date is 675 acre-feet.

Maureen Hamilton, Water Resources Engineer, reported the deep injection well no. 2 final commissioning was completed on New Year's Eve. Water is going back into deep injection well #2 and injection also begun on Vados well #2. She reported that the well was not sanding as before so staff is optimistic. For deep injection wells 3 and 4, will be ordering materials as submittals are approved.

Public Comment: None

**4. Update on ASR Construction**

Hamilton reported that the final payment request was processed for ASR 1, and the punch list items will be reviewed. She reported there is a plan to discuss with Cal-Am the option of just having dichlorination at the Santa Margarita site.

Public Comment: None

**Suggest Items to be Placed on Future Agendas**

**Adjournment:** The meeting was adjourned at 5:00 pm.

U:\staff\Boardpacket\2021\20210225\Informational Items\22\Item-22-Exh-C.docx

**ITEM: INFORMATIONAL ITEM/STAFF REPORTS****23. MONTHLY ALLOCATION REPORT**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program:</b>	<b>N/A</b>
		<b>Line Item No.:</b>	
<b>Prepared By:</b>	<b>Gabriela Bravo</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: N/A****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** As of January 31, 2021, a total of **26.419** acre-feet (**7.7%**) of the Paralta Well Allocation remained available for use by the Jurisdictions. Pre-Paralta water in the amount of **34.355** acre-feet is available to the Jurisdictions, and **28.839** acre-feet is available as public water credits.

**Exhibit 23-A** shows the amount of water allocated to each Jurisdiction from the Paralta Well Allocation, the quantities permitted in January 2021 (“changes”), and the quantities remaining. The Paralta Allocation had no debits in January 2021.

**Exhibit 23-A** also shows additional water available to each of the Jurisdictions. Additional water from expired or canceled permits that were issued before January 1991 are shown under “PRE-Paralta.” Water credits used from a Jurisdiction’s “public credit” account are also listed. Transfers of Non-Residential Water Use Credits into a Jurisdiction’s Allocation are included as “public credits.” **Exhibit 23-B** shows water available to Pebble Beach Company and Del Monte Forest Benefited Properties, including Macomber Estates, Griffin Trust. Another table in this exhibit shows the status of Sand City Water Entitlement and the Malpaso Water Entitlement.

**BACKGROUND:** The District’s Water Allocation Program, associated resource system supply limits, and Jurisdictional Allocations have been modified by a number of key ordinances. These key ordinances are listed in **Exhibit 23-C**.

**EXHIBITS****23-A** Monthly Allocation Report**23-B** Monthly Entitlement Report**23-C** District’s Water Allocation Program Ordinances





**EXHIBIT 23-A**  
**MONTHLY ALLOCATION REPORT**  
**Reported in Acre-Feet**  
**For the month of January 2021**

Jurisdiction	Paralta Allocation*	Changes	Remaining	PRE-Paralta Credits	Changes	Remaining	Public Credits	Changes	Remaining	Total Available
<b>Airport District</b>	8.100	0.000	5.197	0.000	0.000	0.000	0.000	0.000	0.000	5.197
<b>Carmel-by-the-Sea</b>	19.410	0.000	1.398	1.081	0.000	1.081	0.910	0.000	0.182	2.661
<b>Del Rey Oaks</b>	8.100	0.000	0.000	0.440	0.000	0.000	0.000	0.000	0.000	0.000
<b>Monterey</b>	76.320	0.000	0.245	50.659	0.000	0.030	38.121	0.000	2.300	2.575
<b>Monterey County</b>	87.710	0.000	10.579	13.080	0.000	0.352	7.827	0.000	1.775	12.706
<b>Pacific Grove</b>	25.770	0.000	0.000	1.410	0.000	0.014	15.874	0.000	0.065	0.079
<b>Sand City</b>	51.860	0.000	0.000	0.838	0.000	0.000	24.717	0.000	23.373	23.373
<b>Seaside</b>	65.450	0.000	0.000	34.438	0.671	32.878	2.693	0.000	1.144	34.022
<b>District Reserve</b>	9.000	0.000	9.000	N/A			N/A			9.000
<b>TOTALS</b>	<b>342.720</b>	<b>0.000</b>	<b>26.419</b>	<b>101.946</b>	<b>0.671</b>	<b>34.355</b>	<b>90.142</b>	<b>0.000</b>	<b>28.839</b>	<b>89.613</b>

Allocation Holder	Water Available	Changes this Month	Total Demand from Water Permits Issued	Remaining Water Available
<b>Quail Meadows</b>	33.000	0.000	32.320	0.680
<b>Water West</b>	12.760	0.028	9.592	3.168

\* Does not include 15.280 Acre-Feet from the District Reserve prior to adoption of Ordinance No. 73.



**EXHIBIT 23-B**  
**MONTHLY ALLOCATION REPORT**  
**ENTITLEMENTS**  
**Reported in Acre-Feet**  
**For the month of January 2021**

**Recycled Water Project Entitlements**

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
<b>Pebble Beach Co. <sup>1</sup></b>	219.760	0.00	31.302	188.458
<b>Del Monte Forest Benefited Properties <sup>2</sup></b> <b>(Pursuant to Ord No. 109)</b>	145.240	0.153	58.652	86.588
<b>Macomber Estates</b>	10.000	0.000	10.000	0.000
<b>Griffin Trust</b>	5.000	0.000	4.829	0.171
<b>CAWD/PBCSD Project Totals</b>	<b>380.000</b>	<b>0.153</b>	<b>104.783</b>	<b>275.217</b>

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
<b>City of Sand City</b>	206.000	0.000	7.115	198.885
<b>Malpaso Water Company</b>	80.000	0.023	18.288	61.712
<b>D.B.O. Development No. 30</b>	13.950	0.000	3.784	10.166
<b>City of Pacific Grove</b>	38.390	0.107	4.948	33.442
<b>Cypress Pacific</b>	3.170	0.000	3.170	0.000

Increases in the Del Monte Forest Benefited Properties Entitlement will result in reductions in the Pebble Beach Co. Entitlement.



## EXHIBIT 23-C

### **District's Water Allocation Program Ordinances**

**Ordinance No. 1** was adopted in September 1980 to establish interim municipal water allocations based on existing water use by the jurisdictions. Resolution 81-7 was adopted in April 1981 to modify the interim allocations and incorporate projected water demands through the year 2000. Under the 1981 allocation, Cal-Am's annual production limit was set at 20,000 acre-feet.

**Ordinance No. 52** was adopted in December 1990 to implement the District's water allocation program, modify the resource system supply limit, and to temporarily limit new uses of water. As a result of Ordinance No. 52, a moratorium on the issuance of most water permits within the District was established. Adoption of Ordinance No. 52 reduced Cal-Am's annual production limit to 16,744 acre-feet.

**Ordinance No. 70** was adopted in June 1993 to modify the resource system supply limit, establish a water allocation for each of the jurisdictions within the District, and end the moratorium on the issuance of water permits. Adoption of Ordinance No. 70 was based on development of the Paralta Well in the Seaside Groundwater Basin and increased Cal-Am's annual production limit to **17,619** acre-feet. More specifically, Ordinance No. 70 allocated 308 acre-feet of water to the jurisdictions and 50 acre-feet to a District Reserve for regional projects with public benefit.

**Ordinance No. 73** was adopted in February 1995 to eliminate the District Reserve and allocate the remaining water equally among the eight jurisdictions. Of the original 50 acre-feet that was allocated to the District Reserve, 34.72 acre-feet remained and was distributed equally (4.34 acre-feet) among the jurisdictions.

**Ordinance No. 74** was adopted in March 1995 to allow the reinvestment of toilet retrofit water savings on single-family residential properties. The reinvested retrofit credits must be repaid by the jurisdiction from the next available water allocation and are limited to a maximum of 10 acre-feet. This ordinance sunset in July 1998.

**Ordinance No. 75** was adopted in March 1995 to allow the reinvestment of water saved through toilet retrofits and other permanent water savings methods at publicly owned and operated facilities. Fifteen percent of the savings are set aside to meet the District's long-term water conservation goal and the remainder of the savings are credited to the jurisdictions allocation. This ordinance sunset in July 1998.

**Ordinance No. 83** was adopted in April 1996 and set Cal-Am's annual production limit at **17,621** acre-feet and the non-Cal-Am annual production limit at **3,046** acre-feet. The modifications to the production limit were made based on the agreement by non-Cal-Am water users to permanently reduce annual water production from the Carmel Valley Alluvial Aquifer in exchange for water service from Cal-Am. As part of the agreement, fifteen percent of the historical non-Cal-Am production was set aside to meet the District's long-term water conservation goal.

**Ordinance No. 87** was adopted in February 1997 as an urgency ordinance establishing a community benefit allocation for the planned expansion of the Community Hospital of the Monterey Peninsula (CHOMP). Specifically, a special reserve allocation of 19.60 acre-feet of production was created exclusively for the benefit of CHOMP. With this new allocation, Cal-Am's annual production limit was increased to **17,641** acre-feet and the non-Cal-Am annual production limit remained at **3,046** acre-feet.

**Ordinance No. 90** was adopted in June 1998 to continue the program allowing the reinvestment of toilet retrofit water savings on single-family residential properties for 90-days following the expiration of Ordinance No. 74. This ordinance sunset in September 1998.

**Ordinance No. 91** was adopted in June 1998 to continue the program allowing the reinvestment of water saved through toilet retrofits and other permanent water savings methods at publicly owned and operated facilities.

**Ordinance No. 90 and No. 91** were challenged for compliance with CEQA and nullified by the Monterey Superior Court in December 1998.

**Ordinance No. 109** was adopted on May 27, 2004, revised Rule 23.5 and adopted additional provisions to facilitate the financing and expansion of the CAWD/PBCSD Recycled Water Project.

**Ordinance No. 132** was adopted on January 24, 2008, established a Water Entitlement for Sand City and amended the rules to reflect the process for issuing Water Use Permits.

**Ordinance No. 165** was adopted on August 17, 2015, established a Water Entitlement for Malpas Water Company and amended the rules to reflect the process for issuing Water Use Permits.

**Ordinance No. 166** was adopted on December 15, 2015, established a Water Entitlement for D.B.O. Development No. 30.

**Ordinance No. 168** was adopted on January 27, 2016, established a Water Entitlement for the City of Pacific Grove.

**ITEM: INFORMATIONAL ITEM/STAFF REPORT****24. WATER CONSERVATION PROGRAM REPORT****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David J. Stoldt,  
General Manager **Program/  
Line Item No.** N/A**Prepared By:** Kyle Smith **Cost Estimate:** N/A**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**I. MANDATORY WATER CONSERVATION RETROFIT PROGRAM**

District Regulation XIV requires the retrofit of water fixtures upon Change of Ownership or Use with High Efficiency Toilets (HET) (1.28 gallons-per-flush), 2.0 gallons-per-minute (gpm) Showerheads, 1.2 gpm Washbasin faucets, 1.8 gpm Kitchen, Utility, and Bar Sink faucets, and Rain Sensors on all automatic Irrigation Systems. Property owners must certify the Site meets the District's water efficiency standards by submitting a Water Conservation Certification Form (WCC), and a Site inspection is occasionally conducted to verify compliance.

**A. Changes of Ownership**

Information is obtained monthly from *Realquest.com* on properties transferring ownership within the District. The information is compared against the properties that have submitted WCCs. Details on **80** property transfers that occurred between January 1, 2021, and January 31, 2021, were added to the database.

**B. Certification**

The District received **52** WCCs between January 1, 2021, and January 31, 2021. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

**C. Verification**

From January 1, 2021, to January 31, 2021, **43** properties were verified compliant with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **43** verifications, **35** properties verified compliance by submitting certification forms and/or receipts. District staff completed **17** Site inspections. Of the **17** properties verified, **8 (47%)** passed.

Note that most Site inspections were suspended March 13, 2020, due to concerns about the novel coronavirus. Staff has continued to certify properties electronically through owner certification or other methods. Site inspections may be done in limited cases when the property is vacant and staff has access without others present. Safety protocols (e.g. masks, gloves, hand sanitizer, etc.) are in place for those instances.

D. CII Compliance with Water Efficiency Standards

Effective January 1, 2014, all Non-Residential properties were required to meet Rule 143, Water Efficiency Standards for Existing Non-Residential Uses. To verify compliance with these requirements, property owners and businesses are sent notification of the requirements and a date that inspectors will be on Site to check the property. In January, District inspectors performed **no** verification inspections.

MPWMD is forwarding its CII inspection findings to California American Water (Cal-Am) for their verification with the Rate Best Management Practices (Rate BMPs) that are used to determine the appropriate Non-Residential rate division. Compliance with MPWMD's Rule 143 achieves Rate BMPs for indoor water uses. Properties with landscaping must also comply with Cal-Am's outdoor Rate BMPs to avoid Division 4 (Non-Rate BMP Compliant) rates. In addition to sharing information about indoor Rate BMP compliance, MPWMD notifies Cal-Am of properties with landscaping. Cal-Am then conducts an outdoor audit to verify compliance with the Rate BMPs. During January 2021, MPWMD referred **no** properties to Cal-Am for verification of outdoor Rate BMPs.

E. Water Waste Enforcement

The District has a Water Waste Hotline 831-658-5653 or an online form to report Water Waster occurrences at [www.mpwmd.net](http://www.mpwmd.net) or [www.montereywaterinfo.org](http://www.montereywaterinfo.org). There were **no** Water Waste responses during the past month. There were **no** repeated incidents that resulted in a fine.

## II. WATER DEMAND MANAGEMENT

A. Permit Processing

Since March 18, 2020, the District has been processing only electronic applications for Water Permits. Information can be found at <https://www.mpwmd.net/regulations/water-permits>.

District Rule 23 requires a Water Permit application for all properties that propose to expand or modify water use on a Site, including New Construction and Remodels. District staff processed and issued **44** Water Permits from January 1, 2021 to January 31, 2021. **Six** Water Permits were issued using Water Entitlements (Pebble Beach Company, Malpas Water, etc.). No Water Permits involved a debit to a Public Water Credit Account. In addition to those Water Permits issued in January, **seven** Meter Permits and **four** Hydrant Meter Permits were issued. All Water Permits have a disclaimer informing applicants of the Cease and Desist Order against California American Water and that MPWMD reports Water Permit details to California American Water.

District Rule 24-3-A allows the addition of a second Bathroom in an existing Dwelling Unit. Of the **44** Water Permits issued from January 1, 2021, to January 31, 2021, **none** were issued under this provision.

B. Permit Compliance

District staff completed **six** conditional Water Permit finals during January 2021. Staff completed **40** site inspections of vacant properties. **Twenty-eight** properties passed and **seven** failed due to unpermitted fixtures.



### C. Deed Restrictions

District staff prepares deed restrictions that are recorded on the property title to provide notice of District Rules and Regulations, enforce Water Permit conditions, and provide notice of public access to water records. In April 2001, the District Board of Directors adopted a policy regarding the processing of deed restrictions. As of March 18, 2020, MPWMD offices are closed to the public. While still processing and issuing Water Permits, staff is no longer available for notary services. Applicants can obtain notary services at local UPS stores and other locations. Staff receives notarized deed restrictions via email and records the documents electronically with the County.

### D. Rebates

Rebates continue to be processed during the Shelter-in-Place.

REBATE PROGRAM SUMMARY		January-2021				2021 YTD		1997 - Present	
I.	<u>Application Summary</u>								
	A.	Applications Received	120			120		28,463	
	B.	Applications Approved	92			92		22,197	
	C.	Single Family Applications	90			90		25,242	
	D.	Multi-Family Applications	2			2		1,525	
	E.	Non-Residential Applications	0			0		358	
II.	<u>Type of Devices Rebated</u>		Number of devices	Rebate Paid	Estimated AF	Gallons Saved	Year to Date Number	Year to Date Paid	Year to Date Estimated AF
	A.	High Efficiency Toilet (HET)	33	\$2,400.00	0.1650	53,765	33	\$2,400.00	0.16500
	B.	Ultra HET	3	\$375.00	0.0300	9,776	3	\$375.00	0.03000
	C.	Toilet Flapper			0.0000	0	0	\$0.00	0.00000
	D.	High Efficiency Dishwasher	11	\$1,375.00	0.0330	10,753	11	\$1,375.00	0.03300
	E.	High Efficiency Clothes Washer - Res	41	\$9,500.00	0.6601	215,094	41	\$9,500.00	0.66010
	F.	High Efficiency Clothes Washer - Com			0.0000	0	0	\$0.00	0.00000
	G.	Instant-Access Hot Water System	1	\$200.00	0.0050	1,629	1	\$200.00	0.00500
	H.	Zero Use Urinals			0.0000	0	0	\$0.00	0.00000
	I.	Pint Urinals			0.0000	0	0	\$0.00	0.00000
	J.	Cisterns	5	\$4,850.00	0.0000	0	5	\$4,850.00	0.00000
	K.	Smart Controllers	3	\$274.99	0.0000	0	3	\$274.99	0.00000
	L.	Rotating Sprinkler Nozzles			0.0000	0	0	\$0.00	0.00000
	M.	Moisture Sensors	1	\$25.00	0.0000	0	1	\$25.00	0.00000
	N.	Lawn Removal & Replacement			0.0000	0	0	\$0.00	0.00000
	O.	Graywater			0.0000	0	0	\$0.00	0.00000
	R.	Other			0.0000	0	0	\$0.00	0.00000
III.	<u>TOTALS</u>		98	\$18,999.99	0.8931	291,018	98	\$18,999.99	0.89310



**ITEM: INFORMATIONAL ITEM/STAFF REPORTS****25. CARMEL RIVER FISHERY REPORT FOR JANUARY 2021****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David J. Stoldt,  
General Manager **Program/  
Line Item No.:** N/A**Prepared By:** Beverly Chaney **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**AQUATIC HABITAT AND FLOW CONDITIONS:** Following a very dry fall and early winter, a large atmospheric river (AR) hit the central coast in late January bringing much needed precipitation to the region. Los Padres Reservoir filled, and the river peaked at approximately 2,000 cubic-feet-per-second (cfs) in the lower valley. Despite sandbar management before the storm, the high flows coupled with large storm waves caused the lagoon to fill to over 15 feet elevation, flooding several nearby homes. Once the initial peak flow receded, migration conditions for both upstream adults and downstream juveniles was excellent.

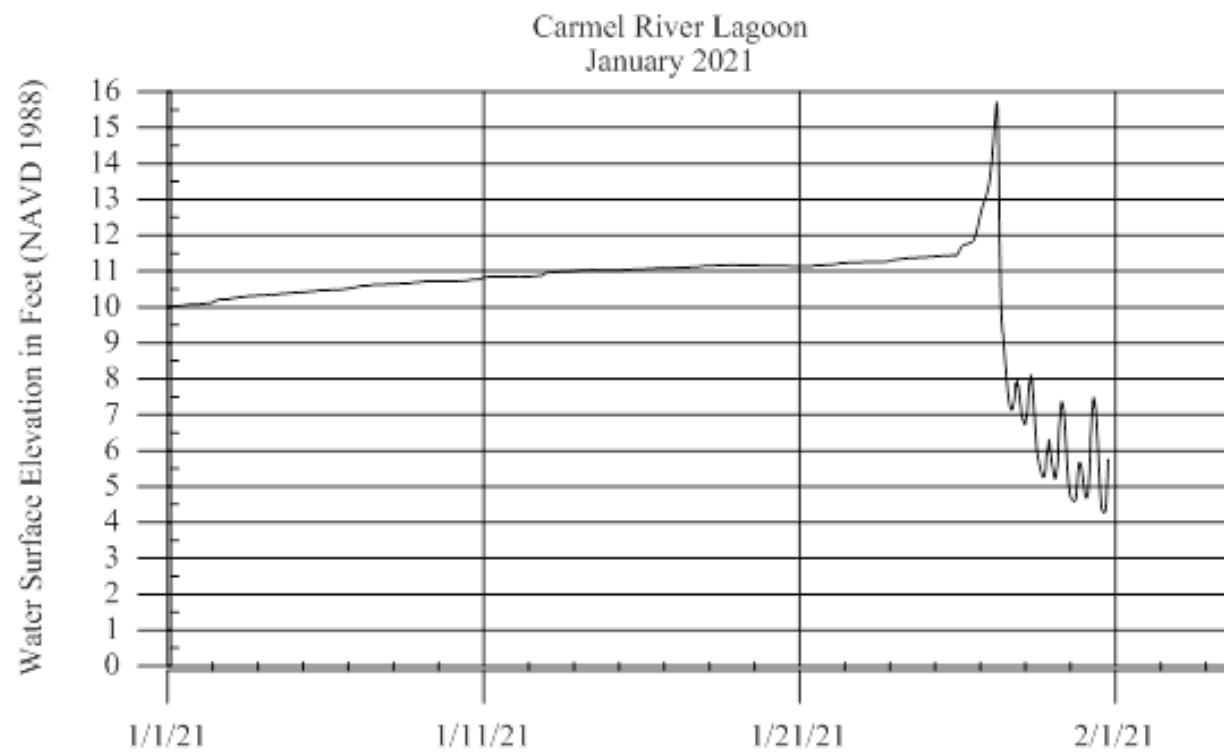
January's mean daily streamflow at the Sleepy Hollow Weir increased from 9.4 to 1,360 cubic-feet-per-second (cfs) (monthly mean 95.5 cfs) resulting in 5,870 acre-feet (AF) of runoff while the Highway 1 gage increased from 4.3 to 1,310 cubic-feet-per-second (cfs) (monthly mean 89.4 cfs) resulting in 5,500 acre-feet (AF) of runoff.

There were 7.96 inches of rainfall in January as recorded at the San Clemente gauge. The rainfall total for WY 2021 (which started on October 1, 2020) is 9.20 inches, or 83% of the long-term year-to-date average of 11.10 inches.

**CARMEL RIVER LAGOON:** During January, the lagoon water surface elevation (WSE) rose from approximately 10.0 to 15.6 feet on January 26<sup>th</sup> due to high river flow and high storm waves building up the beach berm. The lagoon fully opened on the 26<sup>th</sup> and quickly drained to approximately 8 feet before settling at 5.8 feet on the 31<sup>st</sup> (North American Vertical Datum of 1988; NAVD 88) (See graph below).

**RESISTANCE BOARD WEIR:** As part of the District's steelhead life cycle monitoring program, FishBio Consulting was hired to design and install a fish weir in the lower river to temporarily trap migrating adult steelhead for tagging and measurement. The installation was completed in January and after repairing minor damage to the weir from the high flows was fully operational the first week of February as the adult migration began.

## Carmel River Lagoon Plot:



**ITEM: INFORMATIONAL ITEM/STAFF REPORT****26. MONTHLY WATER SUPPLY AND CALIFORNIA AMERICAN WATER PRODUCTION REPORT****Meeting Date: February 25, 2021 Budgeted: N/A****From: David J. Stoldt, General Manager Program/ Line Item No.: N/A****Prepared By: Jonathan Lear Cost Estimate: N/A****General Counsel Review: N/A****Committee Recommendation: N/A**

**CEQA Compliance:** Exempt from environmental review per SWRCB Order Nos. 95-10 and 2016-0016, and the Seaside Basin Groundwater Basin adjudication decision, as amended and Section 15268 of the California Environmental Quality Act (CEQA) Guidelines, as a ministerial project; Exempt from Section 15307, Actions by Regulatory Agencies for Protection of Natural Resources.

---

**Exhibit 26-A** shows the water supply status for the Monterey Peninsula Water Resources System (MPWRS) as of **February 1, 2021**. This system includes the surface water resources in the Carmel River Basin, the groundwater resources in the Carmel Valley Alluvial Aquifer and the Seaside Groundwater Basin. **Exhibit 26-A** is for Water Year (WY) 2021 and focuses on four factors: rainfall, runoff, and storage. The rainfall and Streamflow values are based on measurements in the upper Carmel River Basin at Sleepy Hollow Weir.

**Water Supply Status:** Rainfall through **January** 2021 totaled **7.96 inches** and brings the cumulative rainfall total for WY 2021 to **11.14 inches**, which is **85%** of the long-term average through **January**. Estimated unimpaired runoff through **January** totaled **6,672 acre-feet (AF)** and brings the cumulative runoff total for WY 2021 to **8,328 AF**, which is **4%** of the long-term average through **January**. Usable storage for the MRWPRS was **29,310 acre-feet**, which is **97%** of average through **December**, and equates to **88%** percent of system capacity.

**Production Compliance:** Under State Water Resources Control Board (SWRCB) Cease and Desist Order No. 2016-0016 (CDO), California American Water (Cal-Am) is allowed to produce no more than 7,310 AF of water from the Carmel River in WY 2021. Through **January**, using the CDO accounting method, Cal-Am has produced **1,261 AF** from the Carmel River (including ASR capped at 600 AF, Table 13, and Mal Paso.) In addition, under the Seaside Basin Decision, Cal-Am is allowed to produce 1,474 AF of water from the Coastal Subareas and 0 AF from the Laguna Seca Subarea of the Seaside Basin in WY 2021. Through **January**, Cal-Am has produced **809 AF** from the Seaside Groundwater Basin. Through **January**, **44 AF** of Carmel River Basin groundwater have been diverted for Seaside Basin injection; **0 AF** have been recovered for customer use, **13 AF** have been diverted under Table 13 water rights, and **850 AF** of Pure Water Monterey recovered. Cal-Am has produced **2,987 AF** for customer use from all sources through **January**. **Exhibit 26-B** shows production by source. Some of the values in this report may be revised in the future as Cal-Am finalizes their production values and monitoring data.

**EXHIBITS****26-A Water Supply Status: February 1, 2021****26-B Monthly Cal-Am production by source: WY 2021**



**Monterey Peninsula Water Management District  
Water Supply Status  
February 1, 2021**

<b>Factor</b>	<b>Oct – Jan 2021</b>	<b>Average To Date</b>	<b>Percent of Average</b>	<b>Oct - Jan 2020</b>
<b>Rainfall</b> (Inches)	9.44	11.14	85%	11.48
<b>Runoff</b> (Acre-Feet)	8,328	19,788	42%	20,082
<b>Storage</b> <sup>5</sup> (Acre-Feet)	29,310	31,050	97%	30,220

**Notes:**

1. Rainfall and runoff estimates are based on measurements at San Clemente Dam. Annual rainfall and runoff at Sleepy Hollow Weir average 21.22 inches and 67,246 acre-feet, respectively. Annual values are based on the water year that runs from October 1 to September 30 of the following calendar year. The rainfall and runoff averages at the Sleepy Hollow Weir site are based on records for the 1922-2020 and 1902-2020 periods respectively.
2. The rainfall and runoff totals are based on measurements through the dates referenced in the table.
3. Storage estimates refer to usable storage in the Monterey Peninsula Water Resources System (MPWRS) that includes surface water in Los Padres and San Clemente Reservoirs and ground water in the Carmel Valley Alluvial Aquifer and in the Coastal Subareas of the Seaside Groundwater Basin. The storage averages are end-of-month values and are based on records for the 1989-2020 period. The storage estimates are end-of-month values for the dates referenced in the table.
4. The maximum storage capacity for the MPWRS is currently 33,130 acre-feet.





## Production vs. CDO and Adjudication to Date: WY 2021

(All values in Acre-Feet)

Year-to-Date Values	MPWRS					Water Projects and Rights				
	Carmel River Basin <sup>2, 6</sup>	Seaside Groundwater Basin		MPWRS Total					Water Projects and Rights Total	
		Coastal	Laguna Seca			ASR Recovery	Table 13 <sup>7</sup>	Pure Water Monterey		
Target	1,544	673	0	673	<b>2,217</b>	0	62	850	100	<b>1,012</b>
Actual <sup>4</sup>	1,261	809	81	890	<b>2,151</b>	0	13	850	29	<b>892</b>
Difference	283	-136	-81	-217	<b>66</b>	0	49	0	71	<b>120</b>
WY 2020 Actual	2,465	890	101	1,014	<b>3,209</b>	0	88	0	10	<b>98</b>

1. This table is current through the date of this report.

2. For CDO compliance, ASR, Mal Paso, and Table 13 diversions are included in River production per State Board.

3. Sand City Desal, Table 13, and ASR recovery are also tracked as water resources projects.

4. To date, 44 AF and 13 AF have been produced from the River for ASR and Table 13 respectively.

5. All values are rounded to the nearest Acre-Foot.

6. For CDO Tracking Purposes, ASR production for injection is capped at 600 AFY.

7. Table 13 diversions are reported under water rights but counted as production from the River for CDO tracking.

## Monthly Production from all Sources for Customer Service: WY 2021

(All values in Acre-Feet)

	Carmel River Basin	Seaside Basin	ASR Recovery	Table 13	Sand City	Mal Paso	Pure Water Monterey	Total
Oct-20	293	266	0	0	10	6	300	875
Nov-20	233	219	0	0	0	5	300	757
Dec-20	314	276	0	0	7	6	100	703
Jan-21	343	130	0	13	12	5	150	652
Feb-21								
Mar-21								
Apr-21								
May-21								
Jun-21								
Jul-21								
Aug-21								
Sep-21								
Total	<b>1,183</b>	<b>890</b>	<b>0</b>	<b>13</b>	<b>29</b>	<b>22</b>	<b>850</b>	<b>2,987</b>
WY 2020	<b>1,954</b>	<b>992</b>	<b>0</b>	<b>88</b>	<b>66</b>	<b>6</b>	<b>0</b>	<b>3,049</b>

1. This table is produced as a proxy for customer demand.

2. Numbers are provisional and are subject to correction.



**ITEM: INFORMATIONAL ITEM/STAFF REPORT****27. QUARTERLY CARMEL RIVER RIPARIAN CORRIDOR MANAGEMENT PROGRAM REPORT****Meeting Date:** January 25, 2021 **Budgeted:** N/A**From:** Dave Stoldt,  
General Manager **Program/** N/A  
**Line Item No.:****Prepared By:** Thomas Christensen and **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** N/A**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

**IRRIGATION OF RIPARIAN VEGETATION:** The supplemental watering of riparian restoration plantings was carried out for the dry season in 2020 at seven Monterey Peninsula Water Management District (District) riparian habitat restoration sites. The following irrigation systems were in use April through December: Sleepy Hollow, deDampierre, Trail and Saddle Club, Begonia, Cypress, Schulte, and Rancho San Carlos.

**Water Use in Acre-Feet (AF)**  
(preliminary values subject to revision)

January - March 2020	0.22 AF
April - June 2020	0.63
July – September 2020	1.20
October – December 2020	<u>1.90</u> AF
Year-to-date	3.95 AF

**MONITORING OF RIPARIAN VEGETATION:** Starting in June 2020, staff recorded monthly observations of canopy vigor on target willow and cottonwood trees to provide an indication of plant water stress and corresponding soil moisture levels. Four locations (Rancho Cañada, San Carlos, Valley Hills, and Schulte) are monitored monthly for canopy ratings based on a scale from one to ten. This scale evaluates characteristics such as yellowing leaves and percentages of defoliation (see scale on **Exhibit 27-A**). A total of 12 willows and 12 cottonwoods at these locations provide a data set of established and planted sample trees that are representative of trees in the Carmel River riparian corridor. Combined with monthly readings from the District’s array of monitoring wells and pumping records for large-capacity Carmel Valley wells in the California American Water service area, the District’s monitoring provides insight into the status of soil moisture through the riparian corridor.

Monitoring results for the 2020 season show that riparian vegetation was below threshold

moisture stress levels because of adequate soil moisture. The graph in **Exhibit 27-A** shows average canopy ratings for willows and cottonwoods in selected restoration sites in lower Carmel Valley. The graph in **Exhibit 27-B** shows impacts to water table elevations.

The types of monitoring measurements made during June - October 2020 are as follows:

**Monitoring Measurement**

Canopy ratings	(See <b>Exhibit 27-A</b> for trends.)
Groundwater levels (monitoring wells)	(See <b>Exhibit 27-B</b> for trends.)
Groundwater pumping (production wells)	

**OTHER TASKS PERFORMED SINCE THE OCTOBER 2020 QUARTERLY REPORT:**

1. On December 23, 2020, District staff helped consultant FISHBIO install the Carmel River Resistance Board Weir. This weir will help District staff count all the adult steelhead entering the Carmel River Watershed. This information is required under the District's Steelhead Rescue and Rearing Program.
2. District staff have also been winterizing and carrying out maintenance at the Sleepy Hollow Steelhead Rearing Facility.

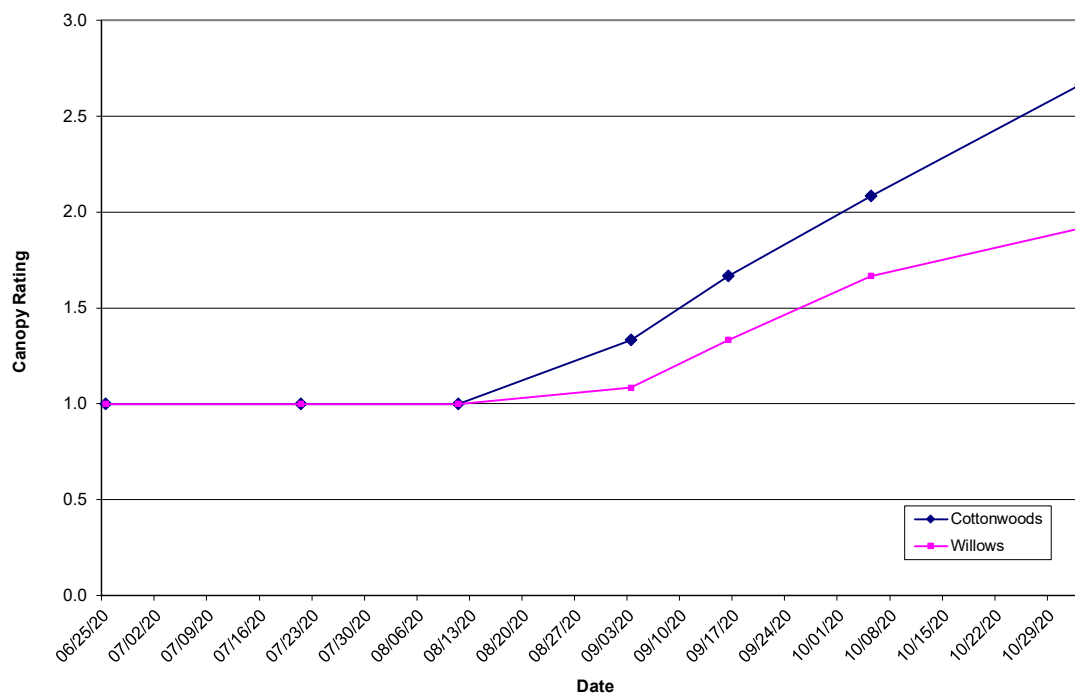
**EXHIBITS**

**27-A** Average Willow and Cottonwood Canopy Rating

**27-B** Depth to Groundwater

### EXHIBIT 27-A

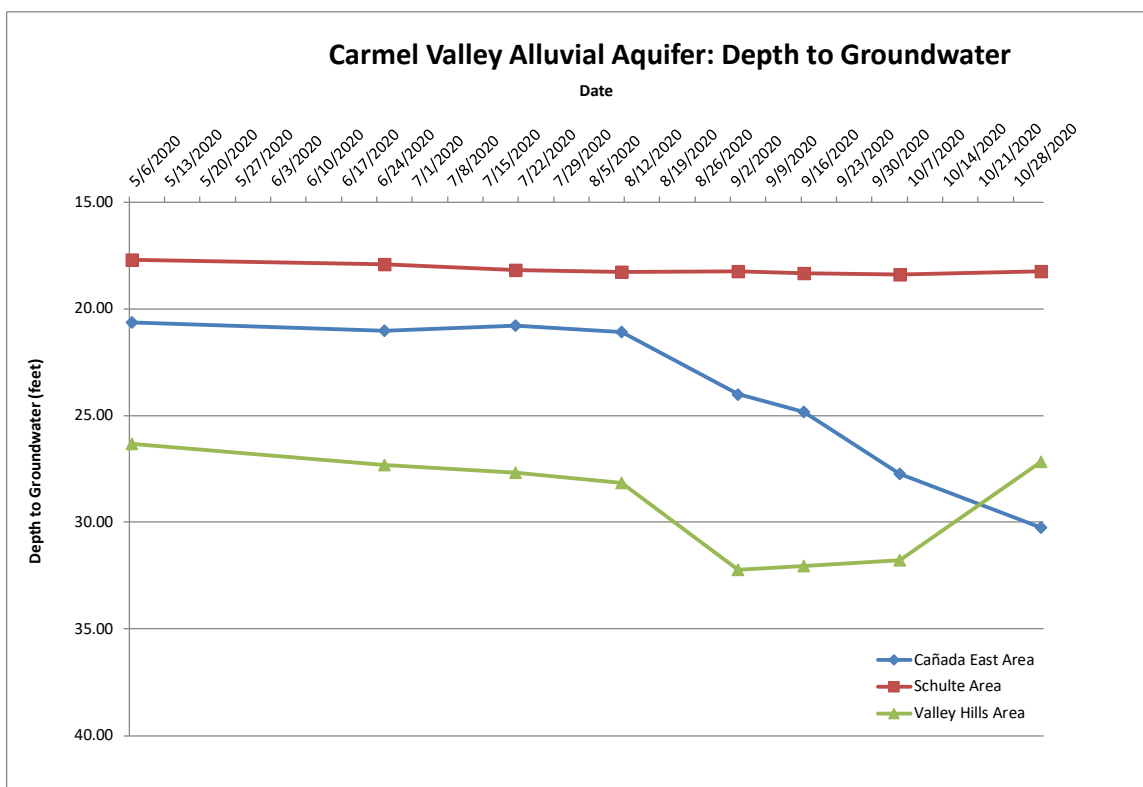
**Carmel River Riparian Vegetation:  
Average Canopy Rating for Cottonwoods and Willows**



Canopy Rating Scale		Stress Level
1=	Green, obviously vigorous	none, no irrigation required
2=	Some visible yellowing	low, occasional irrigation required
3=	Leaves mostly yellowing	moderate, regular irrigation required
4=	< 10% Defoliated	moderate, regular irrigation required
5=	Defoliated 10% to 30%	moderate, regular irrigation required
6=	Defoliated 30% to 50%	moderate to high, additional measures required
7=	Defoliated 50% to 70%	high stress, risk of mortality or canopy dieback
8=	Defoliated 70% to 90%	high stress, risk of mortality or canopy dieback
9=	> 90% Defoliated	high stress, risk of mortality or canopy dieback
10=	Dead	consider replanting



### **EXHIBIT 27-B**







**ITEM: INFORMATIONAL ITEM/STAFF REPORT****28. SEMI-ANNUAL GROUNDWATER-QUALITY MONITORING REPORT**

<b>Meeting Date:</b>	<b>February 25, 2021</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Hydrologic Monitoring 2.6 2-6-1 G, and 2-6-2 D</b>
<b>Prepared By:</b>	<b>Jonathan Lear/ Tom Lindberg</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: N/A****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**

---

**SUMMARY:** Water-quality results from the Fall 2020 sampling of the Monterey Peninsula Water Management District's (District's) monitor well networks in the Carmel Valley aquifer and the coastal areas of the Seaside Groundwater Basin are presented and briefly summarized below.

**BACKGROUND:** The District has maintained a groundwater-quality monitoring program in the Carmel Valley Aquifer since 1981, and in the Seaside Groundwater Basin since 1990. Currently, collection of samples from the Carmel Valley monitor wells is conducted on an annual basis. The sampling schedule for Carmel Valley is staggered, with upper valley wells (i.e., upgradient of the Narrows), sampled in Spring and lower Carmel Valley wells in Fall, to coincide with the historically higher nitrate concentrations in these respective areas. Beginning in 2007, the District was retained by the Seaside Basin Watermaster to collect water-quality samples from the District's Seaside Basin coastal monitor wells on a quarterly basis. The results of that sampling are reported to the Seaside Basin Watermaster Board on an annual basis. Results of the Fall 2019 and Fall 2020 sampling of the Seaside Basin coastal monitor wells are included in this report.

**DISCUSSION/ANALYSIS:**

**Carmel Valley Aquifer Monitor Wells** - Results from the Fall 2020 sampling are provided in **Exhibit 28-A**. Six monitor wells in the lower Carmel Valley were sampled during Fall 2020, per the sampling schedule described above. Review of these water-quality results indicates that, in general, there are minor changes in overall water quality compared to samples collected in 2019 (provided here as a reference in **Exhibit 28-B**). A seventh well that was formally sampled in the Fall (16S/1E-13Md), was not sampled in Fall 2020 or Fall 2019 because it was submerged under high water in the Carmel River Lagoon wetlands during the sampling period. Another well that had been sampled during this period was destroyed by flooding in March of 2011 when the river scoured away the south end of the Carmel River State Beach parking lot. The locations of the sampling points are shown on the map in **Exhibit 28-C**. Changes in water quality for specific wells are discussed below.

Staff is particularly interested in tracking indicators of potential seawater intrusion in the coastal portion of Carmel Valley. Accordingly, three clustered sets of wells were established west of Highway 1, with each set being made up of three wells completed at different depths. Review of historical data indicated that the shallower and intermediate depth wells in the coastal area are subject to mixing of fresh water and saline water as high tides and surf overtop the sand berm between the lagoon and the ocean. This contributes to episodic mixing within the shallower and intermediate zones of the aquifer, but is not indicative of larger-scale seawater intrusion into the aquifer. All three wells in the cluster closest to the ocean were destroyed by river erosion in 2011, and all three of the wells in the next closest cluster to the ocean were inaccessible due to high water during the sampling period, so currently, only the deeper well at one of the three coastal locations is sampled.

Well 16S/1W-13Lc is the deepest in the array of three wells located on State Parks property near the Carmel Area Wastewater District treatment plant at River Mile (RM) 0.65, currently the most proximate well to the ocean in Carmel Valley that is available for sampling. There is an overall increasing trend in Specific Electrical Conductance (SEC) and Chloride from 1989 to 2020 (**Exhibit 28-D**) with some notable fluctuations. Both SEC and Chloride declined from 2006 to 2008. While there has been a generally upward trend since then, both constituents were lower in 2020 relative to 2019. Current Chloride concentrations remain below peak levels observed at this location in Water Year 2013, but SEC has also dropped below the 2013 value. Additional background on historical water-quality at the coastal monitor well sites can be found in District Technical Memorandum 90-04, *Summary of Carmel Valley Groundwater-quality from Coastal Monitor Wells*, which is available at the District office. Staff will continue to track future results for trends that might indicate significant changes in concentrations of these or other constituents in the coastal area of the aquifer.

Well 16S/1E-23E4, located 6.53 miles upstream from the mouth of the Carmel River, has had fluctuating water quality in the past - primarily as variably elevated Iron and Manganese, likely attributable to flooding along the roadside where this well is located. Elevated Iron and Manganese concentrations are not unusual in Carmel Valley; four of the six wells sampled in Fall 2020 showed levels above the State Drinking Water Standards for these constituents, although the levels of Iron were lower in 2020 relative to 2019 for all four of the wells, and Manganese was lower in all but one of the four. Results indicate no significant changes to water quality here in 2020 relative to 2019. Staff will continue to monitor the site to ensure the wellhead is secure from surface-water sources.

Well 16S/1E-23La, located 6.72 miles upstream from the river mouth, does not show a significant change in 2020 relative to 2019, but a graph of SEC and Chloride is included to track long-term trends as was described in previous Board packet reports (**Exhibit 28-E**). This graph indicates a downward trend in both SEC and Chloride at this site; most other constituents were not significantly different in 2020 relative to 2019.

**Seaside Groundwater Basin Coastal Monitor Wells** - Since 1990, the District has been collecting water-quality samples from coastal monitor wells in the Seaside Groundwater Basin, for the purposes of water-quality characterization and sea-water intrusion monitoring. The wells were completed in pairs to compare water from the two main aquifers in the basin, the deeper

Santa Margarita formation, and the shallower Paso Robles. In 2009 District staff switched from air-lifting samples from wells in Seaside to “micro-purging”, which generally extends the well life. In Fall 2020, 10 dedicated monitor wells at six different sites were sampled. Results of water-quality sampling from 2020 and 2019 for the Seaside wells are provided in **Exhibit 28-A** and **Exhibit 28-B**, respectively. The locations of the Seaside monitor wells are shown on the map in **Exhibit 28-F**. Results for most constituents in most of the wells were not significantly different in 2020 relative to 2019, with few exceptions. SEC is higher in every well Seaside Basin well sampled in 2020 relative to 2019, and in a one (15S/1E-15N2 located about 400 feet from the ocean), the level is slightly over the lower drinking Water Standard of 900 ppm. In another (16S/1E-12Fa located about 6,000 feet from the coast) SEC and Chloride were both notably higher than in 2019, although both were below State Drinking Water Standards. Four of the wells in the Seaside Groundwater Basin showed levels of Iron above the Drinking Water Standard (0.3 milligrams per liter) in Fall 2020. A more complete historical summary of the Seaside Basin coastal groundwater-quality data is contained in District Technical Memorandum 97-02 *Seaside Basin Coastal Monitor Wells: Ground Water-quality Monitoring Results, 1990-1996*, which is available at the District office.

## **EXHIBITS**

- 28-A** Groundwater-quality Monitoring Results - Fall 2020
- 28-B** Groundwater-quality Monitoring Results - Fall 2019
- 28-C** Location of MPWMD Lower Carmel Valley Water-quality Monitoring Wells
- 28-D** Water-quality Results in Well 16S/1W-13Lc in Carmel Valley
- 28-E** Water-quality Results in Well 16S/1E-23La in Carmel Valley
- 28-F** Location of MPWMD Seaside Basin Water-quality Monitoring Wells
- 28-G** Water Quality Results for Wells 15S/1E-15N2 and 15S/1E-15N3 in Seaside



## MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

## GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 3, 2020

Seaside Basin Sample Collection Dates: September 16, 17 and 28, 2020

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO3)	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO3)	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Mangane-se	Orthophos-phate	Total Dissolved Solids	Hardness (as CaCO3)	Boron	Bromide	Fluoride	
Drinking Water Standard (1)	900 1600 2200 (2)	NA	NA	250 500 600 (2)	250 500 600 (2)	NA	45	NA	NA	NA	NA	NA	0.3	0.05	0.06	NA	NA	NA	NA	2.00	
Sampling Location	River Mile																				
Carmel Valley Aquifer																					
16S/1W-14Jh (shal)	0.07 no longer in annual sampling network																				
16S/1W-14Jf (inter)	0.07 no longer in annual sampling network																				
16S/1W-14Jg (deep)	0.07 no longer in annual sampling network, destroyed by flooding																				
16S/1W-13Mc (shal)	0.31 no longer in annual sampling network																				
16S/1W-13Mb (inter)	0.31 no longer in annual sampling network																				
16S/1W-13Md (deep)	0.31 no access in November or December due to high water in Lagoon																				
16S/1W-13Lb (shal)	0.65 no longer in annual sampling network																				
16S/1W-13La (inter)	0.65 no longer in annual sampling network																				
16S/1W-13Lc (deep)	0.65	949	196	7.3	95.5	173	0.7	<0.1	2.3	89	101	17.1	3.2	1.470	0.717	0.2	656	292	0.20	0.30	1.9
16S/1E-17J4	3.85	486	96	6.6	33.7	110	<0.1	0.5	1.9	49	27	14.4	3.0	0.164	<0.01	<0.06	380	181	<0.05	0.10	0.2
16S/1E-17R2	3.86	1238	180	6.6	108	345	0.2	<0.1	4.6	169	83	27.9	4.1	6.790	0.288	<0.06	906	536	0.06	0.30	0.2
16S/1E-23E4	6.53	1100	270	6.9	97	170	<0.1	<0.1	2.0	109	84	20.1	2.3	0.709	0.694	0.07	682	354	0.08	0.30	0.6
16S/1E-23La	6.72	406	116	7.0	22.2	53	<0.1	<0.1	1.2	34	33	10.6	3.2	0.786	0.156	<0.06	299		<0.05	0.10	0.3
16S/1E-24N5	8.02	393	126	7.0	21.8	52	<0.1	0.5	1.1	37	25	9.2	2.2	0.012	<0.01	<0.06	308		<0.05	0.10	0.2
Seaside Basin																					
15S/1E-15N3 (shal)	319	66	6.4	44.6	14	<0.1	0.2	0.8	18	32	4.9	2.6	0.132	<0.01	<0.1	198	64	<0.05	<0.1	0.2	
15S/1E-15N2 (deep)	944	236	7.5	154	4	<0.1	<0.1	0.7	54	102	14.1	5.2	1.680	0.065	0.3	514	192	0.11	0.05	0.9	
15S/1E-23Ca (shal)	876	222	7.5	118	44	<0.1	3.4	2.6	80	87	15.4	4.9	1.650	0.649	0.1	542	262	217	0.08	0.1	
15S/1E-23Cb (deep)	not sampled in 2020 due to obstruction in well																				
15S/1E-15F1 (shal)	338	73	6.1	46.3	11	<0.1	0.6	0.6	20	37	5.4	2.9	5.080	0.016	<0.1	188	73	<0.05	0.2	0.1	
15S/1E-15F2 (deep)	not sampled Fall 2020 due to pump fouling																				
15S/1E-15K5 (shal)	413	77	7.7	52.5	11	<0.1	0.4	0.5	23	56	6.0	3.3	0.041	<0.01	0.1	244	81	<0.05	0.2	0.1	
15S/1E-15K4 (deep)	858	216	7.7	124	38	<0.1	<0.1	0.5	67	122	14.4	5.5	0.177	0.333	<0.1	510	247	0.13	0.4	0.3	
15S/1E-11Pa (shal)	557	95	6.4	90.4	31	<0.1	<0.1	0.6	36	48	9.7	4.3	0.054	<0.01	<0.1	322	129	<0.05	0.3	0.1	
15S/1E-11Pb (deep)	443	107	6.2	66.2	1	0.70	<0.1	1.6	25	48	3.4	3.8	4.520	0.048	<0.1	244		0.07	0.2	0.1	
15S/1E-12Fa (shal)	426	57	7.4	89.9	7	0.11	0.5	0.7	26	46	6.3	2.6	0.037	<0.01	1	303	92	1	<0.05	0.1	
15S/1E-12Fc (deep)	383	57	7.3	52.6	12	<0.1	1.1	1.3	19	40	2.5	2.3	0.106	<0.01	<0.1	228	57	<0.05	0.2	0.1	

## NOTES:

- (1) Maximum contaminant levels are from California Domestic Water Quality and Monitoring Regulations, Title 22, 1977.
- (2) The three values listed for certain constituents refer to the "recommended" level, the "upper" level, and "short-term use" level, respectively.
- (3) The "Practical Quantifiable Limit" for Ammonia-N changed in 2017.
- (4) The "Practical Quantifiable Limit" for Nitrate as N was inconsistently reported in 2017, but corrected for this report.
- (5) The "Practical Quantifiable Limit" for Orthophosphate and Bromide changed in 2012.
- (6) Well 15S/1E-15K4 is being used as a "far-field monitor" for ASR well #4, and as such was sampled for additional constituents in 2018 that are not shown on this table.



## MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

## GROUNDWATER-QUALITY MONITORING RESULTS

Carmel Valley Aquifer Sample Collection Date: November 4, 2019

Seaside Basin Sample Collection Dates: July 3, August 26, September 5 and 20, 2019

Units are milligrams per liter unless otherwise noted.

Water Quality Constituent	Specific Conductance (micromhos/cm)	Total Alkalinity (as CaCO3)	pH	Chloride	Sulfate	Ammonia Nitrogen (as N)	Nitrate Nitrogen (as NO3)	Total Organic Carbon	Calcium	Sodium	Magnesium	Potassium	Iron	Manga-nese	Orthophos-phate	Total Dissolved Solids	Boron	Bromide	Fluoride	
Drinking Water Standard (1)	900 1600 2200 (2)	NA	NA	250 500 600 (2)	250 500 600 (2)	NA	45	NA	NA	NA	NA	NA	0.3	0.05		NA	NA	NA	NA	
Sampling Location	River Mile																			
Carmel Valley Aquifer																				
16S/1W-14Jh (shal)	0.07 no longer in annual sampling network																			
16S/1W-14Jf (inter)	0.07 no longer in annual sampling network																			
16S/1W-14Jg (deep)	0.07 no longer in annual sampling network, destroyed by flooding																			
16S/1W-13Mc (shal)	0.31 no longer in annual sampling network																			
16S/1W-13Mb (inter)	0.31 no longer in annual sampling network																			
16S/1W-13Md (deep)	0.31 no access in November or December due to high water in Lagoon																			
16S/1W-13Lb (shal)	0.65 no longer in annual sampling network																			
16S/1W-13La (inter)	0.65 no longer in annual sampling network																			
16S/1W-13Lc (deep)	0.65	1030	184	7.7	97.3	179	0.7	<0.1	2.5	82	94	20.9	3.8	1.850	0.796	0.1	626	0.22	0.2	1.6
16S/1E-17J4	3.85	427	86	6.9	21.7	84	<0.1	0.1	0.2	35	22	12.6	3.1	0.247	0.017	<0.1	263	<0.05	<0.1	0.2
16S/1E-17R2	3.86	1307	167	7.0	115	336	0.2	<0.1	4.6	142	79	30.7	4.1	6.880	0.307	<0.1	880	0.07	0.1	0.2
16S/1E-23E4	6.53	1106	258	7.5	95.7	164	<0.1	<0.1	2.6	107	86	25.6	2.0	1.170	0.776	<0.1	674	0.12	0.2	0.5
16S/1E-23La	6.72	408	113	7.3	22.6	52	<0.1	<0.1	1.7	32	26	11.4	2.9	0.867	0.173	<0.1	226	<0.05	<0.1	0.4
16S/1E-24N5	8.02	474	129	7.4	25.7	60	<0.1	0.6	1.5	44	27	12.6	2.8	0.014	0.016	<0.1	286	<0.05	0.1	0.3
Seaside Basin																				
15S/1E-15N3 (shal)	308	70	5.9	46	10	<0.1	<0.1	0.3	19	32	5	2.7	0.016	<0.01	<0.1	192	<0.05	0.1	0.1	
15S/1E-15N2 (deep)	952	242	7.3	149	18	<0.1	<0.1	0.8	68	117	17	5.3	3.580	0.115	<0.1	516	0.13	0.4	0.2	
15S/1E-23Ca (shal)	816	209	7.4	104	37	<0.1	<0.1	0.8	63	71	13	4.5	0.082	0.030	<0.1	462	0.08	0.1	0.1	
15S/1E-23Cb (deep)	not sampled in 2019 due to obstruction in well																			
15S/1E-15F1 (shal)	310	68	6.7	47	11	<0.1	0.7	0.4	22	36	6	2.8	0.094	<0.01	<0.1	204	<0.05	0.1	<0.1	
15S/1E-15F2 (deep)	1124	312	6.1	155	40	0.1	<0.1	1.7	91	113	19	5.5	42.000	0.377	<0.1	626	0.18	0.4	0.2	
15S/1E-15K5 (shal)	325	68	7.7	51	10	<0.1	<0.1	0.6	22	40	5	2.5	0.099	<0.01	<0.1	176	<0.05	0.2	0.1	
15S/1E-15K4 (deep)	853	211	7.6	123	36	<0.1	<0.1	0.6	63	92	12	4.3	0.096	0.176	<0.1	480	0.11	0.4	0.2	
15S/1E-11Pa (shal)	466	82	6.1	77	22	<0.1	<0.1	0.7	34	44	8	4.5	0.011	<0.01	<0.1	264	0.06	0.1	<0.1	
15S/1E-11Pb (deep)	426	97	6.7	70	7	0.3	<0.1	1.6	27	50	4	3.7	0.307	<0.01	<0.1	226	0.08	0.1	0.1	
15S/1E-12Fa (shal)	276	53	8.3	42	11	<0.1	0.4	0.3	15	34	2	1.8	0.068	<0.01	<0.1	160	<0.05	0.1	<0.1	
15S/1E-12Fc (deep)	283	60	8.0	43	11	<0.1	0.6	0.5	16	34	2	1.8	0.213	0.026	<0.1	174	<0.05	0.1	<0.1	

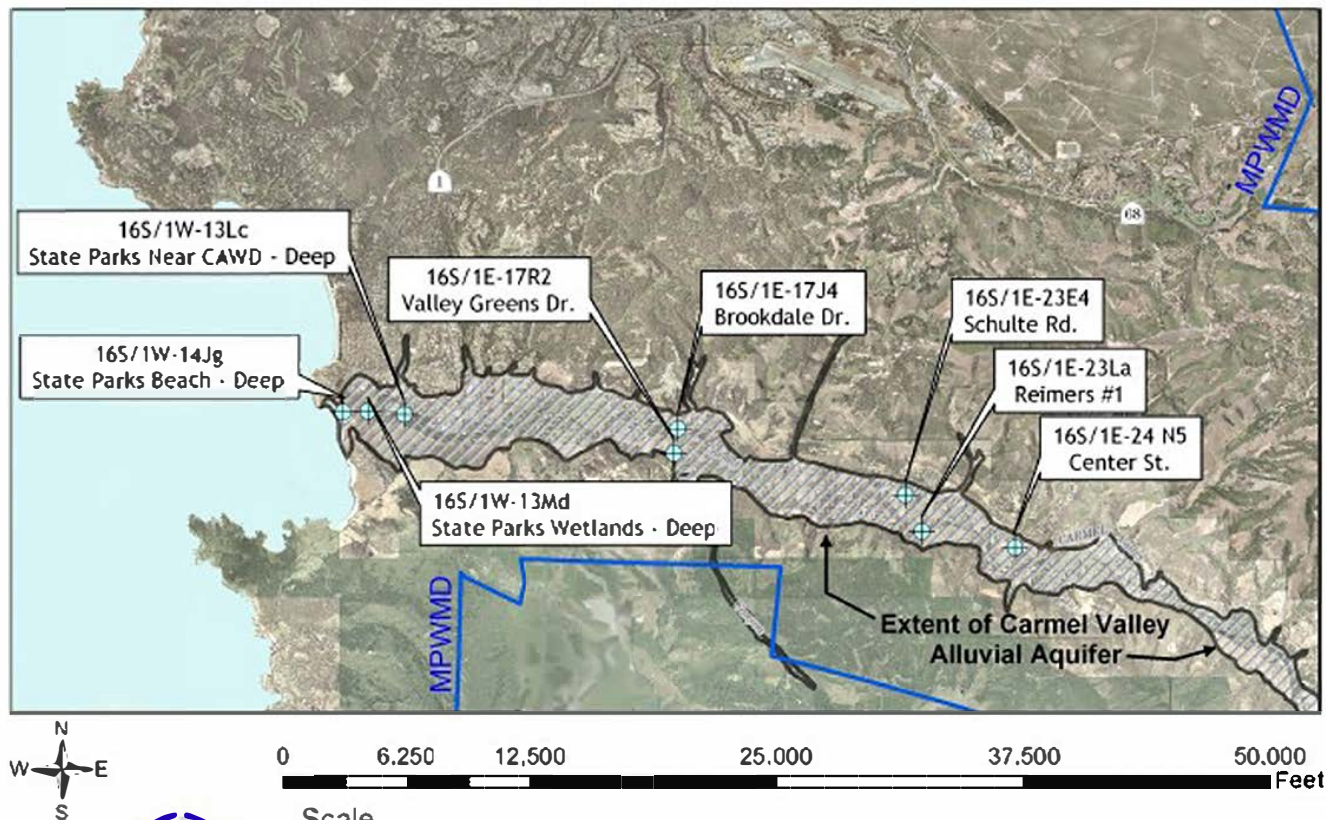
## NOTES:

- (1) Maximum contaminant levels are from California Domestic Water Quality and Monitoring Regulations, Title 22, 1977.
- (2) The three values listed for certain constituents refer to the "recommended" level, the "upper" level, and "short-term use" level, respectively.
- (3) The "Practical Quantifiable Limit" for Amonia-N changed in 2017.
- (4) The "Practical Quantifiable Limit" for Nitrate as N was inconsistently reported in 2017, but corrected for this report.
- (5) The "Practical Quantifiable Limit" for Orthophosphate and Bromide changed in 2012.
- (6) Well 15S/1E-15K4 is being used as a "far-field monitor" for ASR well #4, and as such was sampled for additional constituents in 2018 that are not shown on this table.



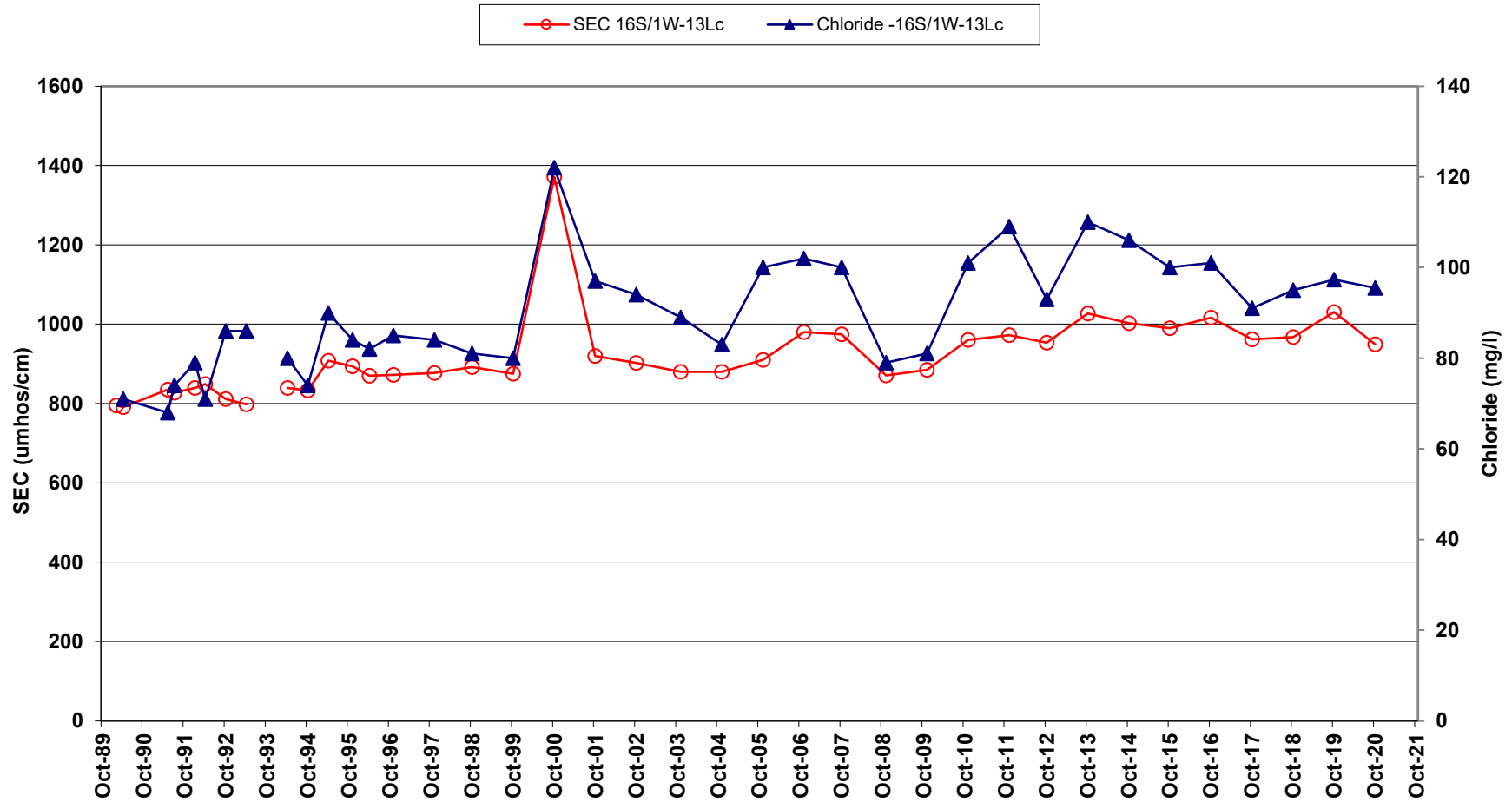


LOCATION OF MPWMD LOWER CARMEL VALLEY  
WATER QUALITY MONITORING WELLS  
(River Mile 0.0 to 9.0)



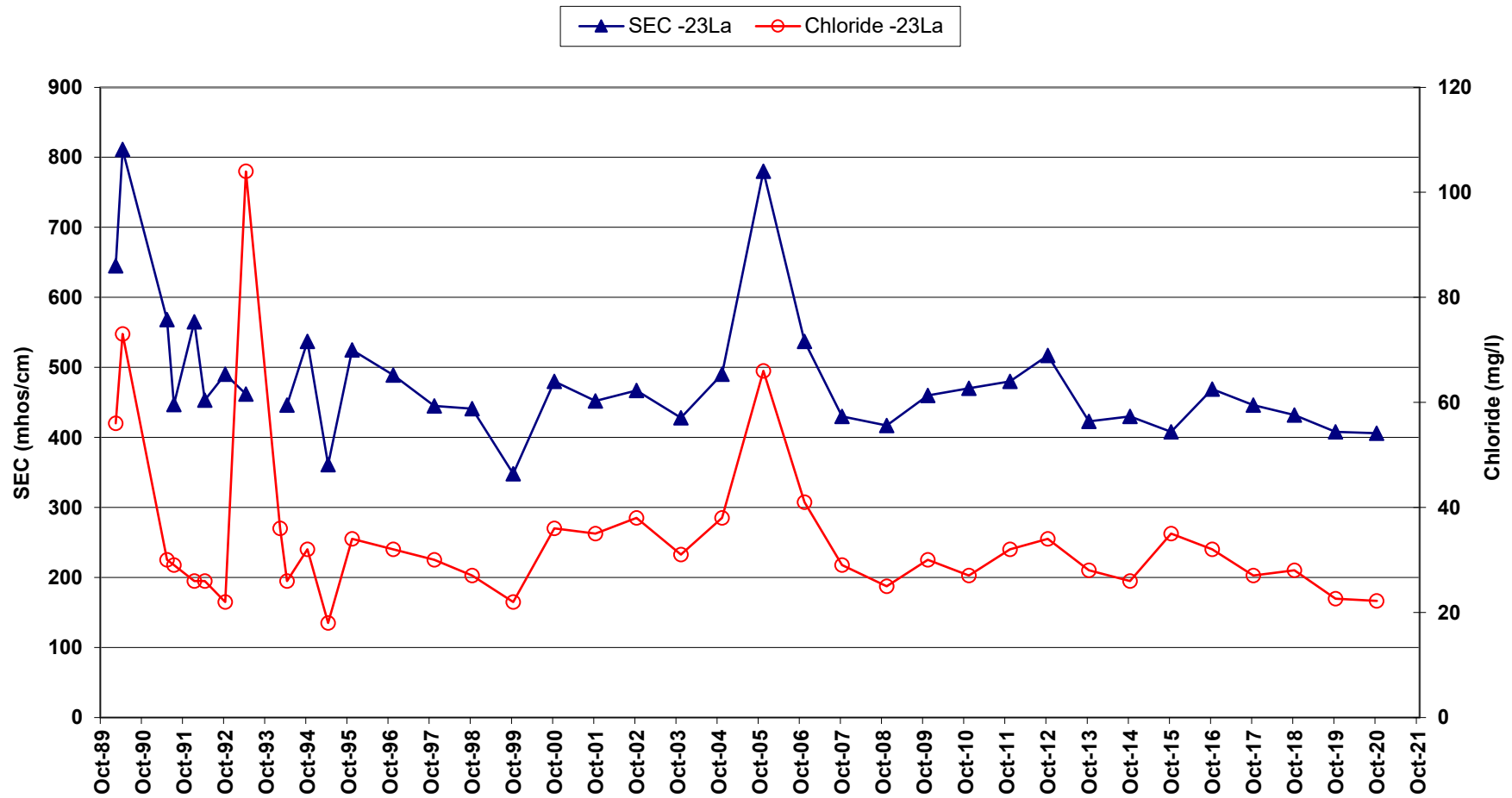


**WATER-QUALITY RESULTS**  
**State Parks Near CAWD (deep) - 16S/1W-13Lc**  
**River Mile 0.65**





**WATER-QUALITY RESULTS**  
**Reimers #1 - 16S/1E-23La**  
**River Mile 6.72**

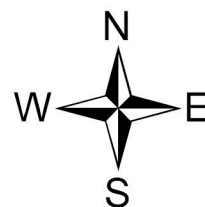
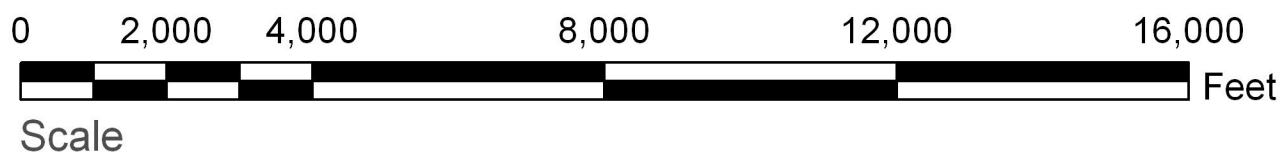
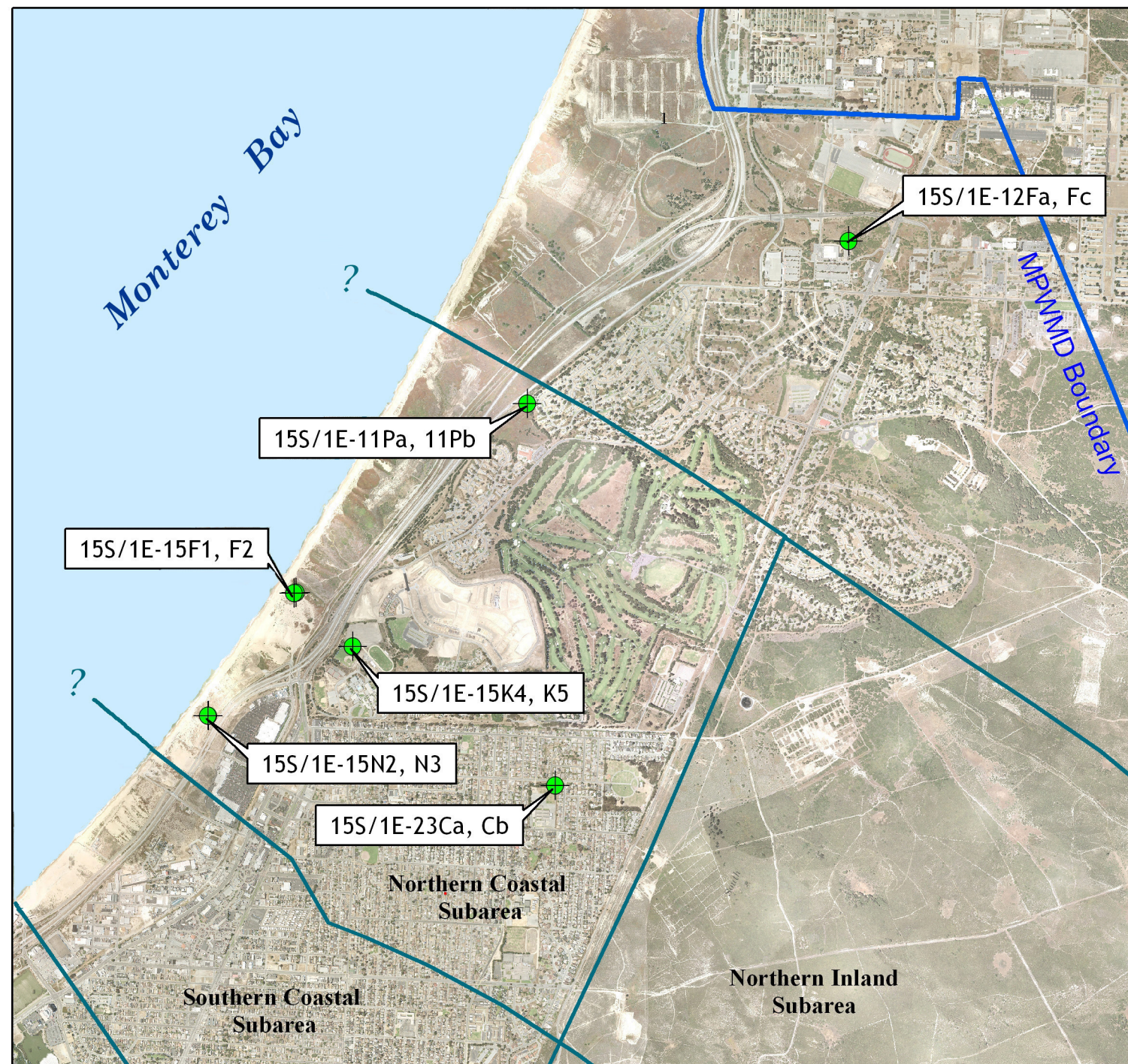






SEASIDE BASIN COASTAL GROUND WATER QUALITY  
MONITOR WELL LOCATIONS

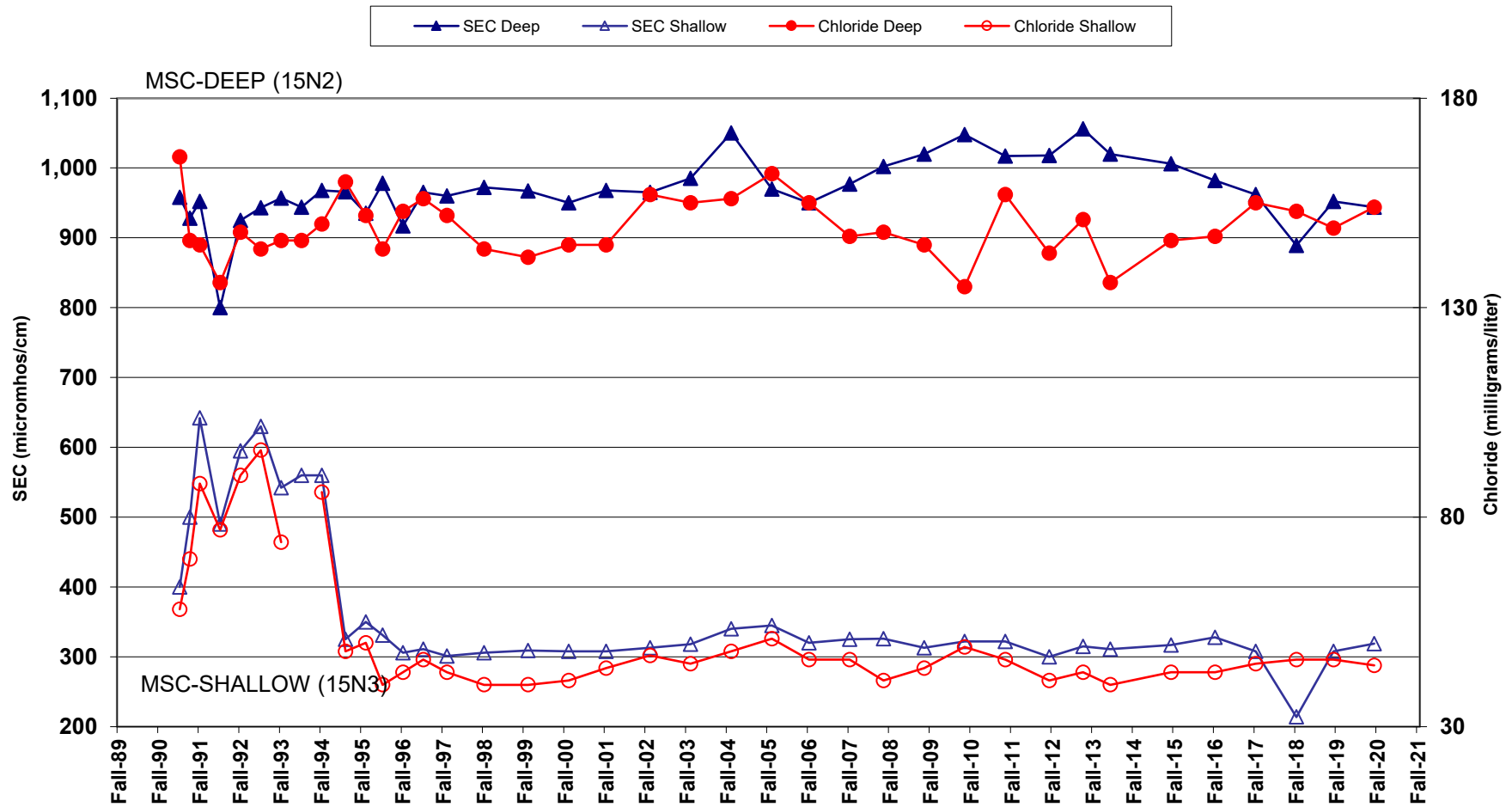
269







**WATER-QUALITY RESULTS**  
**MSC (Monterey Sand Company)**  
**15S/1E-15N2 (deep) and 15S/1E-15N3 (shallow)**





**ITEM: INFORMATIONAL ITEM/STAFF REPORT****29. SEMI-ANNUAL REPORT ON THE CAWD/PBCSD WASTEWATER RECLAMATION PROJECT****Meeting Date:** February 25, 2021 **Budgeted:** N/A**From:** David J. Stoldt,  
General Manager **Program/** N/A  
**Line Item No.:****Prepared By:** Suresh Prasad **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee reviewed this item on February 10, 2021.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.

This report relates to the original CAWD/PBCSD Wastewater Reclamation Project (Phase I) only and does not contain any information related to the CAWD/PBCSD Recycled Water Expansion Project (Phase II). On December 10, 1992, the Monterey Peninsula Water Management District (MPWMD or District) sold \$33,900,000 worth of variable rate certificates of participation to finance the wastewater reclamation project in Pebble Beach. The tables below summarize the investment information on funds held for future use, disbursements, and interest rate trends on the outstanding certificates for the period July 1, 2020 through December 31, 2020. During the first reporting period in 2006, the Wastewater Reclamation Project's (Project) Operations and Maintenance Reserve and Renewal and Replacement Reserve accounts were transferred to the Carmel Area Wastewater District in accordance with the Project's Amended Construction and Operations Agreement dated December 15, 2004. The Project's Operations and Maintenance account (Bank of America) and Certificate of Participation accounts (U.S. Bank) remain under the control of the District and will continue to be reported on this report and future reports.

Par of 1992 Certificates \$33,900,000

Investments as of December 31, 2020:

<u>Description</u>	<u>Institution</u>	<u>Market Value</u>	<u>Rate/Yield</u>	<u>Term</u>
Interest Fund	U.S. Bank	\$338	0.00%	Daily
Certificate Payment Fund	U.S. Bank	\$818	0.00%	Daily
Acquisition/Rebate Funds	U.S. Bank	\$19	0.00%	Daily
Water Sales Revenue Acct.	Bank of America	\$249,762	0.00%	Daily

### Operation and Maintenance Disbursements:

MPWMD transferred advances in the amount of \$3,823,000 from the Water Sales Revenue Account to the Carmel Area Wastewater District during this reporting period. Advance payments are provided in accordance with the terms and conditions of Section 5.5 (a) of the Operation and Maintenance Agreement.

As provided in the Water Purchase Agreement, the obligation of the District to make disbursements is a special obligation of the District, payable solely from net operating revenues of the project, monies in the Revenue Fund, and other funds described in the Trust Agreement. In no event, will disbursements be payable out of any funds or properties of the District other than such sources.

### Principal and Interest on Certificates:

A principal payment of \$2,400,000 was made by the Project during this reporting period. The outstanding balance on the Certificates is currently \$5,100,000.

The interest rate on the Series 1992 Certificates was set initially at 2.30 percent per annum until December 16, 1992. On that date and weekly thereafter, so long as the certificates are in the variable mode, the Remarketing Agent, Stone & Youngberg, determines the rate of interest. Interest rates for this reporting period fluctuated between 0.05% and 0.18%.

On June 7, 2000, the Reclamation Management Committee noted that the Capital Interest Fund, used for payment of monthly interest on the outstanding certificates, would soon be exhausted. The Committee discussed the use of water sales revenue to make future interest payments. On July 3, 2000, the Reclamation Technical Advisory Committee affirmed the use of water sales revenue for interest payments when excess funds are available.

Effective July 1, 2013, the Reclamation Project water rates have been delinked from the California American Water Company potable rates. The rates are now set based on revenue requirement for the Project.

### **EXHIBIT**

None



# Supplement to 2/25/2021 MPWMD Board Packet

Attached are copies of letters received between January 20, 2021 and February 16, 2021. These letters are listed in the February 25, 2021 Board packet under Letters Received.

Author	Addressee	Date	Topic
Hans Uslar	David Stoldt	January 15, 2021	City of Monterey Declining Request to Sign an Agreement to Indemnify and Defend MPWMD on an Allocation of Water from the District's reserves
David L. Stivers	David Stoldt	January 21, 2021	Missed Milestones- Ceased and Desist Order WRCB Order WR-2016-0016
Patrick J. Breen	David Stoldt	January 22, 2021	Invitation to Provide Input and Comments on an Updated Urban Water Management Plan (UWMP)
Amanda Ingham	George Riley	January 29, 2021	NOAA's National Marine Fisheries Service's (NMFS) Comments on the Construction of a Bypass Pipeline to Allow Simultaneous Pure Water Monterey Recovery and Aquifer Storage Recovery Injection
Rick Heuer	David Stoldt	February 9, 2021	Nomination for Replacement of Paul Bruno as MPTA Representative on Ordinance No. 152 Oversight Committee





January 15, 2021

David Stoldt  
General Manager  
Monterey Peninsula Water Management District  
P.O. Box 85  
Monterey, CA 93940

Dear Mr. Stoldt:

At its meeting of May 18, 2020, the Monterey Peninsula Water Management District (MPWMD) considered the Water Demand Committee's recommendation to deny the City's water allocation request. The additional water allocation would have allowed 31 additional 100% affordable units at 2000 Garden Road, and 35 additional 100% affordable units at 2600 Garden Road.

At that meeting a motion was made to deny MPWMD's staff recommendation and approve the allocation of water from the District's reserves as long as the City of Monterey agrees to indemnify and defend the MPWMD. This motion passed 5-2.

The MPWMD has requested that the City sign an agreement, which will hold the City and the affordable housing developer responsible for any potential legal costs as a result of the decision made by MPWMD.

I have to decline the request to indemnify and defend the MPWMD.

I understand that the State's Water Resources Control Board has been closely following the actions by our two elected boards. As a matter of fact, during the meeting on May 18, 2020 the Deputy Counsel of the SWRCB phoned in to let the board know that he was watching the meeting and subsequent actions of the board on this matter. Therefore, it is more than likely that the legal staff of the SWRCB might initiate legal steps against our actions. The high cost to defend the MPWMD's decision cannot be carried by the taxpayers of the City of Monterey.

I regret that the very real threat of potential legal actions by the State Water Resources Control Board will prevent the construction of 66 affordable housing units. Furthermore, this experience amplifies the need for a reliable water source on the Monterey Peninsula.

Sincerely,

A handwritten signature in black ink, appearing to read "Hans Uslar". The signature is fluid and cursive, with the first name "Hans" written in a larger, more prominent script than the last name "Uslar".

Hans Uslar  
City Manager  
City of Monterey

CC: Mayor and City Council





PEBBLE BEACH  
RESORTS

RECEIVED

JAN 21 2021

MPWMD

January 11, 2021

**Via U.S. Mail & Electronic Mail**

Eileen Sobeck, Executive Director  
State Water Resources Control Board  
1001 I Street  
P.O. Box 100  
Sacramento, CA 95812  
Eileen.Sobeck@waterboards.ca.gov

Richard Svindland, President  
California American Water  
655 W. Broadway, Suite 1410  
San Diego, CA 92101  
Rich.Svindland@amwater.com

Chris Cook, PE  
Director of Operations - Monterey  
California American Water  
511 Forest Lodge Road, Suite 100  
Pacific Grove, CA 93950  
Christopher.Cook@amwater.com

David Stoldt  
General Manager  
Monterey Peninsula Water Management District  
5 Harris Court, Building G  
P.O. Box 85  
Monterey, CA 93942-0085  
dstoldt@mpwmd.net

Dear Ms. Sobeck and Mssrs. Svindland, Cook, and Stoldt:

Pebble Beach Company (PBC) has received and reviewed the June 5, 2020 report and October 21, 2020 letter from California American Water (Cal-Am) to the State Water Resources Control Board (SWRCB), and the November 17, 2020 response letter from SWRCB to Cal-Am, regarding the potential consequences for Cal-Am of missing Milestone 5 on September 30, 2020 - namely a potential reduction of 1,000 acre-feet of the Effective Diversion Limit of SWRCB WR-2016-0016 (2016 Order).

January 11, 2021  
Page 2

PBC is one of the Applicants in the 2016 Order. PBC was not copied on the Cal-Am June 4, 2020 report nor on its October 21, 2020 letter to SWRCB. We were only copied on SWRCB's response to Cal-Am of November 17, 2020, wherein we learned of the likelihood of Cal-Am agreeing to the 1,000 acre-foot reduction in the Effective Diversion Limit.

Cal-Am stated in its October 21 letter that it is "preparing its Water Year 2020-2021 operations plan - with the expectation that the Effective Diversion Limit under the CDO is reduced from 8,310 acre-feet to 7,310 acre-feet." Cal-Am explained that its position is because "we understand that the State Water Board is not likely to find that delays were beyond the control of the 'Applicants.'" In other words, Cal-Am is acceding to the 1,000 acre-foot reduction in the Effective Diversion Limit based on speculation over what the SWRCB Board will or will not approve.

PBC respectfully disagrees with Cal-Am's position, and as an Applicant to the 2016 Order we feel an obligation to provide input on the issue at hand.

Paragraph 3.b.viii of the 2016 Order provides in part as follows:

If the report [i.e., the June 5 Cal-Am report] indicates that a Milestone is likely to be missed for reasons beyond Applicants' control, the State Water Board may make a determination during that meeting or at a subsequent meeting whether the cause for delay is beyond Applicants' control. If the State Water Board determines that the cause is beyond Applicants' control, it may suspend any corresponding reductions under Condition 3.b.vi until such time as the Applicants can reasonably control progress towards the Milestone.

The June 5, 2020 Cal-Am report presents what we believe to be incontrovertible evidence that missing Milestone 5 was beyond the Applicants' control. First, the delays imposed by the California Coastal Commission's processing of Cal-Am's appeal of the decision of Marina, and Cal-Am's own separate application for a coastal development permit, have made it impossible for Cal-Am to proceed with the activities necessary to meet Milestone 5. Notwithstanding warnings of dire consequences by Cal-Am, the Seaside Groundwater Basin Watermaster, and others, including SWRCB in its letter to the Coastal Commission dated May 8, 2020 indicating no further studies were needed, the Coastal Commission staff has insisted that they are requiring further studies and have continued to recommend denial of the project - which, of course, would leave the project dead in the water with no possibility whatsoever of meeting Milestone 5 or any subsequent Milestones.

Second, the Stay Order issued by the Monterey County Superior Court in the lawsuit brought by the City of Marina against Monterey County (County) represents a separate and independent reason for non-compliance that is clearly outside of Cal-Am's control. Simply put, the order precludes Cal-Am from proceeding with the work necessary to meet the requirements of Milestone 5. How can that not be viewed as outside of Cal-Am's control?

January 11, 2021

Page 3

In sum, the material delays caused both by the Coastal Commission staff and by order of the Monterey Superior Court were clearly and undeniably beyond Cal-Am's and the other Applicants' control. Based on the facts, no other conclusion is remotely tenable.

And what of the consequences for the community of enforcing a cut-back due to circumstances beyond Cal-Am's and the community's control? 1,000 acre-feet is a lot of water to be unfairly deprived of. Once the restrictions of COVID 19 are eased, there will be many businesses opening up again, and the economy of the Monterey Peninsula will undoubtedly experience an upsurge in water demand compared to what has occurred in the past year. The community will need this water, but what it certainly does not need are any additional restrictions that would hamper its ability to recover from the dire economic consequences of the pandemic.

In conclusion, we believe the evidence overwhelmingly supports a finding that missing Milestone 5 was beyond the control of Cal-Am and the other Applicants. PBC requests a factual hearing before the SWRCB Board on whether the cause for delay in meeting Milestone 5 is/was beyond the Applicants' control.

Thank you for consideration of our views as not only an "Applicant," but equally importantly, as one of the major employers and businesses on the Monterey Peninsula.

Respectfully submitted,

PEBBLE BEACH COMPANY

By: 

David L. Stivers, President

cc: Bill Perocchi, Chief Executive Officer, Pebble Beach Company  
Perocchb@pebblebeach.com

Ian Crooks, Vice-President, California American Water  
Ian.Crooks@amwater.com

Mayor Bill Peake, City of Pacific Grove  
bpeake@cityofpacificgrove.org

Mayor Clyde Roberson, City of Monterey  
roberson@monterey.org

Mayor Ian Oglesby, City of Seaside  
ioglesby@ci.seaside.ca.us

January 11, 2021

Page 4

Mayor Mary Ann Carbone, City of Sand City  
maryann@sandcityca.org

Mayor Alison Kerr, Del Rey Oaks  
akerr@delreyoaks.org

Mayor Dave Potter, City of Carmel-by-the-Sea  
dpotter@ci.carmel.ca.us

Bob McKenzie, Consultant to Coalition of Peninsula Businesses  
jrbobmck@gmail.com

Jeff Davi, Co-Chair, Coalition of Peninsula Businesses  
Jeff.Davi@mphtre.com

John Tilley, Co-Chair, Coalition of Peninsula Businesses  
The5amswim@Yahoo.com

Steve Park, President, Carmel River Steelhead Association  
stevepark@razzolink.com

E. Joaquin Esquivel  
Joaquin.esquivel@waterboards.ca.gov

Erik Ekdahl, SWRCB  
Erik.Ekdahl@waterboards.ca.gov

Steven Westhoff, SWRCB  
Steven.Westhoff@waterboards.ca.gov



## MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

Home Page: [www.mcwd.org](http://www.mcwd.org)

TEL: (831) 384-6131 FAX: (831) 883-5995

### DIRECTORS

JAN SHRINER  
*President*

THOMAS P. MOORE  
*Vice President*

HERBERT CORTEZ  
MATT ZEFFERMAN

January 4, 2021

RECEIVED

JAN 22 2021

MPWMD

Mr. David J Stoldt, General Manager  
Monterey Peninsula Water Management District  
5 Harris Court, Bldg G  
Monterey, CA 93940

Dear Mr. Stoldt:

The Marina Coast Water District (MCWD) is preparing an updated Urban Water Management Plan (UWMP) for submittal to the California Department of Water Resources, pursuant to the Urban Water Management Planning Act, as codified in the California Water Code Sections 10610-10656. The last UWMP was adopted in 2016.

The updated plan is currently being drafted. You will be contacted by our planning consultant for review and input on the development and water demand projections for the planning period, which runs to the year 2040. Our anticipated schedule for public review and plan adoption is:

April 22, 2021	Publish public review draft of the UWMP
May 17, 2021	Conduct public hearing at the regularly scheduled MCWD Board meeting
May 31, 2021	Comment period closes
June 21, 2021	Adopt final UWMP at the regularly scheduled MCWD Board meeting

We will provide you a copy of the public review draft plan in April. We invite your input and comments on the UWMP. Please provide input to our consultant, Schaaf & Wheeler Consulting Civil Engineers, Attn: Andy Sterbenz, 3 Quail Run Circle, Suite 101, Salinas, CA, 93907. Andy may be contacted by phone at (831) 883-4848, or by e-mail at [asterbenz@swwsv.com](mailto:asterbenz@swwsv.com). You may contact me by direct phone at (831) 883-5951, or e-mail [pbreen@mcwd.org](mailto:pbreen@mcwd.org).

Sincerely,

Patrick J. Breen

Water Resources Manager





**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL MARINE FISHERIES SERVICE**  
 West Coast Region  
 777 Sonoma Avenue, Room 325  
 Santa Rosa, California 95404-4731

January 29, 2021

Refer to NMFS No: WCRO-2017-7369

George Riley  
 Water Supply Planning Committee Chair  
 Monterey Peninsula Water Management District  
 5 Harris Court, Building G  
 Monterey, California 93940  
 rileyforwaterdistrict@gmail.com

Re: NOAA's National Marine Fisheries Service's (NMFS) Comments on the Construction of a Bypass Pipeline to Allow Simultaneous Pure Water Monterey Recovery and Aquifer Storage Recovery Injection

Dear Mr. Riley:

This letter is in regards to the Monterey Peninsula Management District (MPWMD) Water Supply Planning Committee's (Committee) pending recommendation to the MPWMD Board of Directors (Board) regarding adoption of an addendum to the Aquifer Storage and Recovery (ASR) Environmental Impact Report for construction of a 7,000 linear foot (LF) potable water transmission bypass pipeline in Seaside, California. NOAA's National Marine Fisheries Service (NMFS) is the federal agency responsible for implementing the Federal Endangered Species Act (ESA). The Carmel River supports a population of the federally threatened South-Central California Coast (S-CCC) steelhead (*Oncorhynchus mykiss*) Distinct Population Segment (DPS). NMFS identified the Carmel River as a Core 1 population (highest priority) for the recovery of the S-CCC DPS because of its size, location along the coast, and for its ability to serve as a source population for smaller, neighboring populations of the DPS (NMFS 2013).

For the past 100 years, the primary source of freshwater for the Monterey Peninsula region has been the Carmel River. Overutilization of freshwater in the Carmel River basin from groundwater extraction and surface water diversions contributed to the substantial decline of steelhead in the watershed and their listing under the ESA in 2006. The overutilization of freshwater from the Carmel River constrains steelhead migration and suitable habitat in the Carmel River (NMFS 2013). In most years, as a result of freshwater extractions, up to 9.5 miles of the lower river dries by the late spring/early summer, thereby eliminating considerable portions of juvenile steelhead rearing habitat. Consequently, juvenile steelhead must be rescued from these drying reaches and reared at the Sleepy Hollow Rearing Facility until water conditions are suitable for steelhead to be relocated back to the river. Impaired groundwater elevations and drying of the lower river also curtails steelhead adult and smolt migrations by restricting their ability to transit through a critical migration corridor in late spring and early summer. Finally, reduced flow durations in the lower river have restricted access to and impaired habitat conditions within the lagoon.



E. Joaquin Esquivel, SWRCB, Joaquin.Esquivel@waterboards.ca.gov  
Erik Ekdahl, SWRCB. Erik.Ekdahl@waterboards.ca.gov  
Steven Westhoff, SWRCB, Steven.Westhoff@waterboards.ca.gov  
Richard Svindland, California American Water. Rich.Svindland@amwater.com  
Ian Crooks, Vice President, California American Water, Ian.Crooks@amwater.com  
Chris Cook, Director of Operations, California American Water,  
Christopher.Cook@amwater.com  
Copy to ARN File # 151422WCR2017SR00186





**Monterey Peninsula Taxpayers Association**  
**PO Box 15 – Monterey – CA - 93942**

February 9, 2021

David Stoldt  
 General Manager  
 Monterey Peninsula Water Management District

RE: Nomination for replacement of Paul Bruno as MPTA representative on Ordinance  
 152 Oversight Committee

BY : Email

Dear Mr. Stoldt:

This letter nominates a replacement member for MPTA on the Ordinance 152 Oversight Committee (O/S/C).

MPTA Director Paul Bruno regrets that other commitments preclude his continuing to serve on the O/S/C as the MPTA representative.

MPTA nominates member Rudy Fischer, a resident of Pacific Grove & former PG City Councilman to replace Mr. Bruno.

Mr. Fischer's contact info: e: [rudyfischer@earhlink.net](mailto:rudyfischer@earhlink.net) / TEL: (831) 236-3431.

Alternate nominees:

Rick Heuer, Monterey resident & President MPTA at  
 e: [rick@wearehma.com](mailto:rick@wearehma.com) / TEL: (831) 655-0109 (W).

Tom Rowley, Monterey resident & Vice President MPTA at  
 e: [TomR2004@hotmail.com](mailto:TomR2004@hotmail.com) / Home Office TEL: (831) 373-5204 (H).

Sincerely yours,

Sincerely,

Rick Heuer  
 President