

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, February. The meetings begin at 6:00 PM.



AGENDA
Regular Meeting
Board of Directors
Monterey Peninsula Water Management District

Monday, April 20, 2020, 6:00 PM

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 WebEx.

Join the meeting at mpwmd.webex.com.

Meeting number: 626 909 230

Meeting password: vUtq3Yqnp32

Participate by phone: 877-668-4493

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

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 Thursday, April 16, 2020

CALL TO ORDER/ROLL CALL

PLEDGE OF ALLEGIANCE

ADDITIONS AND CORRECTIONS TO AGENDA - The Clerk of the Board 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.

OVERVIEW OF TELECONFERENCE PROTOCOLS (see page 4)

Board of Directors

Alvin Edwards, Chair – Division 1

Jeanne Byrne, Vice Chair - Division 4

George Riley – Division 2

Molly Evans – Division 3

Gary D. Hoffmann, P.E. – Division 5

Mary Adams, Monterey County Board of
Supervisors Representative

David Potter – Mayoral Representative

General Manager

David J. Stoldt

This agenda was posted at the District office at 5 Harris Court, Bldg. G Monterey on Thursday, April 16, 2020. Staff reports regarding these agenda items will be available for public review on April 16, 2020 at the District office and at the Carmel, Carmel Valley, Monterey, Pacific Grove and Seaside libraries. 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 available at the District office during normal business hours, and posted on the District website at www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/. Documents distributed at the meeting will be made available in the same manner. The next meeting of the Board of Directors is scheduled for May 13, 2020 at 6 pm.

ORAL COMMUNICATIONS - Anyone wishing to address the Board on Consent Calendar, Information Items, Closed Session items, or matters not listed on the agenda may do so only during Oral Communications. Please limit your comment to three (3) minutes. The public may comment on all other items at the time they are presented to the Board.

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 of the March 16, 2020 Regular Board Meeting and March 20, 2020 Special Board Meeting
2. Receive and File District-Wide Annual Water Distribution System Production Summary Report for Water Year 2019
3. Receive and File District-Wide Annual Water Production Summary Report for Water Year 2019
4. Receive Fiscal Year 2018-2019 Mitigation Program Annual Report
5. Consider Adoption of Treasurer's Report for February 2020

GENERAL MANAGER'S REPORT

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

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

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

PUBLIC HEARINGS – Public comment will be received. Please limit your comment to three (3) minutes per item

8. **Consider First Reading of Draft Ordinance No. 185 - Amending District Rule 24 to Allow Special Fixture Unit Accounting for Second Bathrooms in Existing Dwelling Units and to Permanently Adopt Sub-Metering Requirements and Exemptions for Accessory Dwelling Units**

Action: The Board will review the draft ordinance and consider setting it for second reading, and adoption at a future meeting date. A CEQA Negative Declaration will be considered at second reading.

9. **Consider Adoption of 2019 MPWMD Annual Report**

Action: The District's enabling legislation requires that a public hearing be conducted on the Annual Report.

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

10. **Consider Amendment to Contract with Pueblo Water Resources to Comply with Regional Water Quality Control Board Direction to Move ASR to the State's General Waiver**

Action: The Board will consider authorizing a contract to complete technical reporting and submit an application to the RWQCB to enroll the Carmel River ASR Project in the General Waiver.

11. **Consider Entering into a Reimbursement Agreement with California American Water and Act as Lead CEQA Agency for Construction of a Bypass Pipeline to Allow Simultaneous Pure Water Monterey Recovery and ASR Injection - Not a project – §15378 of CEQA Guidelines**

Action: The Board will consider authorizing the General Manager to enter into a reimbursement agreement with California American Water for the CEQA work associated with this project.

12. **Consider Adoption of 2020 Legislative Advocacy Plan**

Action: Review and approve the 2020 Legislative Advocacy Plan that establishes the District's legislative and government affairs priorities for FY 2020.

13. Consider Letter of Support for Certification of Supplemental Environmental Impact Report for Pure Water Monterey Expansion Back-Up Project

Action: The Board will consider submitting a letter to Monterey One Water in support of certification of the Supplemental EIR.

14. Consider Written Response to State Regarding Water Right 20808 A, B and C

Action: The Board will consider authorizing the General Manager to submit a letter to the SWRCB regarding Water Right 20808 A, B and C.

15. Consider Development of Policy on Option to Refuse Smart Water Meter Installation

Action: The Board will consider reaffirmation of its policy to support an opt-out of smart meter installation and discuss who should bear the burden of the cost to opt-out.

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.

16. Report on Activity/Progress on Contracts Over \$25,000
17. Status Report on Measure J/Rule 19.8 Phase II Spending
18. Monthly Progress Report – Santa Margarita Water Treatment Facility
19. Legislative Tracking Update
20. Letters Received Supplemental Letter Packet
21. Committee Reports
22. Monthly Allocation Report
23. Water Conservation Program Report
24. Carmel River Fishery Report for April 2020
25. Quarterly Carmel River Riparian Corridor Management Program Report
26. Monthly Water Supply and California American Water Production Report

ADJOURNMENT

Board Meeting Schedule			
Wednesday, May 13, 2020	Special Meeting/Budget Workshop	6:00 pm	District conference room
Monday, May 20, 2020	Regular Board Meeting	6:00 pm	District conference room
Monday, June 15, 2020	Regular Board Meeting	6:00 pm	District conference room

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. Please submit a written request, including your name, mailing address, phone number and brief description of the requested materials and preferred alternative format or auxiliary aid or service by noon on Friday, April 17, 2020. Requests should be sent to the Board Secretary, MPWMD, P.O. Box 85, Monterey CA, 93942. Please email your request to arlene@mpwmd.net or call 831-685-5610.

See next page of agenda for instructions on connecting to WebEx meeting

Instructions for Connecting to the WebEx Meeting

Note: If you have not used WebEx previously, when you begin connecting to the meeting you may be asked to download the app or join via the web. You can do either option. If your computer does not have a speaker or microphone you will need to also call the phone number. If you log on via your computer AND you call the phone number please disable your computer speakers using your Settings menu on your computer to avoid echoes that occur when using the computer web link AND the phone number to join.

Begin: Within 5 minutes of the meeting start time from your computer go to: mpwmd.webex.com. Under "Join a Meeting" enter the meeting number 626 909 230, hit the enter key enter the meeting password vUtq3Yqnp32 where shown, click "Join Meeting" and join in one of the methods listed below.

1) Audio and video connection from computer with WebEx app – view participants/materials on your screen

Once in the meeting, mute your microphone.

Turn your microphone on when it is your turn to speak.

2) Communicate by phone and view material on your computer screen

Once in the meeting, at the bottom of the meeting box, choose "Call In" Do not choose "Use Video System"

Click on "Start Meeting" / You will see a toll-free telephone number, access code, and attendee ID # -- use these with your phone.

Mute the microphone on your computer.

Disable computer speakers.

3) Join by phone only (no computer) dial 877-668-4493 and use the meeting number above.

Protocol for Meetings Conducted by Teleconference

- 1) The Chair will call the meeting to order.
- 2) Receipt of Public Comment – the Chair will ask for comments from the public on all items. In order to speak, please identify yourself and limit your comment to 3 minutes. The Chair will indicate when the public comment period has closed.
- 3) For Action and Discussion Items the Chair will receive a presentation from staff and the committee members may ask questions. Following the question and answer period, the Chair will ask for comments from the public.

Submit Oral or 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 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 Monday, April 20, 2020. All submitted comments will be provided to the Board of Directors and may be read into the record and will be compiled as part of the record.

ITEM: CONSENT CALENDAR

1. CONSIDER ADOPTION OF MINUTES OF THE MARCH 16, 2020 REGULAR BOARD MEETING AND MARCH 20, 2020 SPECIAL BOARD MEETING

Meeting Date: April 20, 2020

Budgeted: N/A

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

Program/ N/A
Line Item No.:

Prepared By: Arlene Tavani

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 **Exhibits 1-A and 1-B**, respectively, are draft minutes of the March 16, 2020 Regular Board meeting and the March 20, 2020 Special Board meeting.

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

EXHIBIT

1-A Draft Minutes of the March 16, 2020 Regular Board meeting

1-B Draft Minutes of the March 20, 2020 Special Board meeting



EXHIBIT 1-A

DRAFT MINUTES

Regular Meeting

Board of Directors

Monterey Peninsula Water Management District

March 16, 2020

Board Vice Chair Byrne called the meeting to order at 6:00 pm in the MPWMD conference room. Roll call vote ensued.

CALL TO ORDER/ROLL CALL

Directors Present:

Jeanne Byrne, Vice Chair – Division 4

George Riley - Division 2

Mary Adams – Monterey County Board of Supervisors Rep.

Directors Participating by Telephone:

Alvin Edwards, Chair – Division 1

Molly Evans – Division 3

Gary D. Hoffmann, P.E. – Division 5

David Potter – Mayoral Representative

General Manager present: David J. Stoldt

District Counsel present: David Laredo

The assembly recited the Pledge of Allegiance.

PLEDGE OF ALLEGIANCE

General Manager Stoldt reported the need to add an item to the agenda, which would be discussed after this meeting, to address action to be taken regarding permit processing relevant to the coronavirus. Additionally, a closed session meeting would also be conducted after the meeting to discuss employee wages and benefits should the need to address the coronavirus developed.

ADDITIONS AND CORRECTIONS TO AGENDA

On a motion and second, the Board approved the additions to the agenda on a unanimous roll-call vote of 7 – 0, by Directors Riley, Adams, Byrne, Edwards, Evans, Hoffman and Potter.

The following comments were presented under Oral Communications. **(a) Nina Beety** spoke in opposition to the installation and use of AMI/Smart Water Meters that California American Water sought approval for in the current General Rate Case. She also expressed her concern that the District supports the use of Smart Water Meters and stated this was an urgent matter and an environmental health issue that needed to be addressed by the District. **(b) Rudy Fischer** asked if it was possible for the District and other agencies to begin a mandatory mediation to address getting past the Cease and Desist Order restrictions so that the

ORAL COMMUNICATIONS

various water and housing needs could be discussed. (c) Peter Kaiser, resident of Pacific Grove expressed opposition to the installation of Smart Water Meters due to radiation exposure. Mr. Kaiser also stated he would like to see the District take action on water saving procedures such as removing the mud from Los Padres Dam, placing holding ponds back in Fort Ord and returning greywater to homes to allow for landscaping.

On a motion by Adams and second by Riley, the Consent Calendar was approved on a unanimous roll call vote of 7 – 0 except for items 3 and 6 that were pulled for separate consideration. The motion was approved by Riley, Adams, Byrne, Edwards, Evans, Hoffmann and Potter.

Adopted.

Adopted.

Evans offered a motion that was seconded by Riley to authorize staff to enter into a new contract with Right on Q, INC to complete the Tularcitos Aquifer Storage and Recovery Feasibility Analysis. The motion was approved by a roll call vote of 6 – 1 by Edwards, Byrne, Riley, Evans, Adams and Potter. Director Hoffmann voted against the motion.

Adopted.

Adopted.

Riley offered a motion that was seconded by Adams to authorize the General Manager to enter into a contract for CEQA services related to Measure J Phase 2. The motion was approved unanimously on a roll call vote of 7 – 0 by Byrne, Adams, Riley, Edwards, Evans, Hoffman and Potter.

Adopted.

Adopted.

A summary of General Manager Stoldt's presentation is on file at the District office and can be viewed on the agency's

CONSENT CALENDAR

1. **Consider Adoption of Minutes of the February 19, 2020 Regular Board Meeting**
2. **Confirm Appointments to Ordinance No. 152 Oversight Panel**
3. **Consider Expenditure of Budgeted Funds for Preparation of Analysis of Tularcitos Groundwater Basin as Potential Future Aquifer Storage and Recovery Site**
4. **Consider Approval of Funds to Enter into Contract with Zim Industries to Rehabilitate ASR 1**
5. **Consider Authorization to Contract with RJA Management Services for Facilitation of Board Strategic Planning Session**
6. **Consider Authorizing General Manager to Enter into Contract for CEQA Services Related to Measure J Phase 2**
7. **Declaration of Surplus Assets**
8. **Consider Adoption of Treasurer's Report for January 2020**

GENERAL MANAGER'S REPORT

9. **Status Report on California American Water Compliance with State Water**

website. He reported that for the month of February the Sand City Desalination Plant produced 27 acre-feet which was almost full capacity. Water demand for the first five months of the Water Year (October 2018 – February 2019) was 117 acre-feet over last year which could be attributed to increased irrigation due to low rainfall levels.

General Manager Stoldt reported that injection of water from the Pure Water Monterey project began February 19, 2020. The production wells were running at about two-thirds of total capacity but projects were proving to work out well. He noted that a report on the Santa Margarita Water Treatment Facility was in the March 16, 2020 meeting packet under Item 18.

Director Evans reported on her trip to Washington D.C. for the ACWA conference and how valuable it was. She learned what was happening at the Federal level for water projects in California and was pleased to hear about the push for recycled water at the Federal level. Director Adams concurred on the value of the meeting. She enjoyed meeting with Senator Feinstein's Chief Aide who was appreciative of the District's work. Director Byrne also enjoyed the conference and stated she was pleased with the attendance by the Board.

Adams offered a motion that was seconded by Potter to adopt the Fiscal Year 2019-20 Mid-Year Budget Adjustment. The motion was approved unanimously on a roll call vote of 7 – 0 by Byrne, Adams, Riley, Edwards, Evans, Hoffmann and Potter. No public comment was directed to the Board during the public hearing on this item.

Evans offered a motion that was seconded by Edwards to adopt the April through June 2010 Quarterly Water Supply Strategy and Budget. The motion was approved on a roll call vote of 6 – 1 by Byrne, Adams, Riley, Edwards, Evans and Potter. Director Hoffmann voted against the motion. No public comment was directed to the Board during the public hearing on this item.

Edwards offered a motion that was seconded by Hoffman to deny approval of grant funding for Hastings Reservation Ford Replacement on Finch Creek. The motion failed on a roll call vote of 3 – 4. Edwards, Evans and Hoffmann voted in favor of the motion. Byrne, Adams, Riley and Potter were opposed.

Adams offered a substitute motion that was seconded by Potter to approve the grant funding for Hastings Reservation

Resources Control Board Order 2016-0016 and Seaside Groundwater Basin Adjudication Decision

10. Update on Development of Water Supply Projects

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

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

PUBLIC HEARINGS

12. Consider Adoption of Fiscal Year 2019-20 Mid-Year Budget Adjustment

13. Consider Adoption of April through June 2020 Quarterly Water Supply Strategy and Budget

ACTION ITEMS

14. Consider Approval for Grant Funding for Hastings Reservation Ford Replacement on Finch Creek

Ford Replacement on Finch Creek. The motion was approved on a roll call vote of 4 -3. Byrne, Adams, Riley, and Potter voted in support of the motion, and Edwards, Evans and Hoffmann were opposed. No comments were directed to the Board during the public comment period on this item.

Potter offered a motion that was seconded by Evans to adopt Resolution No. 2020-03 Declaring the Week of March 16-22, 2020 to be Fix a Leak Week. The motion was approved unanimously on a roll call vote of 7 – 0 by Byrne, Adams, Riley, Edwards, Evans, Hoffmann and Potter. No comments were directed to the Board during the public comment period on this item.

There was no discussion of these items.

General Manager Stoldt reported that the District would like to close over-the-counter permit processing at the office effective Wednesday, March 18, 2020, however electronic submission would be available. He explained the action was taken as a way to address the coronavirus, and that other agencies were taking similar action. The length of closure would be for two weeks, however it would be contingent on Monterey County implementing a shelter in place order.

The meeting was adjourned to Closed Session at approximately 7:53 pm.

15. **Consider Adoption of Resolution No. 2020-03 Declaring the Week of March 16-22, 2020, to be Fix a Leak Week**

INFORMATIONAL ITEMS/STAFF REPORTS

16. **Report on Activity/Progress on Contracts Over \$25,000**
17. **Status Report on Measure J/Rule 19.8 Phase II Spending**
18. **Monthly Progress Report – Santa Margarita Water Treatment Facility**
19. **Letters Received**
20. **Committee Reports**
21. **Monthly Allocation Report**
22. **Water Conservation Program Report**
23. **Carmel River Fishery Report for March 2020**
24. **Monthly Water Supply and California American Water Production Report**

DISCUSSION ITEM ADDED TO THE AGENDA

25. **Permit Processing Window**

ADJOURNMENT

Sara Reyes, Sr. Office Specialist



EXHIBIT 1-B
DRAFT MINUTES
Special Meeting
Board of Directors
Monterey Peninsula Water Management District
March 20, 2020

Board Chair Edwards called the meeting to order at 12 pm.
 Pursuant to Governor Newsom's Executive Orders N-29-20
 and N-33-20, the meeting was conducted with virtual
 (electronic) participation via WebEx.

CALL TO ORDER/ROLL CALL

Directors Present via WebEx:

Alvin Edwards, – Chair, Division 1
 Jeanne Byrne – Vice Chair, Division 4
 George Riley, Division 2
 Molly Evans, Division 3
 Gary D. Hoffmann, P.E. – Division 5
 Mary Adams – Monterey County Board of Supervisors Rep.
 David Potter – Mayoral Representative

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 action.

**ADDITIONS AND CORRECTIONS TO
AGENDA**

No comments were directed to the Board.

ORAL COMMUNICATIONS

General Manager Stoldt presented a preliminary overview of
 the impacts to staffing, project priorities, and budget that
 were anticipated due to the Covid-19 response and shelter-
 in-place order. The Board offered suggestions for focusing
 on continuance of the District's mission and service to the
 public until restrictions could be lifted.

DISCUSSION ITEMS

- 1. Discuss Covid-19 Impacts on District Operations**

On a motion and second, the Board approved the
 Declaration of Emergency Status for District Operations on
 a unanimous roll-call vote of 7 – 0, by Directors Adams,
 Byrne, Edwards, Evans, Hoffmann, Potter and Riley.

ACTION ITEMS

- 2. Consider Declaration of Emergency Status for District Operations**

The meeting was adjourned at approximately 1 pm.

ADJOURNMENT

ITEM: CONSENT CALENDAR**2. RECEIVE AND FILE DISTRICT-WIDE ANNUAL WATER DISTRIBUTION
SYSTEM PRODUCTION SUMMARY REPORT FOR WATER YEAR 2019**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	David Stoldt, General Manager	Program/ Line Item No.:	Hydrologic Monitoring N/A
Prepared By:	Thomas Lindberg	Cost Estimate:	N/A

General Counsel Approval: 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: Staff has prepared the draft Water Production Summary Report for Water Distribution Systems (WDSs) within the Monterey Peninsula Water Management District (District) for Water Year (WY) 2019. WY 2019 covers the 12-month period from October 1, 2018 through September 30, 2019. Preliminary computations indicate that 10,682 acre-feet (AF) of water were produced by the 150 recognized WDSs in the District during WY 2019. In general, recognized WDSs refer to systems that either: (a) have received a WDS permit, or (b) have been confirmed as a pre-existing system prior to District rules that expanded WDS permitting requirements. The California American Water (Cal-Am) Main System, which is the largest WDS in the District, accounted for 9,352 AF or approximately 89% of the total production reported by WDSs in WY 2019.

RECOMMENDATION: This report is for informational purposes only. The Board should review the draft summary report and provide staff with any comments or questions. Staff will complete and file the final report, incorporating any late revisions, if this item is approved with the Consent Calendar.

BACKGROUND: All owners and operators of WDSs within the District are required to annually submit water production information to the District. In 1980, District Ordinance No. 1 defined a WDS as *works within the District used for the collection, storage, transmission, or distribution of water from the source of supply to the connection of a system providing water service to any connection including all water-gathering facilities and water-measuring devices*. Therefore, all wells within the District are considered to be WDSs. However, until the adoption of Ordinance No. 96 in 2001, only multiple-parcel WDSs were required to obtain a permit from the District. Other refinements to the Rules and Regulations governing WDSs were added with the adoption of Ordinance No. 105 in 2002; Ordinance No. 106 in 2003; Ordinance No. 118 in 2005; Ordinance No. 122 in 2006; Ordinance 160 in 2014; and Ordinance 175 in 2016. For the third consecutive year, no new WDSs were established in WY 2019, although 12 Requests for Confirmation of Exemption were approved during this period.

Each WDS must report the amount of water produced and where required, the amount of water delivered, in addition to the number of existing and new connections served during the reporting period. The information for WY 2019 is summarized in **Exhibit 2-A**. The WDSs shown are grouped by source area. This information is also incorporated into the District-Wide Water Production Summary Report, presented as the following item of the Consent Calendar of this packet. For comparative purposes, the Annual WDS Production Summary Report for WY 2018 is provided as **Exhibit 2-B**.

In WY 2019, 1,335 AF that was produced by Cal-Am wells in Carmel Valley was delivered to the Aquifer Storage and Recovery (ASR) project for injection into the Seaside Groundwater Basin. The ASR project recovered 744 AF from the Seaside Groundwater Basin and delivered for customer service to the Cal-Am system from the ASR project.

Production figures for three WDSs -- Bishop, Ryan Ranch, and Hidden Hills Units -- are reported separately from the Cal-Am main system, although Cal-Am owns and operates each of these satellite units. The Ryan Ranch Unit was acquired and annexed into the Cal-Am system in November 1989. The Hidden Hills Unit, which formerly reported as the Carmel Valley Mutual Water Company, was acquired and annexed into the Cal-Am system in March 1993. The Bishop Unit, which has been operated by Cal-Am since September 1996, was acquired and annexed into the Cal-Am system in July 1999. Although water production and delivery values for the Bishop, Hidden Hills and Ryan Ranch Units are reported separately from the values for Cal-Am's Main System in this report, they are included in Cal-Am's total production in the District-wide Production Summary Report (**Exhibit 3-A**) as "Cal-Am Wells Within the Water Resources System".

Three systems operated by the Cañada Woods Water Company (CWWC) are tracked separately in this report but are part of an interconnected system. Cañada Woods Alluvial, Cañada Woods Upland and Monterra Ranch WDSs have been merged into the CWWC WDS since WY 2005, although they are still reported separately here to facilitate comparisons from one year to another. Production shown in **Exhibit 2-A** for Monterra Ranch includes water produced from wells that was sent to the system's reverse osmosis (RO) desalination plant and un-treated water that was produced for non-potable purposes. Consumption losses for the CWWC include water line flushing and unmetered construction and irrigation uses. Beginning in WY 2010, the system loss calculation was revised by CWWC to present a single composite system loss value.

District-wide - Total WDS production within the District for WY 2019 was 10,682 AF. Of this total, the Cal-Am Main System (i.e., not including the Bishop, Hidden Hills and Ryan Ranch Units) accounted for 89% of the water produced by WDSs within the District. The other 149 systems (i.e., including the Bishop, Hidden Hills and Ryan Ranch Units) accounted for the remaining 11 percent of production. Total WDS production for WY 2019 is 222 AF (2.0%) less than the production reported for WY 2018. During WY 2019, Cal-Am's Main System production decreased by 243 AF (2.5%), while reported non Cal-Am WDS production increased by 21 AF (1.6%), relative to production in WY 2018.

Monterey Peninsula Water Resources System (MPWRS) - Total WDS production from the MPWRS, which includes the Carmel River and its tributaries, the Carmel Valley Alluvial Aquifer,

the Seaside Groundwater Basin was 10,134 AF in WY 2019. The comparisons below include production from Cal-Am's satellite systems (Bishop, Hidden Hills and Ryan Ranch Units) that derive their source of supply from the Laguna Seca Subarea (LSS) of the Seaside Groundwater Basin. The LSS was added to the MPWRS with the adoption of Ordinance No. 135 on September 22, 2008. Total WDS production within the MPWRS increased by 261 AF (2.6%) in WY 2019 compared to production in WY 2018. In WY 2019, production by Cal-Am from within the MPWRS (including Bishop, Hidden Hills and Ryan Ranch Units) increased by 45 AF (0.5%) and the combined production from 23 other active systems within the MPWRS increased by 47 AF (17.6%), relative to production reported for WY 2018.

2-A Water Production Summary Report for Water Distribution Systems for Water Year 2019

2-B Water Production Summary Report for Water Distribution Systems for Water Year 2018

EXHIBIT 2-A

13

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT									
WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2019									
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	CONNECTIONS				SOURCE AREA
					ACTIVE	AVG. PROD./ CONNECTION (AF)	AVG. DEL./ CONNECTION (AF)	NEW	
CAW (CAL-AM) Main System	WM	9,351.82	8,256.97	11.7%	37,701	0.25	0.22	42	AS1-4, SCS
SEASIDE MUNI	WM	177.98	161.63	9.2%	790	0.23	0.20	15	SCS
MPWMD ASR-1	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	SCS
MONTEREY BAY SHORES	WM	0.00	0.0	0.0%	0	0.00	0.0	0	SCS
ABADIR (A)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS2
ABADIR C (MANSON)	WM	0.01	N.A.	N.A.	1	0.01	N.A.	0	AS2
ANIMAL FARM	WM	0.77	N.A.	N.A.	1	0.77	N.A.	0	AS2
CARMEL VALLEY ROAD II	WM	2.54	N.A.	N.A.	4	0.64	N.A.	0	AS2
CHANEY/SCHAFER	LU	0.33	N.A.	N.A.	2	0.17	N.A.	0	AS2
FAIR WEATHER	LU	1.37	N.A.	N.A.	2	0.69	N.A.	0	AS2
GOOD NEIGHBOR	LU	1.23	N.A.	N.A.	2	0.62	N.A.	0	AS2
JONES	LU	0.23	N.A.	N.A.	1	0.23	N.A.	0	AS2
AIELLO	WM	0.33	N.A.	N.A.	1	0.33	N.A.	0	AS3
ALADWELL (ADDISON)	WM	2.66	N.A.	N.A.	2	1.33	N.A.	0	AS3
ALL SAINTS	WM	0.43	N.A.	N.A.	1	0.43	N.A.	0	AS3
CANADA WOODS ALLUVIAL	WM	154.80	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	AS3
LATTA DOM. (was BARDIS 2)	WM	0.14	N.A.	N.A.	1	0.14	0.00	0	AS3
LATTA IRRIG. (was BARDIS 2)	WM	2.43	N.A.	N.A.	1	2.43	N.A.	0	AS3
RANCHO SAN CARLOS ROAD	WM	2.60	N.A.	N.A.	3	0.87	N.A.	0	AS3
RIVERSIDE RV PARK	WM	14.73	N.A.	N.A.	N.A.	N.A.	N.A.	0	AS3
RSCRd#3/HATTON RANCHO	WM	3.31	N.A.	N.A.	3	1.10	N.A.	0	AS3
SAN MARCO	WM	1.37	N.A.	N.A.	3	0.46	N.A.	0	AS3
SCHUT/JONES	LU	2.72	N.A.	N.A.	2	1.36	N.A.	0	AS3
SELLE	LU	0.09	N.A.	N.A.	2	0.05	N.A.	0	AS3
ST. DUNSTAN'S	WM	0.16	N.A.	N.A.	1	0.16	N.A.	0	AS3
CARMEL GREENS	WM	15.02	N.A.	N.A.	1	15.02	N.A.	0	AS4
CLARK/WELLS FARGO	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS4
MAL PASO	WM	87.06	N.A.	0.0%	0	0.00	0.00	0	AS4
CACHAGUA RD. 1	WM	0.54	N.A.	N.A.	3	0.18	N.A.	0	CAC
CACHAGUA RD. 2	LU	0.92	N.A.	N.A.	9	0.10	N.A.	0	CAC
NASON ROAD	LU	0.00	N.A.	N.A.	4	0.00	N.A.	0	CAC
PRINCES CAMP	WM	7.28	N.A.	N.A.	50	0.15	N.A.	0	CAC
VALLEY CREEK (JENSEN) MHP	WM	6.62	N.A.	N.A.	24	0.28	N.A.	0	CAC
218 RANCH (ZOE)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
AGUA FRESCA	WM	2.90	N.A.	N.A.	2	1.45	N.A.	0	CVU
AMATYA	WM	0.06	N.A.	N.A.	1	0.00	N.A.	0	CVU
BELLAMY	WM	0.68	N.A.	N.A.	1	0.68	N.A.	0	CVU
BENTLEY (RUSEK)	WM	0.01	N.A.	N.A.	1	0.01	N.A.	0	CVU
BOOTH	WM	0.29	N.A.	N.A.	1	0.29	N.A.	0	CVU
BOSSO	WM	2.13	N.A.	N.A.	2	1.07	N.A.	0	CVU
BURLEIGH	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
CANADA WOODS UPLAND	WM	94.01	28.1	N.A.	69	1.36	0.41	2	CVU
CARMEL RESERVES (SEPT. RANC)	WM	2.39	N.A.	N.A.	1	2.39	N.A.	0	CVU
CASS WDS	WM	2.09	N.A.	N.A.	1	2.09	N.A.	0	CVU
CHAZEN (formerly FRUMKIN)	WM	0.10	N.A.	N.A.	1	0.10	N.A.	0	CVU
CHOPIN	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	CVU
COOPER	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
COUNTRY CLUB ROAD	LU	1.40	N.A.	N.A.	5	0.28	N.A.	0	CVU
D. GRIGGS	WM	5.77	N.A.	N.A.	1	5.77	N.A.	0	CVU
DALE	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
DALIRI (nee SADDLE RD GROUP)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
DOBBAS	WM	0.80	N.A.	N.A.	1	0.80	N.A.	0	CVU
DOLLASE	WM	11.88	N.A.	N.A.	4	2.97	N.A.	0	CVU
DUFFY (formerly GUENTHER)	WM	0.57	N.A.	N.A.	1	0.57	N.A.	0	CVU
DYER	WM	0.70	N.A.	N.A.	1	0.70	N.A.	0	CVU
FOREMAN	WM	0.00	0.0	0.0%	1	0.00	N.A.	0	CVU
FRANKS	WM	1.33	N.A.	N.A.	1	1.33	N.A.	0	CVU
GARZA (formerly GARREN QM)	WM	1.34	N.A.	N.A.	1	1.34	N.A.	0	CVU
GOODRICH-POTRERO	WM	0.00	N.A.	0.0%	0	N.A.	N.A.	0	CVU
GRANITE WDS	WM	2.35	N.A.	0.0%	1	2.35	0.00	0	CVU
GREENWALL-Kyung Cho (was KING)	WM	0.00	N.A.	N.A.	0	N.A.	N.A.	0	CVU
HAMERSLOUGH (LITT)	WM	0.00	N.A.	0.0%	1	0.00	N.A.	0	CVU
HELENIUS (LYON) WDS	WM	0.12	N.A.	N.A.	1	0.12	N.A.	0	CVU
HILLTOP RANCH	WM	6.49	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	CVU
HOLBROOK (POSPISHIL) WDS	WM	0.00	N.A.	N.A.	0	N.A.	N.A.	0	CVU
HYLES (RIVERA)	WM	0.19	N.A.	N.A.	1	0.19	N.A.	0	CVU
JABIN/BOUC WDS (PAGE/BOUC)	WM	4.08	N.A.	N.A.	2	2.04	N.A.	0	CVU
JOHNSON	WM	0.22	N.A.	N.A.	1	0.22	N.A.	0	CVU
KAMINSKI	WM	0.03	N.A.	N.A.	1	0.03	N.A.	0	CVU
KORSTANJE (CARDINALI) WDS	WM	0.09	N.A.	N.A.	1	0.09	N.A.	0	CVU
LARSON	WM	0.00	0.1	0.0%	1	0.00	0.00	0	CVU
LONG RIDGE SLCD	WM	3.43	N.A.	N.A.	123	0.03	N.A.	0	CVU
LOS ROBLES ROAD	WM	15.71	N.A.	N.A.	6	2.62	N.A.	0	CVU
MARCUS (TOBEY-WAGNER) WDS	WM	0.81	N.A.	N.A.	1	0.81	N.A.	0	CVU
MARQUEZ (CONDON)	WM	0.00	0.0	0.0%	1	0.00	N.A.	1	CVU
MESSIER (formerly GIBSON)	WM	0.61	N.A.	N.A.	1	0.61	N.A.	0	CVU
NEWSOME	WM	0.76	N.A.	N.A.	1	0.76	N.A.	0	CVU
NIXON (FLAGLER)	WM	0.00	0.0	0.0%	1	0.00	0.00	0	CVU
OH WELL/CAMPBELL (POOLE)	WM	0.07	0.0	0.0%	1	0.00	0.00	0	CVU

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT									
WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2019									
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	ACTIVE	CONNECTIONS			
						AVG. PROD./ CONNECTION (AF)	AVG. DEL./ CONNECTION (AF)	NEW	SOURCE AREA
OLSON (OUTZEN)	WM	0.08	N.A.	N.A.	1	0.08	N.A.	0	CVU
P&M RANCH	WM	9.71	N.A.	N.A.	6	1.62	N.A.	0	CVU
PATTERSON (WHITE)	WM	0.01	0.0	0.0%	1	0.00	0.00	0	CVU
PEBKAR	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
PELIO	WM	10.22	N.A.	N.A.	1	N.A.	N.A.	0	CVU
QUAIL MEADOWS DR. (Ullman)	WM	1.97	0.0	0.0%	1	0.00	0.00	1	CVU
R. JONES	WM	0.18	N.A.	N.A.	1	0.18	N.A.	0	CVU
RANCHO DE ROBLEDEO	WM	7.91	N.A.	N.A.	7	1.13	N.A.	0	CVU
RICHERS	WM	0.00	0.0	0.0%	1	0.00	N.A.	0	CVU
ROBERTS	WM	1.61	N.A.	N.A.	1	1.61	N.A.	0	CVU
RODDICK	WM	9.82	0.0	0.0%	0	0.00	0.00	0	CVU
RUHNKE (EVANS) WDS	WM	0.21	N.A.	N.A.	0	N.A.	N.A.	0	CVU
RUTHERFORD (BUCHHOLZ)	WM	3.46	N.A.	N.A.	1	3.46	N.A.	0	CVU
SADDLE MOUNTAIN	WM	3.61	N.A.	N.A.	26	0.14	N.A.	0	CVU
SAXTON	WM	0.11	N.A.	N.A.	1	0.11	N.A.	0	CVU
SCHULTE ROAD	WM	3.42	N.A.	N.A.	5	0.68	N.A.	0	CVU
SCHWARTZ	WM	0.65	0.0	0.0%	1	0.00	0.00	0	CVU
SLEEPY HOLLOW	WM	56.25	N.A.	N.A.	25	2.25	N.A.	2	CVU
SLEEPY HOLLOW 16/COLLINS	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
SLEEPY HOLLOW 17/DOLAH	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
SMITH (GARCIA)	WM	0.00	0.0	0.0%	1	0.00	N.A.	1	CVU
STEMPLE	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	CVU
SYCAMORE STABLES	WM	0.52	N.A.	0.0%	1	0.52	N.A.	0	CVU
TAO WOODS MUTUAL	WM	0.96	N.A.	N.A.	4	0.24	N.A.	0	CVU
UNITARIAN CHURCH	WM	0.12	N.A.	N.A.	2	0.06	N.A.	0	CVU
WARNER (formerly K. GRIGGS)	WM	2.37	N.A.	N.A.	1	2.37	N.A.	0	CVU
WASHBURN	WM	0.01	N.A.	N.A.	1	N.A.	N.A.	0	CVU
WEST	WM	0.24	N.A.	N.A.	1	0.24	N.A.	0	CVU
WOODS (formerly PREW)WDS	WM	0.53	N.A.	N.A.	1	0.53	N.A.	0	CVU
ZBES (Belzberg)	WM	0.10	N.A.	N.A.	1	0.10	N.A.	0	CVU
CAW BISHOP UNIT	WM	124.86	89.6	28.2%	385	0.32	0.23	6	LSS
CAW HIDDEN HILLS UNIT	WM	118.76	89.6	24.6%	456	0.26	0.20	2	LSS
CAW RYAN RANCH UNIT	WM	56.39	49.6	12.1%	192	0.29	0.26	1	LSS
SPCA	WM	10.09	N.A.	N.A.	2	5.05	N.A.	0	LSS
ADRIAN	WM	1.14	N.A.	N.A.	1	1.14	N.A.	0	MIS
AGUAJITO ROAD	WM	1.61	N.A.	N.A.	4	0.40	N.A.	0	MIS
ANDERSON	WM	0.39	N.A.	N.A.	1	0.39	N.A.	0	MIS
AUERBACH (formerly THORP)	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	MIS
BUTLER (was TROSKY)	WM	1.12	0.0	0.0%	1	0.00	0.00	0	MIS
CAPPO (formerly TYDINGS)	WM	0.30	N.A.	N.A.	3	0.10	N.A.	0	MIS
CARMEL HILL	WM	0.00	0.0	0.0%	1	0.00	0.00	0	MIS
CASANOVA WDS	WM	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0	MIS
CITY OF SAND CITY DESAL	WM	153.95	N.A.	N.A.	1	N.A.	N.A.	0	MIS
COFFEY (MELNICK)	WM	0.25	N.A.	N.A.	1	N.A.	N.A.	0	MIS
COLGAC	WM	0.09	N.A.	N.A.	1	0.00	N.A.	0	MIS
COX (HARTNETT)	WM	0.22	N.A.	N.A.	1	N.A.	N.A.	0	MIS
CULLEN (MAYL)	WM	0.44	N.A.	N.A.	1	0.00	N.A.	0	MIS
DEFIGUEIREDO (HEAD)	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	MIS
DMC	WM	0.01	N.A.	N.A.	1	0.01	N.A.	0	MIS
DUNNION	WM	0.83	N.A.	N.A.	1	0.83	N.A.	0	MIS
FLAGG HILL	WM	0.76	N.A.	N.A.	2	0.38	N.A.	0	MIS
FLORES 1 (formerly just "FLORES")	WM	0.76	N.A.	N.A.	1	0.00	0.00	0	MIS
FLORES 2 (formerly PISENTI)	WM	0.00	0.0	0.0%	1	0.00	0.00	1	MIS
GOLLOGY (formerly Garren Highland)	WM	0.06	N.A.	N.A.	1	0.06	N.A.	0	MIS
HIDDEN MESA	WM	0.35	N.A.	N.A.	3	0.12	N.A.	0	MIS
HULL (formerly KASHFI)	WM	0.00	0.0	0.0%	1	N.A.	N.A.	1	MIS
LAUCH	WM	0.17	N.A.	N.A.	1	0.17	N.A.	0	MIS
LENZ-KENDALL	WM	0.93	N.A.	N.A.	1	0.93	N.A.	0	MIS
MONTERRA RANCH	WM	65.71	31.1	15.7%	118	0.56	0.26	1	MIS
OCEAN VIEW CSD	WM	0.00	0.0	0.0%	0	0.00	0.00	0	MIS
PT.LOBOS RANCH	WM	4.77	N.A.	N.A.	3	1.59	N.A.	0	MIS
RANCHITOS DE AGUAJITO	WM	8.78	N.A.	N.A.	10	0.88	N.A.	0	MIS
REGAN - ALLEN RANCH	WM	1.47	N.A.	N.A.	1	1.47	N.A.	0	MIS
RILEY RANCH	WM	0.76	N.A.	N.A.	3	0.25	N.A.	0	MIS
RODATOS (GREEK ORTHODOX)	WM	0.03	N.A.	N.A.	1	0.03	N.A.	0	MIS
SENA TRUST	WM	0.00	N.A.	N.A.	2	0.00	N.A.	0	MIS
SILVESTRI	WM	8.31	N.A.	N.A.	1	8.31	N.A.	0	MIS
STEPHEN PLACE	WM	0.19	N.A.	N.A.	1	0.00	0.00	1	MIS
STOFFER/RANCHO U (was CAROL)	WM	0.65	N.A.	N.A.	1	N.A.	N.A.	0	MIS
SUNRISE SENIOR CENTER	WM	0.49	N.A.	N.A.	1	0.49	N.A.	0	MIS
VAN ESS	WM	0.00	N.A.	N.A.	0	0.00	N.A.	0	MIS
TOTALS:		10,681.63			40,159			77	

WATER DISTRIBUTION SYSTEM REPORT – WATER YEAR 2019

Notes:

1. Information shown is as provided by system owners and operators unless otherwise noted.
2. Methods for reporting production are either Land Use (LU) or Water Meter (WM).
3. The source areas are as follows:
 AS1 – Upper Carmel Valley – San Clemente Dam to Esquiline Bridge
 AS2 – Mid Carmel Valley – Esquiline Bridge to Narrows
 AS3 – Lower Carmel Valley – Narrows to Via Mallorca Bridge
 AS4 – Via Mallorca Bridge to Lagoon
 SCS – Seaside Coastal Subareas
 CAC – Cachagua
 CVU – Carmel Valley Upland
 LSS – Laguna Seca Subarea
 MIS – Peninsula, Carmel Highlands and San Jose Creek areas
4. California American Water (Cal-Am) Main System production includes 2,564.5 AF from Seaside coastal wells and 6,970.7 AF from Carmel Valley wells. No water was transferred to the Seaside Municipal Water System in WY 2019. The Carmel Valley well total includes 2.34 AF transferred to the Ryan Ranch Unit in 2019. 153.9 AF of potable water were produced by the City of San Diego Desalination Plant, provided to the main system, and are shown on the last line of the Water Distribution System Report. That 153.9 AF, however, is subtracted from the total production for all systems as it is included as a component of production for the Cal-Am Main System. 1,335.1 AF of water was provided for injection to ASR wells in the Seaside Basin from Cal-Am wells in Carmel Valley. 744.4 AF of injected ASR water was recovered from Seaside coastal wells in WY 2019, but is not included as it was already counted when it was originally produced prior to injection.
5. Cal-Am's main system deliveries total 8,256.97 AF. This total was derived as shown:

<u>Reported Cal-Am Consumption</u> <u>Water Year 2019 (AF)</u>	
City Total	5,752.83
County Total	2,504.08
subtotal	8,256.91
CV Irrigation	0.06
Total	8,256.97

6. N.A. refers to data that are not available and N.R. refers to systems that did not report.
7. The Mal Paso WDS was approved in WY 2016, which also required an amendment to the CAW WDS that occurred at the end of WY 2015. 87.06 AF was produced from the Mal Paso well in WY 2019, and that amount is included in production for the Cal-Am Main System. Also, the Monterra Ranch, Cañada Woods North (Upland) and Cañada Woods (Alluvial) WDSs were combined to form the *Cañada Woods Water Company WDS* in 2005, although they are reported separately here to facilitate historical comparisons.
8. The names of Cachagua Road #1 and #2 were switched in Reporting Year 1999 to agree with records of the Monterey County Department of Health. Older District records have the names of these two systems reversed.
9. Bishop Unit is operated by Cal-Am; acquired July 1999.
10. Rancho Fiesta has been operated by Cal-Am for over 25 years; all production and delivery is by the main Cal-Am system. Accordingly, the Rancho Fiesta system is not tracked separately in this report.
11. Hidden Hills was formerly referred to as Carmel Valley Mutual. It was annexed to Cal-Am in 1993. In WY 2019, no water was transferred from Hidden Hills to the Toro System.
12. The Ryan Ranch Unit is owned and operated by Cal-Am. 2.34 AF produced by wells in Cal-Am's Main System were delivered to the Ryan Ranch Unit in WY 2019 and were included with Cal-Am Main System total production.

13. Three systems that are operated by the Canada Woods Water company are tracked separately in this table but are part of an interconnected system. For the CWWC, consumption loss includes water line flushing and unmetered construction and irrigation uses. Beginning in 2010, system loss calculations were revised by CWWC to present a single composite loss value.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT									
WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2018									
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	CONNECTIONS				SOURCE AREA
					ACTIVE	AVG. PROD./ CONNECTION (AF)	AVG. DEL./ CONNECTION (AF)	NEW	
CAW (CAL-AM) Main System	WM	9,595.23	8,739.76	8.9%	37,646	0.25	0.23	28	AS1-4, SCS
218 RANCH (ZOE)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
ABADIR (A)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS2
ABADIR C (MANSON)	WM	0.02	N.A.	N.A.	1	0.02	N.A.	0	AS2
ADRIAN	WM	1.07	N.A.	N.A.	1	1.07	N.A.	0	MIS
AGUA FRESCA	WM	2.73	N.A.	N.A.	2	1.37	N.A.	0	CVU
AGUAJITO ROAD	WM	1.10	N.A.	N.A.	4	0.28	N.A.	0	MIS
AIELLO	WM	0.19	N.A.	N.A.	1	0.19	N.A.	0	AS3
ALADWELL (ADDISON)	WM	2.49	N.A.	N.A.	2	1.25	N.A.	0	AS3
ALL SAINTS	WM	0.84	N.A.	N.A.	1	0.84	N.A.	0	AS3
AMATYA	WM	0.01	0.0	0.0%	1	0.00	N.A.	0	CVU
ANDERSON	WM	0.82	N.A.	N.A.	1	0.82	N.A.	0	MIS
ANIMAL FARM	WM	1.44	N.A.	N.A.	1	1.44	N.A.	0	AS2
BELLAMY	WM	1.07	N.A.	N.A.	1	1.07	N.A.	0	CVU
BENTLEY (RUSEK)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
BOOTH	WM	0.42	N.A.	N.A.	1	0.42	N.A.	0	CVU
BOSSO (from LU method in 07)	WM	2.40	N.A.	N.A.	2	1.20	N.A.	0	CVU
BURLEIGH	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
BUTLER (was TROSKY)	WM	0.25	0.0	0.0%	1	0.00	0.00	0	MIS
CACHAGUA RD. 1	WM	0.20	N.A.	N.A.	3	0.07	N.A.	0	CAC
CACHAGUA RD. 2	LU	0.92	N.A.	N.A.	9	0.10	N.A.	0	CAC
CANADA WOODS ALLUVIAL	WM	154.26	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	AS3
CANADA WOODS UPLAND	WM	69.69	30.9	N.A.	67	1.04	0.46	8	CVU
CAPPO (formerly TYDINGS)	WM	0.41	N.A.	N.A.	3	0.14	N.A.	0	MIS
CARMEL GREENS	WM	13.95	N.A.	N.A.	1	13.95	N.A.	0	AS4
CARMEL HILL	WM	0.01	0.0	0.0%	1	0.00	0.00	1	MIS
CARMEL RESERVES (SEPTEMBER RANCH)	WM	12.47	N.A.	N.A.	1	12.47	N.A.	0	CVU
CARMEL VALLEY RANCH UNIT	WM	2.56	N.A.	N.A.	4	0.64	N.A.	0	AS2
CARROLL/RANCHO U	WM	0.70	N.A.	N.A.	1	N.A.	N.A.	0	MIS
CASANOVA WDS	WM	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0	MIS
CASS WDS	WM	2.41	N.A.	N.A.	1	2.41	N.A.	0	CVU
CAW BISHOP UNIT	WM	127.00	108.2	14.8%	385	0.33	0.28	6	LSS
CAW HIDDEN HILLS UNIT	WM	122.00	98.6	19.1%	454	0.27	0.22	2	LSS
CAW RYAN RANCH UNIT	WM	58.06	44.2	23.9%	185	0.31	0.24	27	LSS
CHANEY/SCHAFER	LU	0.33	N.A.	N.A.	2	0.17	N.A.	0	AS2
CHAZEN (formerly FRUMKIN)	WM	0.11	N.A.	N.A.	1	0.11	N.A.	0	CVU
CHOPIN	WM	0.28	N.A.	N.A.	1	0.28	N.A.	0	CVU
CITY OF SAND CITY DESAL	WM	189.55	N.A.	N.A.	1	N.A.	N.A.	0	MIS
CLARK/WELLS FARGO	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS4
COFFEY (MELNICK)	WM	N.A.	N.A.	N.A.	1	N.A.	N.A.	1	MIS
COLGAC	WM	0.15	N.A.	N.A.	1	0.00	N.A.	0	MIS
COOPER	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
COUNTRY CLUB ROAD	LU	1.40	N.A.	N.A.	5	0.28	N.A.	0	CVU
COX (HARTNETT)	WM	0.24	N.A.	N.A.	1	N.A.	N.A.	0	MIS
CULLEN (MAYL)	WM	0.18	N.A.	N.A.	1	0.00	N.A.	0	MIS
D. GRIGGS	WM	11.40	N.A.	N.A.	1	11.40	N.A.	0	CVU
DALE	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
DALIRI (nee SADDLE RD GROUP)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
DEFIGUEIREDO (HEAD)	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	MIS
DMC	WM	0.05	N.A.	N.A.	1	0.05	N.A.	0	MIS
DOBBAS	WM	0.64	N.A.	N.A.	1	0.64	N.A.	0	CVU
DOLLASE	WM	2.33	N.A.	N.A.	4	0.58	N.A.	0	CVU
DUFFY (GUENTHER)	WM	0.89	N.A.	N.A.	1	0.89	N.A.	0	CVU
DUNNION	WM	0.60	N.A.	N.A.	1	0.60	N.A.	0	MIS
DYER	WM	0.70	N.A.	N.A.	1	0.70	N.A.	0	CVU
FAIR WEATHER	LU	1.37	N.A.	N.A.	2	0.69	N.A.	0	AS2
FLAGG HILL	WM	0.49	N.A.	N.A.	2	0.25	N.A.	0	MIS
FLORES 1 (was just "FLORES")	WM	0.42	N.A.	N.A.	1	0.00	0.00	0	MIS
FLORES 2 (formerly PISENTI)	WM	0.00	N.A.	N.A.	1	0.00	0.00	1	MIS
FOREMAN	WM	0.00	0.0	0.0%	1	0.00	N.A.	0	CVU
FRANKS	WM	1.21	N.A.	N.A.	1	1.21	N.A.	0	CVU
GARZA (GARREN QM)	WM	0.77	N.A.	N.A.	1	0.77	N.A.	0	CVU
GOLLOGY (Garren Highlands)	WM	0.22	N.A.	N.A.	1	0.22	N.A.	0	MIS
GOOD NEIGHBOR	LU	1.23	N.A.	N.A.	2	0.62	N.A.	0	AS2
GOODRICH-POTRERO	WM	0.00	N.A.	0.0%	0	N.A.	N.A.	0	CVU
GRANITE WDS	WM	0.18	N.A.	0.0%	1	0.18	0.00	0	CVU
GREENWALL-Kyung Cho (KING)	WM	0.00	N.A.	N.A.	0	N.A.	N.A.	0	CVU
HAMERSLOUGH (LITT)	WM	0.02	N.A.	0.0%	1	0.00	N.A.	0	CVU
HELENIUS (LYON) WDS	WM	0.08	N.A.	N.A.	1	0.08	N.A.	0	CVU
HIDDEN MESA	WM	0.34	N.A.	N.A.	3	0.11	N.A.	0	MIS
HILLTOP RANCH	WM	8.60	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	CVU
HOLBROOK (POSPISHIL) WDS	WM	0.00	N.A.	N.A.	0	N.A.	N.A.	0	CVU
HULL (nee KASHFI)	WM	0.02	0.0	0.0%	1	N.A.	N.A.	1	MIS
HYLES (RIVERA/HOMZA)	WM	0.09	N.A.	N.A.	1	0.09	N.A.	0	CVU
JABIN/BOUC WDS (PAGE/BOUC)	WM	2.02	N.A.	N.A.	2	1.01	N.A.	0	CVU
JOHNSON	WM	0.33	N.A.	N.A.	1	0.33	N.A.	0	CVU
JONES	LU	0.23	N.A.	N.A.	1	0.23	N.A.	0	AS2
KAMINSKI	WM	0.12	N.A.	N.A.	1	0.12	N.A.	0	CVU
KORSTANJE (CARDINALI) WDS	WM	0.09	N.A.	N.A.	1	0.09	N.A.	0	CVU

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT									
WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2018									
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	CONNECTIONS				SOURCE AREA
					ACTIVE	AVG. PROD./ CONNECTION (AF)	AVG. DEL./ CONNECTION (AF)	NEW	
LARSON	WM	0.01	0.1	0.0%	1	0.00	0.00	0	CVU
LATTA DOM. (was BARDIS 2)	WM	0.12	N.A.	N.A.	1	0.12	0.00	0	AS3
LATTA IRRIG. (was BARDIS 2)	WM	2.31	N.A.	N.A.	1	2.31	N.A.	0	AS3
LAUCH	WM	0.38	N.A.	N.A.	1	0.38	N.A.	0	MIS
LENZ-KENDALL	WM	1.05	N.A.	N.A.	1	1.05	N.A.	0	MIS
LONG RIDGE SLCSD	WM	3.57	N.A.	N.A.	123	0.03	N.A.	0	CVU
LOS ROBLES ROAD	WM	16.97	N.A.	N.A.	6	2.83	N.A.	0	CVU
MAL PASO	WM	66.76	N.A.	0.0%	0	0.00	0.00	0	AS4
MARCUS (TOBEY-WAGNER) WDS	WM	1.01	N.A.	N.A.	1	1.01	N.A.	0	CVU
MARQUEZ (CONDON)	WM	N.A.	0.0	N.A.	1	0.00	N.A.	1	CVU
MESSIER (was GIBSON)	WM	0.43	N.A.	N.A.	1	0.43	N.A.	0	CVU
MONTEREY BAY SHORES	WM	0.00	0.0	0.0%	0	0.00	0.0	0	SCS
MONTEREY RANCH	WM	67.11	38.4	15.7%	117	0.57	0.33	0	MIS
MPWMD ASR-1	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	SCS
NASON ROAD	LU	0.00	N.A.	N.A.	4	0.00	N.A.	0	CAC
NEWSOME	WM	0.65	N.A.	N.A.	1	0.65	N.A.	0	CVU
NIXON (FLAGLER)	WM	0.00	0.0	0.0%	1	0.00	0.00	0	CVU
OCEAN VIEW CSD	WM	0.00	0.0	0.0%	0	0.00	0.00	0	MIS
OH WELL/CAMPBELL (POOLE)	WM	0.02	0.0	0.0%	1	0.00	0.00	0	CVU
OLSON (OUTZEN)	WM	0.06	N.A.	N.A.	1	0.06	N.A.	0	CVU
P&M RANCH	WM	10.13	N.A.	N.A.	6	1.69	N.A.	0	CVU
PATTERSON (WHITE)	WM	0.22	0.0	0.0%	1	0.00	0.00	0	CVU
PEBKAR	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
PELIO	WM	7.36	N.A.	N.A.	1	N.A.	N.A.	0	CVU
PRINCES CAMP	WM	8.19	N.A.	N.A.	50	0.16	N.A.	0	CAC
PT.LOBOS RANCH	WM	4.32	N.A.	N.A.	3	1.44	N.A.	0	MIS
QUAIL MEADOWS DR. (Ullman)	WM	1.88	0.0	0.0%	1	0.00	0.00	1	CVU
R. JONES	WM	0.27	N.A.	N.A.	1	0.27	N.A.	0	CVU
RANCHITOS DE AGUAJITO	WM	9.07	N.A.	N.A.	10	0.91	N.A.	0	MIS
RANCHO DE ROBLEDEO	WM	7.39	N.A.	N.A.	7	1.06	N.A.	0	CVU
RANCHO SAN CARLOS ROAD	WM	2.20	N.A.	N.A.	3	0.73	N.A.	0	AS3
REGAN - ALLEN RANCH	WM	1.69	N.A.	N.A.	1	1.69	N.A.	0	MIS
RICHES	WM	0.01	0.0	0.0%	1	0.00	N.A.	0	CVU
RILEY RANCH	WM	0.64	N.A.	N.A.	3	0.21	N.A.	0	MIS
RIVERSIDE RV PARK	WM	8.58	N.A.	N.A.	N.A.	N.A.	N.A.	0	AS3
ROBERTS	WM	2.24	N.A.	N.A.	1	2.24	N.A.	0	CVU
RODATOS (GREEK ORTHODOX)	WM	0.16	N.A.	N.A.	1	0.16	N.A.	0	MIS
RODDICK	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
RSCRd#3/HATTON RANCHO	WM	3.03	N.A.	N.A.	3	1.01	N.A.	0	AS3
RUHNKE (EVANS) WDS	WM	0.21	N.A.	N.A.	0	N.A.	N.A.	0	CVU
RUTHERFORD (BUCHHOLZ)	WM	3.16	N.A.	N.A.	1	3.16	N.A.	0	CVU
SADDLE MOUNTAIN	WM	3.26	N.A.	N.A.	26	0.13	N.A.	0	CVU
SAN MARCO	WM	2.47	N.A.	N.A.	3	0.82	N.A.	0	AS3
SAXTON	WM	0.12	N.A.	N.A.	1	0.12	N.A.	0	CVU
SCHULTE ROAD	WM	2.58	N.A.	N.A.	5	0.52	N.A.	0	CVU
SCHUT/JONES	LU	2.72	N.A.	N.A.	2	1.36	N.A.	0	AS3
SCHWARTZ	WM	0.51	0.0	0.0%	1	0.00	0.00	0	CVU
SEASIDE MUNI	WM	185.14	161.63	12.7%	790	0.23	0.20	15	SCS
SELLE	LU	0.09	N.A.	N.A.	2	0.05	N.A.	0	AS3
SENA TRUST	WM	0.01	N.A.	N.A.	2	0.01	N.A.	0	MIS
SILVESTRI	WM	0.90	N.A.	N.A.	1	0.90	N.A.	0	MIS
SLEEPY HOLLOW	WM	51.21	N.A.	N.A.	23	N.A.	N.A.	6	CVU
SLEEPY HOLLOW 16/COLLINS	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
SLEEPY HOLLOW 17/DOLAH	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
SMITH (GARCIA)	WM	0.07	0.0	0.0%	1	0.00	N.A.	1	CVU
SPCA	WM	9.31	N.A.	N.A.	2	4.66	N.A.	0	LSS
ST. DUNSTAN'S	WM	0.15	N.A.	N.A.	1	0.15	N.A.	0	AS3
STEMPLE	WM	0.07	N.A.	N.A.	1	0.00	N.A.	0	CVU
STEPHEN PLACE	WM	0.07	N.A.	N.A.	1	0.00	0.00	1	MIS
SUNRISE SENIOR CENTER	WM	1.11	N.A.	N.A.	1	1.11	N.A.	0	MIS
SYCAMORE STABLES	WM	1.12	N.A.	0.0%	1	1.12	N.A.	0	CVU
TAO WOODS MUTUAL	WM	1.99	N.A.	N.A.	4	0.50	N.A.	0	CVU
THORP	WM	0.38	N.A.	N.A.	1	0.38	N.A.	0	MIS
UNITARIAN CHURCH	WM	0.19	N.A.	N.A.	2	0.10	N.A.	0	CVU
VALLEY CREEK (JENSEN) MHP	WM	4.92	N.A.	N.A.	24	0.21	N.A.	0	CAC
VAN ESS	WM	0.00	N.A.	N.A.	0	0.00	N.A.	0	MIS
WARNER (K. GRIGGS)	WM	2.37	N.A.	N.A.	1	2.37	N.A.	0	CVU
WASHBURN	WM	0.12	N.A.	N.A.	1	N.A.	N.A.	0	CVU
WEST	WM	0.28	N.A.	N.A.	1	0.28	N.A.	0	CVU
WOODS (PREW)WDS	WM	0.18	N.A.	N.A.	1	0.18	N.A.	0	CVU
ZBES (Belzberg)	WM	0.39	N.A.	N.A.	1	0.39	N.A.	0	CVU
TOTALS:		10,903.95			40,089			100	

WATER DISTRIBUTION SYSTEM REPORT – WATER YEAR 2018

Notes:

1. Information shown is as provided by system owners and operators unless otherwise noted.
2. Methods for reporting production are either Land Use (LU) or Water Meter (WM).
3. The source areas are as follows:
 AS1 – Upper Carmel Valley – San Clemente Dam to Esquiline Bridge
 AS2 – Mid Carmel Valley – Esquiline Bridge to Narrows
 AS3 – Lower Carmel Valley – Narrows to Via Mallorca Bridge
 AS4 – Via Mallorca Bridge to Lagoon
 SCS – Seaside Coastal Subareas
 CAC – Cachagua
 CVU – Carmel Valley Upland
 LSS – Laguna Seca Subarea
 MIS – Peninsula, Carmel Highlands and San Jose Creek areas
4. California American Water (Cal-Am) Main System production includes 1,928.2 AF from Seaside coastal wells and 6,804.1 AF from Carmel Valley wells. No water was transferred to the Seaside Municipal Water System in WY 2018. The Carmel Valley well total includes 3.80 AF transferred to the Ryan Ranch Unit in 2018. 186.6 AF of potable water were produced by the City of Sand City Desalination Plant, provided to the main system, and are shown on the last line of the Water Distribution System Report. That 189.6 AF, however, is subtracted from the total production for all systems as it is included as a component of production for the Cal-Am Main System. 530.5 AF of water was provided for injection to ASR wells in the Seaside Basin from Cal-Am wells in Carmel Valley. 1,209.7 AF of injected ASR water was recovered from Seaside coastal wells in WY 2018, but is not included as it was already counted when it was originally produced prior to injection.
5. Cal-Am's main system deliveries total 8,739.76 AF. This total was derived as shown:

Reported Cal-Am Consumption	
Water Year 2017 (AF)	
City Total	6,057.84
County Total	2,673.15
subtotal	8,730.99
CV Irrigation	0.04
PB-LCP	8.73
Total	8,739.76

6. N.A. refers to data that are not available and N.R. refers to systems that did not report.
7. The Mal Paso WDS was approved in WY 2016, which also required an amendment to the CAW WDS that occurred at the end of WY 2015. 66.76 AF was produced from the Mal Paso well in WY 2018, and that amount is included in production for the Cal-Am Main System. Also, the Monterra Ranch, Cañada Woods North (Upland) and Cañada Woods (Alluvial) WDSs were combined to form the *Cañada Woods Water Company WDS* in 2005, although they are reported separately here to facilitate historical comparisons.
8. The names of Cachagua Road #1 and #2 were switched in Reporting Year 1999 to agree with records of the Monterey County Department of Health. Older District records have the names of these two systems reversed.
9. Bishop Unit is operated by Cal-Am; acquired July 1999.
10. Rancho Fiesta has been operated by Cal-Am for over 25 years; all production and delivery is by the main Cal-Am system. Accordingly, the Rancho Fiesta system is not tracked separately in this report.
11. Hidden Hills was formerly referred to as Carmel Valley Mutual. It was annexed to Cal-Am in 1993. In WY 2018, no water was transferred from Hidden Hills to the Toro System.
12. The Ryan Ranch Unit is owned and operated by Cal-Am. 3.80 AF produced by wells in Cal-Am's Main System were delivered to the Ryan Ranch Unit in WY 2018 and were included with Cal-Am Main System total production. Additionally, 39.22 AF produced by the Bishop Unit were transferred to the Ryan Ranch Unit in WY 2018.

13. Three systems that are operated by the Canada Woods Water company are tracked separately in this table but are part of an interconnected system. For the CWWC, consumption loss includes water line flushing and unmetered construction and irrigation uses. Beginning in 2010, system loss calculations were revised by CWWC to present a single composite loss value.

ITEM: CONSENT CALENDAR**3. RECEIVE AND FILE DISTRICT-WIDE ANNUAL WATER PRODUCTION SUMMARY REPORT FOR WATER YEAR 2019**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	David Stoldt, General Manager	Program/ Line Item No.:	Hydrologic Monitoring N/A
Prepared By:	Thomas Lindberg	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: Staff has prepared a draft Water Production Summary Report of all registered production sources, i.e., wells and surface water diversions, within the Monterey Peninsula Water Management District (District) for Water Year (WY) 2019. WY 2019 covers the 12-month period from October 1, 2018 through September 30, 2019. Preliminary computations indicate that 13,559 acre-feet (AF) of groundwater were produced from registered wells in the District during WY 2019 (**Exhibit 3-A**). In addition, 68 AF of surface water were diverted by private users. Combined surface and groundwater production from all sources within the District in WY 2019 was calculated at 13,886 AF. This report presents comparisons of California American Water (Cal-Am) and non Cal-Am production in WY 2019 and WY 2018, and compares production with the District's current water allocation program limits.

RECOMMENDATION: This report is for informational purposes only. The Board should review the draft summary report and provide staff with any comments or questions. Staff will complete and file the final report, incorporating any late revisions, if this item is approved with the Consent Calendar.

BACKGROUND: District Rules and Regulations require well owners and operators to submit annual water production information to the District. Well production is calculated by either the Land Use or Water Meter reporting method and is described below.

Number of Wells – Presently, there are 1,300 registered wells in the District. Of this total, 877 wells are active, and 411 wells are inactive. A well is considered active if it has produced any water in the last reporting period, i.e., WY 2019. Information on 12 remaining registered wells is not available because reporting forms were not returned by owners of those wells prior to preparation of this report.

Data Adjustments – For certain wells, staff estimated actual production to more accurately quantify water produced during WY 2019. Data adjustments were required to estimate water production from 91 wells that had either incomplete water meter records or reported water

production for a period longer than the water year. Production from metered wells with incomplete records was estimated by using generalized non Cal-Am monthly distribution factors developed by staff. In 33 cases, production records were incomplete because reported meter readings covered a period shorter than WY 2019. 24 of those records were incomplete because meters were not working or were replaced or repaired after the start of WY 2019. The application of monthly distribution factors allowed staff to reasonably account for the percentage of production that was not reported for each of these wells, which was then added to the annual total for these wells. There were 58 cases in which production was reported for a period longer than 12 months. Estimates of the amounts that were over-reported were made based on the monthly distribution factors. These amounts were then subtracted from the reported totals. There were also 19 cases where adjustments were made due to “order of magnitude issues” resulting from well owners incorrectly reading their water meters.

District-wide Production - Preliminary production values for WY 2019 are summarized by reporting method (i.e., Water Meter or Land Use), reporting status (i.e., active, inactive, or not reporting), and source area in **Exhibit 3-A**. For comparison, production values for WY 2018 are presented in **Exhibit 3-B**. The various source areas are shown in **Exhibit 3-C**. The volume of water produced from each source area is shown in **Exhibit 3-D**. The number of active non Cal-Am wells and the volume of water produced by each reporting method from WY 2005 through WY 2019 are shown in **Exhibit 3-E**.

District-wide, total water production increased by 1,028 AF (8.0%) in WY 2019 compared to WY 2018. Specifically, groundwater withdrawals increased by 1,052 AF (8.4%), and surface diversions decreased by 10 AF (13.3%). No surface water has been diverted within the Cal-Am main system since WY 2003 because of seismic safety and sedimentation concerns at San Clemente Dam and Reservoir. San Clemente dam was removed in 2015.

Monterey Peninsula Water Resources System (MPWRS) – The MPWRS includes surface water in the Carmel River and its tributaries, and groundwater in the Carmel Valley alluvial aquifer, coastal subareas of the Seaside Groundwater Basin, including the Laguna Seca Subarea (LSS) of the Seaside Groundwater Basin. Overall water production within the MPWRS in WY 2019 increased by 934 AF (8.0%) compared to WY 2018. Specifically, Cal-Am production in WY 2019 increased by 1,053 AF (11.7%), and non Cal-Am well production decreased by 119 AF (4.5%). Cal-Am production from Carmel Valley increased 1,167 AF (817.1%), and Cal-Am production from the Seaside Basin decreased by 114 AF (5.1%). Non Cal-Am production from Carmel Valley decreased by 160 AF (8.2%) compared to WY 2018, and non Cal-Am production from the Seaside Basin increased by 41 AF (6.1%). In WY 2019, 154 AF of potable water that was produced by the City of Sand City Desalination Plant was added to Cal-Am production because it was delivered to the Cal-Am main system.

In WY 2019, 1,335 AF were diverted from Cal-Am well sources in Carmel Valley for injection at the Aquifer Storage and Recovery (ASR) Projects in the Seaside Basin. 744 AF of recovery water was produced for Cal-Am Customer Service in WY 2019. For reference, since the District’s Seaside ASR Program began testing in WY 1998 through the end of WY 2019, a total of 9,896 AF have been injected into the Seaside Basin.

Water Allocation Program – With respect to the District’s Water Allocation Program limits, Cal-Am production from the MPWRS in WY 2019 was 10,089 AF, or 7,552 AF (42.8%) less than the Cal-Am production limit of 17,641 AF that was established with the adoption of Ordinance No. 87 in 1997. Non Cal-Am production within the MPWRS in WY 2019 was 2,504 AF, or 542 AF (17.8%) less than the non Cal-Am production limit of 3,046 AF established by Ordinance No. 87. Combined production from Cal-Am and non Cal-Am sources within the MPWRS was 12,592 AF in WY 2019, which is 8,095 acre-feet (39.1%) less than the 20,687 acre-feet production limit set for the MPWRS as part of the District’s Water Allocation Program. Therefore, no action is necessary at this time, although staff will continue to monitor production trends within the MPWRS and District-wide. A comparison of reported water production from the MPWRS in Reporting Year 1997, WY 2007, and WY 2019 relative to the District’s Water Allocation limits is presented in **Exhibit 3-F**. 1997 was the last time the production limits were adjusted. Prior to 2008, the LSS was not included in the MPWRS, but was added with the adoption of Ordinance 135 on September 22, 2008. However, the production limits in the District’s Allocation Program did not change. Production from the MPWRS in RY 1997 and WY 2007 presented in **Exhibit 3-F** has been adjusted to include production from the LSS. Production from non-Cal-Am sources has not fluctuated a great deal, and since production from LSS is included, non-Cal-Am production has been over the production limit several years. Historical Cal-Am production presented in **Exhibit 3-F** was also adjusted to include production from the LSS. Cal-Am production from the MPWRS has greatly decreased, and since Cal-Am represents such a large portion of total production, combined production from Cal-Am and non-Cal-Am sources has also decreased over the last several years.

Lastly, it should be noted that 99% of the groundwater production within the District was reported by the water meter method in WY 2019. In addition, 99% of registered well owners in the District reported annual production for their wells in WY 2019.

EXHIBITS

- 3-A** District-wide Water Production Summary for Water Year 2019
- 3-B** District-wide Water Production Summary for Water Year 2018
- 3-C** MPWMD Water Production Source Areas
- 3-D** Water Production by Source Area for Water Year 2018
- 3-E** District-wide Production and Number of Wells by Reporting Method for non Cal-Am Wells in WY 2005 through WY 2019
- 3-F** Comparison of Reported Production to Production Limits within the MPWRS in RY 2007, WY 2007 and WY 2019

**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DRAFT WATER PRODUCTION SUMMARY FOR WATER YEAR 2019**

SOURCE AREAS ^{1, 2}	NON CAW (NON CAL-AM) WELLS						CAW (CAL-AM) WELLS		AQUIFER SUBUNIT TOTALS	
	WATER METER		LAND USE		SUB-TOTAL		WATER METER			
	NO. OF WELLS	PRODUCTION (AF) ³	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)		
AS1	8	65.9	1	0.1	9	66.0	0	0.0	9	66.0
AS2	58	139.3	29	29.2	87	168.5	4	1,000.4	91	1,168.9
AS3	142	891.2	40	24.8	182	916.1	8	⁵ 6,026.3	190	6,942.4
AS4	28	181.6	4	0.6	32	182.1	2	944.1	34	1,126.2
SCS	12	710.8	2	1.3	14	712.1	6	1,820.2	20	2,532.2
LSS	9	437.3	1	2.8	10	440.1	4	297.7	14	737.8
CAC	8	19.7	5	6.1	13	25.8	0	0.0	13	25.8
CVU	313	610.6	43	35.7	356	646.3	0	0.0	356	646.3
MIS	141	393.8	10	5.5	151	399.3	0	0.0	151	399.3
ACTIVE	718	3,364.9	135	106.1	853	3,470.9	24	10,088.6	877	13,559.5
INACTIVE	368		33		401		10		411	
NOT REPORTING	7		5		12		0		12	
SAND CITY DESAL							0	154.0		adjusted for SC desal
METHOD TOTALS:	1,093	3,364.9	173	106.1	1,266	3,470.9	34	10,242.5	1,300	13,713.5
NOTES:						DISTRICT-WIDE PRODUCTION				
1. Shaded areas indicate production within the Monterey Peninsula Water Resources System. The LSS was added to the Monterey Peninsula Water Resources System in Septembter 2008.						SURFACE WATER DIVERSIONS:				
2. CAW - California American Water						CAW Diversions (San Clemente Dam): 0.0				
3. Source areas are as follows: AS1 - UPPER CARMEL VALLEY - San Clemente Dam to Esquiline Bridge AS2 - MID CARMEL VALLEY - Esquiline Bridge to Narrows AS3 - LOWER CARMEL VALLEY - Narrows to Via Mallorca Bridge AS4 - LOWER CARMEL VALLEY - Via Mallorca Bridge to Lagoon SCS - SEASIDE COASTAL SUBAREAS LSS - LAGUNA SECA SUBAREA (Ryan Ranch Area is within LSS) CAC - CACHAGUA CREEK and UPPER WATERSHED AREAS CVU - CARMEL VALLEY UPLAND - Hillsides and Tularcitos Creek Area MIS - PENINSULA, CARMEL HIGHLANDS AND SAN JOSE CREEK AREAS						Non Cal-Am Diversions Within MPWRS: 18.7				
4. Any minor numerical discrepancies in addition are due to rounding.						CAW WELLS:				
5. 1,335.06 AF is included in CAW production from AS3 to account for water delivered to ASR in WY 2019.						⁶ SEASIDE: 2,117.8				
6. This total includes water produced in both SCS and LSS, and does not include 744.36 AF of ASR water that was recovered for Customer Service in WY 2019.						CARMEL VALLEY: 7,970.7				
7. Production includes 2.34 AF to Ryan Ranch from CAW Main System in WY 2018. No water was delivered to Seaside Municipal System in WY 2019.						Within the Water Resources System: 10,088.6				
						Outside the Water Resources System: 0.0				
						Sand City Desal 154.0				
						⁷ CAW TOTAL, Wells and Diversion: 10,242.5				
						NON CAW WELLS:				
						Within the Water Resources System: 2,484.9				
						Outside the Water Resources System: 1,071.5				
						Non Cal-Am Diversions Outside the MPWRS: 68.2				
						NON CAW TOTAL, Wells and Diversion: 3,643.2				
						GRAND TOTAL: 13,885.8				

**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
DRAFT WATER PRODUCTION SUMMARY FOR WATER YEAR 2018**

SOURCE AREAS ^{1, 2}	NON CAW (NON CAL-AM) WELLS						CAW (CAL-AM) WELLS		AQUIFER SUBUNIT TOTALS	
	WATER METER		LAND USE		SUB-TOTAL		WATER METER			
	NO. OF WELLS	PRODUCTION (AF) ³	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)
AS1	9	72.6	1	0.1	10	72.6	0	0.0	10	72.6
AS2	60	194.0	30	30.3	90	224.3	4	336.8	94	561.1
AS3	140	1,003.0	42	32.2	182	1,035.2	8	5,503.0	190	6,538.2
AS4	30	192.3	5	2.4	35	194.7	2	964.2	37	1,158.9
SCS	14	669.5	2	1.8	16	671.4	6	1,928.2	22	2,599.6
LSS	10	413.1	1	2.5	11	415.5	4	303.3	15	718.8
CAC	8	11.5	5	10.5	13	22.0	0	0.0	13	22.0
CVU	315	548.5	41	35.9	356	584.4	0	0.0	356	584.4
MIS	141	331.7	10	5.5	151	337.2	0	0.0	151	337.2
ACTIVE	726	3,436.1	137	121.1	863	3,557.3	24	9,035.5	887	12,592.7
INACTIVE	357		34		391		10		401	
NOT REPORTING	4		7		11		0		11	
SAND CITY DESAL							0	189.6		adjusted for SC desal
METHOD TOTALS:	1,087	3,436.1	178	121.1	1,265	3,557.3	34	9,225.0	1,299	12,782.3

NOTES:

1. Shaded areas indicate production within the Monterey Peninsula Water Resources System. The LSS was added to the Monterey Peninsula Water Resources System in Septembter 2008.

2. CAW - California American Water

3. Source areas are as follows:
AS1 - UPPER CARMEL VALLEY - San Clemente Dam to Esquiline Bridge
AS2 - MID CARMEL VALLEY - Esquiline Bridge to Narrows
AS3 - LOWER CARMEL VALLEY - Narrows to Via Mallorca Bridge
AS4 - LOWER CARMEL VALLEY - Via Mallorca Bridge to Lagoon
SCS - SEASIDE COASTAL SUBAREAS
LSS - LAGUNA SECA SUBAREA (Ryan Ranch Area is within LSS)
CAC - CACHAGUA CREEK and UPPER WATERSHED AREAS
CVU - CARMEL VALLEY UPLAND - Hillsides and Tularcitos Creek Area
MIS - PENINSULA, CARMEL HIGHLANDS AND SAN JOSE CREEK AREAS

4. Any minor numerical discrepancies in addition are due to rounding.

5 530.49 AF is included in CAW production from AS3 to account for water delivered to ASR in WY 2018.

6. This total includes water produced in both SCS and LSS, and does not include 1,209.72 AF of ASR water that was recovered for Customer Service in WY 2018.

7. Production includes 3.80 AF to Ryan Ranch from CAW Main System in WY 2018. No water was delivered to Seaside Municipal System in WY 2018.

DISTRICT-WIDE PRODUCTION

SURFACE WATER DIVERSIONS:

CAW Diversions (San Clemente Dam):

0.0

Non Cal-Am Diversions Within MPWRS:

8.8

CAW WELLS:

SEASIDE:

2,231.4

CARMEL VALLEY:

6,804.1

Within the Water Resources System:

9,035.5

Outside the Water Resources System:

0.0

Sand City Desal

189.6

CAW TOTAL, Wells and Diversion:

9,225.0

NON CAW WELLS:

Within the Water Resources System:

2,613.8

Outside the Water Resources System:

943.5

Non Cal-Am Diversions Outside the MPWRS:

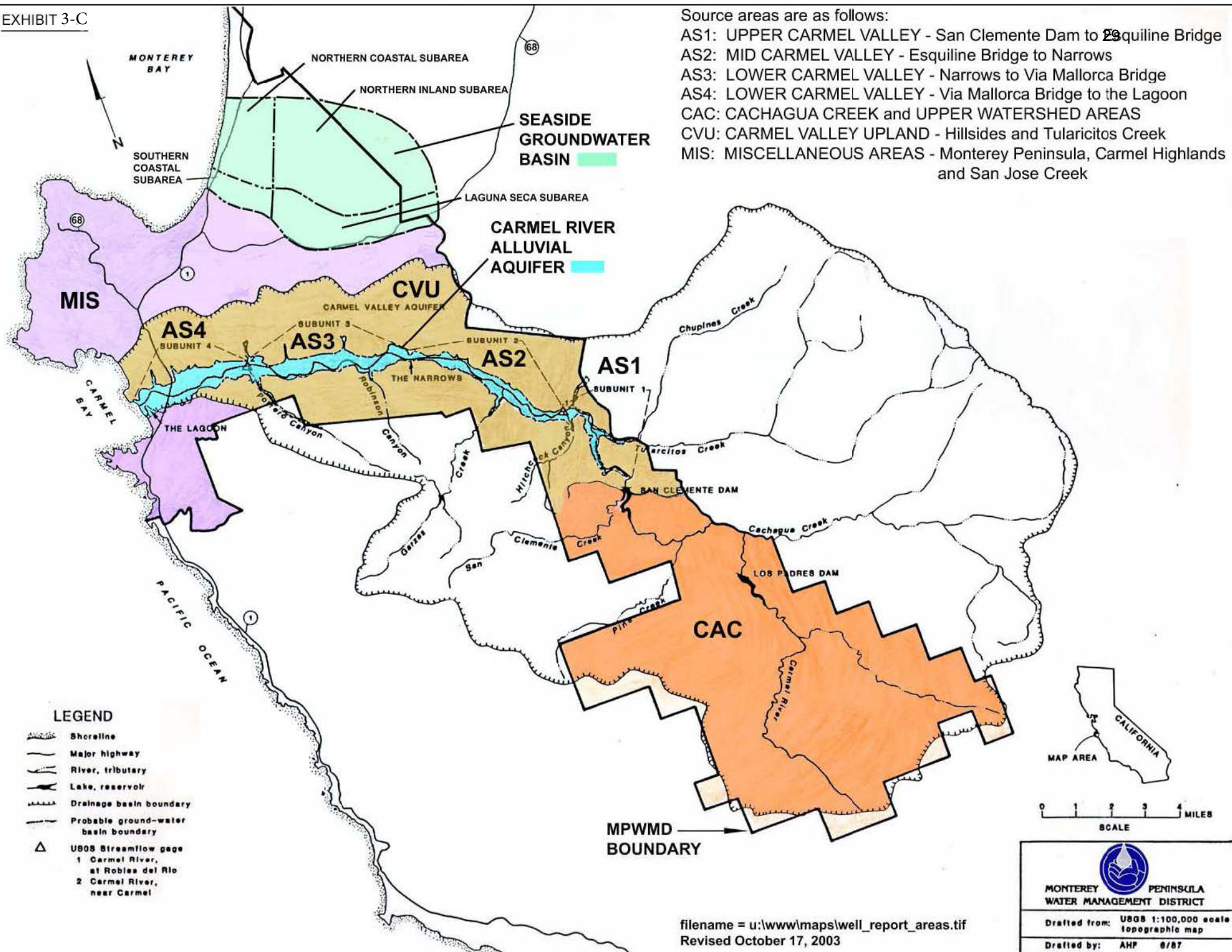
67.8

NON CAW TOTAL, Wells and Diversion:

3,633.9

GRAND TOTAL:

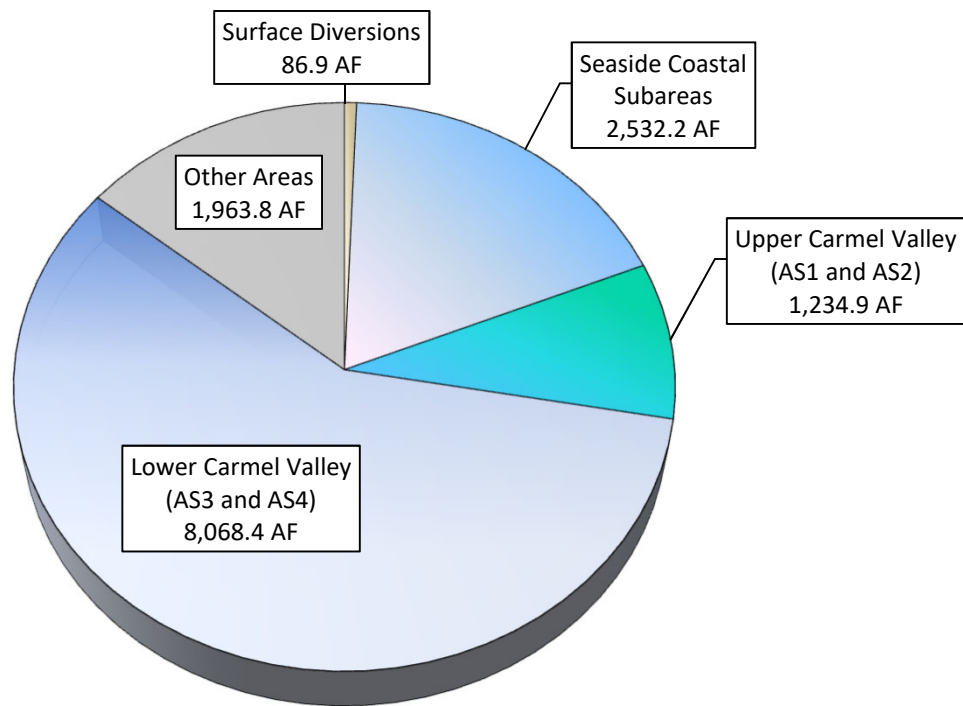
12,858.9



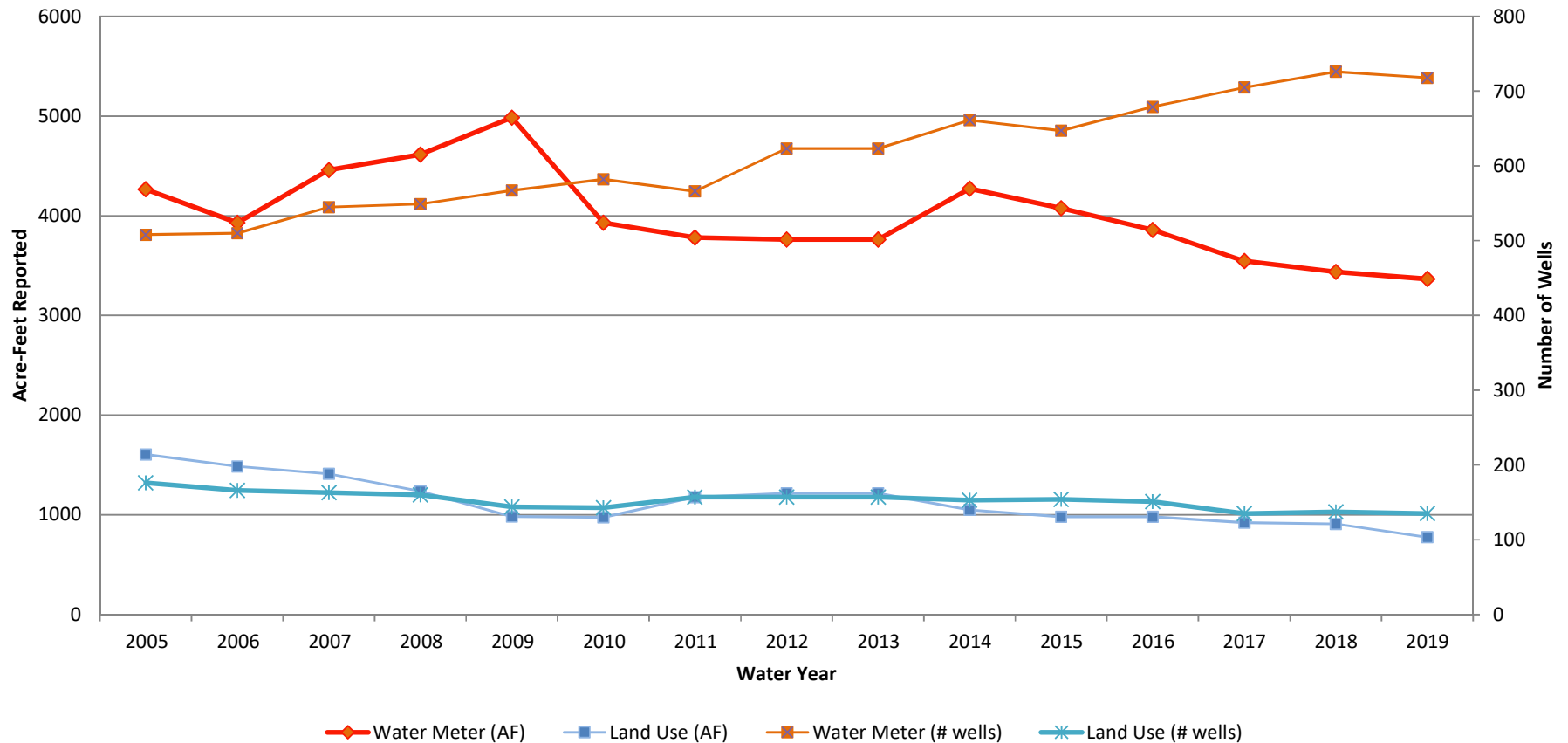
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

WATER PRODUCTION BY SOURCE AREA WATER YEAR 2019

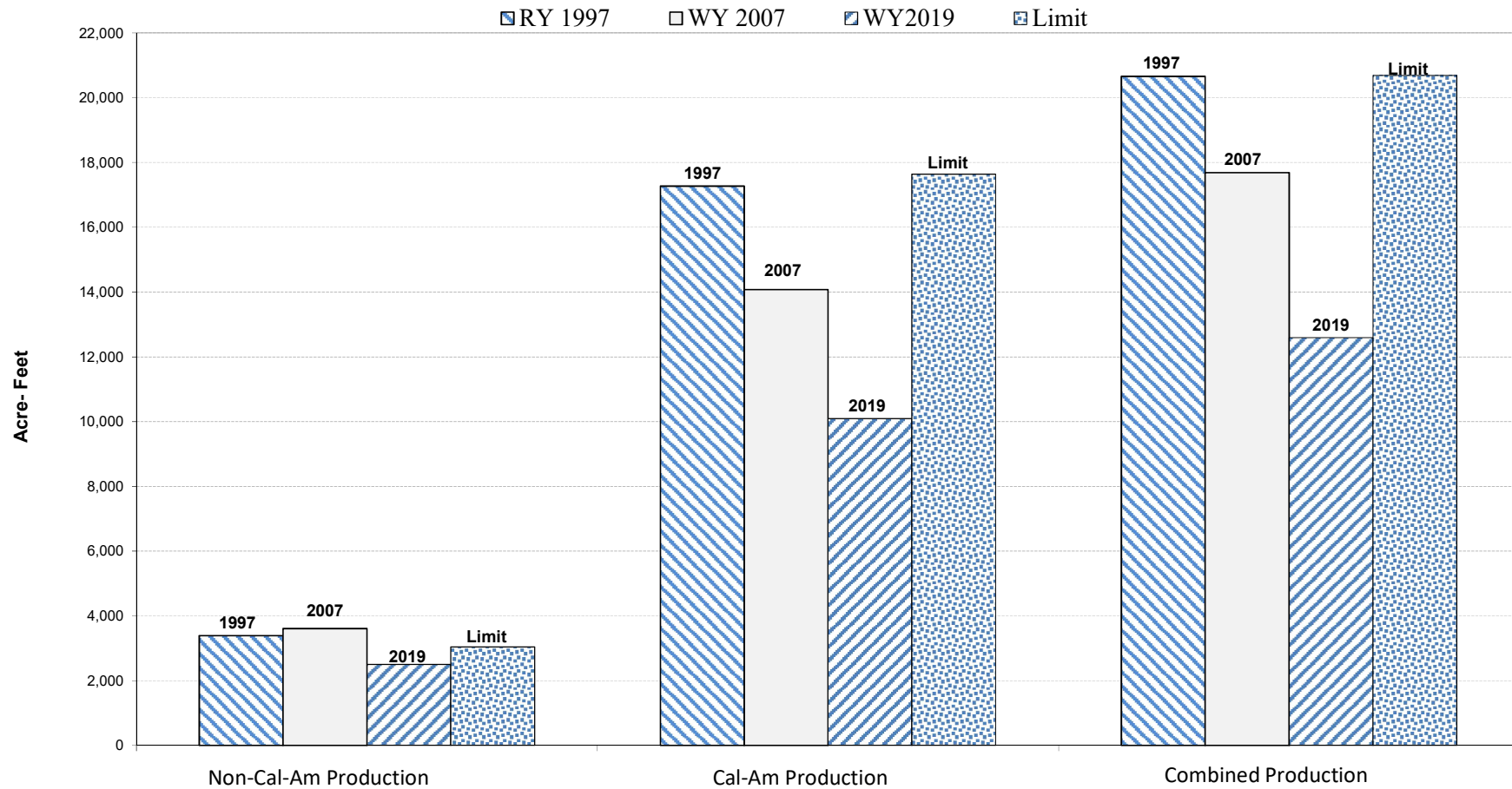
TOTAL PRODUCTION = 13,886 Acre-Feet (AF)



**Acre-Feet Reported by Non-Cal-Am Wells
and Number of Wells by Reporting Method
Water Years 2005 - 2019**



**Comparison of Reported Production to Allocation Limits
within the Monterey Peninsula Water Resources System
Reporting Year 1997, Water Year 2007 and Water Year 2019**



ITEM: CONSENT CALENDAR**4. RECEIVE FISCAL YEAR 2018-2019 MITIGATION PROGRAM ANNUAL REPORT****Meeting Date:** April 20, 2020 **Budgeted:** N/A**From:** David J. Stoldt **Program/** N/A
 General Manager **Line Item No.:****Prepared By:** Thomas Christensen **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 AND RECOMMENDATION: The Board should receive and review the Executive Summary for the 2018-2019 Mitigation Program Annual Report. If adopted along with the Consent Calendar, the full report will incorporate any comments if needed and be finalized so it can be distributed to interested agencies and posted to the District's website for public availability. The Executive Summary provides an overview of the major accomplishments, conclusions and/or recommendations. The Executive Summary for the 2018-2019 Mitigation Program Annual Report is attached as **Exhibit 4-A**.

The annual report primarily reviews Monterey Peninsula Water Management District (MPWMD or District) activities that address the effects of community water use on the Carmel River environment in the Fiscal Year (FY), defined as the 12-month period from July 1, 2018 through June 30, 2019. Please note that hydrologic data and well production reporting data are described for Water Year 2019 (October 1, 2018 through September 30, 2019). Use of the Water Year format for these data is consistent with reporting required by the State Water Resources Control Board (SWRCB) and Seaside Basin Watermaster.

This report is the 28th annual report since the Mitigation Program Plan was adopted by the District Board in November 1990, as part of the certification of the MPWMD Water Allocation Environmental Impact Report (Water Allocation EIR), in compliance with the California Environmental Quality Act (CEQA). Copies of the full annual report will be provided to the Board members upon request, and will be provided to the required resource agencies and other interested parties as needed.

BACKGROUND: On November 5, 1990, the Water Allocation EIR was certified by the MPWMD Board. The Board also adopted findings, and passed a resolution that set Option V as the new water allocation limit. Option V resulted in a production limit of 16,744 acre-feet per year (AFY) for the California American Water (Cal-Am) system. Subsequently, this amount was increased to 17,641 AFY based on new supply provided by the completion of the Paralta Well in Seaside in 1993, and other changes since 1993. On October 20, 2009, the SWRCB issued Order 2009-0060, the "Cease and Desist Order" (CDO) against Cal-Am. The CDO refers to the 1995

SWRCB Order 95-10, noting that compliance with Order 95-10 had not yet been achieved. The CDO institutes a series of cutbacks to Cal-Am production from the Carmel River system and prohibits new or intensified connections in the Cal-Am main system. The CDO reduced the upper limit of diversion from the Carmel River previously set by Order 95-10 at 11,285 AFY to 10,429 AFY beginning in WY 2010, with additional annual reductions thereafter. In 2016, the SWRCB issued State Board Order 2016-0016 changing the production limit on the Carmel River to 8,310 AFY.

The Water Allocation EIR determined that even though Option V is the least damaging alternative of the five options analyzed, production at this level still may result in significant, adverse, environmental impacts that must be mitigated. Thus, the CEQA Findings adopted by the Board in 1990 included a "Five-Year Mitigation Program for Option V" and several general mitigation measures. The Five-Year Mitigation Program formally began in July 1991 with the new fiscal year and was slated to run until June 30, 1996. Following public hearings in May 1996 and District Board review of draft reports through September 1996, the Five-Year Evaluation Report for the 1991-1996 comprehensive program, as well as an Implementation Plan for FY 1997 through FY 2001, were finalized in October 1996. In its July 1995 Order WR 95-10, the SWRCB ordered Cal-Am to carry out any aspect of the "Five-Year Mitigation Program for Option V" that the District does not continue after June 1996. To date, as part of its annual budget approval process, the District Board has voted to continue the program. The Mitigation Program presently accounts for a significant portion of the District budget in terms of revenue and expenditures.

For projects or programs that entail significant adverse impacts, CEQA requires that an annual report be prepared documenting: (1) the actual mitigation activities that were carried out by the lead agency, and (2) the effectiveness of the mitigation activities, as measured via a monitoring program. The Water Allocation Mitigation Report responds to these requirements.

The 2018-2019 report reviews District activities relating to water supply and demand, followed by mitigation measures for specific environmental impacts. It also provides a summary of costs for the Mitigation Program as well as references. For each topic, the mitigation measure adopted as part of the certified Allocation EIR is briefly described, followed by a summary of activities carried out in FY 2018-2019 that relate to the topic. Monitoring results, where applicable, are then presented. Finally, a summary of conclusions, and/or recommendations are provided, where pertinent.

IMPACT ON STAFF/RESOURCES: Mitigation Program costs for FY 2018-2019 totaled approximately \$4.63 million including direct personnel expenses, operating costs, project expenditures, capital equipment, and fixed asset purchases. The annual cost of mitigation efforts varies because several mitigation measures are weather dependent. Expenditures in FY 2018-2019 were \$2.28 million higher than the prior fiscal year due to increases in Mitigation Program costs related to San Carlos Restoration Project and the Sleepy Hollow Intake project. However, the overall costs have remained constant (average of \$2.69 million per year) for the last five years. In the past, expenditures had trended upward due to expenditures for the Aquifer Storage Recovery (ASR) Project. ASR Project costs are no longer captured under Mitigation Program Costs. FY 2016-2017 expenditures were \$2.17 million; and FY 2017-2018 expenditures were \$2.35 million.

During FY 2018-2019, revenues totaled \$5.80 million including user fees, tax revenues, grant

receipts, investment income and miscellaneous revenues. The Mitigation Program Fund Balance as of June 30, 2019 was \$4.60 million.

EXHIBIT

4-A Executive Summary for 2018-2019 Annual Mitigation Report

U:\staff\Boardpacket\2020\20200420\ConsentCalendar\04\Item-4.docx

EXHIBIT 4-A**2018-2019 ANNUAL REPORT****(July 1, 2018 - June 30, 2019)****MPWMD MITIGATION PROGRAM
WATER ALLOCATION PROGRAM ENVIRONMENTAL IMPACT REPORT****MONTEREY PENINSULA WATER MANAGEMENT DISTRICT****Prepared April 2020****I. EXECUTIVE SUMMARY****INTRODUCTION AND BACKGROUND:**

In April 1990, the Water Allocation Program Final Environmental Impact Report (EIR) was prepared for the Monterey Peninsula Water Management District (MPWMD or District) by J.L. Mintier and Associates. The Final EIR analyzed the effects of five levels of annual California American Water (CAW or Cal-Am) production, ranging from 16,744 acre-feet per year (AFY) to 20,500 AFY. On November 5, 1990, the MPWMD Board certified the Final EIR, adopted findings, and passed a resolution that set Option V as the new water allocation limit. Option V resulted in an annual limit of 16,744 AFY for Cal-Am production, and 3,137 AFY for non-Cal-Am production, with a total allocation of 19,881 AFY for the Monterey Peninsula Water Resource System (MPWRS). The MPWRS is the integrated system of water resources from the Carmel River Alluvial Aquifer and Seaside Groundwater Basin that provide the Monterey Peninsula community's water supply via the Cal-Am water distribution network.

Even though Option V was the least damaging alternative of the five options analyzed in the Water Allocation Program EIR, production at this level still resulted in significant, adverse environmental impacts that must be mitigated. Thus, the findings adopted by the Board included a "Five-Year Mitigation Program for Option V" and associated mitigation measures.

In June 1993, Ordinance No. 70 was passed, which amended the annual Cal-Am production limit from 16,744 AF to 17,619 AF, and the non-Cal-Am limit from 3,137 AF to 3,054 AF; the total production limit was increased from 19,881 AF to 20,673 AF per year due to new supply from the Paralta Well in Seaside. In April 1996, Ordinance No. 83 slightly changed the Cal-Am and non-Cal-Am annual limits to 17,621 AF and 3,046 AF, respectively, resulting in a total limit of 20,667 AFY. In February 1997, Ordinance No. 87 was adopted to provide a special water allocation for the planned expansion of the Community Hospital of the Monterey Peninsula, resulting in a new Cal-Am production limit of 17,641 AFY; the non-Cal-Am limit of 3,046 AFY was not changed. These actions did not affect the implementation of mitigation measures adopted by the Board in 1990.

The Five-Year Mitigation Program formally began in July 1991 with the new fiscal year (FY) and was slated to run until June 30, 1996. Following public hearings in May 1996 and District Board review of draft reports through September 1996, the Five-Year Evaluation Report for the 1991-

1996 comprehensive program, as well as an Implementation Plan for FY 1996-1997 through FY 2000-2001, were finalized in October 1996. In its July 1995 Order WR 95-10, the State Water Resources Control Board (SWRCB) directed Cal-Am to carry out any aspect of the Five-Year Mitigation Program that the District does not continue after June 1996. To date, as part of the annual budget approval process, the District Board has voted to continue the program. The Mitigation Program has accounted for a significant portion of the District's annual budgets in terms of revenue (derived primarily from a portion of the MPWMD user fee on the Cal-Am bill) and expenditures. It should be noted that this fee was removed from Cal-Am's bill in July 2009, resulting from actions subsequent to a California Public Utilities Commission ruling regarding a Cal-Am rate request. Cal-Am continued to pay the Carmel River Mitigation Program fee under a separate agreement with MPWMD through June 2010. The District and Cal-Am have negotiated an annual funding agreement that funded part of the 2016-2017 mitigation program. In April 2017, the MPWMD resumed collection of its user fee from Cal-Am ratepayers. The District's other revenue sources were used to fund the remainder of the program.

The California Environmental Quality Act (CEQA) (Pub. Res. Code 21081.6) requires that the MPWMD adopt a reporting or monitoring program to insure compliance with mitigation measures when implementing the Water Allocation Program. Findings Nos. 387 through 404 adopted by the Board on November 5, 1990 describe mitigation measures associated with the Water Allocation Program; many entail preparation of annual monitoring reports. This 2018-2019 Annual Report for the MPWMD Mitigation Program responds to these requirements. It covers the fiscal year period of July 1 through June 30. It should be noted that hydrologic data and well reporting data in this report are tabulated using the water year, defined as October 1 through September 30, in order to be consistent with the accounting period used by the SWRCB.

This 2018-2019 Annual Report first addresses general mitigation measures relating to water supply and demand (Sections II through XI), followed by monitoring related to compliance with production limits, drought reserve and supply augmentation (Sections XII through XV), followed by mitigations relating to specific environmental resources (Sections XVI through XIX). Section XX provides a summary of costs for the biological mitigation programs as well as related hydrologic monitoring, water augmentation and administrative costs. Section XXI presents selected references.

Table I-1 summarizes the mitigation measures described in this report. In subsequent chapters, for each topic, the mitigation measure adopted as part of the Final EIR is briefly described, followed by a summary of activities relating to the topic in FY 2018-2019 (July 1, 2018 through June 30, 2019, unless otherwise noted). Monitoring results, where applicable, are also presented. Tables and figures that support the text are found at the end of each section in the order they are introduced in the text.

ACCOMPLISHMENTS:

Many activities are carried out as part of the MPWMD Mitigation Program to address the environmental effects that community water use has upon the Carmel River and Seaside Groundwater Basins. Highlights of the accomplishments in FY 2018-2019 for each major category are shown in **Table I-2**.

OBSERVED TRENDS, CONCLUSIONS AND/OR RECOMMENDATIONS:

The following paragraphs describe observed trends (primarily qualitative), conclusions and/or recommendations for the mitigation program. General conclusions are followed by a summary of selected Mitigation Program categories.

General Overview

Overall, the Carmel River environment with respect to riparian vegetation, river flow, and aquifer levels is in better condition today than it was in 1990 when the Allocation Program EIR was prepared. This improvement is evidenced by increased riparian habitat and higher water tables in the Carmel Valley alluvial aquifer. However, the steelhead fishery was rebounding until the onset of the 2012-2015 drought. During and after the drought, steelhead numbers declined to levels similar to those seen in previous droughts. Then in 2017, with abundant winter rains, adult steelhead were observed in the system and the District did not have to rescue juvenile steelhead in the mainstem of the Carmel River. However, rescues were carried out in the tributaries. This was also the case in the summer of 2019.

The comprehensive MPWMD Mitigation Program is an important factor responsible for this improvement. Direct actions such as fish rescues and rearing, and riparian habitat restoration literally enable species to survive and reproduce. Indirect action such as conservation programs, water augmentation, ordinances/regulations and cooperative development of Cal-Am operation strategies result in less environmental impact from human water needs than would occur otherwise. The District's comprehensive monitoring program provides a solid scientific data baseline, and enables better understanding of the relationships between weather, hydrology, human activities and the environment. Better understanding of the MPWRS enables informed decision-making that achieves the District's mission of benefiting the community and the environment.

It is acknowledged that there are other important factors responsible for this improved situation. For example, since Water Year (WY) 1991, the Carmel River has received normal or better runoff in 18 out of 28 years. Actions by federal resource agencies under the Endangered Species Act (ESA) or the SWRCB under its Order WR 95-10 and follow-up orders have provided strong incentive for Cal-Am and other local water producers to examine and amend water production practices to the degree feasible, and for the community to reduce water use. Except for one year in 1997, the community has complied with the production limits imposed on Cal-Am by the SWRCB since Order 95-10 became effective in July 1995.

Despite these improvements, challenges still remain due to human influence on the river. The steelhead and red-legged frog remain listed as threatened species under the ESA. At least several miles of the river still dry up in most years, harming habitat for listed fish and frog species. The presence of the one existing dam, flood-plain development and water diversions to meet community and local user needs continue to alter the natural dynamics of the river. Streambank restoration projects may be significantly damaged in large winter storm events, and some people continue to illegally dump refuse into the river or alter their property without the proper permits. Thus, the Mitigation Program (or a comprehensive effort similar to it) will be needed as long as

significant quantities of water are diverted from the Carmel River and people live in close proximity to it.

Water Resources Monitoring Program

Streamflow and precipitation data continue to provide a scientific basis for management of the water resources within the District. These data continue to be useful in Carmel River Basin planning studies, reservoir management operations, water supply forecast and budgeting, and defining the baseline hydrologic conditions of the Carmel River Basin. Also, the District's streamflow monitoring program continues to produce high quality and cost-effective data.

There is limited storage of surface water on the Carmel River. Los Padres Reservoir, completed in 1948, holds 1,667 AF of storage (without flashboard), based on 2017 survey data. In addition, San Clemente Reservoir (SCR), completed in 1921, was removed in the fall of 2015 by order of the Department of Water Resources (DWR) due to seismic safety concerns.

Groundwater levels, and consequently groundwater storage conditions, in the Carmel Valley Alluvial Aquifer have maintained a relatively normal pattern in recent years, in contrast to the dramatic storage declines that were observed during the prolonged 1987-1991 drought period. The relatively stable storage in the Carmel Valley alluvial aquifer in recent years is attributable to a combination of periods of more favorable hydrologic conditions and the adoption of improved water management practices that have tended to preserve higher storage conditions in the aquifer. In WY 2019, Carmel Valley Alluvial Aquifer storage increased compared with recent years as this year was classified as "extremely wet."

In contrast, storage conditions in the coastal portion of the Seaside Groundwater Basin have not been stable in recent years, in particular with respect to the deeper Santa Margarita aquifer, from which over 80 percent of the Cal-Am production in the Seaside Basin is derived. This downward trend in water levels reflects the changed production operations in the Seaside Basin stemming primarily from changed practices after SWRCB Order 95-10. The increased annual reliance on production from Cal-Am's major production wells in Seaside, along with significant increases in non-Cal-Am use, have dramatically lowered water levels in this aquifer, and seasonal recoveries have not been sufficient to reverse this trend.

To address this storage depletion trend, the District initiated efforts in the 2000-2001 timeframe to prepare a Seaside Basin Groundwater Management Plan in compliance with protocols set by the State of California (AB 3030, as amended by SB 1938). This process was superseded by litigation filed by Cal-Am in August 2003, requesting a court adjudication of water production and storage rights in the Seaside Basin. The District participated in all litigation proceedings as an intervening "interested party". The Superior Court held hearings in December 2005 and issued a final adjudication decision in March 2006, which was amended through an additional court filing in February 2007. The final decision established a new, lower "natural safe yield" for the Basin of 3,000 AFY, and an initial Basin "operating safe yield" of 5,600 AFY. Under the decision, the operating safe yield would be reduced by 10% every three years until the operating safe yield matches the natural safe yield of the Basin in 2021. The Court also created a nine-member Watermaster Board (of which the District is a member) to implement the Court's decision. With

the triennial reductions in operational yield required by the Seaside Basin Adjudication Decision, water levels have not been declining as fast as previously observed.

One of the means that could potentially mitigate this observed storage depletion trend is a program that the District has been actively pursuing since 1996 -- the Seaside Basin groundwater injection program (also known as aquifer storage and recovery, or ASR). ASR entails diverting excess water flows (typically in Winter/Spring) from the Carmel Valley Alluvial Aquifer through existing Cal-Am facilities and injecting the water into the Seaside Groundwater Basin for later recovery in dry periods.

The primary goal of the MPWMD ASR Project is better management of existing water resources and production facilities to help reduce impacts to the Carmel River, especially during the dry season. The projects are viewed as being complementary to other larger, long-term water augmentation projects that are currently being pursued for the Monterey Peninsula. These projects, also known as Phase 1 and 2 ASR projects, entail a maximum diversion of 2,426 AFY, and 2,900 AFY respectively from the Carmel River for injection. The combined average yield for both projects is estimated at about 2,000 AFY. The operation of the Phase 1 and 2 ASR Projects result in reduced unauthorized pumping of the Carmel River in Summer/Fall and increased storage in the Seaside Basin, which are both considered to be environmentally beneficial.

The ASR water supply efforts in 2018-2019 included: (1) continued work with regulatory and land use agencies on expansion of the Phase 1 Santa Margarita ASR site; (2) continued work on the utility water system for the Phase 2 ASR Project at the Seaside Middle School site; (3) coordination with Cal-Am and other parties to construct the necessary infrastructure for the ASR project expansion; and (4) continued implementation of a Memorandum of Understanding (MOU) with Cal-Am on operation and maintenance at the ASR facilities.

Groundwater quality conditions in both the Carmel Valley Alluvial Aquifer and Seaside Basin have remained acceptable in terms of potential indicators of contamination from shallow sources such as septic systems. There have been no identifiable trends indicative of seawater intrusion into the principal supply sources the coastal areas of these two aquifer systems to date.

Steelhead Fishery Program

- **Adult Steelhead**

Previous redd surveys below the former San Clemente Dam (SCD) confirm that the spawning habitat in the lower river has improved considerably over the last 21 years and many adults now spawn there instead of the upper watershed. In addition, juvenile steelhead rescued by the District from the lower river that survive to adulthood may be more likely to return to the lower river to spawn rather than migrate upstream.

Variability of adult steelhead counts are likely the result of a combination of controlling and limiting factors including:

- Adverse ocean conditions with increased water temperatures off the coast of California,

and degraded ocean water quality likely affecting the abundance of food resources and possibly even the survival of returning steelhead;

- variable river and flow conditions effects on all steelhead life stages including adult steelhead, as migration may be limited or blocked, and spawning reaches may dry early;
- variable lagoon conditions, caused by artificial manipulation of the sandbar and/or naturally occurring periods of low winter flows; and
- low densities of juvenile fish affecting subsequent adult populations.

• **Juvenile Steelhead**

Long-term monitoring of the juvenile steelhead population at eleven sites along the mainstem Carmel River below Los Padres Dam (LPD) shows that fish density continues to be quite variable both year to year and site to site from less than 0.10 fish-per-foot (fpf) of stream to levels frequently ranging above 1.00 fpf, values that are typical of well-stocked steelhead streams. In this 2019 reporting period, the average population density was much higher than the long-term average of 0.69 fpf for the Carmel River, likely due to the recent wet winters, improving habitat conditions in the lower river, and higher than expected numbers of returning adults.

The variability of the juvenile steelhead population in the Carmel River Basin is directly related to the following factors:

Positive Factors:

- General improvements in streamflow patterns, due to favorable natural fluctuations, exemplified by relatively high base-flow conditions between 1995 and 2012 and the very wet conditions in 2017 and 2019;
- District and SWRCB rules to actively manage the rate and distribution of groundwater extractions and direct surface diversions within the basin, coupled with changes to Cal-Am's operations at LPD, the increased availability of ASR and Sand City desalinated water in the summer, and extensive conservation measures, all help provide increased streamflow;
- restoration and stabilization of the lower Carmel River's stream banks, providing improved riparian habitat (tree cover/shade along the stream, an increase in woody debris and the associated invertebrate food supply) while preventing erosion of silt/sand from filling gravel beds and pools;
- extensive juvenile steelhead rescues by the District over the last 30 years, now totaling 452,541 fish through 2019;
- rearing and releases of rescued fish from the SHSRF of 97,600 juveniles and smolts back into the river and lagoon over the past 23 years (16 years of operation), at sizes generally

larger than the river-reared fish, which in theory should enhance their ocean survival.

Negative Factors:

- variable lagoon conditions, including highly variable water surface elevation changes caused by mechanical breaching, chronic poor water quality (especially in the fall), and predation by birds and striped bass;
- barriers or seasonal impediments to juvenile and smolt emigration, such as intermittent periods of low flow below the Narrows during the normal spring emigration season;
- spring flow variability such as low-flow conditions that could dewater redds prematurely or high flows that could either deposit sediment over redds or completely wash them out;
- occasionally elevated fall temperature and hydrogen sulfide levels below LPD, and the recent large landslide into LPR that affects the outlet works;
- the potential for enhanced predation on smolts and YOY migrating through the sediment field above LPD; and
- invasive species: striped bass have recently (2015) started migrating up the river from the lagoon and are likely preying on juvenile steelhead. New Zealand Mud Snails (NZMS) were first discovered during BMI surveys at Red Rock (mid-valley) in 2016 and now comprise up to 28% (down from 62%) of the BMI in the lower river. NZMS out compete native invertebrates and are a poor food item themselves for steelhead.

District staff continues to provide technical expertise and scientific data to CAW engineers and environmental consultants, DWR/DSOD, CDFW, NMFS, U.S. Fish and Wildlife Service, and others involved in addressing the resource management issues associated with both LPD and the area influenced by the SCD Removal and Carmel River Reroute Project. District staff also continues to provide technical expertise and scientific data to California Department Parks and Recreation, Monterey County Water Resources Agency, Monterey County Public Works Department, California Coastal Commission, U. S. Army Corps of Engineers, Carmel Area Wastewater District, and other regulatory agencies and stakeholders involved in the management of the Carmel River, the Carmel River Lagoon and the barrier beach.

Riparian Habitat Mitigation

With the exception of the Rancho Cañada to Rancho San Carlos Road Bridge reach, the Carmel River streamside corridor has stabilized in nearly all reaches that were affected by a combination of increased groundwater extraction, extreme drought and flood events that occurred during the 1970s, 1980s and 1990s. Prior to the 2016-17 winter high flows, a complex channel had developed in the lower 16 miles of the river with improved steelhead spawning substrate, diverse habitat, and a richer riparian community. Areas with perennial or near perennial flow (upstream of Schulte Bridge) or a high groundwater table, such as downstream of Highway 1, experienced vigorous

natural recruitment in the channel bottom, which has helped to stabilize streambanks and diversify aquatic habitat. Areas that continue to be dewatered annually have less significant growth.

In areas with perennial flow, natural recruitment has led to vegetation encroachment that, in some areas, may constrict high flows and threaten bank stability. MPWMD continues to monitor these areas closely and to develop a management strategy to balance protection of native habitat with the need to reduce erosion potential. Environmental review of proposed projects and the process of securing permits is quite complex and requires an exhaustive review of potential impacts.

The Soberanes fire in the summer of 2016 combined with the removal of San Clemente Dam and high flows in the winter of 2016-17 proved to be a combination of events that significantly changed the river downstream of the former dam site. Quantities of silt, sand, and debris that had not been seen in the alluvial reach since high flows in 1998 were carried down from the fire-scarred upper watershed into the active channel. Past similar events during 1978-1983 and 1993-1998 contributed to substantial destabilization of streambanks in the lower 15.5 miles of the river; however, the 2016-17 event comes after significant reductions in annual diversions have been made and after long reaches of the river have been actively restored or passively recovered. Thus streambank instability was limited to the area downstream of Rancho San Carlos Road. Follow-up channel surveys by CSUMB indicate that the increased sediment load during the winter of 2017 were likely due to material being washed out from the Carmel River Reroute at the former San Clemente Dam site.

The recovery of streamside areas subjected to annual dewatering requires monitoring. Plant stress in the late summer and fall is evident in portions of the river that go dry. In these areas, streambanks can exhibit unstable characteristics during high flows, such as sudden bank collapse, because of the lack of healthy vegetation that would ordinarily provide stability. The drought that began with Water Year 2013 (beginning October 2012) and ended in Water Year 2016 is an ongoing concern because of the past history of channel erosion and bank instability after severe droughts in 1976-77 and 1987-1991. Impacts to streamside vegetation can manifest themselves for several years even after the end of a drought.

Based on annual cross-section work by CSUMB, several areas have experienced a filling in of pools with sand. Absent high flows like those that occurred in 2017, it is likely that the sand will be winnowed out and sent downstream over the next several years. When river flows drop in late spring or early summer of 2020, District staff will investigate the overall scour and deposition of the streambed and report on this in next year's mitigation report. Current results still show many of the pools are still filled with sand.

Restoration project areas sponsored by MPWMD since 1984 continue to mature and exhibit more features of relatively undisturbed reaches, such as plant diversity and vigor, complex floodplain topography, and a variety of in-channel features such as large wood, extensive vegetative cover, pools, riffles, and cut banks.

As cited in previous reports, the most significant trends continue to include the following:

- increased encroachment of vegetation into the active channel bottom that can induce debris

- blockage, bank erosion and increased risks during floods,
- effects to areas with groundwater extraction downstream of Schulte Road,
- channel changes and erosion due to new supply of sediment from upstream associated with high flows, San Clemente Dam removal, and the Soberanes Fire in Water Year 2017,
- healthy avian species diversity, and
- maturing of previous restoration projects.

Carmel River Erosion Protection and Restoration

With the exception of the channel area between the Via Mallorca Road bridge and the Rancho San Carlos Road bridge, streambanks in the main stem appear to be relatively stable during average water years with “frequent flow” storm events (flows with a return magnitude of less than five years). The program begun by MPWMD in 1984 (and later subsumed into the Mitigation Program) to stabilize streambanks appears to be achieving the goals that were initially set out, i.e., to reduce bank erosion during high flow events up to a 10-year return flow, restore vegetation along the streamside, and improve fisheries habitat.

Consistent with previous reports, it is likely that the following trends will continue:

- Local, State and Federal agencies consider the Carmel River watershed to be a high priority area for restoration, as evidenced by the interest in addressing water supply issues, the removal of San Clemente Dam, proposed projects in the lower Carmel River, and continued oversight with the management of threatened species. Stringent avoidance and mitigation requirements will continue to be placed on activities that could have negative impacts on sensitive aquatic species or their habitats.
- Activities that interrupt or curtail natural stream functions, such as lining streambanks with riprap, have come under increasing scrutiny and now require significant mitigation offsets. Approximately 35% to 40% of the streambanks downstream of Carmel Valley Village have been altered or hardened since the late 1950s. Activities that increase the amount of habitat or restore natural stream functions are more likely to be approved or funded through State and Federal grant programs.
- Additional work to add instream features (such as large logs for steelhead refuge or backwater channel areas for frogs) can restore and diversify aquatic habitat.
- Major restoration projects completed between 1987 and 1999 have had extensive and successful work to diversify plantings. However, maintenance of irrigation systems is ongoing and requires extensive work in water years classified as below normal, dry and critically dry.
- The channel will change due to a new supply of sediment coming from upstream of the old San Clemente Dam and additional sources of sediment associated with the Soberanes Fire of 2016.

Vegetation Restoration and Irrigation

To the maximum extent possible, MPWMD-sponsored river restoration projects incorporate a functional floodplain that is intended to be inundated in relatively frequent storm events (those expected every 1-2 years). For example, low benches at the Red Rock and All Saints Projects have served as natural recruitment areas and are currently being colonized by black cottonwoods,

sycamores, and willows. In addition, willow and cottonwood pole plantings in these areas were installed with a backhoe, which allows them to tap into the water table. These techniques have been successful and have reduced the need for supplemental irrigation.

Channel Vegetation Management

Another notable trend relating to the District's vegetation management program was the widening of the channel after floods in 1995 and 1998. With relatively normal years following these floods, the channel has narrowed as vegetation recruits on the channel bottom and gravel bars. Current Federal regulations such as the Endangered Species Act (ESA) "Section 4(d)" rules promulgated by NOAA Fisheries to protect steelhead significantly restrict vegetation management activities. Because of these restrictions, the District can carry out activities only on the most critical channel restrictions and erosion hazards in the lower 15 miles of the river. In the absence of high winter flows capable of scouring vegetation out of the channel bottom, encroaching vegetation may significantly restrict the channel. As vegetation in the river channel matures in the channel bottom, more conflicts are likely to arise between preserving habitat and reducing the potential for property damage during high flows. MPWMD will continue to balance the need to treat erosion hazards in the river yet maintain features that contribute to aquatic habitat quality.

Permits for Channel Restoration and Vegetation Management

In 2018, MPWMD renewed its long-term permits with the U.S. Army Corps of Engineers and the California Regional Water Quality Control Board for routine maintenance and restoration work. In 2014, the District also renewed a long-term Routine Maintenance Agreement (RMA) with the California Department of Fish and Wildlife to conduct regular maintenance and restoration activities in the Carmel River.

Monitoring Program

Vegetative moisture stress fluctuates depending on the rainfall, proximate stream flow, depth to groundwater, and average daily temperatures, and tends to be much lower in above-normal rainfall years. Typical trends for a single season start with little to no vegetative moisture stress in the spring, when the soil is moist and the river is flowing. As the river begins to dry up in lower Carmel Valley (normally around June) and temperatures begin to increase, an overall increase in vegetative moisture stress occurs. For much of the riparian corridor in the lower seven miles of the Carmel River, this stress has been mitigated by supplemental irrigation, thereby preventing the die off of large areas of riparian habitat. However, many recruiting trees experience high levels of stress or mortality in areas difficult to irrigate. Riparian vegetation exposed to rapid or substantial lowering of groundwater levels (i.e., below the root zones of the plants) will continue to require monitoring and irrigation during the dry season.

With respect to riparian songbird diversity, populations dropped after major floods in 1995 and 1998 because of the loss of streamside habitat. Since 1998, species diversity recovered and now fluctuates depending on habitat conditions. Values from 2018 avian point count surveys indicate that the District's mitigation program is preserving and improving riparian habitat.

Strategies for the future

A comprehensive long-term solution to overall environmental degradation requires a significant increase in dry-season water flows in the lower river, a reversal of the incision process, and reestablishment of a natural meander pattern. Of these, MPWMD has made progress on increasing summer low flows and groundwater levels by aggressively pursuing a water conservation program, implementing the first and second phases of the Seaside Groundwater Basin Aquifer Storage and Recovery Project, and recommending an increase in summer releases from Los Padres Reservoir.

Reversal, or at least a slowing, of channel incision may be possible if the supply of sediment is brought into better balance with the sediment transport forces. Additional sediment from the tributary watersheds between San Clemente Dam and Los Padres Dam will pass into the lower river in the foreseeable future now that San Clemente Dam has been removed. District staff are already seeing signs of additional sediment in the Carmel River below Esquiline Road Bridge associated with high flows in Water Year 2017.

Over the long term, an increase in sediment supply could help reduce streambank instability and erosion threats to public and private infrastructure. However, reestablishing a natural supply of sediment and restoring the natural river meander pattern through the lower 15.5 miles of the Carmel Valley presents significant political, environmental, and fiscal challenges, and is not currently being considered as part of the Mitigation Program.

Integrated Regional Water Management (IRWM) Grant Program

The IRWM program promoted by the California Department of Water Resources (DWR) encourages planning and management of water resources on a regional scale and promotes projects that incorporate multiple objectives and strategies. At a minimum, a region is defined as a contiguous geographic area encompassing the service areas of multiple local agencies; is defined to maximize the opportunities to integrate water management activities; and effectively integrates water management programs and projects within a hydrologic region defined in the California Water Plan, the Regional Water Quality Control Board region, or subdivision or other region specifically identified by DWR. Regional Water Management Groups (RWMGs), open to all stakeholders within a region, are formed to bring stakeholders together and encourage cooperation among agencies in developing mutually beneficial solutions to resource problems. The Carmel River watershed is located in the Monterey Peninsula, Carmel Bay and Southern Monterey Bay (Monterey Peninsula) RWMG.

This fiscal year, 10 additional stakeholders requested membership in the Monterey Peninsula RWMG, raising the total membership to 17. MPWMD updated the Monterey Peninsula RWMG Memorandum of Understanding (MOU) to include the additional stakeholders. In January of 2019 MPWMD adopted the updated MOU.

IRWM grant funding is available for projects that are included and implemented in an adopted IRWM Plan, consistent with Water Code Section 10530 et seq. Funding from IRWM grant programs and other programs requiring an adopted IRWM Plan provide incentive to undertake a set of projects that would continue to improve the Carmel River environment and engage a larger

number of organizations in helping to develop and implement a comprehensive solution to water resource problems in the planning region. The IRWM Plan combines strategies to improve and manage potable water supply, water conservation, stormwater runoff, floodwaters, wastewater, water recycling, habitat for wildlife, and public recreation.

On November 4, 2014, California voters approved Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014. Proposition 1 authorized \$510 million in IRWM funding to be administered in 3 separate programs: Planning, Disadvantaged Community Involvement, and Implementation. The Monterey Peninsula RWMG is expecting to apply for approximately \$4.3 million Proposition 1 IRWM funds over several years.

In Fiscal Year 2017-2018, \$252,693 was awarded to the Monterey Peninsula RWMG as a part of the Proposition 1 Disadvantaged Community Involvement grant program. The projects were initiated in this fiscal year. Projects funded by the grant award are:

1. A High Efficiency Appliance Retrofit Targets project managed by MPWMD to facilitate Disadvantaged Community participation in water conservation, community outreach and education, and further reduction in Carmel River diversions.
2. A storm drain installation project managed by the City of Monterey to reduce flooding and provide outreach in a disadvantaged community, reduce pollutants from stormwater discharge, and provide future source water for recycling which would reduce Carmel River diversions.
3. A Needs Assessment project managed by MPWMD to understand Disadvantaged Community water and wastewater needs.

In April of 2019, DWR issued the Round 1 IRWM Implementation Grant Proposal Solicitation Package and 2019 Integrated Regional Water Management Grant Program Guidelines (Guidelines) to disburse Proposition 1 Implementation grant funds. The Guidelines included IRWM Plan updates. In January 2019 MPWMD funded the 2019 Monterey Peninsula, Carmel Bay and Southern Monterey Bay Integrated Regional Water Management Plan Update to meet the requirements of the Guidelines for a grant application.

The Monterey Peninsula region will be applying for approximately \$2 million in Implementation grant funds. A call for projects was made and approved by the Monterey Peninsula RWMG in April 2019. Four projects will be included in the grant application, which is due by the end of calendar year 2019. Three of the projects provide stormwater protection in Disadvantaged Communities while recharging groundwater; the fourth project distributes recycled water for irrigation in the City of Seaside.

The IRWM website will be transitioned to a supportable platform on the MPWMD web server. More information about the IRWM Plan and the group of stakeholders in the planning region can be found at the following web site:

<https://www.mpwmd.net/resources/irwm-program/>

Carmel River Lagoon Habitat

The District continues to support and encourage the ongoing habitat restoration efforts in the wetlands and riparian areas surrounding the Carmel River Lagoon. These efforts are consistent with goals that were identified in the Carmel River Lagoon Enhancement Plan, which was partially funded by the District. The District continues to work with various agencies and landowners to implement ongoing restoration of the Odello West property and future restoration of the Odello East property across the highway.

The District expanded its long-term monitoring around the lagoon in 1995 in an attempt to determine if the reduction in freshwater flows due to groundwater pumping upstream might change the size or ecological character of the wetlands. Demonstrable changes have not been identified. Because of the complexity of the estuarine system, a variety of parameters are monitored, including vegetative cover in transects and quadrats, water conductivity, and hydrology. It is notable that due to the number of factors affecting this system, it would be premature to attribute any observed changes solely to groundwater pumping. The following illustrates the Water Year (October 1 – September 30) classifications since 1995 in terms of total annual runoff.

Classification	Number of Years	Water Year
Extremely Wet	4	1995, 1998, 2017, 2019
Wet	2	2005, 2006
Above Normal	5	1996, 1997, 2000, 2010, 2011
Normal	5	1999, 2001, 2003, 2008, 2009
Below Normal	3	2004, 2016, 2018
Dry	4	2002, 2012, 2013, 2015
Critically Dry	2	2007, 2014

Thus, the hydrology of the watershed has been at least normal or better 64% of the time during that 25 year period. However, monitoring in 2014 occurred during a Critically Dry Water Year that followed two consecutive Dry Water Years, and 2015 was the first time a fourth year of drought was ever monitored. Other natural factors that affect the wetlands include introduction of salt water into the system as waves overtop the sandbar in autumn and winter, tidal fluctuations, and long-term global climatic change. When the District initiated the long-term lagoon monitoring component of the Mitigation Program, it was with the understanding that it would be necessary to gather data for an extended period in order to draw conclusions about well production drawdown effects on wetland dynamics. It is recommended that the current vegetation, conductivity, topographical and wildlife monitoring be continued in order to provide a robust data set for continued analysis of potential changes around the lagoon. In the past, the District budgeted to replace the CDPR lagoon water-quality profiler that has been out of service for five years, with a stock one from a major vendor. However, since the Carmel Area Wastewater District (CAWD) plans to replace and underground their outlet pipe very soon, we delayed spending significant funds on what would be just a temporary installation at this time. The District intends to re-budget in RY 2020-2021 for the placement of a vertical profiler, once the new CAWD pipe is in place, and then restore continuous data collection during a future RY.

Lagoon bathymetric cross sectional surveys, initially conducted in 1988, have been completed annually during the dry season since 1994. These data are useful in assessing changes in the sand supply within the main body of the lagoon and are necessary to answer questions concerning whether or not the lagoon is filling up with sand, thus losing valuable habitat. As indicated in the survey plots, the sandy bed of the lagoon can vary significantly from year to year. Substrate elevations at the cross sections remained relatively stable during WY 2019 compared to September 2018 conditions. Since 1994, an apparent trend of overall loss in sand volume appears to be emerging, as south bank substrate elevations are close to the historic low. The sand loss or down-cutting observed at the cross sections is consistent with the pervasive down-cutting that has occurred along the thalweg of the Lower Carmel River (LCR) upstream of the Highway 1 Bridge (HWY 1) for several miles, a trend believed to have begun in WY 2006. In the recent “Critically Dry” years of WY 2007 and 2014 and “Dry” years of WY 2012 and 2013, no significant changes were documented compared to the respective prior years. The “Extremely Wet” WY 2019 resulted in no significant changes at the cross sections even though 155,000 AF of runoff (measured at the HWY1 gage) passed through the lagoon. This is inconsistent with WY 2017, the last “Extremely Wet” year when significant scour was observed at the cross sections. Although data suggests that substrate elevations at the cross sections generally remain stable in low-flow years, data are now somewhat inconclusive regarding the effects of high flow years on lagoon sand supply.

Program Costs

Mitigation Program costs for FY 2018-2019 totaled approximately \$4.63 million including direct personnel expenses, operating costs, project expenditures, capital equipment, and fixed asset purchases. The annual cost of mitigation efforts varies because several mitigation measures are weather dependent. Expenditures in FY 2018-2019 were \$2.28 million higher than the prior fiscal year due to increases in Mitigation Program costs related to San Carlos Restoration Project and the Sleepy Hollow Intake project. However, the overall costs have remained constant (average of \$2.69 million per year) for the last five years. In the past, expenditures had trended upward due to expenditures for the Aquifer Storage Recovery (ASR) Project. ASR Project costs are no longer captured under Mitigation Program Costs. FY 2016-2017 expenditures were \$2.17 million; and FY 2017-2018 expenditures were \$2.35 million.

During FY 2018-2019, revenues totaled \$5.80 million including user fees, tax revenues, grant receipts, investment income and miscellaneous revenues. The Mitigation Program Fund Balance as of June 30, 2019 was \$4.60 million.

Table I-1

SUMMARY OF COMPONENTS OF MPWMD MITIGATION PROGRAM
July 1, 2018 - June 30, 2019

WATER MANAGEMENT

- Monitor Water Resources
- Manage Water Production
- Manage Water Demand
- Monitor Water Usage
- Augment Water Supply
- Allocation of New Supply
- Determine Drought Reserve

STEELHEAD FISHERY

- Capture/Transport Emigrating Smolts in Spring
 - Smolt rescues
 - Pit tagging study
- Prevent Stranding of Fall/Winter Juvenile Migrants
 - Juvenile rescues
- Rescue Juveniles Downstream of Robles del Rio in Summer
- Operate Sleepy Hollow holding/rearing facility
- Monitoring Activities for Mitigation Plan
 - Juvenile population surveys
- Other Activities not required by Mitigation Plan
 - Spawning habitat restoration
 - Modify critical riffles

RIPARIAN VEGETATION AND WILDLIFE

- Conservation and Water Distribution Management
- Oversee Riparian Corridor Management Plan
- Implement Riparian Corridor Management Program
 - Cal-Am well irrigation (4 wells)
 - Channel clearing
 - Vegetation monitoring
 - Track and pursue violations
 - River Care Guide booklet
 - CRMP Erosion Protection Program

LAGOON VEGETATION AND WILDLIFE

- Assist with Lagoon Enhancement Plan Investigations (See Note 1)
- Expand Long-Term Lagoon Monitoring Program
 - Water quality/quantity
 - Vegetation/soils
- Identify Alternatives to Maintain Lagoon Volume

AESTHETICS

- Restore Riparian Vegetation (see above)

Note 1: Mitigation measures are dependent on implementation of the Lagoon Enhancement Plan by the California Department of Parks and Recreation, the land owner and CEQA lead agency. Portions of the Enhancement Plan have been implemented by CalTrans as part of a “mitigation banking” project.

Table I-2
Summary of MPWMD Mitigation Program Accomplishments: 2018-2019 Report

MITIGATION ACTION	MAJOR ACCOMPLISHMENTS
Monitor Water Resources	Regularly tracked precipitation, streamflow, surface and groundwater levels and quality, and lagoon characteristics between Los Padres Dam and the Carmel River Lagoon, using real-time methods at numerous data collection stations. Maintained extensive monitoring network, and continuous streamflow recorders below the former San Clemente Dam and other sites.
Manage Water Production	Developed and implemented multi-agency Memorandum of Agreement and quarterly water supply strategies based on normal-year conditions; worked cooperatively with resource agencies implementing the federal Endangered Species Act. Implemented ordinances that regulate wells and water distribution systems.
Manage Water Demand	A total of about 1,879 inspections were conducted in 2019. An estimated 8.560 Acre-Feet (“AF”) of water were saved by new retrofits verified this year in these two categories. From January 1, 2019, through December 31, 2019, a total of 1,084 applications for rebates were received, 839 applications were approved with the use of the rebate refund, as described in Section VIII. As of June 30, 2019, a total of 84.325AF of water remained available in the areas served by CAW, as described in Section IX. This includes water from pre- and post-Paralta Allocations and water added to a Jurisdiction’s Allocation from Water Use Credit transfers and public retrofits.
Monitor Water Usage	Complied with SWRCB Order 95-10 for Water Year 2019.
Augment Water Supply	Long-term efforts to augment supply included: (1) Continued participation in meetings about Monterey Peninsula Water Supply Project (MPWSP) construction, operations, financing, management, and oversight; (2) Helped fund environmental work to qualify Pure Water Monterey Expansion as a potential back-up; (3) Operated Aquifer Storage and Recovery (ASR) Phase 1 and 2 projects in WY 2019; (4) Held regular coordination meetings with Cal-Am regarding planned infrastructure upgrades to deliver water supply to the ASR project wells at full capacity; (5) Provided project management and technical support to Monterey One Water for the Pure Water

MITIGATION ACTION	MAJOR ACCOMPLISHMENTS
	<p>Monterey Project; (6) Participated in CPUC hearing process on Cal-Am related rate requests.</p> <p>Other ongoing activities included: (1) Served as member of both the Seaside Basin Watermaster Board and as the Technical Advisory Committee; (2) Participation in a technical role regarding alternatives for Los Padres Dam and associated sediment management.</p>
Allocate New Supply	Remained within Water Allocation Program limits.
Determine Drought Reserve	Rationing was not required due to maintenance of adequate storage reserve.
Steelhead Fishery Program	<p>The surface flow of the Carmel River dropped below 10 cfs at the Highway 1 Bridge on July 26, 2019. In response to this decline District staff began monitoring daily river conditions, but the flows never dropped below 2.5 cfs and no mainstem rescues were needed in 2019. However, a total of 31 rescue days were conducted on Potrero, Robinson Canyon, Garzas, Hitchcock, and Cachagua Creeks. Rescue operations occurred in early May through late-August, yielding a total of 15,013 steelhead, including: 14,933 young-of-the-year (YOY), 23 yearlings (1+), and 57 mortalities (0.38%). Staff tagged 266 fish of size with PIT tags before release. Fish rescued out of Potrero (1), Robinson (943) and Cachagua Creeks (9,754) were transported and released upstream of their confluence in perennial waters of the mainstem, while fish rescued out of Garzas (974) and Hitchcock Creeks (3,341) were transported and released close to their confluence with the Carmel River. Since 1989, District staff has rescued 452,541 steelhead from drying reaches of the Carmel River watershed. Compared to previous rescue seasons, total rescued fish in the 2019 dry season was 103% of the 1989-2019 average of 14,598, as described in Section XVI.</p>
Riparian Habitat Program	<p>Continued revegetation efforts at exposed banks with little or no vegetation located between Via Mallorca and Esquiline Roads;</p> <p>Contracted to collect channel profile data and limited cross section data from the Carmel River for use in maintaining a long-term record and comparing to the past and future data;</p> <p>Made public presentations showing MPWMD-sponsored restoration work over the past 28 years;</p> <p>Continued long-term monitoring of physical and biological processes along the river in order to evaluate the District's river management activities;</p> <p>Continued the annual inspections of the Carmel River from the</p>

MITIGATION ACTION	MAJOR ACCOMPLISHMENTS
	upstream end of the lagoon to Camp Steffani; Walked the entire river to observe and record erosion damage, conditions that could cause erosion, riparian ordinance infractions, and the overall condition of the riparian corridor; Continued enforcement actions to address serious violations of District riparian ordinances; Carried out vegetation management activities; Operated under Routine Maintenance Agreement with CDFW for MPWMD vegetation maintenance activities.
Lagoon Habitat Program	The District continues to support and encourage the ongoing habitat restoration efforts in the wetlands and riparian areas surrounding the Carmel River Lagoon. These efforts are consistent with goals that were identified in the Carmel River Lagoon Enhancement Plan, which was partially funded by the District. The District continues to work with various agencies and landowners to implement ongoing restoration of the Odello West property and future restoration of the Odello East property across the highway. The District also surveyed and analyzed bathymetric transects, participated in interagency meetings regarding management of lagoon in winter storm events (see also steelhead efforts that benefit lagoon) and monitored lagoon stage.
Aesthetic Measures	See Riparian Habitat Program measures in Section XVII.

ITEM: CONSENT CALENDAR**5. CONSIDER ADOPTION OF TREASURER’S REPORT FOR FEBRUARY 2020**

Meeting Date:	April 20, 2020	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 April 14, 2020 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 5-A comprises the Treasurer’s Report for February 2020. Exhibit 5-B and Exhibit 5-C are listings of check disbursements for the period February 1-29, 2020. Check Nos. 36667 through 36808, the direct deposits of employee’s paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of \$912,449.78. There were no conservation rebates for this period. Exhibit 5-D reflects the unaudited version of the financial statements for the month ending February 29, 2020.

Please take note that this version of the financial report is newly created to help better understand the District’s financial transactions in a more simplified format while significantly reducing the number of pages. The previous version of the report totaled 14 pages while this new version comprises the same information in just 2 pages.

RECOMMENDATION: District staff recommends adoption of the February 2020 Treasurer’s Report and financial statements, and ratification of the disbursements made during the month.

EXHIBITS**5-A** Treasurer’s Report**5-B** Listing of Cash Disbursements-Regular**5-C** Listing of Cash Disbursements-Payroll**5-D** Financial Statements

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

<u>Description</u>							PB
	<u>Checking</u>	<u>MPWMD Money Market</u>	<u>L.A.I.F.</u>	<u>Wells Fargo Investments</u>	<u>Multi-Bank Securities</u>	<u>MPWMD Total</u>	<u>Reclamation Money Market</u>
Beginning Balance	\$20,305.83	\$4,084,974.02	\$10,150,944.72	\$1,500,583.90	\$2,319,333.89	\$18,076,142.36	\$493,042.55
Fee Deposits		1,016,219.06				1,016,219.06	689,419.08
MoCo Tax & WS Chg Installment Pymt						0.00	
Interest Received				7,028.51	2,487.52	9,516.03	
Transfer - Money Market/LAIF		(3,500,000.00)	3,500,000.00			0.00	
Transfer - Money Market/Checking	1,000,000.00	(1,000,000.00)				0.00	
Transfer - Money Market/Multi-Bank						0.00	
Transfer - Money Market/Wells Fargo		500,000.00		(500,000.00)		0.00	
Transfer to CAWD						0.00	(480,000.00)
Voided Checks						0.00	
Bank Corrections/Reversals/Errors		450.00				450.00	
Bank Charges/Other	(214.06)					(214.06)	
Credit Card Fees	(523.93)	(135.00)				(658.93)	
Returned Deposits	-					0.00	
Payroll Tax/Benefit Deposits	(94,201.28)					(94,201.28)	
Payroll Checks/Direct Deposits	(127,773.97)					(127,773.97)	
General Checks	(689,736.54)					(689,736.54)	
Bank Draft Payments	-					0.00	
Ending Balance	\$107,856.05	\$1,101,508.08	\$13,650,944.72	\$1,007,612.41	\$2,321,821.41	\$18,189,742.67	\$702,461.63

Check Report

By Check Number

Date Range: 02/01/2020 - 02/29/2020



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	02/06/2020	Regular	0.00	395.00	36667
00010	Access Monterey Peninsula	02/06/2020	Regular	0.00	6,625.00	36668
01188	Alhambra	02/06/2020	Regular	0.00	145.22	36669
00760	Andy Bell	02/06/2020	Regular	0.00	684.00	36670
00252	Cal-Am Water	02/06/2020	Regular	0.00	78.67	36671
00252	Cal-Am Water	02/06/2020	Regular	0.00	129.50	36672
04721	Carlons Fire Extinguisher Svc., Inc.	02/06/2020	Regular	0.00	718.65	36673
12601	Carmel Valley Ace Hardware	02/06/2020	Regular	0.00	35.96	36674
00024	Central Coast Exterminator	02/06/2020	Regular	0.00	104.00	36675
00230	Cisco Systems, Inc.	02/06/2020	Regular	0.00	49.00	36676
19448	David Frank Stone	02/06/2020	Regular	0.00	36.92	36677
00046	De Lay & Laredo	02/06/2020	Regular	0.00	18,275.00	36678
18734	DeVeera Inc.	02/06/2020	Regular	0.00	6,808.00	36679
18225	DUDEK	02/06/2020	Regular	0.00	9,408.75	36680
00267	Employment Development Dept.	02/06/2020	Regular	0.00	960.00	36681
00235	Green Rubber- Kennedy AG	02/06/2020	Regular	0.00	491.95	36682
00993	Harris Court Business Park	02/06/2020	Regular	0.00	721.26	36683
00986	Henrietta Stern	02/06/2020	Regular	0.00	1,255.54	36684
00277	Home Depot Credit Services	02/06/2020	Regular	0.00	25.17	36685
00768	ICMA	02/06/2020	Regular	0.00	2,270.09	36686
11223	In-Situ	02/06/2020	Regular	0.00	260.82	36687
03857	Joe Oliver	02/06/2020	Regular	0.00	1,255.54	36688
06999	KBA Docusys	02/06/2020	Regular	0.00	91.91	36689
05830	Larry Hampson	02/06/2020	Regular	0.00	2,036.00	36690
04707	Latitude Geographics	02/06/2020	Regular	0.00	5,150.00	36691
05829	Mark Bekker	02/06/2020	Regular	0.00	1,018.00	36692
01012	Mark Dudley	02/06/2020	Regular	0.00	540.00	36693
00242	MBAS	02/06/2020	Regular	0.00	1,650.00	36694
00118	Monterey Bay Carpet & Janitorial Svc	02/06/2020	Regular	0.00	1,260.00	36695
13396	Navia Benefit Solutions, Inc.	02/06/2020	Regular	0.00	1,564.42	36696
05053	Pacific Smog	02/06/2020	Regular	0.00	163.00	36697
00036	Parham Living Trust	02/06/2020	Regular	0.00	850.00	36698
00154	Peninsula Messenger Service	02/06/2020	Regular	0.00	509.00	36699
00282	PG&E	02/06/2020	Regular	0.00	13.12	36700
00282	PG&E	02/06/2020	Regular	0.00	5,293.85	36701
00282	PG&E	02/06/2020	Regular	0.00	1,803.98	36702
00282	PG&E	02/06/2020	Regular	0.00	128.10	36703
07627	Purchase Power	02/06/2020	Regular	0.00	500.00	36704
00262	Pure H2O	02/06/2020	Regular	0.00	65.24	36705
13394	Regional Government Services	02/06/2020	Regular	0.00	2,086.50	36706
00251	Rick Dickhaut	02/06/2020	Regular	0.00	531.50	36707
00176	Sentry Alarm Systems	02/06/2020	Regular	0.00	309.25	36708
02838	Solinst Canada Ltd	02/06/2020	Regular	0.00	612.67	36709
19098	Specialty Construction, Inc.	02/06/2020	Regular	0.00	237,226.40	36710
09989	Star Sanitation Services	02/06/2020	Regular	0.00	90.21	36711
17964	SWRCB	02/06/2020	Regular	0.00	1,638.00	36712
17964	SWRCB	02/06/2020	Regular	0.00	205.00	36713
09425	The Ferguson Group LLC	02/06/2020	Regular	0.00	8,097.56	36714
00203	ThyssenKrup Elevator	02/06/2020	Regular	0.00	643.71	36715
00225	Trowbridge Enterprises Inc.	02/06/2020	Regular	0.00	112.73	36716
04708	Tyler Business Forms	02/06/2020	Regular	0.00	44.62	36717
18737	U.S. Bank Equipment Finance	02/06/2020	Regular	0.00	867.83	36718
00207	Universal Staffing Inc.	02/06/2020	Regular	0.00	1,532.16	36719

EXHIBIT 5-B

66

Check Report**Date Range: 02/01/2020 - 02/29/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
07769	University Corporation at Ryan Ranch	02/06/2020	Regular	0.00	8,146.10	36720
00271	UPEC, Local 792	02/06/2020	Regular	0.00	997.50	36721
00221	Verizon Wireless	02/06/2020	Regular	0.00	902.21	36722
18163	Wex Bank	02/06/2020	Regular	0.00	260.32	36723
08105	Yolanda Munoz	02/06/2020	Regular	0.00	540.00	36724
00763	ACWA-JPIA	02/14/2020	Regular	0.00	358.32	36725
00767	AFLAC	02/14/2020	Regular	0.00	907.16	36726
12655	Graphicsmiths	02/14/2020	Regular	0.00	49.20	36727
00768	ICMA	02/14/2020	Regular	0.00	2,420.09	36728
04717	Inder Osahan	02/14/2020	Regular	0.00	1,255.54	36729
00094	John Arriaga	02/14/2020	Regular	0.00	2,500.00	36730
00222	M.J. Murphy	02/14/2020	Regular	0.00	53.46	36731
00242	MBAS	02/14/2020	Regular	0.00	3,885.00	36732
18325	Minuteman Press Monterey	02/14/2020	Regular	0.00	153.34	36733
00274	Monterey One Water	02/14/2020	Regular	0.00	163.21	36734
13396	Navia Benefit Solutions, Inc.	02/14/2020	Regular	0.00	808.32	36735
00036	Parham Living Trust	02/14/2020	Regular	0.00	850.00	36736
13430	Premiere Global Services	02/14/2020	Regular	0.00	103.59	36737
18544	Psomas	02/14/2020	Regular	0.00	9,202.00	36738
00159	Pueblo Water Resources, Inc.	02/14/2020	Regular	0.00	1,890.00	36739
13394	Regional Government Services	02/14/2020	Regular	0.00	2,365.00	36740
05831	Seaside Chamber of Commerce	02/14/2020	Regular	0.00	250.00	36741
04709	Sherron Forsgren	02/14/2020	Regular	0.00	869.02	36742
00258	TBC Communications & Media	02/14/2020	Regular	0.00	1,962.50	36743
04719	Telit Io T Platforms, LLC	02/14/2020	Regular	0.00	232.21	36744
09425	The Ferguson Group LLC	02/14/2020	Regular	0.00	8,000.00	36745
17965	The Maynard Group	02/14/2020	Regular	0.00	1,516.34	36746
00207	Universal Staffing Inc.	02/14/2020	Regular	0.00	851.20	36747
04348	Water Education Foundation	02/14/2020	Regular	0.00	750.00	36748
18163	Wex Bank	02/14/2020	Regular	0.00	1,112.17	36749
00252	Cal-Am Water	02/21/2020	Regular	0.00	153.29	36753
06268	Comcast	02/21/2020	Regular	0.00	195.20	36754
00192	Extra Space Storage	02/21/2020	Regular	0.00	885.00	36755
13431	Lynx Technologies, Inc	02/21/2020	Regular	0.00	675.00	36756
00222	M.J. Murphy	02/21/2020	Regular	0.00	2.91	36757
00259	Marina Coast Water District	02/21/2020	Regular	0.00	130.51	36758
00259	Marina Coast Water District	02/21/2020	Regular	0.00	292.20	36759
00154	Peninsula Messenger Service	02/21/2020	Regular	0.00	131.00	36760
00282	PG&E	02/21/2020	Regular	0.00	25.87	36761
00282	PG&E	02/21/2020	Regular	0.00	9.69	36762
00282	PG&E	02/21/2020	Regular	0.00	176.73	36763
06746	POSTMASTER	02/21/2020	Regular	0.00	240.00	36764
02838	Solinst Canada Ltd	02/21/2020	Regular	0.00	613.39	36765
00766	Standard Insurance Company	02/21/2020	Regular	0.00	1,419.65	36766
00258	TBC Communications & Media	02/21/2020	Regular	0.00	3,500.00	36767
04359	The Carmel Pine Cone	02/21/2020	Regular	0.00	726.00	36768
00269	U.S. Bank	02/21/2020	Regular	0.00	5,860.67	36769
	Void	02/21/2020	Regular	0.00	0.00	36770
11622	United States Geologic Survey	02/21/2020	Regular	0.00	19,637.50	36771
00207	Universal Staffing Inc.	02/21/2020	Regular	0.00	808.64	36772
00010	Access Monterey Peninsula	02/28/2020	Regular	0.00	875.00	36773
01188	Alhambra	02/28/2020	Regular	0.00	170.39	36774
04043	Campbell Scientific, Inc.	02/28/2020	Regular	0.00	3,080.15	36775
01001	CDW Government	02/28/2020	Regular	0.00	115.00	36776
00024	Central Coast Exterminator	02/28/2020	Regular	0.00	104.00	36777
00230	Cisco Systems, Inc.	02/28/2020	Regular	0.00	126.60	36778
19503	Collier Feed & Pet Supply	02/28/2020	Regular	0.00	83.03	36779
00281	CoreLogic Information Solutions, Inc.	02/28/2020	Regular	0.00	860.86	36780
04041	Cynthia Schmidlin	02/28/2020	Regular	0.00	868.03	36781
06001	Cypress Coast Ford	02/28/2020	Regular	0.00	288.71	36782
19448	David Frank Stone	02/28/2020	Regular	0.00	50.00	36783

EXHIBIT 5-B

67

Check Report**Date Range: 02/01/2020 - 02/29/2020**

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
08928	Fastenal Company	02/28/2020	Regular	0.00	26.94	36784
00758	FedEx	02/28/2020	Regular	0.00	27.06	36785
00083	Hayashi & Wayland Accountancy Corp.	02/28/2020	Regular	0.00	12,500.00	36786
00277	Home Depot Credit Services	02/28/2020	Regular	0.00	215.91	36787
00768	ICMA	02/28/2020	Regular	0.00	2,420.09	36788
06999	KBA Docusys	02/28/2020	Regular	0.00	1,447.23	36789
00222	M.J. Murphy	02/28/2020	Regular	0.00	447.72	36790
12595	Monterey County Assessor	02/28/2020	Regular	0.00	1,825.00	36791
13396	Navia Benefit Solutions, Inc.	02/28/2020	Regular	0.00	808.32	36792
05053	Pacific Smog	02/28/2020	Regular	0.00	35.75	36793
00036	Parham Living Trust	02/28/2020	Regular	0.00	650.00	36794
00755	Peninsula Welding Supply, Inc.	02/28/2020	Regular	0.00	64.50	36795
00282	PG&E	02/28/2020	Regular	0.00	9,444.81	36796
00282	PG&E	02/28/2020	Regular	0.00	9.86	36797
17968	Rutan & Tucker, LLP	02/28/2020	Regular	0.00	1,648.50	36798
01020	Sara Reyes - Petty Cash Custodian	02/28/2020	Regular	0.00	268.63	36799
00176	Sentry Alarm Systems	02/28/2020	Regular	0.00	5,359.34	36800
19098	Specialty Construction, Inc.	02/28/2020	Regular	0.00	226,371.70	36801
19504	Trevin Li	02/28/2020	Regular	0.00	50.00	36802
18737	U.S. Bank Equipment Finance	02/28/2020	Regular	0.00	867.83	36803
00207	Universal Staffing Inc.	02/28/2020	Regular	0.00	680.96	36804
00221	Verizon Wireless	02/28/2020	Regular	0.00	914.05	36805
00221	Verizon Wireless	02/28/2020	Regular	0.00	-914.05	36805
05378	Water Awareness Committee	02/28/2020	Regular	0.00	2,000.00	36806
18163	Wex Bank	02/28/2020	Regular	0.00	100.77	36807
06009	yourservicesolution.com	02/28/2020	Regular	0.00	138.00	36808
Total Regular:				0.00	690,236.54	

EXHIBIT 5-B

68

Check Report

Date Range: 02/01/2020 - 02/29/2020

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payment Type: Bank Draft						
00266	I.R.S.	02/14/2020	Bank Draft	0.00	11,510.69	DFT0001569
00266	I.R.S.	02/14/2020	Bank Draft	0.00	2,470.96	DFT0001570
00267	Employment Development Dept.	02/14/2020	Bank Draft	0.00	4,271.03	DFT0001571
00266	I.R.S.	02/14/2020	Bank Draft	0.00	363.18	DFT0001572
00769	Laborers Trust Fund of Northern CA	02/11/2020	Bank Draft	0.00	26,620.00	DFT0001573
00266	I.R.S.	02/21/2020	Bank Draft	0.00	22.33	DFT0001575
00266	I.R.S.	02/21/2020	Bank Draft	0.00	74.40	DFT0001576
00266	I.R.S.	02/21/2020	Bank Draft	0.00	318.06	DFT0001577
00266	I.R.S.	02/28/2020	Bank Draft	0.00	11,857.15	DFT0001580
00266	I.R.S.	02/28/2020	Bank Draft	0.00	2,514.30	DFT0001581
00267	Employment Development Dept.	02/28/2020	Bank Draft	0.00	4,436.65	DFT0001582
00266	I.R.S.	02/28/2020	Bank Draft	0.00	559.30	DFT0001583
00256	PERS Retirement	02/19/2020	Bank Draft	0.00	14,597.60	DFT0001594
00256	PERS Retirement	02/28/2020	Bank Draft	0.00	14,585.63	DFT0001596
Total Bank Draft:				0.00	94,201.28	

Bank Code APBNK		Summary		
Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	183	138	0.00	691,150.59
Manual Checks	0	0	0.00	0.00
Voided Checks	0	2	0.00	-914.05
Bank Drafts	22	14	0.00	94,201.28
EFT's	0	0	0.00	0.00
	205	154	0.00	784,437.82

EXHIBIT 5-B

69

Check Report

Date Range: 02/01/2020 - 02/29/2020

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: REBATES-02-Rebates: Use Only For Rebates						
Payment Type: Regular						
18140	JEAN DI MANTO	02/19/2020	Regular	0.00	-500.00	34493
Total Regular:				0.00	-500.00	

Bank Code REBATES-02 Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	0	0	0.00	0.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	-500.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	0	1	0.00	-500.00

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	183	138	0.00	691,150.59
Manual Checks	0	0	0.00	0.00
Voided Checks	0	3	0.00	-1,414.05
Bank Drafts	22	14	0.00	94,201.28
EFT's	0	0	0.00	0.00
	205	155	0.00	783,937.82

Fund Summary

Fund	Name	Period	Amount
99	POOL CASH FUND	2/2020	783,937.82
			783,937.82

EXHIBIT 5-C

Monterey Peninsula Water Management Dist

Payroll Bank Transaction Report

By Payment Number

Date: 2/1/2020 - 2/29/2020

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
4917	02/14/2020	Regular	1024	Stoldt, David J	0.00	5,743.36	5,743.36
4918	02/14/2020	Regular	1025	Tavani, Arlene M	0.00	2,171.75	2,171.75
4919	02/14/2020	Regular	1044	Bennett, Corryn D	0.00	2,072.19	2,072.19
4920	02/14/2020	Regular	1018	Prasad, Suresh	0.00	3,991.62	3,991.62
4921	02/14/2020	Regular	1019	Reyes, Sara C	0.00	1,833.47	1,833.47
4922	02/14/2020	Regular	1075	Valencia, Mariel C	0.00	1,541.89	1,541.89
4923	02/14/2020	Regular	1042	Hamilton, Maureen C.	0.00	3,376.16	3,376.16
4924	02/14/2020	Regular	6063	Hampson, Larry M	0.00	1,855.97	1,855.97
4925	02/14/2020	Regular	1009	James, Gregory W	0.00	3,190.47	3,190.47
4926	02/14/2020	Regular	1011	Lear, Jonathan P	0.00	3,949.46	3,949.46
4927	02/14/2020	Regular	1012	Lindberg, Thomas L	0.00	2,606.14	2,606.14
4928	02/14/2020	Regular	1043	Suwada, Joseph	0.00	1,962.50	1,962.50
4929	02/14/2020	Regular	1045	Atkins, Daniel N	0.00	1,918.45	1,918.45
4930	02/14/2020	Regular	1004	Chaney, Beverly M	0.00	2,622.66	2,622.66
4931	02/14/2020	Regular	1005	Christensen, Thomas T	0.00	3,441.53	3,441.53
4932	02/14/2020	Regular	1007	Hamilton, Cory R	0.00	2,307.62	2,307.62
4933	02/14/2020	Regular	6064	Li, Trevin	0.00	546.33	546.33
4934	02/14/2020	Regular	1048	Lumas, Eric M	0.00	1,767.11	1,767.11
4935	02/14/2020	Regular	1001	Bravo, Gabriela D	0.00	2,530.12	2,530.12
4936	02/14/2020	Regular	1076	Jakic, Tricia	0.00	2,289.72	2,289.72
4937	02/14/2020	Regular	1010	Kister, Stephanie L	0.00	2,622.62	2,622.62
4938	02/14/2020	Regular	1017	Locke, Stephanie L	0.00	3,569.65	3,569.65
4939	02/14/2020	Regular	1040	Smith, Kyle	0.00	2,232.23	2,232.23
4940	02/14/2020	Regular	1047	Timmer, Christopher	0.00	2,136.34	2,136.34
4941	02/21/2020	Regular	7015	Adams, Mary L	0.00	124.67	124.67
4942	02/21/2020	Regular	7014	Evans, Molly F	0.00	124.67	124.67
4943	02/21/2020	Regular	7017	Hoffmann, Gary D	0.00	374.02	374.02
4944	02/21/2020	Regular	7018	Riley, George T	0.00	498.69	498.69
4945	02/28/2020	Regular	1024	Stoldt, David J	0.00	5,743.36	5,743.36
4946	02/28/2020	Regular	1025	Tavani, Arlene M	0.00	2,171.74	2,171.74
4947	02/28/2020	Regular	1044	Bennett, Corryn D	0.00	2,072.19	2,072.19
4948	02/28/2020	Regular	1018	Prasad, Suresh	0.00	3,991.62	3,991.62
4949	02/28/2020	Regular	1019	Reyes, Sara C	0.00	1,833.47	1,833.47
4950	02/28/2020	Regular	1075	Valencia, Mariel C	0.00	1,541.89	1,541.89
4951	02/28/2020	Regular	1042	Hamilton, Maureen C.	0.00	3,376.16	3,376.16
4952	02/28/2020	Regular	6063	Hampson, Larry M	0.00	2,870.86	2,870.86
4953	02/28/2020	Regular	1009	James, Gregory W	0.00	3,190.47	3,190.47
4954	02/28/2020	Regular	1011	Lear, Jonathan P	0.00	3,949.46	3,949.46
4955	02/28/2020	Regular	1012	Lindberg, Thomas L	0.00	2,606.16	2,606.16
4956	02/28/2020	Regular	1043	Suwada, Joseph	0.00	1,962.50	1,962.50
4957	02/28/2020	Regular	1045	Atkins, Daniel N	0.00	1,918.44	1,918.44
4958	02/28/2020	Regular	1004	Chaney, Beverly M	0.00	2,622.64	2,622.64
4959	02/28/2020	Regular	1005	Christensen, Thomas T	0.00	3,441.53	3,441.53
4960	02/28/2020	Regular	1007	Hamilton, Cory R	0.00	2,307.62	2,307.62
4961	02/28/2020	Regular	6064	Li, Trevin	0.00	468.43	468.43
4962	02/28/2020	Regular	1048	Lumas, Eric M	0.00	1,767.11	1,767.11
4963	02/28/2020	Regular	1001	Bravo, Gabriela D	0.00	2,530.13	2,530.13
4964	02/28/2020	Regular	1076	Jakic, Tricia	0.00	2,221.56	2,221.56
4965	02/28/2020	Regular	1010	Kister, Stephanie L	0.00	2,622.62	2,622.62
4966	02/28/2020	Regular	1017	Locke, Stephanie L	0.00	3,569.65	3,569.65
4967	02/28/2020	Regular	1040	Smith, Kyle	0.00	2,232.23	2,232.23
4968	02/28/2020	Regular	1047	Timmer, Christopher	0.00	2,136.33	2,136.33
36750	02/21/2020	Regular	7007	Byrne, Jeanne	623.36	0.00	623.36
36751	02/21/2020	Regular	7009	Edwards, Alvin	476.36	0.00	476.36
36752	02/21/2020	Regular	7004	Potter, David L	124.67	0.00	124.67
Total:					1,224.39	126,549.58	127,773.97



MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
STATEMENT OF REVENUES AND EXPENDITURES
FOR THE MONTH FEBRUARY 29, 2020

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2019/2020 Year-to-Date Actual	FY 2019/2020 Annual Budget	Prior FY Year-to-Date Actual
REVENUES							
Property taxes	\$ -	\$ -	\$ -	\$ -	\$ 1,139,505	\$ 2,050,000	\$ 1,062,370
Water supply charge	-	-	-	-	1,951,463	3,400,000	1,930,663
User fees	247,552	95,623	56,973	400,149	3,046,259	5,000,000	2,779,820
Mitigation revenue	-	-	-	-	-	-	-
Capacity fees	-	-	20,955	20,955	419,969	400,000	477,619
Permit fees	-	17,408	-	17,408	146,112	231,000	176,671
Investment income	4,305	4,045	1,166	9,516	152,243	180,000	143,865
Miscellaneous	10	6	8	24	5,937	15,000	1,391
Sub-total district revenues	251,868	117,083	79,101	448,052	6,861,488	11,276,000	6,572,400
Project reimbursements	-	22,175	-	22,175	1,535,106	1,411,000	270,887
Legal fee reimbursements	-	900	-	900	1,350	16,000	2,700
Grants	-	-	-	-	260,078	468,000	693,990
Recording fees	-	4,620	-	4,620	25,360	6,000	2,348
Sub-total reimbursements	-	27,695	-	27,695	1,821,894	1,901,000	969,926
Reserves	-	-	-	-	-	4,862,350	-
Total revenues	251,868	144,778	79,101	475,747	8,683,382	18,039,350	7,542,325
EXPENDITURES							
Personnel:							
Salaries	64,641	40,115	76,487	181,243	1,712,162	2,754,600	1,695,726
Retirement	5,591	3,511	6,741	15,843	493,001	593,500	437,066
Unemployment Compensation	-	-	-	-	3,417	3,000	2,649
Auto Allowance	92	92	277	462	3,924	6,000	3,924
Deferred Compensation	143	143	429	714	6,071	9,400	6,010
Temporary Personnel	1,309	830	1,053	3,192	56,067	55,100	44,705
Workers Comp. Ins.	1,771	158	1,308	3,236	32,991	71,300	34,537
Employee Insurance	14,389	9,192	13,724	37,305	295,166	479,100	295,825
Medicare & FICA Taxes	1,367	732	1,351	3,450	32,427	49,100	28,822
Personnel Recruitment	99	-	-	99	649	3,000	549
Other benefits	41	26	33	101	1,277	1,500	836
Staff Development	50	-	-	50	8,536	28,500	9,855
Sub-total personnel costs	89,493	54,799	101,403	245,694	2,645,688	4,054,100	2,560,505
Services & Supplies:							
Board Member Comp	2,151	2,130	2,199	6,480	21,870	33,900	18,630
Board Expenses	1,505	954	1,211	3,670	7,064	5,100	2,818
Rent	1,310	230	1,240	2,780	16,440	23,200	14,345
Utilities	1,061	649	862	2,572	20,924	33,200	20,234
Telephone	1,276	716	732	2,725	26,555	50,700	45,528
Facility Maintenance	8,384	5,317	6,748	20,450	53,538	41,200	24,729
Bank Charges	303	192	(71)	423	12,180	3,900	3,501
Office Supplies	135	173	90	398	9,532	17,400	8,706
Courier Expense	162	102	130	394	4,235	6,100	2,448
Postage & Shipping	129	82	103	314	3,030	6,800	3,107
Equipment Lease	367	233	295	895	8,298	13,900	8,740
Equip. Repairs & Maintenance	593	376	478	1,447	5,824	7,000	3,361
Photocopy Expense	-	-	-	-	-	-	-
Printing/Duplicating/Binding	-	-	-	-	-	500	32
IT Supplies/Services	3,792	2,405	3,052	9,248	163,443	150,000	118,911
Operating Supplies	216	1,254	-	1,470	9,428	16,900	10,233
Legal Services	19,639	13,219	18,459	51,317	155,193	400,000	203,608
Professional Fees	12,447	7,893	10,019	30,359	226,687	360,600	220,092



MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
STATEMENT OF REVENUES AND EXPENDITURES
FOR THE MONTH FEBRUARY 29, 2020

	Mitigation	Conservation	Water Supply	Current Period Activity	FY 2019/2020 Year-to-Date Actual	FY 2019/2020 Annual Budget	Prior FY Year-to-Date Actual
Transportation	2,476	16	248	2,739	23,272	35,000	17,696
Travel	270	270	325	866	10,076	31,100	19,444
Meeting Expenses	570	434	483	1,488	8,696	6,100	2,642
Insurance	2,397	1,520	1,930	5,847	46,875	65,100	39,973
Legal Notices	-	-	-	-	-	3,100	-
Membership Dues	-	875	-	875	32,094	33,400	29,821
Public Outreach	130	130	130	390	3,006	2,500	1,671
Assessors Administration Fee	-	-	-	-	-	20,000	-
Miscellaneous	-	-	-	-	379	3,000	379
Sub-total services & supplies costs	59,314	39,172	48,662	147,148	868,639	1,369,700	820,647
Project expenditures	15,805	25,212	476,794	517,810	3,341,842	11,550,000	3,398,342
Fixed assets	2,120	1,344	1,706	5,171	30,653	213,900	293,616
Contingencies	-	-	-	-	-	70,000	-
Election costs	-	-	-	-	-	-	-
Debt service: Principal	-	-	-	-	-	-	-
Debt service: Interest	-	-	-	-	63,748	230,000	65,400
Flood drought reserve	-	-	-	-	-	-	-
Capital equipment reserve	-	-	-	-	-	49,500	-
General fund balance	-	-	-	-	-	302,150	-
Pension reserve	-	-	-	-	-	100,000	-
OPEB reserve	-	-	-	-	-	100,000	-
Other	-	-	-	-	-	-	-
Total expenditures	166,732	120,526	628,565	915,823	6,950,571	18,039,350	7,138,511
Excess (Deficiency) of revenues over expenditures	\$ 85,136	\$ 24,252	\$ (549,464)	\$ (440,076)	\$ 1,732,811	\$ -	\$ 403,814

ITEM: PUBLIC HEARING**8. CONSIDER FIRST READING OF ORDINANCE NO. 185 - AMENDING DISTRICT RULE 24 TO ALLOW SPECIAL FIXTURE UNIT ACCOUNTING FOR SECOND BATHROOMS IN EXISTING DWELLING UNITS AND TO PERMANENTLY ADOPT SUB-METERING REQUIREMENTS AND EXEMPTIONS FOR ACCESSORY DWELLING UNITS**

Meeting Date: April 20, 2020 **Budgeted:** N/A

From: David J. Stoldt, **Program/** N/A
 General Manager **Line Item No.:** N/A

Prepared By: Stephanie Locke **Cost Estimate:** N/A

General Counsel Review: Completed.

CEQA Compliance: An Initial Study and proposed Negative Declaration were circulated for comment. A Negative Declaration will be considered upon second reading.

SUMMARY: Rule 24-A-3, Second Bathroom Addition, was adopted to facilitate a full second Bathroom in a Single-Family Residence that has less than two full Bathrooms without requiring a debit to an Allocation, Entitlement, or credit. The protocol was predicated on the CEQA finding that the second Bathroom does not increase water use. As stated in the Ordinance No. 98 findings: “The addition of a second Bathroom to an existing residence is primarily for the purpose of convenience.” To prevent the second bathroom from being added in a new Accessory Dwelling Unit (ADU), the rule specifies that the second Bathroom must be added within an existing Dwelling Unit that was constructed by May 2001 (the date the protocol was adopted). The definition of “Dwelling Unit” has been amended to reflect the California Building Code definition.

The following is a summary of Draft Ordinance No. 185:

1. The ordinance expands the second Bathroom protocol to all Dwelling Units with less than two Bathrooms that existed when the protocol was adopted in May 2001. It is, however, limited to Sites that have less than four Dwelling Units to avoid apartments from using the protocol.
2. The second Bathroom must be added within an existing Dwelling Unit. The second Bathroom cannot be installed to create a new Accessory Dwelling Unit. If the protocol is used, that Dwelling Unit is restricted to no more than two Bathrooms unless the second Bathroom is permitted by a debit to an Allocation, Entitlement, or offset by a credit.
3. The rule currently restricts the Site (the entire property) to no more than two Bathrooms. The amendment would allow additional Bathrooms to be added elsewhere on the Site (e.g. in a new ADU) when water from a Jurisdiction’s Allocation or Entitlement (or on-Site credit) is available for those fixtures.
4. The ordinance permanently codifies two Rule 23 amendments made by Urgency Ordinance No. 184 in August 2019: (1) ADUs in existing structures are exempt from the requirement to

sub-meter; and (2) permanent sub-metering is allowed for one newly constructed detached ADU. Sub-meters are meters in the water line between the main house and the ADU, and they are not monitored by the water supplier. In-line metering is encouraged to provide accountability for individual water use.

California Environmental Quality Act (CEQA) Review

An Initial Study and proposed Negative Declaration were filed with the County and circulated among interested parties on March 16, 2020, for a period of 20 days. No comments were received.

Based on this Initial Study, there is an absence of substantial evidence from which a fair argument can be made that adoption of Ordinance No. 185 has measurable and meaningful actual or potential adverse environmental consequences. Staff will present a negative declaration regarding Ordinance No. 185 for approval prior to consideration of adoption.

RECOMMENDATION: The Water Demand Committee reviewed this item at its April 2, 2020, meeting and supports the ordinance. Staff recommends the Board approve the first reading of Ordinance No. 185.

EXHIBIT

8-A Ordinance 185

EXHIBIT 8-A
ORDINANCE NO. 185

**AN ORDINANCE OF THE
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT
AMENDING DISTRICT RULE 24 TO ALLOW SPECIAL FIXTURE UNIT
ACCOUNTING FOR SECOND BATHROOMS IN EXISTING DWELLING UNITS
AND TO AMEND RULE 23 TO PERMANENTLY ADOPT SUB-METERING
REQUIREMENTS AND EXEMPTIONS FOR ACCESSORY DWELLING UNITS**

FINDINGS

1. The Water Management District is charged under the Monterey Peninsula Water Management District Law with the integrated management of the ground and surface water resources in the Monterey Peninsula area.
2. The Water Management District has general and specific power to cause and implement water conservation activities as set forth in Sections 325 and 328 of the Monterey Peninsula Water Management District Law.
3. This ordinance refines the definition of Dwelling Unit to more closely match the California Building Code.
4. This ordinance expands the second bathroom eligibility to Dwelling Units that existed on May 2001, the date of adoption of the second Bathroom addition.
5. This ordinance allows a second Bathroom for convenience on Sites with less than four Dwelling Units. It does not allow second Bathrooms in apartment buildings.
6. This ordinance continues to recognize the findings adopted in Ordinance No. 98 and Ordinance No. 114 that the addition of a second Bathroom within a Dwelling Unit is for convenience and has a de minimis increase in water use.
7. By eliminating the limitation that a second Bathroom addition under Rule 24-A-3 is available only to Single Family Residences on Single Family Residential Sites (as defined by MPWMD Rule 11), this ordinance will facilitate new ADUs on Sites where the second Bathroom protocol has been used. Presently, the Site is restricted to no more than two Bathrooms. The second

Bathroom must be permitted by a debit to an Allocation or Entitlement before an ADU can be built.

8. The change to “Dwelling Unit” from “Single Family Dwelling Unit on a Single Family Residential Site” facilitates the ADU by allowing the second Bathroom in the original Dwelling Unit to remain without an additional permit requirement.
9. Removal or retrofitting of the any fixture added pursuant to the second Bathroom protocol does not result in a Water Credit.
10. The District requires separate Water Meters for each User to promote accountability for water use and to enforce water rationing when needed.
11. The Board has previously adopted by urgency ordinance Rule 23-A-1-i-(6) that allows permanent sub-metering of one ADU on a Site, rather than requiring a separate Water Meter by the Water Distribution System Operator. Because this Rule was adopted with urgency in Ordinance No. 184, it will expire after one year unless it is codified through a non-urgency ordinance adopted by the Board of Directors.
12. The requirement for sub-metering an ADU becomes a hardship when an ADU is created within an existing structure where plumbing is not designed to sub-meter hot and cold water. A hardship occurs when the ADU is contained within the existing space of a single-family residence or accessory structure, including, but not limited to, a studio, pool house, or other similar structure. (Finding from Urgency Ordinance No. 184)
13. Allowing a limited exemption from the sub-metering requirements for ADUs would not have an adverse effect on enforcement of water rationing. Rule 165 states: “Where two or more Households are served by a Master Meter, it shall be the responsibility of the Water Users to divide the Water Rations among the Water Users.” (Finding from Urgency Ordinance No. 184)
14. Allowing this exemption from the metering requirements encourages additional affordable rental housing stock, a priority of the State of California. (Finding from Urgency Ordinance No. 184)
15. This ordinance shall be reviewed and approved under CEQA (California Environmental Quality Act) based upon a Negative Declaration.

NOW THEREFORE be it ordained as follows:

ORDINANCE**Section One:** **Short Title**

This ordinance shall be known as the “MPWMD 2020 Second Bathroom and Accessory Dwelling Unit Sub-Metering Clarification Ordinance.”

Section Two: **Purpose**

This ordinance amends the provisions of Rule 24 to allow a second Bathroom for convenience in any Dwelling Unit on Sites with less than four Dwelling Units that existed as of the date the protocol was adopted in 2001. The ordinance clarifies that the second Bathroom protocol is not allowed to be used by a new Accessory Dwelling Unit. This ordinance also permanently amends Rule 23 as adopted by Urgency Ordinance No. 184 to exempt existing Residential space or structures that can be converted to Accessory Dwelling Units from the requirement for permanent sub-metering and grandfathers existing active construction of ADUs from the requirement.

Ordinance No. 185 also codifies the Board’s adoption of Ordinance No. 184 by urgency in August 2019. The codified action clarifies water submetering requirements for Accessory Dwelling Units (“ADUs”). The ordinance allows permanent submetering of one detached ADU on a Site and exempts from submetering ADUs located within an existing structure.

Section Three: **Amendment of Rule 24: Water Permit Process**

Rule 11 shall be revised as shown in bold italics (***bold italics***) and strikeout (~~striketrough~~):

DWELLING UNIT - “Dwelling Unit” shall mean a ***single unit providing complete, independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation***, ~~single or multiple residences suitable for single household occupancy~~ but shall not refer to non-permanent student or transient housing, the occupancy of which is projected to average 24 months or less.

Section Four: **Amendment of Rule 24-A-3, Second Bathroom Addition**

Rule 24-A-3 shall be revised as shown in bold italics (***bold italics***) and strikeout (~~striketrough~~):

3. **Second Bathroom Addition**

A distinctive Water Permit protocol shall apply to any Residential application that proposes to add a second Bathroom to ~~an existing Single Family~~ **a Dwelling Unit built before May 2001** ~~on a single family Residential Site~~ that, prior to the application, has less than two Bathrooms.

- a. The second Bathroom protocol shall be limited, and shall apply only to the following water appliances if they are installed in a new second Bathroom as an expansion of an existing ~~Single Family Dwelling Unit~~: (a) a single toilet, and (b) a single Standard Bathtub, or single Shower Stall, or a single standard tub-shower combination, and (c) one or two Washbasins.
- b. The second Bathroom protocol shall further apply ~~on a pro-rata basis~~ to any Residential application that proposes to add one or more of the ~~referenced water fixtures appliances~~ **referenced above** to an existing second Bathroom which lacks ~~that same appliance~~ **a fixture** within an existing ~~single family Residential Site Dwelling Unit~~ and, prior to the application, has less than two full Bathrooms.
- c. The second Bathroom protocol shall apply only to a ~~Single Family Dwelling Unit that has less than two Bathrooms and~~ ~~on a single family Residential Site~~ that had a final building permit as of May 16, 2001.
- d. The second Bathroom protocol shall not apply to any Multi-Family Dwelling or Multi-Family Residential Site **with four or more units** ~~as defined by these Rules and Regulations~~.
- ~~e. A valid Water Use Credit for the permanent abandonment of a one Bathroom Single Family Dwelling on a single family Residential Site issued prior to May 16, 2001 shall be regarded as an existing Single Family Dwelling for 120 months following demolition and shall allow the reconstruction of a single family Dwelling with the addition of the water fixtures allowed by this provision as long as the credit is valid.~~
- ~~f.~~ Water fixtures installed pursuant to this provision shall be installed within the existing ~~Single Family Dwelling Unit~~. **The second Bathroom protocol shall not be used to create a new Accessory Dwelling Unit. This includes the addition of a second Bathroom elsewhere in the Dwelling Unit that would allow the first Bathroom to be used by an Accessory Dwelling Unit.**

The protocol was adopted to recognize that a second Bathroom is for convenience. It is not intended to support a new User.

- ~~gf.~~ Under this second Bathroom protocol, the General Manager shall not debit the Jurisdiction's Allocation for the installation of ~~select~~ **the** water fixtures in the second Bathroom.
- ~~hg.~~ Capacity Fees shall nonetheless be collected for the addition of fixture units in the second Bathroom.
- ~~ih.~~ No ~~on-site, off-site or transfer of~~ credit shall be granted for removal or retrofit of any fixture added pursuant to this second Bathroom protocol.
- ~~ji.~~ Use of the second Bathroom protocol is voluntary. Any ~~property~~ **Dwelling Unit** installing a second Bathroom pursuant to this provision shall be limited to two Bathrooms unless the second Bathroom is permitted by debit to a Jurisdiction's Allocation, **an Entitlement, or offset by a credit**. A Notice **and Deed Restriction Regarding The Limitation Of on Use Of Water On Aa Property** shall be recorded on the real property as a condition of the Water Permit.
- ~~kj.~~ All Water Permits issued pursuant to this Rule shall include a Notice and Deed Restriction titled "Provide Public Access to Water Use Data" pursuant to Rule 23. In addition, permits utilizing the second Bathroom protocol shall authorize access to water records for the sixty (60) months prior to the date the Water Permit is issued. There shall be no additional charge for this deed restriction.
- ~~lk.~~ The provisions of this second Bathroom protocol shall take precedence and supersede any contrary provision of the Water Management District Rules and Regulations.

Section Five: Amendment of Rule 23-A-1-i-(6)

Rule 23-A-1-(i)-(6) shall be amended as shown below, with added language as shown in ***bold italic*** type face, and deleted language shown in ~~strikeout~~ type face. The remaining provisions of Rule 23 shall remain unchanged by this ordinance. This amendment was temporarily approved by adoption of Urgency Ordinance No. 184, the 2019 Accessory Dwelling Unit Ordinance. Adoption

of this ordinance will make the changes permanent.

- (6) The General Manager shall allow permanent sub-metering of all water use into one Accessory Dwelling Unit, ~~including hot and cold water supply. The application for sub-metering an~~ *An Accessory Dwelling Unit **contained within the existing space of a single-family residence or accessory structure (e.g., studio, pool house, or other similar structure) shall be exempt from the sub-metering requirement. Sub-metering is, however, encouraged as a conservation tool that promotes the efficient use of water. The sub-metering requirement or sub-metering exemption*** will be considered by the General Manager when the Jurisdiction confirms there is no potential that the sub-metered User could be located on a separate Site through subdivision or transfer of ownership of a portion of the Site.

Section Six: **Accessory Dwelling Units Under Construction**

Active Water Permits that require sub-metering of ADUs in existing structures shall be eligible for the exemption adopted by this ordinance. An amended Water Permit shall not be required; however, an amendment is required to remove the requirement from any Limitation on Use (Form 1.1) deed restriction.

Section Seven: **Publication and Application**

The provisions of this ordinance shall cause the republication and amendment of the permanent Rules and Regulations of the Monterey Peninsula Water Management District.

Section Eight: **Effective Date and Sunset**

This ordinance shall take effect at 12:01 a.m. thirty days after adoption.

This Ordinance shall not have a sunset date.

Section Nine: **Severability**

If any subdivision, paragraph, sentence, clause or phrase of this ordinance is, for any reason, held to be invalid or unenforceable by a court of competent jurisdiction, such invalidity shall not affect the validity or enforcement of the remaining portions of this ordinance, or of any other provisions of the Monterey Peninsula Water Management District Rules and Regulations. It is the District's express intent that each remaining portion would have been adopted irrespective of the fact that

one or more subdivisions, paragraphs, sentences, clauses, or phrases be declared invalid or unenforceable.

On motion by Director _____, and second by Director _____, the foregoing ordinance is adopted upon this ____ day of _____ 2020, by the following vote:

AYES:

NAYS:

ABSENT:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify the foregoing is a full, true and correct copy of an ordinance duly adopted on the ____ day of _____ 2020.

Witness my hand and seal of the Board of Directors this _____ day of _____ 2020.

David J. Stoldt, Secretary to the Board

ITEM: PUBLIC HEARING**9. CONSIDER ADOPTION OF 2019 MPWMD ANNUAL REPORT**

Meeting Date: April 20, 2020 **Budgeted:** N/A

From: David J. Stoldt, **Program/** N/A
 General Manager **Line Item No.:** N/A

Prepared By: Arlene Tavani **Cost Estimate:** N/A

General Counsel Approval: N/A

Committee Recommendation: No committee review

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

SUMMARY: Attached as **Exhibit 9-A** is the draft 2019 Annual Report for the Monterey Peninsula Water Management District. If Directors have suggestions for changes to the report, they can be incorporated into the final.

RECOMMENDATION: Staff recommends the Board accept public comment, then direct District staff to finalize the 2019 MPWMD Annual Report. Directors are asked to submit any written comments or edits on the report to staff by Monday, April 27, 2020.

BACKGROUND: The District's enabling legislation requires production of an annual written report of the activities of the District in the protection and augmentation of water supplies of the District. The legislation further requires that a public hearing be held in March each year regarding the contents of the report before it is finalized. The Public Outreach Committee did not meet in March and the next meeting is set for April 27, 2020. In order to avoid further delay in conducting the public hearing, this report was presented to the Board absent review by the Committee.

EXHIBIT

9-A Draft 2019 MPWMD Annual Report



Draft - 2019 Annual Report

Monterey Peninsula Water Management District

Accomplishments

- Pure Water Monterey Project** – The District provided the majority of preconstruction funding for this innovative water recycling plant, working in partnership with Monterey One Water which will own and operate the system. The project was virtually complete at the end of the year with delivery of water expected during February 2020. The District served as project manager for the injection well portion of the project.
- Aquifer Storage and Recovery (ASR)** – The District operated the ASR facilities in coordination with California American Water (Cal-Am) while diverting 1,335 acre-feet (AF) of Carmel River Basin water for injection and storage in the Seaside Basin during the 2019 water year (WY). Since inception of the ASR program, a total of 9,895 AF has been diverted from the Carmel River for storage and subsequent recovery through the end of WY 2019. The District expanded its facility percolation pond to accommodate waters from two additional ASR wells to be constructed by Cal-Am. Facilities to treat produced waters began construction in 2019 to enable Cal-Am to recover ASR and Pure Water Monterey stored waters.
- Water Availability** – In cooperation with the United States Geological Survey (USGS), the District continues to refine an integrated groundwater surface water GSFLOW/MODFLOW model to help understand Carmel River flows related to changes in groundwater pumping. In addition, the District completed a draft instream flow study and hydraulic model to simulate flow requirements for steelhead in the Carmel River. These models will allow the District to simulate different water supply scenarios and their impacts on the Carmel River environment in the Los Padres removal analysis currently underway in conjunction with Cal-Am and the National Marine Fisheries Service.
- Well Permitting** – MPWMD issued 16 Confirmation of Exemptions for private properties that met the criteria established in District Rules and Regulations. Applications were reviewed for potential impacts to the water resource system and other water users.
- Proposition 1 Integrated Regional Water Management (IRWM) Program** – The District spearheaded an effort that will allow the Monterey Peninsula region to receive \$4.2 million for implementation of water projects. The District represented the Monterey Peninsula, Carmel Bay and South Monterey Bay Regional Water Management Group submission to the Central Coast funding area application for Proposition 1 Integrated Regional Water Management Disadvantaged Community Involvement Grant funds. In 2019, the Monterey Peninsula was awarded \$465,000 for Disadvantaged Community Involvement projects. The no-match grant funds were applied to a District initiated Disadvantaged Community Needs Assessment project that will provide a basis for future Disadvantaged Community Implementation grants; the City of Monterey Franklin Street Storm Drain project; and the District High Efficiency Applied Retrofit Targets pilot program project.



Construction of Santa Margarita Water Treatment Facility underway in 2019. Planned for treatment of stored water from the Pure Water Monterey Project, and other ASR sources.

In 2019 the District took the lead role to coordinate the IRWM plan update, expected to be approved by the State in early 2020.

- Legally-Mandated Carmel River Mitigation and Stewardship** – The District secured authorizations for an upgrade to the Sleepy Hollow Steelhead Rearing Facility (SHSRF) in 2018. Construction began in 2019. The upgrade includes construction of a new intake and water supply system to protect the facility from changes in river flows due to the removal of San Clemente Dam, and to allow the facility to continue to operate during periods of extreme drought or high flows. Currently the SHSRF is being tested in various modes and is expected to be running during the 2020 steelhead fish rescue and rearing season. The total project cost is estimated at \$2.8 million, including environmental compliance documents, design, permits and construction. The State Coastal Conservancy has approved up to \$2.25 million for reimbursement of expenses, which will come from funds generated by a Settlement Agreement between Cal-Am and the National Marine Fisheries Service (NMFS).

The District successfully rescued 15,013 fish from five Carmel River tributaries. No rescues were needed in the mainstem in 2019. All fish were released near the tributary's confluence with the Carmel River.

Staff also conducted late season redd (steelhead nests) surveys, counting 121 redds in 23 miles of river. And for the fourth year, Staff continued to work with NMFS on field studies to develop a steelhead population life history model for the watershed, based on tagged fish from NMFS' studies and MPWMD fall population surveys. This effort included assisting NMFS with basin-wide population surveys and installing tag detection arrays from the lower Carmel valley to above Los Padres Reservoir.



New construction at Sleepy Hollow Steelhead Rearing Facility. When the upgrade is completed the facility will operate during periods of extreme drought or high flows and should be operational for the 2020 fish rescue and rearing season.

District crews carried out the Vegetation Management Program in the active channel of the Carmel River at 6 sites to prevent debris dams and erosion. This includes trimming back encroaching vegetation and reducing the hazard of downed trees in preparation for winter flows. Trash was removed from the active channel of the river before winter rains washed it into the ocean. District staff also planted native trees on exposed banks to improve habitat value, protect water quality, and reduce bank erosion.

District staff completed revegetation and irrigation installation at the Carmel River Bank Stabilization Project just downstream of Rancho San Carlos Road. This work prevented streambanks from further collapse during the 2018-2019 winter season. MPWMD employed an environmentally friendly stabilization technique consisting of logs, rocks, and native plantings built into a cribwall at the site.

- Los Padres Dam Improvements** – A study of upstream volitional fish passage alternatives continued and a study of alternatives to the dam and management of reservoir sediment are in progress. District expenses have been partially reimbursed by Cal-Am under a Public Utilities Commission decision to plan for the long-term future of the dam and associated reservoir.
- Salinas and Carmel Rivers Basin Study** – The District continued work on a Basin Study to evaluate future water demands and water supplies taking into account the effects of climate change. The area includes all the Salinas River Valley through Monterey and San Luis Obispo Counties, the Monterey Peninsula, and the Carmel River Basin. The US Bureau of Reclamation is providing \$1.8 million in grant funds for the effort. A draft of the Study Metrics technical paper was circulated in 2019. The study, which began in 2017, is expected to take about four years to complete.

- **Conservation** – The District approved 893 rebate applications in the amount of \$259,601 for annual savings of 9.061 acre-feet of water. Staff conducted building-by-building inspections for compliance with the non-residential water efficiency requirements (Rule 143). More than 149 businesses were inspected. All Peninsula businesses will be verified by 2021. Staff completed an additional 1,139 property inspections to verify compliance with water efficiency standards for changes of ownership or use.

During 2019, the District issued 944 Water Permits and 105 Water Use Permits to Benefited Properties (i.e., properties eligible to receive a portion of a Water Entitlement). Staff conducted 740 inspections to verify compliance with permit water efficiency requirements.

As the regional entity responsible for compliance with State landscaping regulations, the District issued 31 Water Permits for new and refurbished landscapes. A total of 71,716 square feet of new landscape area was permitted. Rehabilitated area totaled 127,234 square feet. The District hosted several rainwater harvesting and water efficient irrigation workshops.

MPWMD partnered with Ecology Action to complete direct install retrofits in the disadvantaged communities in Seaside. As a result, 65 High Efficiency Clothes Washers, 8 water efficient dishwashers, and 56 Ultra-High Efficiency Toilets were installed. In addition, three leaks were repaired.

- **Community Outreach** - Posted regular updates to the District's Facebook page and Twitter account. Outreach to schools continued with presentations to classes at local schools and water curriculum provided as a partner with the Water Awareness Committee for Monterey County. Presentations were also made to many local associations and clubs. The District ran monthly ads covering District activities in local media. Conservation staff participated in numerous outreach events to provide information and water saving devices to the public.
- **Measure J** – In November 2018, voters passed an initiative requiring the District to, if and when feasible, acquire all the water supply and distribution facilities of California American Water. The District assembled a team of experts to examine feasibility and to report its findings in mid-2019. The District reported on the initial findings that an acquisition is economically feasible in November 2019. The Board voted in December 2019 to approve second phase of the feasibility to be completed by July 2020.



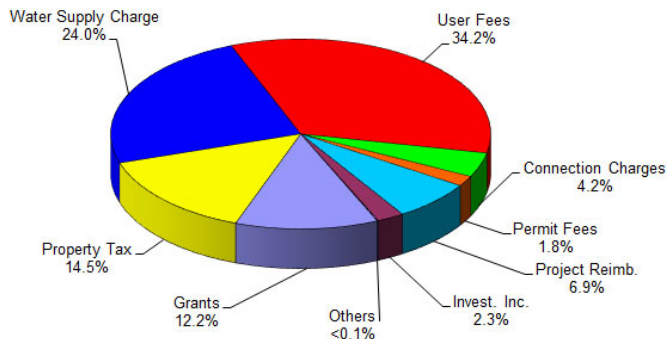
Water-wise landscaping and demonstration garden at Martin Luther King Jr. Middle School. The District's \$60,000 grant facilitated removal of 13,424 sq. feet of turf and 8,256 sq. feet of juniper to achieve an 84% reduction in water use on the site.

Financial Analysis

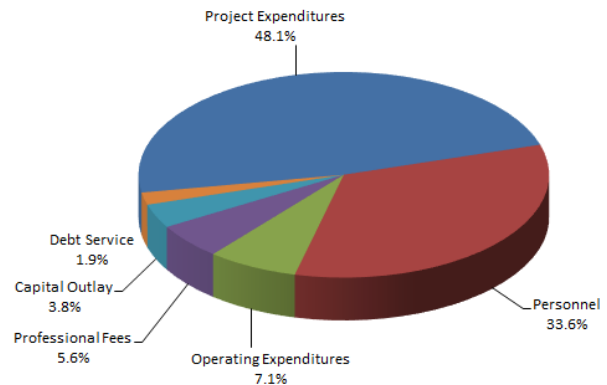
The District prepared a Comprehensive Annual Financial Report (CAFR), which is a set of government financial statements comprising the financial report of a municipality that complies with the accounting requirements promulgated by the Government Accounting Standards Board. MPWMD received a clean financial audit report with no material weakness or deficiencies. The audit for fiscal year 2018-2019 was conducted by Hayashi Wayland, an independent auditing firm. The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the District for its CAFR for the fiscal year ended June 30, 2018. This District has received the CAFR award for 4 consecutive years.

As shown in the next page, total revenues received in Fiscal Year 2018-2019 were \$14,215,580, while expenditures totaled \$11,312,306, generating an increase in fund balance of \$2,903,274. As of June 30, 2019, the District's total fund balance was \$17,015,339. The budget for Fiscal Year 2019-2020 anticipates revenue of \$13,177,000 and expenditures of \$18,039,350 with \$4,862,350 coming from fund balance.

2019-20 Revenues
\$14,215,580



2019-20 Expenditures
\$11,312,306



Future Financing Methods

The District has historically paid for costs associated with water supply projects on a pay-as-you-go basis, with majority of the funding coming from User Fees, which was the District's largest and most fluid revenue source. However, beginning in 2012 the User Fee revenue from Cal-Am customers was not available to the District. The District was funding its water supply projects from the Water Supply Charge established in 2012. However, in 2017 the Supreme Court reinstated the User Fee, which the District began collecting in April 2017. Possible sources of funds to pay for actual construction of future water supply projects include ongoing revenue increases, user fees, water supply charge, property tax, new revenue categories, grants, and bond financing. Actual funding sources will be dependent on the type of project, the amount of funding needed and other variables.

Water Supply

Groundwater Zone Charge: In June 1980, the District Board approved formation of a groundwater charge zone to provide the legal basis for a comprehensive well-monitoring program consisting of well registration, well metering, and water production reporting. However, the District abandoned this source as a revenue and no groundwater charge was established in any zone of the District during WY 2019.

Available Water Supplies: In WY 2019, 10,130 AF of water was legally available to serve Cal-Am customers within the District. Similarly, approximately 3,046 AF of water were assumed to be available to serve non-Cal-Am users extracting water from the Carmel Valley Aquifer and the Seaside Basin. However, because of legal and regulatory constraints, long-term water supplies available to Cal-Am's customers in the future will be reduced to approximately 5,500 acre-feet per year (AFY) assuming that Cal-Am will retain rights to produce 774 AFY from Seaside Groundwater sources (restored to 1,474 in 25 years), 94 AFY from the Sand City Desalination Facility, 1,300 AFY from Aquifer Storage and Recovery, and 3,376 AFY from Carmel River sources. Non-Cal-Am pumpers outside of the Seaside Basin and Carmel Valley Alluvial Aquifer that depend on percolating groundwater rights pumped 1,071 AF in WY 2019.

Requirements for Future Capital Improvements: A 6,252 AFY desalination facility is expected by 2023 with the Pure Water Monterey project expected to create 3,500 AFY of new supply in 2020-21. Aquifer Storage and Recovery is expected to be doubled in capacity by 2020, to almost 3,000 AFY in good years. The District continues to develop plans for additional ASR opportunities for future water supply.

ITEM: ACTION ITEM**10. CONSIDER A CONTRACT AMENDMENT WITH PUEBLO WATER RESOURCES TO COMPLETE REPORT PREPERATION TO ENROLL THE CARMEL RIVER AQUIFER STORAGE AND RECOVERY PROJECT IN STATE BOARD ORDER 2012-0010-DWQ**

Meeting Date:	April 20, 2020	Budgeted:	No
From:	David J. Stoldt General Manager	Program/ Line Item:	Water Supply Projects 1-2-1 2a
Prepared By:	Jonathan Lear	Cost Estimate:	\$20,114

General Counsel Review: N/A

Committee Recommendation: On April 6, 2020 the Water Supply Planning Committee voted unanimously to recommend approval of the staff recommendation. The Administrative Committee reviewed this item on April 14, 2020 and recommended approval.

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

SUMMARY: On March 12, 2020, District staff received an email from the Regional Water Quality Control Board (RWQCB) Central Coast Division. Staff was informed that the RWQCB has recently recognized that it is in the best interest of the State to develop a comprehensive regulatory approach for ASR projects, and in 2012 adopted general waste discharge requirements for ASR projects that inject drinking water into groundwater (Order No. 2012-0010-DWQ or General ASR Order). The General ASR Order provides a consistent statewide regulatory framework for authorizing both pilot ASR testing and permanent ASR projects. Oversight of these regulations is done through the Regional Water Quality Control Boards (RWQCBs) and obtaining coverage under the General ASR Order requires the preparation and submission of a Notice of Intent (NOI) application package to the local RWQCB (in this case, the Central Coast RWQCB).

MPWMD's ASR Project was developed prior to the General Waiver and has historically been authorized and regulated by the Central Coast RWQCB under the existing General Waiver for Specific Types of Discharges (Resolution R3-2014-0041) and by requiring the submission of annual technical reports for the project pursuant to Section 13267 of the California Water Code.

MPWMD is now required to apply to move ASR operations to the General Waiver and this will require the following technical documentation to be submitted with the application in a report:

1. Project location map
2. Identification and description of target aquifer
3. ASR operational schedule
4. Delineation of the Areas of Hydrologic Influence
5. Identification of all land uses within the delineated Areas of Hydrologic Influence

6. Identification of known areas of contamination within the Areas of Hydrologic Influence
7. Identification of project-specific Constituents of Concern (COCs)
8. CEQA compliance documentation
9. Groundwater Degradation Assessment

District staff have reached out to Pueblo Water Resources, who is currently under contract with the District to provide reporting support for ASR, and received an estimate of \$20,114 including a 10% contingency to complete this work. The breakdown of the estimate by task and hours is attached as **Exhibit 10-A**. The deliverables would include:

1. Transmittal letter
2. NOI application fee (assumed MPWMD provided)
3. Complete Form 200
4. Technical Report
5. US EPA Underground Injection Control (UIC) registration

Reporting under the General Waiver will be different than reporting under the water code. More frequent reports are required, however there is an opportunity to re-evaluate the monitoring network. Changes to the monitoring network will affect the annual operational budget. Staff will keep the Committee apprised as the District transitions from the old regulatory framework to the new.

This reporting requirement was not known when this year's budget was completed and will require a contract amendment with Pueblo and a budget adjustment to move forward. This work is considered compliance reporting and according to the ASR agreement between CalAm and the District, the contract amendment amount will be reimbursed to the District.

RECOMMENDATION: Staff recommends that the Board of Directors authorize the General Manager to amend the Pueblo Water Resources contract for ASR Operational Support for an amount not to exceed \$20,114, to complete the technical reporting and submit the application to the RWQCB to enroll the Carmel River ASR Project in the General Waiver. On April 6, 2020 the Water Supply Planning committee voted unanimously to recommend approval of the staff recommendation.

BACKGROUND: The District has been working on the Seaside Groundwater Basin Aquifer Storage and Recovery Project beginning in 1996. The Project began as a number of pilot testing programs experimenting with injection of water into existing CalAm wells in the Seaside Basin. In 1998 the District drilled the Paso Robles Test Injection well on the Mission Memorial property and performed a number of tests to investigate the feasibility of using the Paso Robles Aquifer as a location to store water. At this time, the RWQCB began to regulate the District's test programs under section 13267 of the water code requiring submittal of annual technical reports summarizing the operations and monitoring data from the pilot study. It was determined that injection volumes of 250 to 300 gpm could be sustained injecting water into the Paso Robles Aquifer. The study concluded that the number of wells that would be required to inject and store the amount of water available from the Carmel River made using the Paso Robles as the target aquifer infeasible.

Concurrently, CalAm was drilling the Paralta well through the Paso Robles Aquifer into the Santa Margarita Sandstone. It was discovered that the Santa Margarita was much more porous and was a better candidate as an aquifer to use for storage and recovery. In 2001, the District moved across General Jim Moore Blvd. and drilled the Santa Margarita Test Injection well and constructed a backwash basin. The discharge of backwash water was enrolled in the State Boards General Waiver for Specific Types of Discharge and reported these data when reporting under section 13267 of the water code. The District began multiple years of feasibility testing and concluded that with the infrastructure in Carmel Valley and the aquifer properties of the Santa Margarita Sandstone, a 4 well project at full build out was feasible. The District constructed ASR 2 in 2008.

In 2009, the State Board issued the first Cease and Desist Order requiring CalAm to construct a small water project that was capable of 500 AF/year within 2 years. The District worked with CalAm to build the Seaside Middle School Site, the location of ASR 3 and ASR 4. Also in 2009, the Regional Board officially moved the status of the ASR test program to an operating water resource project. The additional wells were added to the same regulatory reporting framework.

EXHIBIT

10-A Estimated Fee Summary

U:\staff\Boardpacket\2020\20200420\ActionItem\10\Item-10.docx

Monterey Peninsula Water Management District

General ASR Order NOI

PWR Project No.: 18-0094



ESTIMATED FEE SUMMARY

LABOR		Principal Prof.	Senior Prof.	Illustrator	WP	Hours by Task	Estimated Task Cost
Hourly Fee		\$210	\$195	\$125	\$105		
Task	Task Description						
1	Technical Report	60	10	3	2	75	\$15,135
2	NOI Package	5				5	\$1,050
3	PM and Meetings	10				10	\$2,100
Hours by Labor Category		75	10	3	2		
Costs by Labor Category		\$15,750	\$1,950	\$375	\$210		
Total Labor Hours						90	
Total Labor Costs						\$18,285	

EQUIPMENT AND OTHER DIRECT COSTS	Units	Unit Price	No. of Units	Fee
Water-Level Transducer/Datalogger	Daily	\$100	0	\$0
Field Water Quality Instruments	Weekly	\$275	0	\$0
Ultrasonic Flowmeter	Daily	\$200	0	\$0
Vehicle	Daily	\$75	0	\$0
Per Diem	Daily	\$150	0	\$0
Total Equipment and ODCs				\$0

OUTSIDE PRODUCTS AND SERVICES	Units	Unit Price	No. of Units	Fee
Subtotal				\$0
Total Outside Products and Services w/ Markup (15%)				\$0

COST SUMMARY	
Labor	\$18,285
Equipment and Other Direct Costs	\$0
Outside Products and Services	\$0
Subtotal	\$18,285
10 % Contingency	\$1,829
TOTAL ESTIMATED PROJECT COST	\$20,114

**PUEBLO WATER RESOURCES, INC
2019 FEE SCHEDULE**

Professional Services

Principal Professional.....	\$210/hr
Senior Professional.....	\$195/hr
Project Professional.....	\$180/hr
Staff Professional.....	\$150/hr
Technician.....	\$140/hr
Illustrator.....	\$125/hr
Word Processing.....	\$105/hr

Other Direct Charges

Subcontracted Services.....	Cost Plus 15%
Outside Reproduction.....	Cost Plus 15%
Travel Expenses.....	Cost Plus 15%
Per Diem*	\$150/day
Vehicle	\$75/day

Equipment Charges

Drilling Fluid Test Kit.....	\$100/day, \$400/week
Field Water Quality Meter (Hach DR890).....	\$75/day, \$275/week
Orion ORP/pH/Temp Probe.....	\$75/day, \$275/week
Water Level Probes (In-Situ Mini-Troll/Level Troll).....	\$100/day, \$300/week
Fuji Ultrasonic Flowmeter.....	\$200/day, \$750/week

*Regionally and seasonally specific to project.

ITEM: ACTION ITEM**11. CONSIDER ENTERING INTO A REIMBURSEMENT AGREEMENT WITH CALIFORNIA AMERICAN WATER AND ACT AS LEAD CEQA AGENCY FOR CONSTRUCTION OF A BYPASS PIPELINE TO ALLOW SIMULTANEOUS PURE WATER MONTEREY RECOVERY AND ASR INJECTION**

Meeting Date:	April 20, 2020	Budgeted:	No
From:	David J. Stoldt General Manager	Program/ Line Item:	Water Supply Projects N/A
Prepared By:	Jonathan Lear	Cost Estimate:	\$28,567

General Counsel Review: N/A

Committee Recommendation: On April 6, 2020 the Water Supply Planning Committee voted unanimously to recommend approval of the staff recommendation. The Administrative Committee reviewed this item on April 14, 2020 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 Pure Water Monterey (PWM) Project began injecting water into the Seaside Groundwater Basin in March 2020 and building up the 1,000 Acre Foot Operational Reserve. After the operational reserve has been injected, PWM water is available as a source to the water supply portfolio and will become a component of the Quarterly Water Budget and used to shift production away from the Carmel River and comply with the Cease and Desist Order (CDO). In meetings between District Staff and CalAm for planning the recovery schedule for PWM, it was identified that in order to recover all PWM and Native Seaside Groundwater, the Seaside well field would need to operate for more months of the year than previous operational protocols. Additionally, only the ASR wells are connected to the pipeline in General Jim Moore Blvd. that is attached to the transfer (Monterey) pipeline that can move water to the Forest Lakes Tank. The Forest Lake Tank supplies water to meet water demand in Monterey, Pacific Grove, and the Del Monte Forest. The rest of the wells in Seaside provide water to meet demand in Seaside and old Monterey as far as the Naval Post Graduate School and are isolated from the demands met by the Forest Lake Tank. The demand on the Seaside system is between 10 to 12 Acre Feet per day and is not enough to consume all of the recovered PWM water, so water must be recovered by the ASR wells and moved through the transfer pipeline to the Forest Lakes Tanks to ensure all of the PWM water can be consumed.

Another complicating matter is PWM is counted against the effective diversion limit of the CDO as it is injected into the groundwater basin. If PWM water is not recovered it writes down the production limit on the River and water is still produced from the River to meet customer demand, so it is critical all PWM injected is recovered in the same water year in order to assure compliance with the CDO. In these planning meetings it was identified that there would be times during the year where the desire would be to recover PWM water and move it to the Forest Lakes Tanks at

the same time ASR would be within permit conditions to allow operation. With the current piping, these two operations cannot happen at the same time. An additional pipeline parallel to the existing pipeline between Hilby Ave. and the Santa Margarita ASR facility in General Jim Moore Blvd. is necessary to allow recovery of PWM water and injection of Carmel River water at the same time. **Exhibit 11-A and 11-B** show the sources that would be needed to meet demand with and without the proposed bypass pipeline and the months that ASR could not occur. If the bypass pipeline is not constructed, even if flows in the Carmel River are above permit conditions allowing injection, in order to recover all PWM water, ASR injection would need to be stopped to allow the singular pipeline to be used for PWM recovery in order to comply with the CDO. This proposed bypass pipeline will allow both PWM and ASR water resources projects to function simultaneously. It should also be noted that this pipeline is compatible with all of the proposed water supply projects for the Monterey Peninsula and this bypass pipeline adds operational flexibility and redundancy into the Peninsula's water supply.

The proposed pipeline is above the length and diameter to be exempt from the CEQA process. In order to facilitate this solution in an expedited manner, CalAm has asked the District to act at the Lead CEQA agency for the project. If approved, District staff would work with CalAm to prepare an addendum to the District's ASR EIR to include the bypass pipeline that will allow the project to operate at the same time as PWM extraction. The General Manager would enter into a reimbursement agreement with CalAm for the cost of the CEQA work and CalAm would cover the cost of pipeline construction. If approved, the work is envisioned to begin this summer.

Project Description

California American Water (CAW) proposes to construct a new 36-inch-diameter, 7,000 LF, potable water transmission pipeline (Bypass Pipeline) in located General Jim Moore Blvd (GJM) between Hilby Avenue and approximately 750 feet south of Coe Avenue in Seaside, CA. The proposed Bypass Pipeline would connect to an existing 36-inch pipeline at each end.

The Bypass Pipeline would be located in the Former Fort Ord within the Seaside Munitions Response Area (MRA).

The project would also include a new de-chlorination facility and a new 16-inch diameter connection to the CAW Aquifer Storage and Recovery (ASR) well sites 3 and 4 located at the Seaside Middle School.

Purpose

The proposed Bypass Pipeline would improve the existing ASR system and allow CAW to perform simultaneous ASR injection and extraction operations in order to meet customer demand as a result of reduced Carmel River diversions. The Bypass Pipeline would be used to convey water from Crest Tank to ASR Wells 3 and 4 for injection. Extraction operations would be performed at ASR Wells 1 and 2 and would be conveyed through existing infrastructure to Forest Lake Reservoir in Pacific Grove.

Under current CAW permit requirements, a 30-day retention period is required between ASR injection and extraction operations. Due to reduced Carmel River diversions, CAW would not be able to meet customer demand during the 30-day retention period when extraction operations are not allowed. The proposed dechlorination facility would dechlorinate water prior to injection into ASR Wells 3 and 4 which would remove the 30-day retention period requirement and allowing CAW to meet customer demand.

Construction

The Bypass Pipeline would be constructed by open trench within the paved roadway of the northbound lanes of GJM. The typical trench width would be approximately 6-feet wide and 6.5-feet deep. Excess soil would be handled and disposed of per requirements of the Fort Ord Reuse Authority (FORA) and City of Seaside Programmatic On-Call Construction Support Plan – Roadways and Utilities – Seaside Munitions Response Area. Pavement and striping would be restored per City of Seaside requirements. Traffic control plans would be developed and submitted to the City of Seaside for review and approval.

The pipeline would include blow off and air vent appurtenances installed in either the sidewalk or median of GJM. Blow offs would be pump out style, located within utility boxes that are flush with the surrounding ground. Air vents would be installed above grade in locked cages. The locations of the appurtenances would be per approval of the City of Seaside.

RECOMMENDATION: Staff recommends that the Board of Directors authorize the General Manager to enter into a reimbursement agreement with CalAm for the CEQA work to construct to bypass pipeline necessary to allow simultaneous PWM recovery and ASR injection and move this item to the Board of Directors for consideration.

EXHIBITS

- 11-A** Sources needed to meet demand without the parallel pipeline
- 11-B** Sources needed to meet demand with the parallel pipeline
- 11-C** Denise Duffy and Associates Scope of Work

Without separate parallel pipeline, ASR injection would be limited to certain month to allow extraction of all additional source water from the north.
 With limited ASR bank and Table 13, Seaside Basin and Carmel River source water may have 200 AF buffer or less.

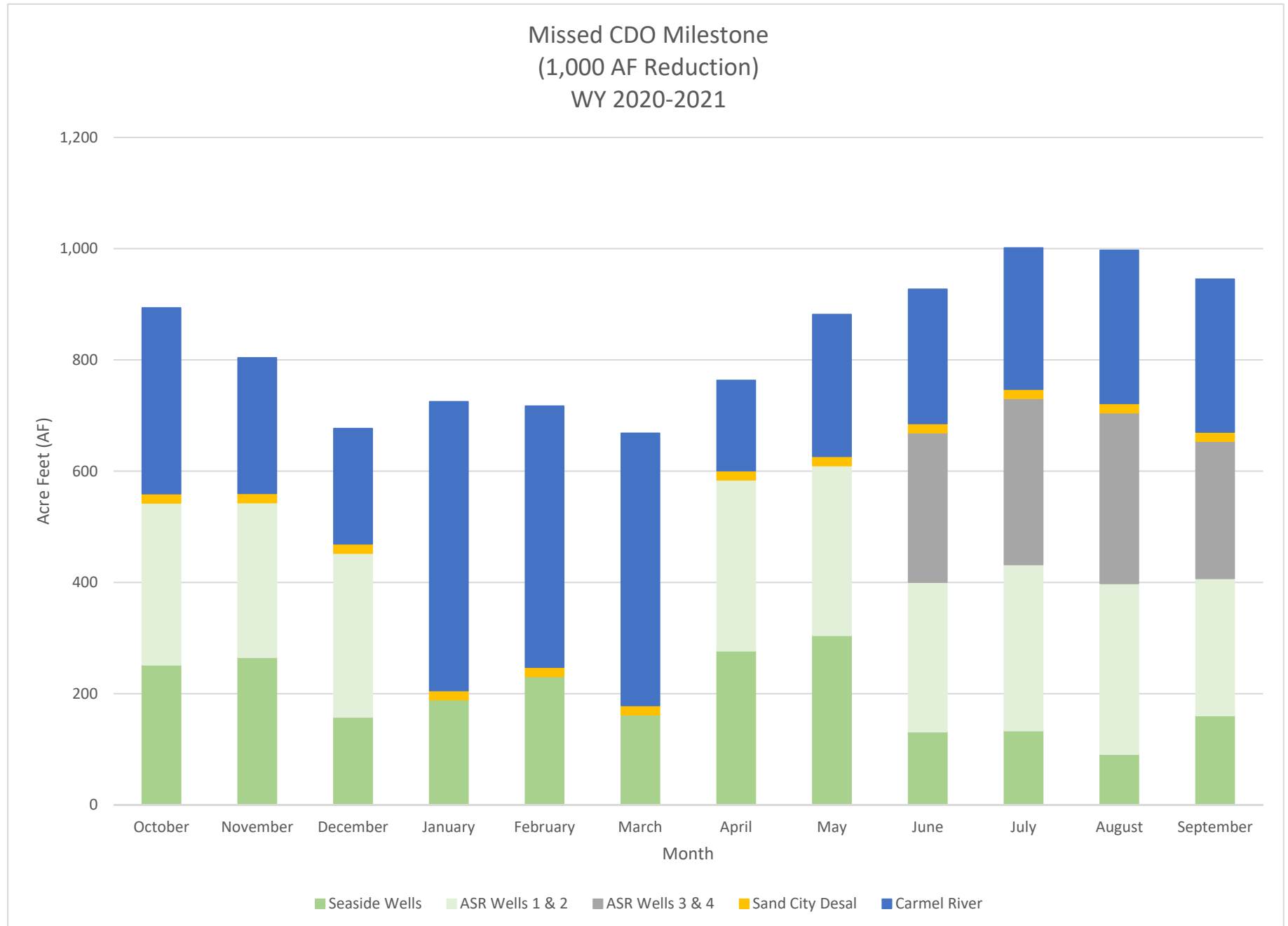


EXHIBIT 11-A

Injection of ASR via separate parallel pipeline while extracting additional source water from the north, increases ASR bank and Table 13. This results in allowing Seaside Basin limits and Carmel River EDL to be met during max ASR injection year with approximately 1,000 AF buffer.

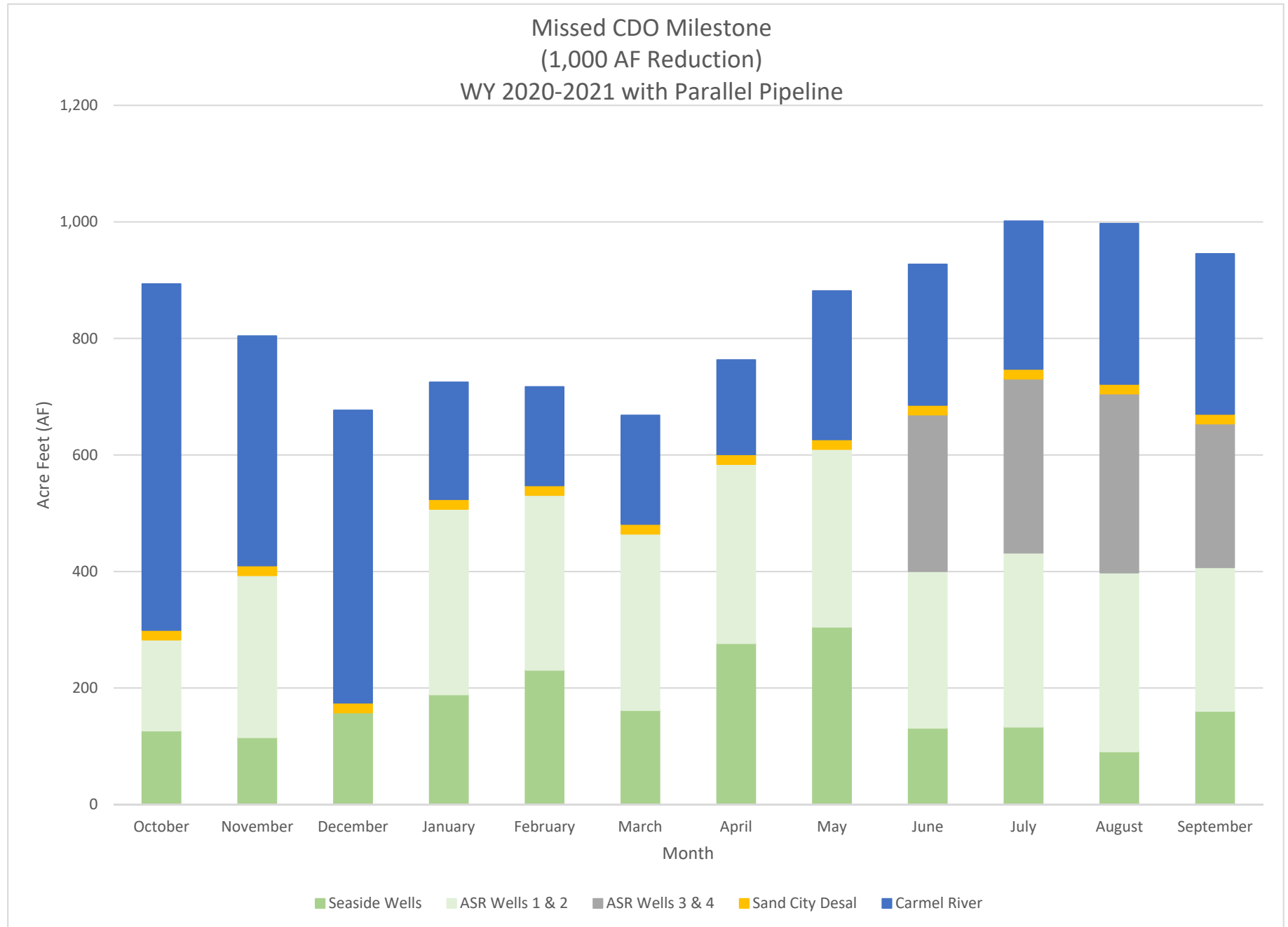


EXHIBIT 11-B

**Denise Duffy & Associates, Inc.**

PLANNING AND ENVIRONMENTAL CONSULTING

SCOPE OF WORK**Monterey Peninsula Water Management District
Aquifer Storage and Recovery Project
California Environmental Quality Act Addendum**

April 3, 2020

INTRODUCTION

The Monterey Peninsula Water Management District (“MPWMD” or “District”) requested that Denise Duffy & Associates (“DD&A”) prepare a scope and budget to provide California Environmental Quality Act (“CEQA”) services in connection with a minor modification to the Aquifer Storage and Recovery (“ASR”) Project (“Proposed Modification”). More specifically, MPWMD requested that DD&A prepare a scope of work to prepare an Addendum to the ASR Environmental Impact Report/Environmental Assessment (“EIR/EA”). The following provides a general overview of the Proposed Modification and existing environmental documentation applicable to the modification, as well as a detailed scope of work and budget. As discussed previously, DD&A prepared an Addendum to the ASR Project EIR/EA in 2019 and the following scope of work would capitalize on existing documentation to the maximum extent feasible to ensure the timely completion of project deliverables.

PROPOSED MODIFICATION

The Proposed Modification would improve the existing ASR system and allow California American Water (“CalAm”) to perform simultaneous ASR injection and extraction operations to meet customer demand as a result of reduced Carmel River diversions. The Proposed Modification would be used to convey water from Crest Tank to ASR Wells 3 and 4 for injection. Extraction operations would be performed at ASR Wells 1 and 2 and would be conveyed through existing infrastructure to Forest Lake Reservoir in Pacific Grove, CA.

Under current CalAm permit requirements, a 30-day retention period is required between ASR injection and extraction operations. Due to reduced Carmel River diversions, CalAm would not be able to meet customer demand during the 30-day retention period when extraction operations are not allowed. A proposed dechlorination facility would dechlorinate water prior to injection into ASR Wells 3 and 4 which would remove the 30-day retention period requirement and would allow CalAm to meet customer demand.

The Proposed Modification consists of the following:

- Construction of a new 36-inch-diameter, 7,000 LF, potable water transmission pipeline (“Bypass Pipeline”) in General Jim Moore Blvd between Hilby Avenue and approximately 750 feet south of Coe Avenue in Seaside, CA. The proposed Bypass Pipeline would connect to an existing 36-inch pipeline at each end. The pipeline would include blow off

and air vent appurtenances installed in either the sidewalk or median of General Jim Moore Boulevard. Blow offs would be pump out style, located within utility boxes that are flush with the surrounding ground. Air vents would be installed above grade in locked cages. The final locations of the proposed appurtenances would be subject to the approval of the City of Seaside.

- The Proposed Modification would also include a new dechlorination facility and a new 16-inch diameter connection to the CalAm Aquifer Storage and Recovery (ASR) well sites 3 and 4 located at the Seaside Middle School.

The proposed Bypass Pipeline would be constructed by open trench within the paved roadway of the northbound lanes of General Jim Moore. The typical trench width would be approximately 6-feet wide and 6.5-feet deep. Excess soil would be handled and disposed of consistent with the requirements of the Fort Ord Reuse Authority (FORA) and City of Seaside Programmatic On-Call Construction Support Plan – Roadways and Utilities – Seaside Munitions Response Area. Pavement and striping would be restored per City of Seaside requirements.

EXISTING ENVIRONMENTAL DOCUMENTATION

Pursuant to CEQA, Public Resources Code Sections 21000 *et seq.*, and the State CEQA Guidelines, Title 14, California Code of Regulations, Sections 15000 *et seq.* (“CEQA Guidelines”), the District considered the following environmental documentation:

- Final Environmental Impact Report (“FEIR”), certified by the District in August 2006 for the Seaside Groundwater Basin (“SGB”) Aquifer Storage and Recovery Project;
- Addendum No. 1 to the ASR EIR/EA addressing the full implementation of Phase 2 ASR, dated April 2012;
- Addendum No. 2 to the ASR EIR/EA addressing the Hilby Avenue Pump Station, dated June 2016;
- Addendum No. 3 to the ASR EIR/EA addressing the Monterey Pipeline, dated February 2017;
- Addendum No. 4 to the ASR EIR/EA addressing the Backflush Basin Expansion Project, dated July 2018;
- Addendum No. 5 to the ASR EIR/EA addressing the Water Treatment Facility Modification, dated June 2019; and,
- Additional documentation for background information includes the Final PWM/GWR EIR certified October 2015 and the Final Monterey Peninsula Water Supply Project EIR/EIS, April 2018.

Based on preliminary discussions with MPWMD and CalAm, it appears than an Addendum to the ASR EIR/EA would be the appropriate level of environmental documentation for the Proposed Modification because it is not anticipated to create new significant environmental impacts or substantially increase the severity of previously identified significant impacts consistent with the requirements of CEQA Guidelines Secs. 15162 and 15164. The following presents DD&A’s proposed scope of work.

SCOPE OF WORK

Task 1. Project Initiation

This task consists of initial project review and consultation with MPWMD, CalAm, and other interested parties, as determined appropriate. The purpose of this task is to: 1) collect and review relevant background information related to the Proposed Modification; 2) confirm expectations related to specific deliverables, format of products, level of detail required, staff assignments and roles, and appropriate paths of communication; and, 3) discuss critical milestones and finalize the schedule. Data gathered as part of this task will be reviewed and used to develop a comprehensive picture of the physical, technical, and environmental resources that may be affected by the Proposed Modification. As part of this task, DD&A will complete the following tasks:

- DD&A will communicate with District staff to confirm project details and schedule needs, and to gather and review available information;
- DD&A staff will conduct one site visit and photograph existing conditions;
- DD&A will conduct an assessment of the existing relevant background reports;
- DD&A will collect data required to supplement the existing analysis consistent with CEQA;
- DD&A will review and edit the description of the Proposed Modification for the Addendum; and,
- DD&A will conduct initial evaluation by reviewing applicable CEQA regulations, existing CEQA documentation prepared for the ASR Project, and review other pertinent background documentation, as applicable.

DD&A assumes that CalAm will submit site plans and related exhibits depicting the Proposed Modification.

Task 2. Administrative Draft Addendum

DD&A will prepare an Administrative Draft Addendum for review by MPWMD. DD&A will prepare the Administrative Draft Addendum in compliance with CEQA Guidelines Sec. 15164. The Addendum will clearly and concisely describe the changes to the ASR Project due to the Proposed Modification. The Addendum will include a description of the changes to the ASR Project and identify revisions to the ASR Project compared to how they are described in the underlying environmental documentation. DD&A will submit the Administrative Draft Addendum to MPWMD in electronic form (in MS Word and PDF via email) for review and comment. The Addendum will also provide a supporting rationale that describes the reasons why an Addendum is the appropriate level of environmental documentation.¹

¹ Note: As noted above, a preliminary determination has been made that use of an addendum would be appropriate under CEQA and the proposed project would not create new significant environmental impacts or substantially increase the severity of previously identified significant impacts.

The Addendum will be organized as follows:

- Introduction
 - Addendum Overview
 - Background on the Project
 - Addendum Requirements
 - Review of existing CEQA documentation
- Description of the Proposed Modification
 - Location
 - Description of construction and operational characteristics
 - Comparison of Project to facilities evaluated in the existing CEQA documentation
- Impacts and Mitigation of the Project* (See Topical Analysis below)
- Comparison to the Conditions Listed in CEQA Guidelines Related to Addendum Preparation
 - Changes to the Project Considered Not Substantial
 - No New Information Leading to Environmental Effects
 - No Change in Project Circumstances
- Conclusions
- References/Acronyms/Appendices

**Topical Analysis:* The addendum will include the following brief analyses, at a minimum:

Air Quality/Greenhouse Gasses. The Addendum will evaluate any potential changes to the previous impact analysis for air quality and greenhouse gasses based on the proposed increase in construction area. The environmental documentation previously prepared for the project concluded that project and cumulative air quality impacts are considered to be less-than-significant. No change in the conclusions from the previous assessment is anticipated.

Biological Resources. The Addendum will evaluate whether the Proposed Modification construction area would result in any additional biological impacts. DD&A will review the existing biological reports for the site and provide updated technical documentation related to biological resources as needed, including conducting updated biological survey. Based upon a preliminary review of relevant project documentation, no new significant impacts or a worsening of severity of significant impact is anticipated.

Cultural Resources. The Addendum will also evaluate potential impacts to cultural resources. More specifically, the Addendum will describe how the impacts on cultural resources will not be increased in severity when compared to the impacts identified in the previous environmental documentation.

Hazards and Hazardous Materials. The Addendum will identify potential hazards that exist on the site including those specific to the Former Fort Ord, such as the potential for unexploded ordinances (UXO) and soil contamination. This section will describe local protections that apply to the site and discuss the Proposed Modification's ability to comply with applicable regulations.

Hydrology and Water Quality. The Addendum will evaluate hydrology and water quality effects of the project. The Addendum will also identify the potential drainage and water quality impacts

from the Proposed Modification. This section will identify local and regional programs for maintenance of water quality and the Proposed Modification's adherence to these programs.

Land Use and Planning. The Addendum will describe the existing land uses in the area of the Proposed Modification compared to the base environmental documentation and address potential land use effects.

Noise. The Addendum will describe the noise impacts on sensitive receptors when compared to the impacts identified in the previous environmental documentation and review applicable mitigation. Based upon a preliminary review of the Proposed Modification, no new significant impacts or a worsening of severity of significant impact is anticipated.

Traffic. The Addendum will evaluate any potential changes to construction traffic based on the proposed revised construction area. The environmental documentation previously prepared for the ASR Project concluded that project and cumulative traffic impacts are considered to be less-than-significant. It is assumed that only minor traffic modifications would be needed for the Proposed Modification.

Topic by Topic Discussion. Other topics, including geotechnical, geology, population/housing, public services and recreation, and utilities and service systems will be briefly addressed to describe how the Proposed Modification will not create any new impacts and will not increase the severity of those impacts previously identified. No assessment of agricultural resources is needed.

This scope of work assumes that DD&A will receive two (2) sets of comments from MPWMD on the Administrative Draft Addendum.

Task 3. Screen-Check Draft Addendum

Based upon review comments from District staff on the Administrative Draft Addendum, DD&A will prepare a Screen-Check Draft Addendum for final review by MPWMD staff. This scope of work assumes DD&A will receive two (2) sets of comments from MPWMD on the Screen-Check Draft Addendum. The Addendum will be prepared pursuant to the California CEQA Guidelines Sec. 15164, to describe the modifications to the ASR Project and to evaluate whether the modifications present any new significant impacts not identified in the previously certified documentation or any increase in severity in any previously identified significant impacts.

Task 4. Prepare Final Addendum

Based upon comments on the Screen-Check Draft Addendum, DD&A will revise the Addendum and prepare a Final Addendum to accompany the MPWMD's staff report on the Proposed Modification.

Task 5. Prepare CEQA Findings, Mitigation Monitoring and Reporting Program; Review Staff Report, Draft, and Final Resolution

In preparation for the MPWMD Board action on the Addendum and project approval, DD&A will prepare the CEQA-required findings for the Addendum. DD&A will also assist with the review of MPWMD's staff report and draft Board Resolution. It is assumed that the Proposed Modification

will not result in amendments to the Mitigation Monitoring and Reporting Program (MMRP). This scope does not include an update to the MMRP. Based upon comments on the CEQA findings, DD&A will revise and prepared the final document to accompany the staff report.

Task 6. Prepare Notices

After project approval, DD&A will prepare draft and final notices, as needed, related to the project approval. DD&A will file notices with proper documentation of previous fee payment to the Monterey County Clerk, Office of Planning and Research (OPR), or others, if requested.²

Task 7. Meetings and Conference Calls

This task includes attendance/involvement in meetings and conference calls with the involved agencies and MPWMD. This budget assumes that attendance by the Project Manager at a public hearing is not necessary, but DD&A staff can be made available to attend the public hearing for the Proposed Modification, if requested by MPWMD. DD&A's Project Manager will coordinate meeting and conference call scheduling and prepare and distribute meeting agendas and summaries of key discussion points, if requested.

Task 8. Project Management

This task consists of project management and communication responsibilities, including correspondence, schedule/budget tracking, project oversight, and document production. This task also includes coordination with MPWMD and others during preparation of the Addendum.

Schedule

Assuming there are no significant changes to the Proposed Modification as described above, work performed under this scope of services will be completed within sixty (60) days of authorization by the District.

Budget

The following page shows a task-by-task breakdown of DD&A's cost estimate to complete the Addendum for the Proposed Modification.

² Filing a Notice of Determination is optional; thus DD&A would perform this task only after confirmation by the MPWMD.

Denise Duffy & Associates, Inc.
ASR Parallel Pipeline
Cost Breakdown - Addendum

Task	Description	Principal	Project Manager	Senior Environmental Scientist	Associate Environmental Scientist/Planner	GIS/Graphics/Assist	Assistant Environmental Scientist/Planner	Administrative	DD&A Costs by Task	Direct Costs (see note 3)	Total by Task
1	Project Initiation	1	4	2	4			2	\$1,768	\$50	\$1,818
2	Administrative Draft Addendum	2	12	16	22	4	24	4	\$10,372	\$50	\$10,422
3	Screen-Check Draft Addendum	1	8	4	6	2	10	2	\$4,158	\$50	\$4,208
4	Final Addendum	2	4	2			8	2	\$2,350	\$50	\$2,400
5	CEQA Findings, Mitigation Monitoring and Reporting Program; Review Staff Report, Draft, and Final Resolution	1	6	2			12	2	\$2,848		\$2,848
6	Prepare Notices		1		2		4	2	\$910	\$50	\$960
7	Meetings and Conference Calls	2	6	2			2		\$1,960		\$1,960
8	Project Management	1	6					2	\$1,354		\$1,354
	Total Hours and Cost	10	47	28	34	6	60	16			\$25,970
	Rate (\$/hour)	\$230	\$166	\$153	\$110	\$105	\$99	\$64			
	Contingency, 10%										\$2,597
	Total Costs	\$2,300	\$7,802	\$4,284	\$3,740	\$630	\$5,940	\$1,024	\$25,720	\$250	\$28,567

Notes:

1. Approach. This budget estimate is based on the current understanding of approach per consultation with District.

2. Responding to comments. This budget estimate assumes an average number and length of comments from the reviewers with no new technical analysis. DD&A reserves the right to review the comments and adjust the estimated budget to accommodate responding to excessive comments. Specifically, responding to more than an average number of comments revising or conducting new analysis and/or excessively complex comments may require an amendment to the contract.

3. Direct Costs. Estimate does not include any filing fee for Notice of Determination or photocopying costs. Unless otherwise noted or requested, DD&A assumes that all deliverables would be submitted electronically (in PDF format, or if needed, Microsoft Word) only.

4. New technical studies. This task assumes assessment of the following issue areas based upon available information and assumes no new technical studies are needed: aesthetics/visual resources (visual simulations), air quality, biological resources, cultural resources, energy, geotechnical and geologic hazards, hazardous materials, hydrology and water quality, noise, traffic and transportation, and utilities/water supply.

ITEM: ACTION ITEM**12. CONSIDER ADOPTION OF 2020 LEGISLATIVE ADVOCACY PLAN****Meeting Date: April 20, 2020 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: On March 24, 2020 the Legislative Advocacy Committee vote unanimously to recommend adoption by the Board****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

SUMMARY: Attached as **Exhibit 12-A** is a draft 2020 Legislative Advocacy Plan. At its March 24, 2020 meeting the Legislative Advocacy Committee discussed state and federal priorities for the year. For the past 3 years Pure Water Monterey has been the focal point of our efforts. New initiatives and/or redirection of District resources were discussed and folded into the Plan. Also included as Item 19 of this agenda are State legislation discussed and being tracked by the Committee.

RECOMMENDATION: The Committee recommends the Board of Directors review the Legislative Advocacy Plan and adopt it.

EXHIBIT**12-A Draft 2020 Legislative Advocacy Plan**



2020 Legislative Advocacy Plan - DRAFT

This plan establishes the Monterey Peninsula Water Management District legislative and government affairs priorities for FY 2020.

Federal Strategy

1) Continue relationship and services with The Ferguson Group

- Identifying legislation or proposed regulatory changes that may impact the District.
- Track additional Title XVI and WIIN Act funding for Pure Water Monterey
- Track Trump Administration budget actions and Infrastructure Funding/Financing Proposals
- Consult with staff to develop positions on relevant legislation.
- Advocate the District's position on bills and matters of interest.
- Identify funding opportunities and notify of timing, requirements, and advocate on behalf of District or District's partners (e.g. WaterSMART) for, but not limited to:
 - ✓ Fisheries and watersheds
 - ✓ Pure Water Monterey Expansion
 - ✓ CSIP Annexations
 - ✓ Desalination (if proceeding)
- Prepare materials for briefing – talking points, briefing books, letters, as necessary
- Coordinate with other water district lobbyists and organizations
- Maintain close relationships with Monterey legislative delegation

2) Maintain Washington DC profile:

- Work with The Ferguson Group to organize timely trips as needed, but at least once a year separate from ACWA trip
- Both Congressional delegation and regulatory departments related to water, including but not limited to BLM, NOAA (NMFS), USBR, USDA, and EPA.
- Develop relationships with new legislative staff.
- Attend ACWA trip each year (Discuss: Every other year?)
- Direct contact with associations including ACWA, WateReuse, etc.

3) Provide support for relevant legislation.

- 4) Perform on existing federal grants:
 - Salinas and Carmel Rivers Basin Study (\$900,000 USBR to be completed in 2020 or 2021)

State of California Strategy

- 1) Monitor and pursue grant opportunities:
 - Fisheries Restoration Grant Program (FRGP): Position the District for a 2021 application for Monitoring Watershed Restoration (MO) for Carmel River in the aftermath of the San Clemente dam removal.
 - IRWM: Updated IRWM Plan was accepted by the State in February. Will maintain our lobbying effort to retain the funding agreement to ensure we receive over \$3 million in the next IRWM rounds of Prop 1 moneys
- 2) Maintain Sacramento profile:
 - Work with JEA Associates to organize timely trips as needed, but at least once a year separate from needs-based visits.
 - Meet Governor Newsom's new appointee's in relevant key positions
 - Meet with legislative team locally
 - Attend CSDA, ACWA, and/or WaterReuse legislative days
- 3) Provide support/opposition for relevant legislation.
 - Maintain JEA bill-tracking
 - Provide letters of support or opposition on legislation and regulations that affect the water industry. Current effort on SB 669 as alternative to water tax and proposed SWRCB permanent conservation regulations.
- 4) Develop helpful relationships: ACWA, WaterReuse, others

Local Strategy

- 1) Maintain District role in regional water issues related to:
 - Pure Water Monterey – CSIP expansion and expansion for MCWD
 - Los Padres Dam and Reservoir studies
 - Manage local IRWM effort
 - Groundwater Sustainability and Regionalism generally
- 2) Encourage information flow and public participation in Rule 19.8/Measure J feasibility analysis where possible.

- 3) Participate in County-wide efforts (CEQA, OES, Water planning, Carmel River/Lagoon)
- 4) Maintain outreach to local associations government affairs committees (Chambers, MCAR, MCHA, Coalition of Peninsula Businesses, jurisdictions' mayors and councils);
Meet new councilmembers and board members.
- 5) Better articulate CPUC activities to local ratepayer groups

ITEM: ACTION ITEM**13. CONSIDER LETTER OF SUPPORT FOR CERTIFICATION OF SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT FOR PURE WATER MONTEREY EXPANSION BACK-UP PROJECT****Meeting Date:** April 20, 2020 **Budgeted:** N/A**From:** David J. Stoldt,
General Manager **Program/** N/A
Line Item No.:**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: Monterey One Water (M1W) has prepared a Final Supplemental Environmental Impact Report (Final SEIR) for proposed Modifications to the Pure Water Monterey Groundwater Replenishment Project (“Proposed Modifications”). The M1W Board of Directors will conduct a public hearing to consider certification of the Final SEIR; adoption of California Environmental Quality Act findings and a Statement of Overriding Considerations; approval of mitigation measures and a Mitigation Monitoring and Reporting Program; and approval of the Proposed Modifications with Conditions during its regularly-scheduled Board of Directors Meeting on Monday, April 27 2020 (which will be held remotely via Zoom Webinar in accordance with the County of Monterey and the State of California directives and requirements.)

The Proposed Modifications to the approved Pure Water Monterey Groundwater Replenishment Project would increase the project yield so that the expanded project can serve as a back-up to the California American Water Company (Cal-Am) Monterey Peninsula Water Supply Project desalination project in the event that the desalination project is delayed beyond the Cease and Desist Order deadline of December 31, 2021. The Proposed Modifications would provide expanded quantities of purified recycled water for recharge of a groundwater basin that serves as drinking water supply. The Proposed Modifications would increase the amount of purified recycled water produced by the approved PWM/GWR Project by 2,250 AFY using the following new and modified facilities located within unincorporated Monterey County and City of Seaside:

- (1) improvements at the approved Advanced Water Purification Facility to increase peak capacity;
- (2) new product water conveyance facilities
- (3) new and relocated injection well facilities, including monitoring wells;
- (4) new Cal-Am potable water facilities consisting of four new extraction wells, related pipelines and appurtenances, and treatment facilities; and
- (5) new Cal-Am potable water conveyance facilities.

The Proposed Modifications are being proposed by M1W in partnership with the District.

RECOMMENDATION: The General Manager recommends the Board of Directors submit a letter of support in a form similar to **Exhibit 13-A**, modified if necessary, based on Board discussion.

EXHIBIT

13-A Draft Letter of Support for Certification of Supplemental Environmental Impact Report for Pure Water Monterey Expansion Back-Up Project

EXHIBIT 13-A

April 27, 2020

Ron Stefani, Chair
Monterey One Water
5 Harris Court, Bldg D
Monterey, CA 93940

Re: Certification of Final Supplemental Environmental Impact Report (Final SEIR) for Proposed Modifications to the Pure Water Monterey Groundwater Replenishment Project

Dear Mr. Stefani:

The Monterey Peninsula Water Management District (the District) appreciates its partnership with Monterey One Water (M1W) in the development of Pure Water Monterey. At our April 20, 2020 meeting the District Board endorsed its support for M1W certification of the Final SEIR, adoption of CEQA findings and a Statement of Overriding Considerations, approval of mitigation measures and a Mitigation Monitoring and Reporting Program, and approval of the Proposed Modifications with Conditions. We encourage such action for three reasons:

- When your agency and ours entered into agreement in March 2019 to undertake the SEIR, there was still great uncertainty over the Supreme Court challenges to the Certificate of Public Convenience and Necessity for the desalination plant and other potential permit challenges. Securing environmental approval for a back-up project within a year's time was no small commitment, but was deemed worthy by both our boards. The District took on the majority of the financial risk, for which it would like to see the outcome completed.
- The Proposed Modifications are feasible and would represent a "shovel-ready" project on the shelf to potentially serve water supply to others. However, there is much more additional design and permitting to do, hence the mere act of certifying does not mean the project will be built.
- There are within the Final SEIR new Cal-Am potable water facilities consisting of four new extraction wells, related pipelines and appurtenances, treatment facilities, and potable water conveyance facilities. Such facilities are needed for optimal operation of the Cal-Am system with or without the Proposed Modifications.

We encourage and endorse your certification of the Final SEIR.

Sincerely,

The Board of Directors
Monterey Peninsula Water Management District

U:\staff\Boardpacket\2020\20200420\ActionItem\13\Item-13-Exh-A.docx

ITEM: ACTION ITEM**14. CONSIDER WRITTEN RESPONSE TO STATE REGARDING WATER RIGHT 20808 A, B AND C**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	David J. Stoldt General Manager	Program/ Line Item:	Water Supply Projects
Prepared By:	Jonathan Lear	Cost Estimate:	N/A

General Counsel Review: N/A**Committee Recommendation:** On 4/6/20 the Water Supply Planning Committee voted to recommend that the Board direct the General Manager to respond in keeping with the 3/24/20 call.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: On 3/4/20, the District received a letter from the State Water Resources Control Board (SWRCB) asking the District a number of questions regarding Water Rights 20808 held by the District. The letter, attached as **Exhibit 14-A**, provides a history of the 20808 Water Right(s) and describes the process in which the water right was split into 3 separate water rights. The letter asks two specific questions regarding Water Right 20808B and outlines a few important dates related to Water Rights 20808 A and C. The implications of the dates for each of the Water Rights is explained below.

Status of 20808 A and C

On December 1, 2020 the period to demonstrate beneficial use of water diverted under these permits expires. At that point, even if the face value of the Water Rights is larger than the maximum volume diverted in a calendar year, the Water Rights are capped at the maximum demonstrated volume according to the SWRCB. In addition, these water rights have a maximum rate of diversion also capped at the demonstrated rate. The District has demonstrated maximum diversion rates for each of these Water Rights, but has not yet demonstrated the maximum face value of the Rights. Face value of these water rights was calculated at the time the petition for change of the original 20808 was submitted by multiplying the number of days within the diversion window (December 1 to May 31) by the maximum diversion rate for each permit. Face values for 20808 A and 20808 C are 2,476 and 2,900 Acre Feet per calendar year, respectively. However, these Water Rights are also subject to in-stream flow requirements that must be met prior to diverting water. The District has daily streamflow records dating back to the 1950's that demonstrate there has never been a year where all days between December 1 and May 31 have been above the instream flow requirements.

When the period to demonstrate beneficial use for a water right comes to a close, the water right holder has three choices; 1) keep diverting water under the right capped at the maximum calendar

year diversion of record, 2) file a petition for an extension of time to extend the time to demonstrate maximum beneficial use, or 3) file to license the water right. When a water right is licensed, a finding is made as to the maximum diversion rate and the maximum annual diversion volume. The findings often do not set the rate and volume of the right above what has been demonstrated, however the water right is considered perfected and can never be revoked.

Currently, the District has shown it can divert under each of these water rights at the maximum daily diversions, but the maximum annual volume diverted for the water rights are 1,117 AF and 1,428 AF for 20808 A and C, respectively.

Status of 20808 B

The 3/4/20 SWRCB letter focuses mostly on this water right, specifically asking about the District's plan to move forward with its current petition for extension of time to construct. The window of time to finish construction of the New Los Padres Dam and to show diversions to beneficial use ends December 2020. These dates will not be met. SWRCB staff asks the District; 1) whether the District would like to keep the petition for extension of time to construct the Dam and 2) if the District is considering filing a petition for extension of time to demonstrate diversions to beneficial use under this permit.

On 3/24/20 District staff and SWRCB staff had a conference call to chart a path forward for the water rights.

- For 20808 A and C SWRCB staff recommended the District begin the licensing process and make a case for more water than the highest annual volume based on a streamflow analysis to see how much the draft licensed amounts were. If at that point the District chooses to not accept the draft annual volumes, the District can file another petition for extension of time to demonstrate beneficial use.
- For 20808 B SWRCB staff recommended the District file a petition for extension of time to show beneficial use and withdraw the petition for extension of time to construct New Los Padres Dam. Once the District has completed a feasibility analysis and identified viable project(s), a petition for change can be filed to modify the water right to apply to the new application.

SWRCB staff reminded District staff that filing any petition will open a 30 day period for others to protest the petition.

RECOMMENDATION: Receive the report on water rights status and direct the General Manager reply to the SWRCB letter with the recommendations from the 3/24/20 call or make different recommendations for the response. The Water Supply Planning Committee recommended that the Board direct the General Manager to respond with the recommendations from the 3/24/20 call.

EXHIBIT

14-A March 4, 2020 Letter from SWRCB



State Water Resources Control Board

FEB 27 2020

David J. Stoldt
General Manager
Monterey Peninsula Water
Management District
P.O. Box 85
Monterey, CA 93942-0085

RECEIVED

MAR 04 2020

MPWMD

Dear Mr. Stoldt:

PETITION FOR TIME EXTENSION FOR WATER RIGHT PERMIT 20808B
(APPLICATION A027614B) TO APPROPRIATE WATER FROM CARMEL RIVER AND
SUBTERRANEAN FLOW OF THE CARMEL RIVER IN MONTEREY COUNTY

PLEASE NOTE – This letter requires a response within 45 days.

You have received this letter because Monterey Peninsula Water Management District (District) is the owner of a water right permit with a pending petition for time extension on file with the State Water Resources Control Board's Division of Water Rights (Division). The Division is in the process of working to resolve its current backlog of pending water rights change petitions, including the District's petition to extend the time to complete construction under Permit 20808B. The purpose of this letter is to determine if the District is interested in pursuing the petition. If the District is interested in pursuing the petition, this letter identifies information that is required in order to continue. If this information is not received, the petition may be cancelled. Enforcement may also be considered for any unauthorized uses of water if they exist.

Background

Permit 20808 was issued to the District on December 25, 1995. It authorizes diversions in amounts not to exceed 42 cubic feet per second by direct diversion and 24,000 acre-feet per annum by storage from November 1 of each year to June 30 of the succeeding year. The original complete construction date was December 31, 2003. Order WR 98-04 extended the complete construction date to December 31, 2005. The permit was subsequently split into Permits 20808A, 20808B, and 20808C by a Division Order dated November 30, 2007 and a subsequent Order dated November 30, 2011. Permits 20808A and 20808C did not include complete construction dates, but Terms

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

Mr. Stoldt

- 2 -

FEB 27 2020

7 and 8 of Permit 20808B established December 31, 2005 as the deadline for completion of construction work and December 1, 2020 as the deadline for completing application of the water to the authorized beneficial use.

The District submitted the subject petition for extension of time for Permit 20808 to the Division on July 12, 2006. The petition was publicly noticed on October 6, 2006. Since Permits 20808A and 20808C do not identify construction completion dates, the subject petition applies only to Permit 20808B. If the petition is granted by the Division, the petition would extend the time to complete construction for Permit 20808B to December 31, 2020.

The petition received protests from Carmel River Steelhead Association, National Marine Fisheries Service, California Department for Fish and Wildlife (formerly California Department of Fish and Game), and California-American Water (Cal-Am). Cal-Am subsequently withdrew its protest. The remaining three protests have not been resolved.

The Division requested a workplan for completion of documents to satisfy CEQA for the time extension on May 8, 2008 and August 5, 2009. The District responded to these requests on September 8, 2009 directing the Division to the environmental information filed for the petition on July 25, 2006 and included additional documentation regarding CEQA for revoked Permit 7130B.

A significant amount of time has passed, and it is unclear if the District intends to continue to pursue the petition or use of water under Permit 20808B. Additionally, according to permittee reporting, the District has not put any water to beneficial use under Permit 20808B, suggesting that the project is incomplete. The deadline for the District to complete beneficial use under Permit 20808B is December 1, 2020. Without constructed diversion and conveyance works nor water put to beneficial use by the deadlines, Permit 20808B may be subject to statutory revocation by the State Water Board for lack of diligence in pursuing the project authorized by the permit. The current petition to amend the construction completion date would not address the deadline for applying water diverted under Permit 20808B to beneficial use.

Required Information

Within **45 days** from the date of this letter, please submit a written response to the division addressing the following:

- Whether the District still intends to pursue its time extension petition to complete construction or if it intends to withdraw its time extension petition.
- If the District intends to pursue the time extension to complete construction, indicate if it will also be filing a time extension to complete beneficial use.

Mr. Stoldt

- 3 -

Additional information may be required once we have a better understanding of the District's intentions regarding the pending petition. If you need additional time to produce the requested information, please include a request for additional time within 45 days from the date of this letter identifying the reason why additional time is needed. Additionally, if you believe any information identified in this letter or the petition on file is incorrect or out of date, please include any updates or corrections, including a description of why you are correcting the information along with copies of any relevant documents or records. Please note that this petition is subject to an annual petition fee of \$1,000 plus \$0.40 per each acre foot of the face value of the right, up to a maximum of \$10,000. The fee will not be applicable in subsequent years if the petition is cancelled.

If we do not receive a response within 45 days from the date of this letter, the Division may cancel the District's petition and may proceed to license the permit using the existing date for putting water to beneficial use. Failure to respond to this letter may also be considered as a lack of diligence in pursuing the permit, which would inhibit approval of this or any future time extension requests.

Thaddeus Hunt is the staff person presently assigned to update your records and he may be contacted at (916) 341-5007 or Thaddeus.Hunt@waterboards.ca.gov. Written correspondence or inquiries may be sent by email to Mr. Hunt or addressed as follows: State Water Resources Control Board, Division of Water Rights, Attn: Thaddeus Hunt, P.O. Box 2000, Sacramento, CA, 95812-2000. Please include the application or permit number associated with the petition on any correspondence.

Sincerely,



Sam Boland-Brien, Program Manager
Petition, Licensing and Registration Section
Division of Water Rights

ITEM: ACTION ITEM**15. CONSIDER DEVELOPMENT OF POLICY ON OPTION TO REFUSE SMART WATER METER INSTALLATION**

Meeting Date:	April 20, 2020	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: At its January 2019 meeting, the Board considered its regulatory position with respect to Advanced Metering Infrastructure (AMI), or smart meters, by receiving a memorandum prepared by District Counsel DeLay & Laredo, attached as **Exhibit 15-A**.

In its current General Rate Case (GRC) filing for years 2021-2023, California American Water (Cal-Am) has requested a full AMI program for its Ventura and Central Divisions, including Monterey. The District has supported AMI because of the potential to provide customers greater information and control over their water usage. There are other benefits including meter accuracy, high usage alerts, lower meter reading costs, and backflow and theft detection.

Some customers have expressed concerns about these types of meters and do not want to participate. During pilot studies, one pilot was designed as an “opt-in” rather than “opt-out”, which reduced customer participation. Hence, District staff supports an opt-out program in order to achieve greater customer participation.

As part of the GRC Cal-Am is asking to be authorized to implement an opt-out program and to recover the costs of opting out from those customers choosing to do so. That is similar to what the Public Utilities Commission (CPUC) authorized for energy utilities in 2014. Cal-Am is proposing opt-out customers be charged an initial fee of \$70.00 and a monthly charge of \$13.00 per month to not participate in AMI. The upfront costs were based on service order drive time and service time and an average meter technician rate. The monthly costs are based on the costs to manually read the opt-out meters.

RECOMMENDATION: The General Manager recommends the Board of Directors reaffirm the District’s position for a full opt-out AMI program in the Monterey system, but discuss and decide if it should promote a policy in the District’s GRC testimony as to who should bear the cost burden of the opt-out.

EXHIBIT**15-A District Counsel Memorandum on Smart Meters, January 2019**

 **De LAY & LAREDO**
ATTORNEYS AT LAW

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

Email: fran@laredolaw.net

January 7, 2019

TO: MPWMD Board of Directors

FROM: David C. Laredo, General Counsel

RE: Memorandum on Smart Meters

This memo provides an overview of California's policy efforts toward energy efficiency and the expansion of Advanced Metering Infrastructure (AMI) including the installation of Smart Meters. The early activity was focused on the energy utilities; water utilities followed later.

I. Background

In 2002, the California Public Utilities Commission (Commission or CPUC) opened Rulemaking (R.) 02-06-001 "as a policymaking forum to develop demand response as a resource to enhance electric system reliability, reduce power purchase and individual consumer costs, and protect the environment."¹

By 2005, Pacific Gas and Electric Company (PG&E) filed Application (A.) 05-06-028 to deploy Advanced Metering Infrastructure (AMI).² Since PG&E provides electric and gas service to California-American Water Company's (Cal-Am) Monterey Water District, this memo focuses initially on Commission AMI proceedings with PG&E.

II. PG&E's AMI Implementation

PG&E's proposed system-wide deployment of AMI was estimated to take five years. It filed A.05-06-028 on June 16, 2005 and subsequently revised it on October 13, 2005. AMI includes metering and communications infrastructure together with computerized systems and software. A wireless smart

¹ R.02-06-001, *Order Instituting Rulemaking on policies and practices for advanced metering, demand response, and dynamic pricing*, filed June 6, 2002. The Rulemaking was closed by Decision (D.) 05-11-009 dated November 18, 2005. Pacific Gas and Electric Company (PG&E) was one of the investor owned utilities named as a respondent in the proceeding.

² A.05-06-028, *Application of Pacific Gas and Electric Company for Authority to Increase Revenue Requirements to Recover the Costs to Deploy an Advanced Metering Infrastructure*.

meter transmits customer usage data through radio transmission. For evaluation purposes, PG&E had to show the likelihood of long-term benefits from utility operating cost savings as well as demand response and consumer energy consumption management potential.

PG&E's technology provides two-way communications to each customer's meter. It also allows other functions including direct polling to the meter by PG&E which can assist in completing customer service related requests. It also has the potential for direct communication with in-home devices like thermostats and load control switches.

AMI module-equipped meters provide significant operating data and consumption data with applications in demand forecasts, service-related issues, and rate design. The useful life of the system was determined to be 20 years. PG&E was authorized to proceed with AMI implementation in D.06-07-027 on July 20, 2006.

A. Addition of an Opt-Out Option

In 2011, PG&E applied to the Commission for a modification to its "SmartMeter™" Program to include an opt-out option.³ In Phase 1 of the proceeding, the Commission determined the option was available only to residential customers who, *for whatever reason*, preferred an analog meter. To cover the costs of this service, interim fees and charges were authorized.

B. FCC Exposure Limits

As part of the record in Phase 1, PG&E produced a response from the FCC which sets exposure limits for radio frequency (RF) fields. FCC standards are derived from recommendations by the Institute of Electrical and Electronics Engineers, Inc. and the National Council on Radiation Protection and Measurements, as well as by the U.S. Environmental Protection Agency, the Food and Drug Administration, and other federal health and safety agencies. These scientists and engineers have extensive experience and knowledge in the area of RF biological effects and related issues.

In the case of PG&E's SmartMeters, the FCC had no data or report to suggest that exposure was occurring at levels of RF energy that exceed their RF exposure guidelines.⁴ The Commission further noted that the issue of whether RF emissions from SmartMeters "have an effect on individuals is outside the scope of this proceeding."⁵

C. Analog Meter Opt-Out Option

The Commission balanced the customer concerns about exposure to RF transmissions with California's energy policy that required investor owned utilities (IOU) to replace analog meters with smart meters "to give consumers greater control over their energy use."⁶

Only analog meters were authorized for customers exercising the opt-out option. An initial fee plus monthly charges for a period of three years were authorized to cover the anticipated costs.

³ A.11-03-014, *Application of Pacific Gas and Electric Company for Approval of Modifications to its SmartMeter™ Program and Increased Revenue Requirements to Recover the Costs of the Modifications. (U39M)*.

⁴ In D.10-12-001, the Commission determined that PG&E's SmartMeter technology complied with FCC requirements.

⁵ D.12-02-014, pp. 15-16.

⁶ D.12-02-014, p. 16.

D. Phase 2 Issues

Phase 2 of A.11-03-014 was limited in scope to consideration of cost and cost allocation issues associated with providing an opt-out option and whether to expand the opt-out option to allow for a community opt-out option.

1. Cost and Cost Allocation (Opt-Out Fees)

Because costs are based primarily on the number of customers who choose the analog option, results vary greatly. The Commission examined what were the utility costs associated with offering an analog meter opt-out option and whether more than one option should be offered.

The decision was to continue with the original “Initial Fee” (\$75.00)⁷ and “Monthly Charge” (\$10.00) for customers who were Non-California Alternative Rates for Energy (CARE) Customers. Reduced fees for CARE customers were \$10.00 and \$5.00 respectively. These are the same amounts that were established in D.12-02-014. Collection of the monthly charge was limited to three years from the date the opt-out was chosen. Analog meters would be read every other month. If these fees did not cover all program costs, the balance would be allocated to the residential customer class as a whole.

There was unanimous agreement among the parties that the only opt-out option would be an all-analog meter. Offering multiple meter types would have increased already high program costs. The Commission agreed with this determination.

Consideration was given to imposition of an “exit cost” or “exit fee” reflecting the costs associated with returning an opt-out customer’s meter to standard service with a smart meter. The Commission agreed with intervenors that no exit fee would be assessed on opt-out customers.

Consideration was also given to whether the opt-out fees should be assessed on a per meter or per location basis. The Commission directed that fees should be assessed on a per location basis.

2. Community Opt-Out

D.14-12-078 determined that local governments may not collectively opt out of smart meter programs on behalf of residents in their jurisdiction. Similarly, multi-unit dwellings with homeowner and condominium associations may not collectively opt-out of smart meter programs on behalf of individual residents who are members of the association.⁸

In making this determination, the Commission first examined whether it could delegate its authority to allow local governments or communities to determine what type of electric or gas meter can be installed within the government or community’s defined boundaries.

“Article XII, Section 3 of the California Constitution grants the California Legislature ‘exclusive control over the PUC’s regulation of public utilities.’ Section 8 of Article XII of the California Constitution states, ‘a city, county or other public body may not regulate matters over which the Legislature grants regulatory power to the Commission.’ Thus, the Commission holds the power to regulate public utilities, and this authority

⁷ The opt-out option was not offered prior to the installation of SmartMeters. For water utilities where no conversion to smart meters has taken place, this could reduce or eliminate the Initial Fee expense.

⁸ D.14-12-078, p. 4.

may not be delegated to another entity or public agency without statutory authorization.”⁹

In addition, the Legislature granted the Commission authority over a public utility’s infrastructure, including the installation of metering equipment.¹⁰ Thus, in the absence of statutory authority modifying this intention, only the CPUC has authority to regulate public utilities.

III. AMI for Water Utilities

As part of a rulemaking proceeding begun in 2011, the Commission provided guidance for the use of AMI for regulated investor-owned water utilities.¹¹ The Commission determined that AMI “can harness and communicate data to manage water production and purchases, identify and stop leaks, protect drinking water quality by promptly identifying backwash incidents, produce data that yield more accurate forecasts, and provide customers and water system operators timely information. Current meters do not accomplish these objectives.”¹²

The Commission’s 2016 Decision provided guidance for water IOUs’ implementation of AMI. Specifically, the Decision ordered “the commencement of a transition to the use of AMI for Class A and B water services to increase data for customer and operational use, produce conservation signals through real-time data delivery, improve water management, reduce leaks, and promote equity and sustainability.”¹³ The Monterey region was identified as an area where AMI installation was warranted.

While the Decision ordered the “commencement of a transition to the use of AMI for Class A and B water services,”¹⁴ the approach would be gradual over one or two General Rate Case (GRC) cycles. The initial targets were converting flat rate customers to metered service, replacing aging or obsolete meters, and installing AMI meters in new construction. Class A and B water IOUs were to coordinate with electric and gas IOUs that have smart meters. Customers who didn’t want analog meters replaced with AMI could request an opt-out via a process established by the water IOU.

Cal-Am’s 2016 GRC effort to implement AMI was denied in D.18-12-021, but the Commission encouraged it to make a new proposal in a future application or GRC.

IV. Conclusion

Smart meters have been installed by PG&E in the Monterey area beginning in 2006. The CPUC has exclusive jurisdiction over all utility infrastructure and delegation of this authority to other jurisdictions is prohibited without further legislative enactment. Customers who do not want smart meters can opt out for any reason or no reason, but they bear the costs for this service. Cal-Am does not yet have an approved program for district-wide AMI but could link up with PG&E’s infrastructure in the future.

⁹ Id. pp. 56-57.

¹⁰ See Public Utilities Code Section 761.

¹¹ R.11-11-008, *Order Instituting Rulemaking on the Commission’s Own Motion into Addressing the Commission’s Water Action Plan Objective of Setting Rates that Balance Investment, Conservation, and Affordability for Class A and Class B Water Utilities*.

¹² D.16-12-026, pp. 61-62.

¹³ D.16-12-026, p. 63. The AMI features respond to the Governor’s May 9, 2016 Executive Order B-37-16 that directed the CPUC to take steps to stem water leaks.

¹⁴ Id.

ITEM: INFORMATIONAL ITEM/STAFF REPORT**16. REPORT ON ACTIVITY/PROGRESS ON CONTRACTS OVER \$25,000**

Meeting Date:	April 20, 2020	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 April 14, 2020.****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 16-A**, monthly status report on contracts over \$25,000 for the period February 2020. This status report is provided for information only, no action is required.

EXHIBIT**16-A** Status on District Open Contracts (over \$25k)

EXHIBIT 16-A

137

Monterey Peninsula Water Management District Status on District Open Contracts (over \$25K) For The Period February 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 De Lay & Laredo	Measure J/Rule 19.8 CEQA Services Consultant	12/16/2019	\$ 129,928.00	\$ -		\$ -			PO02273
2 AM Conservation Group, Inc.	Conservation supplies	2/19/2020	\$ 25,815.00	\$ -		\$ -			PO02261
3 Rutan & Tucker, LLP	Rule 19.8 Eminent Domain Legal Services Phase II	12/16/2019	\$ 200,000.00	\$ -	\$ 1,648.50	\$ 1,648.50		Current period billing related to Measure J eminent domain services	PO02236
4 Norton Rose Fulbright	Cal-Am Desal Structuring & Financing Order	4/20/2015	\$ 307,103.13	\$ 38,557.29		\$ 38,557.29			PO02197
5 Pueblo Water Resources, Inc.	ASR SMWTF Engineering Services During Construction	10/21/2019	\$ 148,100.00	\$ 3,578.85	\$ 46,034.73	\$ 49,613.58		Current period billing related to ASR engineering services	PO02163
6 Specialty Construction, Inc.	ASR SMWTF Construction	10/21/2019	\$ 4,649,400.00	\$ 237,226.40	\$ 395,268.40	\$ 632,494.80		Current period billing related to ASR construction management services	PO02162
7 Psomas	ASR Construction Management Services	8/19/2019	\$ 190,280.00	\$ 12,332.00	\$ 17,385.50	\$ 29,717.50		Current period billing related to ASR construction management services	PO02160
8 U.S. Bank Equipment Finance	Copier machine leasing - 60 months	7/15/2019	\$ 52,300.00	\$ 5,288.54	\$ 867.83	\$ 6,156.37	6/30/2024	Current period billing for photocopy machine lease	PO02108
9 Monterey One Water	Supplemental EIR Costs for PWM Expansion Project	3/18/2019	\$ 750,000.00	\$ -		\$ -			PO02095
10 Monterey One Water	Pre-Construction Costs for PWM Expansion Project	11/13/2017	\$ 360,000.00	\$ 312,617.94		\$ 312,617.94			PO02094
11 Deveera Inc.	IT Managed Services	9/16/2019	\$ 46,120.00	\$ 23,060.00	\$ 4,612.00	\$ 27,672.00	6/30/2020	Current period billing for IT managed services	PO02091
12 Hayashi Wayland Accountancy Group	Audit services	6/19/2017	\$ 64,500.00	\$ 52,000.00	\$ 12,500.00	\$ 64,500.00	6/30/2020	Current period billing for auditing services	PO02075
13 Lynx Technologies, Inc	Geographic Information Systems contractual services	6/17/2019	\$ 35,000.00	\$ 14,625.00	\$ 675.00	\$ 15,300.00		Current period gis services	PO02065
14 Regional Government Services	Human Resources contractual services	6/17/2019	\$ 70,000.00	\$ 31,040.70	\$ 2,396.55	\$ 33,437.25		Current period hr services	PO02064
15 Pueblo Water Resources, Inc.	ASR operations support	7/15/2019	\$ 70,000.00	\$ 6,653.48	\$ 2,940.00	\$ 9,593.48		Current period billing related to ASR operational support services	PO02063
16 MBAS	ASR Water Quality	7/15/2019	\$ 60,000.00	\$ 25,386.75		\$ 25,386.75			PO02062
17 TBC Communications & Media	Public Outreach services retainer	6/17/2019	\$ 42,000.00	\$ 24,500.00	\$ 3,500.00	\$ 28,000.00		Current period retainer	PO02055
18 The Ferguson Group LLC	2019-20 - Legislative and Administrative Services	6/17/2019	\$ 100,000.00	\$ 56,548.34	\$ 8,327.90	\$ 64,876.24		Current period retainer	PO02028
19 John Arriaga	Contract for Legislative and Administrative Services - FY 19-20	6/17/2019	\$ 35,000.00	\$ 17,500.00	\$ 2,500.00	\$ 20,000.00		Current period retainer	PO02026
20 DUDEK	Consulting Services for Prop 1 grant proposal	4/15/2019	\$ 95,600.00	\$ 92,035.05	\$ 895.00	\$ 92,930.05		Current period billing related to Prop 1 grant proposal services	PO01986
21 Denise Duffy & Associates	Consulting Services IRWM plan update	12/17/2018	\$ 55,000.00	\$ 53,322.32		\$ 53,322.32			PO01985
22 United States Geologic Survey	Carmel River Basin Hydrologic Model	3/18/2019	\$ 75,000.00	\$ 70,877.50		\$ 70,877.50			PO01973
23 Pueblo Water Resources, Inc.	Design water treatment facilities ASR Santa Margarita	2/21/2019	\$ 300,662.00	\$ 299,684.94		\$ 299,684.94			PO01912
24 Colantuono, Highsmith, & Whatley, PC	Legal Services for MCWD vs PUC Matter for FY 2018-2019	7/1/2018	\$ 60,000.00	\$ 54,161.30		\$ 54,161.30	6/30/2020		PO01874
25 Ecology Action of Santa Cruz	IRWM HEART Grant	4/16/2018	\$ 152,600.00	\$ 86,362.33		\$ 86,362.33			PO01824
26 Pueblo Water Resources, Inc.	ASR Backflush Basin Expansion, CM services	7/16/2018	\$ 96,034.00	\$ 68,919.39		\$ 68,919.39			PO01778
27 Rural Community Assistance Corporation	IRWM DAC Needs Assessment	4/16/2018	\$ 100,000.00	\$ 61,705.57		\$ 61,705.57			PO01777

EXHIBIT 16-A

138

**Monterey Peninsula Water Management District
Status on District Open Contracts (over \$25K)
For The Period February 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
28	Mercer-Fraser Company	Sleepy Hollow Intake upgrade project	7/16/2018	\$ 1,802,835.00	\$ 1,631,080.87		\$ 1,631,080.87		PO01726
29	Fort Ord Reuse Authority	ASR Backflush basin expansion project UXO support	7/16/2018	\$ 55,215.00	\$ 5,005.64		\$ 5,005.64		PO01686
30	Pueblo Water Resources, Inc.	ASR operations support	1/24/2018	\$ 70,000.00	\$ 68,652.56		\$ 68,652.56		PO01645
31	Pueblo Water Resources, Inc.	Seaside Groundwater Basin Geochemical Study	1/24/2018	\$ 68,679.00	\$ 36,795.25		\$ 36,795.25		PO01628
32	Big Sur Land Trust	Update of the IRWMP Plan	4/16/2018	\$ 34,000.00	\$ 12,305.67		\$ 12,305.67		PO01620
33	Pueblo Water Resources, Inc.	SSAP Water Quality Study	8/21/2017	\$ 94,437.70	\$ 44,318.11		\$ 44,318.11		PO01510
34	Normandeau Associates, Inc.	Assistance with IFIM Study	11/13/2017	\$ 35,000.00	\$ 24,050.00		\$ 24,050.00		PO01509
35	Accela Inc.	Acquisition of Water Demand Database System	11/13/2017	\$ 676,377.00	\$ 669,227.81		\$ 669,227.81	6/30/2020	PO01471
36	Balance Hydrologics, Inc	Design Work for San Carlos Restoration Project	6/19/2017	\$ 51,360.00	\$ 50,894.32		\$ 50,894.32		PO01321
37	AECOM Technical Services, Inc.	Los Padres Dam Alternatives Study	1/25/2017	\$ 700,700.00	\$ 505,766.50		\$ 505,766.50		PO01268
38	Denise Duffy & Assoc. Inc.	MMRP Services for Monterey Pipeline	1/25/2017	\$ 80,000.00	\$ 73,144.06		\$ 73,144.06		PO01202
39	Goodin,MacBride,Squeri,Day,Lamprey	User Fee PUC Proceedings Legal Fee	7/1/2016	\$ 50,000.00	\$ 33,411.85		\$ 33,411.85	6/30/2020	PO01100
40	Whitson Engineers	Carmel River Thawleg Survey	9/19/2018	\$ 52,727.43	\$ 49,715.00		\$ 49,715.00		PO01076
41	HDR Engineering, Inc.	Los Padres Dam Fish Passage Study	4/18/2016	\$ 310,000.00	\$ 295,003.20		\$ 295,003.20		PO01072
42	Michael Hutnak	GS Flow Modeling for Water Resouces Planning	8/19/2013	\$ 56,800.00	\$ 55,940.00		\$ 55,940.00		PO00123
43	Justin Huntington	GS Flow Modeling for Water Resouces Planning	8/19/2013	\$ 59,480.00	\$ 53,918.98		\$ 53,918.98		PO00122

ITEM: INFORMATIONAL ITEM/STAFF REPORT**17. STATUS REPORT ON MEASURE J/RULE 19.8 PHASE II SPENDING**

Meeting Date:	April 20, 2020	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 April 14, 2020.****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 17-A**, monthly status report on Measure J/Rule 19.8 Phase II spending for the period February 2020. This status report is provided for information only, no action is required.

EXHIBIT**17-A Status on Measure J/Rule 19.8 Spending**

**Monterey Peninsula Water Management District
Status on Measure J/Rule 19.8 Spending Phase II
For the Period February 2020**

	Contract	Date Authorized	Contract Amount	Prior Period Spending	Current Period Spending	Total Expended To Date	Spending Remaining	Project No.
1	Eminent Domain Legal Counsel	12/16/2019	\$ 225,000.00	\$ -	\$ 1,648.50	\$ 1,648.50	\$ 223,351.50	PA00005-01
2	CEQA Work	12/16/2019	\$ 450,000.00	\$ -	\$ -	\$ -	\$ 450,000.00	PA00005-02
3	Appraisal Services	12/16/2019	\$ 200,000.00	\$ -	\$ -	\$ -	\$ 200,000.00	PA00005-03
4	Operations Plan	12/16/2019	\$ 145,000.00	\$ -	\$ -	\$ -	\$ 145,000.00	PA00005-04
5	District Legal Counsel	12/16/2019	\$ 40,000.00	\$ 1,176.00	\$ 12,240.02	\$ 13,416.02	\$ 26,583.98	PA00005-05
6	MAI Appraiser	12/16/2019	\$ 35,000.00	\$ -	\$ -	\$ -	\$ 35,000.00	PA00005-06
7	Jacobs Engineering	12/16/2019	\$ 87,000.00	\$ -	\$ -	\$ -	\$ 87,000.00	PA00005-07
6	Contingency/Miscellaneous	12/16/2019	\$ 59,000.00	\$ -	\$ -	\$ -	\$ 59,000.00	PA00005-20
	Total		\$ 1,241,000.00	\$ 1,176.00	\$ 13,888.52	\$ 15,064.52	\$ 1,225,935.48	

ITEM: INFORMATIONAL ITEM/STAFF REPORT**18. MONTHLY PROGRESS REPORT – SANTA MARGARITA WATER TREATMENT FACILITY****Meeting Date:** April 20, 2020 **Budgeted:** N/A**From:** David J. Stoldt
General Manager **Program/** N/A
Line Item:**Prepared By:** Maureen Hamilton **Cost Estimate:** N/A**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee reviewed this item on April 14, 2020.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378.**SUMMARY:** This progress report is provided for information only, no action is required.

Work conducted after the previous progress report:

- Continued Concrete Masonry Unity block installation.
- Door frames installed.
- Developed underground pipe installation plan and received materials.
- Seventy-six submittals have been received; sixty-seven of those submittals have been closed.
- Three change orders totaling \$15,757 have been accepted.
 - Traffic rated meter vault (\$4,074.90)
 - Rigid steel 90s (\$4,445.36)
 - Double door (\$7,236.69)
- Two field orders have been issued on a Not-to-Exceed (NTE) basis. The Expenditures table will be updated when the actual cost is invoiced.
 - Extended potholing, NTE \$5,000
 - Excess stockpile relocation, NTE \$5,000
- The approved baseline construction schedule shows the facility will be ready for Cal Am to conduct its SCADA installation and implementation beginning July 23, 2020. The schedule completion date is acceptable based on the Pure Water Monterey delivery schedule. The baseline executive schedule is provided in **Exhibit 18-A**.

EXPENDITURES:

	Board Authorization	Commitments	Remaining
Base Contract	\$4,797,500.00	\$826,994.00 (19%) ¹	4,165,002.20
Contingency (10%) ¹	\$479,750.00	\$15,757.00 (0.3%) ¹	\$463,993.00 (9.7%)

¹ Percent of base contract

EXHIBIT
18-A Baseline CPM Executive Schedule

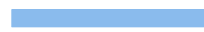
U:\staff\Boardpacket\2020\20200420\InfoItems\18\Item-18.docx

Santa Margarita Chemical Building Executive Schedule Baseline



Project: Executive Schedule
Date: Wed 4/8/20

Task



Task Summary



Critical



ITEM: INFORMATIONAL ITEM/STAFF REPORT**19. LEGISLATIVE TRACKING UPDATE**

Meeting Date: April 20, 2020 **Budgeted:** N/A

From: David J. Stoldt,
General Manager **Program/** N/A
Line Item No.:

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: Attached as **Exhibit 19-A** is an overview of the California bills being considered during this legislative session. At the March 24, 2020 Legislative Advocacy Committee JEA & Associates provided an oral presentation and the Committee identified several bills for priority, which have been marked in the Exhibit.

EXHIBIT**19-A MPWMD Legislative Track**

MPWMD Legislative Track 3-24-20

Measure	Author	Topic	Brief Summary	Position
<u>AB 1839</u>	<u>Bonta</u> D	Climate change: California Green New Deal.	Current law establishes various environmental and economic policies. This bill would create the California Green New Deal Council with a specified membership appointed by the Governor. The bill would require the California Green New Deal Council to submit a specified report to the Legislature no later than January 1, 2022. The bill also would make various findings and declarations.	WATCH
<u>AB 1936</u>	<u>Rodriguez</u> D	Price gouging: public safety power shutoffs.	Under current law, upon the proclamation of a state of emergency, as defined, by the President of the United States or the Governor, or upon the declaration of a local emergency, as defined, by the executive officer of any county, city, or city and county, and for a specified period following the proclamation or declaration of emergency, it is a misdemeanor with specified penalties for a person, contractor, business, or other entity to sell or offer to sell certain goods and services for a price that exceeds by 10% the price charged by that person immediately prior to the proclamation or declaration of emergency, except as specified. This bill would apply the price gouging prohibition and penalties described above upon an announcement of a public safety power shutoff, as defined, by an official, board, or other governing body authorized to make that announcement in any county, city, or city and county	
<u>AB 1958</u>	<u>Cooper</u> D	State Plan of Flood Control: facilities.	Would prohibit a person from concealing, defacing, destroying, modifying, cutting, altering, or physically or visually obstructing any levee along a river or bypass at any of those specified places, any levee forming part of any flood control plan, or any other facility of the State Plan of Flood Control, including, but not limited to, any and all associated rights of way, without permission of the board. By expanding the behavior that would be punishable as a misdemeanor, the bill would impose a state-mandated local program.	
<u>AB 2060</u>	<u>Holden</u> D	Drinking water: pipes and fittings: lead content.	Would define "lead free," for purposes of manufacturing, industrial processing, or conveying or dispensing water for human consumption, to mean not more than one microgram of lead under certain tests and meeting a specified certification when used with respect to end-use devices.	
<u>AB 2093</u>	<u>Gloria</u> D	Public records: writing transmitted by electronic mail: retention.	Would, unless a longer retention period is required by statute or regulation, or established by the Secretary of State pursuant to the State Records Management Act, require a public agency, for purposes of the California Public Records Act, to retain and preserve for at least 2 years every public record, as defined, that is transmitted by electronic mail.	OPPOSE
<u>AB 2182</u>	<u>Rubio, Blanca</u> D	Emergency backup generators: water and wastewater facilities: exemption.	Would exempt the operation of an alternative power source, as defined, to provide power to a critical facility, as defined, from any local, regional, or state regulation regarding the operation of that source. The bill would authorize providers of essential public services, in lieu of compliance with applicable legal requirements, to comply with the maintenance and testing procedure set forth in the National Fire Protection Association Standard for Emergency and Standby Power System, NFPA 110, for alternative power sources designated by the providers for the support of critical facilities.	
<u>AB 2438</u>	<u>Chau</u> D	California Public Records Act: conforming revisions.	The California Public Records Act requires state and local agencies to make their records available for public inspection, unless an exemption from disclosure applies. This bill would enact various conforming and technical changes related to another bill that recodifies and reorganizes the California Public Records Act. The bill would only become operative if the related bill recodifying the act is enacted and becomes operative on January 1, 2022.	
<u>AB 2482</u>	<u>Stone, Mark</u> D	Agriculture: environmental	Would require the Department of Food and Agriculture, upon appropriation by the Legislature of additional funds, to administer the State Water Efficiency and Enhancement Program (grant program) to provide grants to	SUPPORT

EXHIBIT 19-A

150

		farming programs and grants.	agricultural operations to implement irrigation systems that reduce greenhouse gases and energy use and increase water use efficiency, as prescribed. The bill would also require the department to fund culturally competent training on irrigation and nutrient management, authorize the department to contract with qualified third parties to measure grant program outcomes, and require the department to adopt guidelines for the grant program.	
<u>AB 2619</u>	<u>Stone, Mark D</u>	Coastal resources: Program for Coastal Resilience, Adaptation, and Access.	Would establish the Program for Coastal Resilience, Adaptation, and Access for the purpose of funding specified activities intended to help the state prepare, plan, and implement actions to address and adapt to sea level rise and coastal climate change. The bill would create the Coastal Resilience, Adaptation, and Access Fund in the State Treasury, and would authorize the California Coastal Commission and specified state agencies to expend moneys in the fund, upon appropriation in the annual Budget Act, to take actions, based upon the best scientific information, that are designed to address and adapt to sea level rise and coastal climate change, as prescribed.	WATCH
<u>AB 2659</u>	<u>Chen R</u>	Public agencies: information practices.	The Information Practices Act of 1977 prescribes a set of requirements, prohibitions, and remedies applicable to public agencies, as defined, with regard to their collection, storage, and disclosure of personal information. The act specifically requires an agency to establish rules of conduct for persons involved in the design, development, operation, disclosure, or maintenance of records containing personal information and to instruct these people with respect to the rules and the requirements of the act. This bill would require that the above-described rules of conduct include security awareness and training policies and procedures.	
<u>AB 2676</u>	<u>Quirk D</u>	California Public Records Act: exemptions.	Current law exempts from disclosure critical infrastructure information, as defined, that is voluntarily submitted to the Office of Emergency Services for use by that office, including the identity of the person who or entity that voluntarily submitted the information. Current law defines “voluntarily submitted” for that purpose. This bill would remove the restriction that the submission be voluntary, thereby expanding that exemption.	
<u>AB 2706</u>	<u>Fong R</u>	California Environmental Quality Act: record of proceedings.	In an action or proceeding alleging the lead agency violated CEQA, CEQA requires the lead agency to prepare and certify the record of proceedings and requires the parties to pay any reasonable costs or fees imposed for the preparation of the record of proceedings, as specified. CEQA authorizes the plaintiff or petitioner to elect to prepare the record of proceedings or for the parties to agree to an alternative method of preparation of the record of proceedings, subject to certification of its accuracy by the public agency. This bill would make the above authorization for the plaintiff or petitioner to elect to prepare the record of proceedings or to agree to an alternative method of record preparation inapplicable in a proceeding challenging a project that will be exclusively located or implemented in a county with fewer than 1,000,000 residents and, if the project is located in a city within that county, the city has fewer than 500,000 residents.	
<u>AB 2748</u>	<u>Fong R</u>	Public agencies: information practices.	Would require a public agency subject to the Information Practices Act of 1977 to collect the least amount of personal information required to fulfill the purposes of its collection. The bill also would require an agency able to fulfill its requirements by collecting nonpersonal information instead of personal information to do so.	
<u>AB 2987</u>	<u>Flora R</u>	Local agency public contracts: bidding procedures.	The Uniform Public Construction Cost Accounting Act authorizes a public agency to elect to become subject to uniform construction cost accounting procedures. The act authorizes bidding procedures for public projects, as specified. Those bidding procedures include procedures for the publication or posting and electronic transmission of notice inviting formal bids. This bill would authorize a public agency, as an alternative to the publication or posting requirement, to meet the notice inviting formal bids requirement by transmitting notice electronically, as specified, and publishing the notice electronically in a prescribed manner on the public agency’s internet website at least 14 calendar days before the date of opening the bids.	
<u>AB 3256</u>	<u>Garcia, Eduardo D</u>	Climate risks: bond measure.	The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, approved by the voters as Proposition 68 at the June 5, 2018, statewide direct primary election, authorizes the issuance of bonds in the amount of \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. This bill would state the intent of the Legislature to enact a bond measure that would address climate risks to the State of California.	

EXHIBIT 19-A

151

<u>SB 797</u>	<u>Wilk R</u>	Water resources: permit to appropriate: application procedure.	Current law requires the State Water Resources Control Board to issue and deliver a notice of an application as soon as practicable after the receipt of an application for a permit to appropriate water that conforms to the law. Current law allows interested persons to file a written protest with regard to an application to appropriate water and requires the protestant to set forth the objections to the application. Current law declares that no hearing is necessary to issue a permit in connection with an unprotested application, or if the undisputed facts support the issuance of the permit and there is no disputed issue of material fact, unless the board elects to hold a hearing. This bill, if the board has not rendered a final determination on an application for a permit to appropriate water within 30 years from the date the application was filed, would require the board to issue a new notice and provide an opportunity for protests before rendering a final determination, with specified exceptions.	
<u>SB 931</u>	<u>Wieckowski D</u>	Local government meetings: agenda and documents.	The Ralph M. Brown Act requires meetings of the legislative body of a local agency to be open and public and also requires regular and special meetings of the legislative body to be held within the boundaries of the territory over which the local agency exercises jurisdiction, with specified exceptions. Current law authorizes a person to request that a copy of an agenda, or a copy of all the documents constituting the agenda packet, of any meeting of a legislative body be mailed to that person. This bill would require a legislative body to email a copy of the agenda or a copy of all the documents constituting the agenda packet if so requested. By requiring local agencies to comply with these provisions, this bill would impose a state-mandated local program.	
<u>SB 946</u>	<u>Pan D</u>	Local Flood Protection Planning Act: local flood protection plans.	Current law authorizes a local agency to prepare a local plan of flood protection and prescribes that a plan include, among other components, a strategy to meet the urban level of flood protection, an emergency response and evacuation plan for flood-prone areas, and an identification of current and future flood corridors. This bill would require a local plan of flood protection to also include an identification of current and future weirs, bypasses, and other appurtenances.	
<u>SB 996</u>	<u>Portantino D</u>	State Water Resources Control Board: Constituents of Emerging Concern Program.	Would require the State Water Resources Control Board to establish by an unspecified date and then maintain an ongoing, dedicated program called the Constituents of Emerging Concern Program to support and conduct research to develop information and, if necessary, provide recommendations to the state board on constituents of emerging concern in drinking water that may pose risks to public health. The bill would require the state board to establish the Stakeholder Advisory Group and the Science Advisory Panel, both as prescribed, to assist in the gathering and development of information for the program, among other functions. The bill would require the program to provide opportunities for public participation, including conducting stakeholder meetings and workshops to solicit relevant information and feedback for development and implementation of the program.	
<u>SB 1028</u>	<u>Dodd D</u>	Agriculture: Cannella Environmental Farming Act of 1995: Environmental Farming Incentive Program.	Would require the Advisory Panel on Environmental Farming to assist government agencies to incorporate the conservation of natural resources and ecosystem services practices into agricultural programs. The bill would require the Department of Food and Agriculture, with advice from the panel, to establish and administer the California Environmental Farming Incentive Program, subject to an appropriation by the Legislature. The bill would require the program to support on-farm practices seeking to optimize environmental benefits while supporting the economic viability of California agriculture by providing incentives, educational materials, and outreach to farmers or ranchers who want to pursue adopting management practices that contribute to wildlife habitat and result in on-farm activities that provide multiple conservation benefits, as specified.	WATCH
<u>SB 1052</u>	<u>Hertzberg D</u>	Water quality: municipal wastewater agencies.	Would establish municipal wastewater agencies and would authorize a municipal wastewater agency, among other things, to enter into agreements with entities responsible for stormwater management for the purpose of managing stormwater and dry weather runoff, to acquire, construct, expand, operate, maintain, and provide facilities for specified purposes relating to managing stormwater and dry weather runoff, and to levy taxes, fees, and charges consistent with the municipal wastewater agency's existing authority in order to fund projects undertaken pursuant to the bill. The bill would require the exercise of any new authority granted under the bill to comply with the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.	
<u>SB 1096</u>	<u>Caballero D</u>	Water and sewer	Te California Safe Drinking Water Act provides for the operation of public water systems and imposes on the State	

EXHIBIT 19-A

152

		system corporations: consolidation of service.	Water Resources Control Board related regulatory responsibilities and duties. Current law authorizes the state board to order consolidation of public water systems where a public water system or state small water system serving a disadvantaged community consistently fails to provide an adequate supply of safe drinking water, as provided. This bill, the Consolidation for Safe Drinking Water Act of 2020, would authorize a water or sewer system corporation to file an application and obtain approval from the commission through an order authorizing the water or sewer system corporation to consolidate with a public water system or state small water system.	WATCH
<u>SB 1099</u>	<u>Dodd D</u>	Emergency backup generators: critical facilities: exemption.	Would, consistent with federal law, require air districts to adopt a rule, or revise its existing rules, to allow critical facilities with a permitted emergency backup generator to use that emergency backup generator during a deenergization event or other loss of power, and to test and maintain that emergency backup generator, as specified, without having that usage, testing, or maintenance count toward that emergency backup generator's time limitation on actual usage and routine testing and maintenance. The bill would prohibit air districts from imposing a fee on the issuance or renewal of a permit issued for those critical facility emergency backup generators.	
<u>SB 1100</u>	<u>Atkins D</u>	Coastal resources: sea level rise.	The California Coastal Act of 1976 establishes the California Coastal Commission and provides for planning and regulation of development in the coastal zone, as defined. The act requires the commission, within 90 days after January 1, 1977, to adopt, after public hearing, procedures for the preparation, submission, approval, appeal, certification, and amendment of a local coastal program, including a common methodology for the preparation of, and the determination of the scope of, the local coastal programs, as provided. This bill would also include, as part of the procedures the commission is required to adopt, recommendations and guidelines for the identification, assessment, minimization, and mitigation of sea level rise within each local coastal program, as provided.	
<u>SB 1101</u>	<u>Caballero D</u>	Water and Climate Science Advisory Board.	Would require the Department of Water Resources to convene a Water and Climate Science Advisory Board to consist of an unspecified number of members with certain qualifications, appointed by an unspecified method, serving no more than an unspecified number of terms of unspecified length. The bill would require the board to meet an unspecified number of times per year. The bill would require the department to consult with the board when initiating, reviewing, or expanding policies or guidelines regarding impacts of climate change on water resources. The bill would require the department to establish an internal process for department review of and comment on the work of the board, which shall be made publicly available.	
<u>SB 1173</u>	<u>Durazo D</u>	Public employment: labor relations: employee information.	Current law, including the Meyers-Milias-Brown Act, the Ralph C. Dills Act, the Trial Court Employment Protection and Governance Act, the Trial Court Interpreter Employment and Labor Relations Act, and the Los Angeles County Metropolitan Transportation Authority Transit Employer-Employee Relations Act, provisions commonly referred to as the Educational Employment Relations Act, and the Higher Education Employer-Employee Relations Act, among others, regulates the labor relations of the state, the courts, and specified local public agencies and their employees. Current law requires these public employers to provide certain labor representatives with the names and home addresses of newly hired employees, as well as their job titles, departments, work locations, telephone numbers, and personal email addresses, within 30 days of hire or by the first pay period of the month following hire. Current law also requires the public employers to provide this information for all employees in a bargaining unit at least every 120 days, except as specified. This bill would impose liability on a public employer for violations of the above-described requirements if the violations occur 3 or more times in a 12-month period.	
<u>SB 1188</u>	<u>Stern D</u>	The California Water Plan.	Current law requires the Department of Water Resources to update every 5 years the plan for the orderly and coordinated control, protection, conservation, development, and use of the water resources of the state, which is known as The California Water Plan. Current law requires the department to include a discussion of various strategies in the plan update. This bill would require the department to include in the plan update, instead of a discussion of various strategies, a discussion of various strategies for increasing regional water resilience.	
<u>SB 1217</u>	<u>Dahle R</u>	Urban water use targets: indoor	Current law requires an urban retail water supplier to adopt one of specified methods for determining its urban water use target, including estimating the per capita daily water use using the sum of 55 gallons per capita daily for	

EXHIBIT 19-A

153

		residential water use.	indoor residential water use and a specified water efficiency standard for landscape irrigation use. This bill would revise that method of estimating the per capita daily water use to require an urban retail water supplier to use, instead of 55 gallons per capita daily for indoor residential water use, a standard that complies with the urban retail water supplier's own criteria for indoor residential water use.	
<u>SB 1280</u>	<u>Monning D</u>	Drinking water: consolidation and extension of service: at-risk water systems.	Would authorize the State Water Resources Control Board to order consolidation between a receiving water system and an at-risk water system, as defined, upon receipt of a petition that substantially conforms to the specified-referenced policy adopted by the state board and that is either approved by the water system's governing body or signed by at least 30% of the households served by the water system. For purposes of that provision, the bill would authorize the state board to contract with a technical assistance provider or appoint an administrator to provide information to a community regarding the petition process, to assist with the preparation of a petition, or to evaluate whether a water system is an at-risk water system.	WATCH
<u>SB 1293</u>	<u>Allen D</u>	Coastal resources: climate change: sea level rise.	Would state the intent of the Legislature to enact legislation that would protect the public and coastal resources from the threat of sea level rise and increased storm surge brought forth by climate change and that would create a revolving loan fund to allow local governments to purchase threatened coastal properties for leasing purposes.	
<u>SB 1296</u>	<u>Durazo D</u>	Natural resources: the Nature and Parks Career Pathway and Community Resiliency Act of 2020.	Current law establishes various environmental and economic policies and programs. This bill would establish the Nature and Parks Career Pathway and Community Resiliency Act of 2020, which would require state conservancies, the Wildlife Conservation Board, and the Natural Resources Agency to establish independent grant programs to support climate-beneficial and climate resiliency projects that incorporate partnerships with nonprofit organizations that provide certifications and placement services for jobs and careers in the natural resources field, as specified.	
<u>SB 1297</u>	<u>Moorlach R</u>	Public employees' retirement.	Would revise the provision of pension and other benefits to members of all state or local public retirement systems. The bill would apply its provisions prospectively to any member of a state or local public retirement system who is employed upon the date of its enactment and to any person who may be employed and become a member thereafter. The bill would void any limit on a pension that prohibits the pension from exceeding a percentage of final compensation, as specified. The bill would prohibit a local entity from establishing a deferred retirement option program, as described, and if a local entity has established a deferred retirement option program, whether or not the program is closed to new participants, it would be required to disenroll any participating employees and close the program.	
<u>SB 1329</u>	<u>Wilk R</u>	Climate change: Climate Innovation Grant Program: voluntary tax contributions.	Would establish the Climate Innovation Grant Program, to be administered by the Strategic Growth Council or another entity identified by the council that it determines to have the appropriate skills necessary to successfully implement this program. The bill would establish the Climate Innovation Fund, a special fund, in the State Treasury and would continuously appropriate the moneys in the fund to the council for purposes of the program. Once the Climate Innovation Fund accrues \$2,000,000, the bill would require the council or the entity implementing the program to notify the Franchise Tax Board and would require the program to award grants for the development and research of new innovations and technologies that either reduce emissions of greenhouse gases or address impacts caused by climate change.	
<u>SB 1348</u>	<u>Stern D</u>	Fire prevention: vegetation management: public education: grants.	Current law requires the Department of Forestry and Fire Protection to establish a local assistance grant program for fire prevention activities in the state. Current law requires that the eligible activities include, among other things, fire prevention activities, as provided. This bill would also specifically include vegetation management along roadways and driveways and public education outreach regarding home and community wildfire resistance, as provided, as part of the eligible activities, as provided.	
<u>SB 1356</u>	<u>Borgeas R</u>	Groundwater sustainability	The Sustainable Groundwater Management Act authorizes a groundwater sustainability agency to impose fees to fund the costs of a groundwater sustainability program and requires a groundwater sustainability agency to hold at	

EXHIBIT 19-A

154

		agency: financial authority.	least one public meeting prior to imposing or increasing a fee. The act requires that a groundwater sustainability agency make the data upon which the proposed fee is based publicly available at least 10 days prior to the meeting. This bill would make nonsubstantive changes to the provisions authorizing groundwater sustainability agencies to impose fees.	
<u>SB 1372</u>	<u>Monning D</u>	Wildlife corridors and connectivity: Wildlife and Biodiversity Protection and Movement Act of 2020.	Current law requires the Department of Fish and Wildlife, contingent upon funding being provided by the Wildlife Conservation Board or from other appropriate bond funds, upon appropriation by the Legislature, to investigate, study, and identify those areas in the state that are most essential as wildlife corridors and habitat linkages, as well as the impacts to those wildlife corridors from climate change, and requires the department to prioritize vegetative data development in these areas. This bill would additionally require the department to investigate, study, and identify impacts to those wildlife corridors from state infrastructure projects, including transportation and water projects, large-scale development projects not covered by an existing natural community conservation plan or habitat conservation plan, and planned or potential land conversions.	WATCH
<i>Total Measures: 36</i> <i>Total Tracking Forms: 36</i>				

ITEM: INFORMATIONAL ITEM/STAFF REPORT**20. LETTERS RECEIVED****Meeting Date:** April 20, 2020 **Budgeted:** N/A**From:** David J. Stoldt,
General Manager **Program/** N/A
Line Item No.:**Prepared By:** Arlene Tavani **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 March 7, 2020 and April 13, 2020 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.

Author	Addressee	Date	Topic
Colonel Gregory J. Ford	David J. Stoldt	3/30/2020	USAG POM's Water Credit Status
John Swendseid	MPWMD	3/20/2020	Declaration of Emergency Status for District Operations

ITEM: INFORMATIONAL ITEM/STAFF REPORT**21. COMMITTEE REPORTS**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program/ Line Item No.:	N/A
Prepared By:	Arlene Tavani	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.

Attached for your review as **Exhibits 21-A through 21-C**, are final minutes of the committee meetings listed below.

EXHIBITS

21-A March 10, 2020 Administrative Committee Meeting Minutes
21-B March 5, 2020 Water Demand Committee Meeting Minutes
21-C March 2, 2020 Water Supply Planning Committee Meeting Minutes



EXHIBIT 21-A

FINAL MINUTES Monterey Peninsula Water Management District Administrative Committee March 10, 2020

Call to Order

The meeting was called to order at 4:00 PM in the District Conference Room.

Committee members present: Jeanne Byrne – Chair
Alvin Edwards
Molly Evans

Staff present: David Stoldt, General Manager
Suresh Prasad, Administrative Services Manager/Chief Financial Officer
Jonathan Lear, Water Resources Manager
Sara Reyes, Sr. Office Specialist

Oral Communications

None

Items on Board Agenda for March 16, 2020

On a motion by Edwards and second by Evans, the committee voted to (1) adopt Items 1, 6, 7 and 8 as a single Consent Item, and (2) to approve these items as recommended by staff. The motion was approved 3 – 0 by Edwards, Evans and Byrne.

- 1. Consider Adoption of Minutes of February 13, 2020 Committee Meeting**
Approved.
- 2. Consider Expenditure of Budgeted Funds for Preparation of Analysis of Tularcitos Groundwater Basin as a Potential Future Aquifer Storage and Recovery Site**
On a motion by Edwards and second by Evans, the committee voted to recommend the Board authorize staff to enter into a new contract with Right on Q, Inc. to complete the Tularcitos Aquifer Storage and Recovery Feasibility Analysis. The motion was approved on a vote of 3 - 0 by Edwards, Evans and Byrne.
- 3. Consider Approval of Funds to Enter Into Contract with ZIM Industries to Rehabilitate ASR 1**
On a motion by Evans and second by Edwards, the committee voted to recommend the Board direct the General Manager's to enter into an agreement for \$104,460 with ZIM Industries to complete a formal rehabilitation of ASR 1. The motion was approved on a vote of 3 - 0 by Evans, Edwards and Byrne.
- 4. Consider Authorization to Contract with RJA Management Services for Facilitation of Board Strategic Planning Session**

On a motion by Evans and second by Edwards, the committee voted to recommend the Board approve the hiring of RJA Management Services to provide facilitated strategic planning services and authorize the General Manager to enter into a contract not exceeding \$12,000 inclusive of out-of-pocket expenses. The motion was approved on a vote of 3 – 0 by Evans, Edwards and Byrne.

5. Consider Authorizing General Manager to Enter into Contract for CEQA Services Related to Measure J Phase 2

At the request of General Manager Stoldt, this item will be presented to the full Board for discussion to allow legal counsel review and to provide additional information to the Board. No action was taken by the committee.

6. Declaration of Surplus Assets

Approved.

7. Consider Adoption of Treasurer’s Report for January 2020

Approved.

8. Report on Activity/Progress on Contracts Over \$25,000

Approved.

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

On a motion by Evans and second by Edwards, the Committee voted to receive the report. The motion was approved 3 – 0 by Evans, Edwards and Byrne.

10. Monthly Progress Report – Santa Margarita Water Treatment Facility

Jonathan Lear, Water Resources Manager, stated that a written update will be provided to the Board in the March 16 meeting packet.

Other Items

11. Review Draft March 16, 2020 Regular Board Meeting Agenda

No changes were made by the committee.

12. Suggest Items to be Placed on Future Agendas

No items were presented.

Adjournment

The meeting adjourned at 4:47 PM.

U:\staff\Boardpacket\2020\20200420\InfoItems\21\Item-21-Exh-A.docx



EXHIBIT 21-B

FINAL MINUTES Water Demand Committee of the Monterey Peninsula Water Management District March 5, 2020

Call to Order

The meeting was called to order at 4:00 pm in the MPWMD conference room.

Committee members present:

Alvin Edwards, Chair
Gary Hoffmann
George Riley

Committee members absent:

None

Staff members present:

David Stoldt, General Manager
Stephanie Locke, Water Demand Division Manager
Arlene Tavani, Executive Assistant

Comments from the Public:

No comments.

Action Items

1. **Consider Adoption of January 16, 2020 Committee Meeting Minutes**
On a motion by Riley and second of Hoffmann, the minutes were adopted on a vote of 2 – 1 by Riley and Edwards. Hoffmann abstained.
2. **Discuss Request from City of Monterey re Allocation for 2000 and 2600 Garden Road, Monterey**
On a motion by Riley and second of Hoffmann, the committee voted unanimously to delay consideration of this issue until the April 2, 2020 committee meeting when additional information could be provided, including updated estimates of water needed for the affordable units, and input from the other jurisdictions regarding any construction-ready project that could benefit from the reserve allocation. The motion was approved on a vote of 3 – 0 by Riley, Hoffmann and Edwards.

Public Comment: Kim Cole, Community Development Director for the City of Monterey, stated that if the City received the requested water, the 20% of affordable units could be incorporated into the projects. Without that water, only the market-rate units could be constructed. The City would meet its RHNA goals only if the affordable units were included. She advised that the projects have been through the City's approval process and need only architectural review, which could not be completed until a decision was made on inclusion of the affordable housing units. A one-month delay would be acceptable to allow time for the District to make a determination on distribution of water for the project. If the decision were delayed further, the projects would move forward without the affordable housing units.

Discussion Items

3. Follow-up on HEART Program

Staff explained that \$60,000 of grant funds remained for distribution to disadvantaged communities. However, the State of California will no longer authorize use of the funds for direct-install projects such as installation of low-flow devices at Rippling River. The City of Monterey has proposed a stormwater project in a disadvantaged community that would qualify for grant funding. Chair Edwards requested that the issue be brought forward for consideration by the Board of Directors.

4. Discuss Timeline for Board Consideration of Update to Report: *Supply and Demand for Water on the Monterey Peninsula*

General Manager Stoldt provided information on this item. A final report would be provided at the April 2, 2020 meeting. At that time the committee could make a recommendation as to when the report should be submitted to the Board of Directors for either acceptance or approval.

5. Suggest Items to be Placed on Future Agendas

Topics suggested by committee members. (a) Discuss how water would be allocated when it becomes available. Mr. Stoldt explained that the topic should be deferred until a water supply project is under construction. (b) Discuss methods for implementation of enhanced water conservation measures for non-Cal-Am water users along the Carmel River.

Adjournment: The meeting was adjourned at 5:30 pm.

U:\staff\Boardpacket\2020\20200420\InfoItems\21\Item-21-Exh-B.docx



EXHIBIT 21-C

FINAL MINUTES Water Supply Planning Committee of the Monterey Peninsula Water Management District March 2, 2020

Call to Order: The meeting was called to order at 4:00 pm.

Committee members present: George Riley, Chair
Molly Evans
Mary Adams (arrived at 4:03 pm)

Committee members absent: None

Staff members present: David J. Stoldt, General Manager
Jonathan Lear, Water Resources Division Manager
Thomas Christensen, Environmental Resources Div. Mgr.
Arlene Tavani, Executive Assistant

Comments from the Public: No comments.

Action Items

1. **Consider Adoption of February 5, 2020 Committee Meeting Minutes**
Evans offered a motion that was seconded by Riley to approve the Revised Draft Minutes of the February 5, 2020 committee meeting. The motion was approved on a unanimous vote of 3 – 0 by Evans, Riley and Adams. The Revised Draft minutes were submitted at the committee meeting with a correction to the second sentence listed under Action item 4: “.....approved on a vote of 2 – 0 1”.

Discussion Items

2. **Update on ASR Construction**
Lear presented the update. He explained that the Santa Margarita water treatment facility was expected to be completed in July to support operation of ASR wells 1, 2, 3 and 4. If the facility was not completed by the deadline, ASR 1 could operate. Full production would be underway when construction was complete and the Department of Drinking Water had issued permits for treatment of ASR 3 and 4. A summary of Lear’s report can be viewed on the District’s website.
3. **Update on Pure Water Monterey Project**
Stoldt reported that vendors were on site testing equipment to ensure all components and electronic communications are operational. Water was being drawn from shallow wells. Injection into the deep wells should be enabled by the end of the week. The

initial bid for installation of the MPRWD MV Switchgear that would enable delivery of cogeneration power between both PG&E and the advanced water purification facility did not result in a qualified contractor. The project would be put out to bid again.

4. Update on ASR Well #1 Rehabilitation

Lear reported that three quotes were received for rehabilitation of the well. The company selected was Zim Industries, which could begin work on April 6, 2020 and complete the job by June. Coordination meetings between Pueblo Water Resources, Zim and other contractors were underway.

5. Update on Los Padres Dam Alternatives Study

Christensen reported that a draft technical memorandum regarding fish passage should be submitted to staff for review in April, and those findings would be presented to the committee. He and Lear were working diligently to complete the simulated model of river flows utilizing the District's Carmel Valley Hydrologic Model, despite continued requests from NOAA to model additional descriptive statistics. The final alternatives study was scheduled for completion in Spring 2021. Stoldt warned the committee that if the California Public Utilities Commission were to grant California American Water's request to discontinue funding preparation of the study, the District could be responsible for the ongoing costs.

6. Suggest Items to be Placed on Future Agendas

The committee requested the following: (a) Continue to update the committee on status of the Pure Water Monterey Expansion project. (b) Explanation of reserve or credits used to calculate water availability represented by amounts below the CDO targets. (c) Tracking water extracted from and injected into the Seaside Groundwater Basin. (d) Relationship of Table 13 water users to water demand issues. (e) Water demand study being prepared by Marina Coast Water District.

Adjournment: The meeting was adjourned at 5:05 pm.

U:\staff\Boardpacket\2020\20200420\InfoItems\21\Item-21-Exh-C.docx

ITEM: INFORMATIONAL ITEM/STAFF REPORT**22. MONTHLY ALLOCATION REPORT**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program:	N/A
		Line Item No.:	
Prepared By:	Gabriela Bravo	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: As of March 31, 2020, a total of **17.557** acre-feet (**5.1%**) of the Paralta Well Allocation remained available for use by the Jurisdictions. Pre-Paralta water in the amount of **35.836** acre-feet is available to the Jurisdictions, and **28.839** acre-feet is available as public water credits.

Exhibit 22-A shows the amount of water allocated to each Jurisdiction from the Paralta Well Allocation, the quantities permitted in March 2020 (“changes”), and the quantities remaining. The Paralta Allocation had one debit in March 2020.

Exhibit 22-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 22-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 22-C**.

EXHIBITS**22-A** Monthly Allocation Report**22-B** Monthly Entitlement Report**22-C** District’s Water Allocation Program Ordinances

EXHIBIT 22-A
MONTHLY ALLOCATION REPORT
Reported in Acre-Feet
For the month of March 2020

Jurisdiction	Paralta Allocation*	Changes	Remaining	PRE-Paralta Credits	Changes	Remaining	Public Credits	Changes	Remaining	Total Available
Airport District	8.100	0.000	5.197	0.000	0.000	0.000	0.000	0.000	0.000	5.197
Carmel-by-the-Sea	19.410	0.000	1.398	1.081	0.000	1.081	0.910	0.000	0.182	2.661
Del Rey Oaks	8.100	0.000	0.000	0.440	0.000	0.000	0.000	0.000	0.000	0.000
Monterey	76.320	0.000	0.245	50.659	0.000	0.030	38.121	0.000	2.300	2.575
Monterey County	87.710	0.000	10.717	13.080	0.000	0.352	7.827	0.000	1.775	12.844
Pacific Grove	25.770	0.000	0.000	1.410	0.000	0.014	15.874	0.000	0.065	0.079
Sand City	51.860	0.000	0.000	0.838	0.000	0.000	24.717	0.000	23.373	23.373
Seaside	65.450	0.167	0.000	34.438	0.079	34.359	2.693	0.000	1.144	35.503
TOTALS	342.720	0.167	17.557	101.946	0.079	35.836	90.142	0.000	28.839	82.232

Allocation Holder	Water Available	Changes this Month	Total Demand from Water Permits Issued	Remaining Water Available
Quail Meadows	33.000	0.000	32.320	0.680
Water West	12.760	0.000	9.413	3.347

* Does not include 15.280 Acre-Feet from the District Reserve prior to adoption of Ordinance No. 73.

EXHIBIT 22-B
MONTHLY ALLOCATION REPORT
ENTITLEMENTS
Reported in Acre-Feet
For the month of March 2020

Recycled Water Project Entitlements

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
Pebble Beach Co. ¹	220.630	0.250	31.302	189.328
Del Monte Forest Benefited Properties ² (Pursuant to Ord No. 109)	144.370	0.949	56.951	87.419
Macomber Estates	10.000	0.000	10.000	0.000
Griffin Trust	5.000	0.000	4.829	0.171
CAWD/PBCSD Project Totals	380.000	1.199	103.082	276.918

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
City of Sand City	206.000	0.000	6.366	199.634
Malpaso Water Company	80.000	0.058	16.418	63.582
D.B.O. Development No. 30	13.950	0.000	3.740	10.210
City of Pacific Grove	38.390	0.000	0.691	37.699
Cypress Pacific	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 22-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 REPORTS**23. WATER CONSERVATION PROGRAM REPORT**

Meeting Date: April 20, 2020 **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 often 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 **43** property transfers that occurred between March 1, 2020, and March 31, 2020, were added to the database.

B. Certification

The District received **78** WCCs between March 1, 2020, and March 31, 2020. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

C. Verification

From March 1, 2020, to March 31, 2020, **53** properties were verified compliant with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **53** verifications, **47** properties verified compliance by submitting certification forms and/or receipts. District staff completed **12** Site inspections. Of the **12** properties inspected, **6 (50%)** passed inspection. **None** of the properties that passed inspection involved more than one visit to verify compliance with all water efficiency standards.

Note that inspections were suspended March 13, 2020, due to concerns about the novel coronavirus. Staff has continued to certify properties electronically through owner certification.

Savings Estimate

Water savings from HET retrofits triggered by Rule 144 verified from March 1, 2020, to March 31, 2020, are estimated at **0.140** Acre-Foot annually (AFA). Water savings from retrofits that exceeded the requirement (i.e., HETs to Ultra High Efficiency Toilets) is estimated at **0.100** AFA (5 toilets). Year-to-date estimated savings from toilet retrofits is **1.220** AFA.

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 being sent notification of the requirements and a date that inspectors will be on Site to check the property. In March, District inspectors performed **17** inspections. Of the **17** inspections certified, **five** were in compliance. **None** of the properties that passed inspection involved more than one visit to verify compliance with all water efficiency standards; the remainder complied without a reinspection.

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, however, 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 March 2020, MPWMD referred **12** 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 or 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

As of 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 **51** Water Permits from March 1, 2020 to March 31, 2020. **Nine** Water Permits were issued using Water Entitlements (Pebble Beach Company, Malpaso Water, etc.). **One** Water Permit involved a debit to a Public Water Credit Account.

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. All Water Permit recipients with property supplied by a California American Water Distribution System will continue to be provided with the disclaimer.

District Rule 24-3-A allows the addition of a second bathroom in an existing Single-Family Dwelling on a Single-Family Residential Site. Of the **51** Water Permits issued from March 1, 2020 to March 31, 2020, **one** was issued under this provision.

B. Permit Compliance

District staff completed **32** Water Permit final inspections during March 2020. **Five** of the final inspections failed due to unpermitted fixtures. Of the **32** inspected properties, **9** passed inspection on the first visit. In addition, **three** pre-inspections were conducted in response to Water Permit applications received by the District.

Site inspections ceased on March 13, 2020. Staff is issuing conditional finals to allow occupancy during the pandemic. Inspections will be scheduled when the situation improves.

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. District staff provided Notary services for **54** Water Permits with 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

Due to the transission to Shelter in Place, the rebate program report is not available for the month of March. The March/April information will be provided in the May board packet.

ITEM: INFORMATIONAL ITEM/STAFF REPORT**24. CARMEL RIVER FISHERY REPORT FOR MARCH 2020****Meeting Date:** April 20, 2020 **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: After the driest February on record with 0.0 inches of rain, the storms finally arrived in March with 19 days of measurable precipitation. Mainstem flows were close to the long-term averages the second half of the month, and passage conditions improved from “poor to good” for adult steelhead and from “fair to excellent” for smolts. Rearing conditions for juveniles also improved to “excellent”.

March’s mean daily streamflow at the Sleepy Hollow Weir rose from 39 to 181 cubic-feet-per-second (cfs) (monthly mean 80.0 cfs) resulting in 4,920 acre-feet (AF) of runoff. Mean daily streamflow at the Highway 1 gage rose from 37 to 153 cfs (monthly mean 80.9 cfs) resulting in 4,980 acre-feet (AF) of runoff.

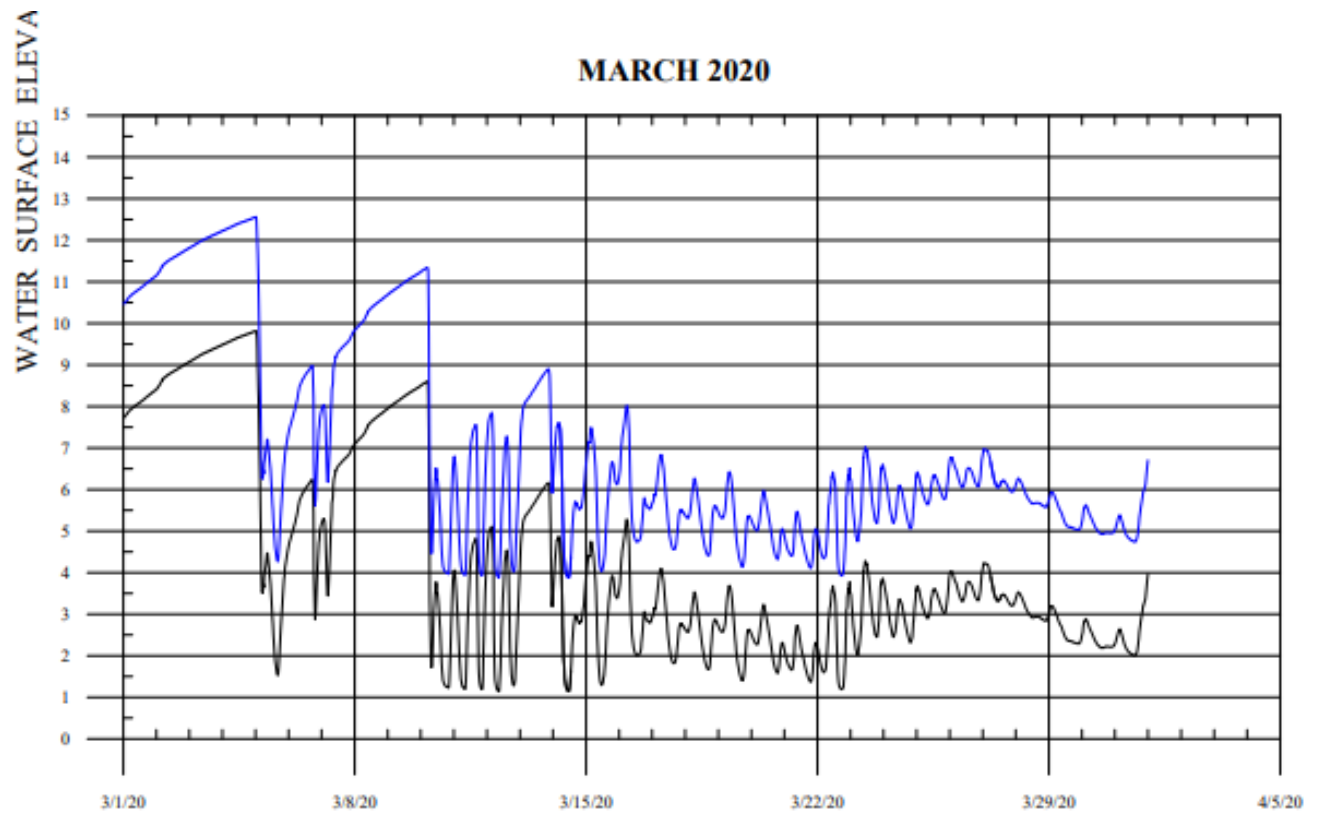
There were 3.94 inches of rainfall in March as recorded at the San Clemente gauge. The rainfall total for WY 2020 (which started on October 1, 2019) is 15.42 inches, or 82% of the long-term year-to-date average of 18.81 inches.

LOS PADRES DAM ADULT STEELHEAD COUNT: The Los Padres Dam fish ladder and trap started operating on December 12, 2019. The ladder was turned on and off intermittently since mid-February due to continued movement of the large landslide in the reservoir that is affecting the outlet pipe. As of March 31, 21 adult steelhead have been trapped and transported above the dam, seven of those were tagged by National Marine Fisheries Service (NMFS) crews.

CARMEL RIVER LAGOON: The lagoon mouth opened on December 3, 2019. The lagoon’s water surface elevation (WSE) was variable in February, with several brief closings primarily from wave and tidal action, ranging from ~4.0 – 12.5 feet (North American Vertical Datum of 1988; NAVD 88) (See graph below).

Water quality depth-profiles were not conducted in March due to the Covid-19 shutdown but a spot check on March 13th, when the lagoon was closed, found excellent DO and temperature levels and moderate salinity.

Carmel River Lagoon Plot:



ITEM: INFORMATIONAL ITEMS/STAFF REPORTS**25. QUARTERLY CARMEL RIVER RIPARIAN CORRIDOR MANAGEMENT PROGRAM REPORT**

Meeting Date:	April 20, 2020	Budgeted:	N/A
From:	Dave Stoldt, General Manager	Program/ Line Item No.:	N/A
Prepared By:	Thomas Christensen and Larry Hampson	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: Supplemental watering of riparian mitigation plantings took place in late February and early March, but has been on hold since the rains resumed.

Water Use in Acre-Feet (AF)

January - March 2020	<u>0.20</u> AF
Year-to-date	0.20 AF

MONITORING OF RIPARIAN VEGETATION: During the winter season, the District suspended the riparian vegetation monitoring program. The monitoring of soil moisture, groundwater levels, and canopy defoliation (a measure of vegetation moisture stress) will resume in June 2020. During the months of June through October, staff will take monthly measurements of depth to groundwater and canopy vigor in areas where willow and cottonwood trees may be impacted by lowered water levels caused by groundwater extraction. The areas monitored are in the vicinity of California American Water's (Cal-Am) Cañada and San Carlos wells, and the District's Valley Hills (next to Cal-Am's Cypress Well) and Schulte (next to Cal-Am's Schulte Well) Restoration Projects. The District's monitoring provides insight into the status of soil moisture through the riparian corridor by collecting and analyzing monthly readings from the District's array of monitoring wells and pumping records for large-capacity Carmel Valley wells in the Cal-Am system.

OTHER TASKS PERFORMED SINCE THE JANUARY 2020 QUARTERLY REPORT:

- 1. Carmel River Basin Hydrologic Model:** District staff continue to work on the Carmel River Basin Hydrologic Model. Multiple presentations have been given to National Marine Fisheries Service and California Department of Fish and Wildlife to help them understand model performance and how it could be used for specific water supply scenarios. Work is currently underway to run various model scenarios with regards to Los Padres Reservoir alternatives.

2. **Sleepy Hollow Intake Retrofit:** District staff have been testing various pumps and equipment at the Sleepy Hollow Steelhead Rearing Facility. All of this work is being done to get the facility ready for the fish rescue season that is expected to start in June. In addition, netting has been set up over the rearing channel to help prevent predation of young of the rear steelhead that will be placed there this summer.
3. **Steelhead Permit Reporting Requirements:** The District has been uploading steelhead rescue data from last years steelhead rescue season to state and federal databases. This reporting is required to keep the District's Scientific Collecting Permits valid as well as help regulators understand the current state of steelhead on the Carmel River.

ITEM: INFORMATIONAL ITEM/STAFF REPORT**26. MONTHLY WATER SUPPLY AND CALIFORNIA AMERICAN WATER PRODUCTION REPORT**

Meeting Date:	April 20, 2020	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 **March 1, 2020**. 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) 2020 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 **March** 2020 totaled **3.94 inches** and brings the cumulative rainfall total for WY 2020 to **15.42 inches**, which is **82%** of the long-term average through **March**. Estimated unimpaired runoff through **March** totaled **5,065 acre-feet (AF)** and brings the cumulative runoff total for WY 2020 to **28,300 AF**, which is **54%** of the long-term average through **March**. Usable storage for the MRWPRS was **31,440 acre-feet**, which is **98%** of average through **March**, and equates to **84%** 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 8,310 AF of water from the Carmel River in WY 2020. Through **March**, using the CDO accounting method, Cal-Am has produced **3,811 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 1,820 AF of water from the Coastal Subareas and 0 AF from the Laguna Seca Subarea of the Seaside Basin in WY 2020. Through **March**, Cal-Am has produced **1,164 AF** from the Seaside Groundwater Basin. Through **March**, **584 AF** of Carmel River Basin groundwater have been diverted for Seaside Basin injection; **0 AF** have been recovered for customer use, and **120 AF** have been diverted under Table 13 water rights. Cal-Am has produced **4,456 AF** for customer use from all sources through **March**. **Exhibit 26-C** 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. The 12 month moving average of production for customer service is **9,875 AF**, which is below the rationing trigger of **10,130 AF** for WY 2020.

EXHIBITS**26-A** Water Supply Status: **March 1, 2020****26-B** Monthly Cal-Am Diversions from Carmel River and Seaside Groundwater Basins: WY 2020**26-C** Monthly Cal-Am production by source: WY 2020

EXHIBIT 26-A

**Monterey Peninsula Water Management District
Water Supply Status
April 1, 2020**

Factor	Oct - Mar 2020	Average To Date	Percent of Average	Oct – Mar 2019
Rainfall (Inches)	15.42	18.81	82%	28.46
Runoff (Acre-Feet)	28,300	52,220	54%	125,578
Storage ⁵ (Acre-Feet)	31,440	31,930	98%	31,640

Notes:

1. Rainfall and runoff estimates are based on measurements at San Clemente Dam. Annual rainfall and runoff at Sleepy Hollow Weir average 21.1 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 1922-2019 and 1902-2019 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 1989-2019 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 37,639 acre-feet.

Production vs. CDO and Adjudication to Date: WY 2020

(All values in Acre-Feet)

Year-to-Date Values	MPWRS					Water Projects and Rights			
	Carmel River Basin ^{2, 6}	Seaside Groundwater Basin			MPWRS Total				Water Projects and Rights Total
		Laguna Coastal	Ajudication Seca Compliance			ASR Recovery	Table 13 ⁷	Sand City ³	
Target	3,796	1,100	0	1,100	4,896	0	114	150	264
Actual ⁴	3,811	1,018	146	1,164	4,975	0	120	64	185
Difference	-15	82	-146	-64	-79	0	-6	86	79
WY 2019 Actual	3,508	1,206	117	1,322	4,830	0	273	73	346

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, 584 AF and 120 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 2020

(All values in Acre-Feet)

	Carmel River Basin	Seaside Basin	ASR Recovery	Table 13	Sand City	Mal Paso	Total
Oct-19	505	412	0	0	0	4	921
Nov-19	524	299	0	0	0	2	825
Dec-19	391	169	0	75	0	0	635
Jan-20	533	111	0	13	10	0	667
Feb-20	632	22	0	0	27	9	689
Mar-20	498	150	0	33	27	8	716
Apr-20							
May-20							
Jun-20							
Jul-20							
Aug-20							
Sep-20							
Total	3,084	1,164	0	120	64	23	4,456
WY 2019	2,585	1,322	0	273	73	50	4,303

1. This table is produced as a proxy for customer demand.

2. Numbers are provisional and are subject to correction.

Rationing Trigger: WY 2020

12 Month Moving Average ¹	9,875	10,130	Rule 160 Production Limit
--------------------------------------	-------	--------	---------------------------

1. Average includes production from Carmel River, Seaside Basin, Sand City Desal, and ASR recovery produced for Customer Service.

California American Water Production by Source: Water Year 2020

	Carmel Valley Wells ¹						Seaside Wells ²						Total Wells			Sand City Desal		
	Actual		Anticipated ³		Compaired to Target		Actual		Anticipated		Compaired to Target		Actual	Anticipated	Acre-Feet Compaired to Target	Actual	Anticipated	Compaired to Target
	Upper acre-feet	Lower acre-feet	Upper acre-feet	Lower acre-feet	Upper acre-feet	Lower acre-feet	Coastal acre-feet	LagunaSeca acre-feet	Coastal acre-feet	LagunaSeca acre-feet	Coastal acre-feet	LagunaSeca acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
Oct-19	0	505	0	550	0	45	378	35	350	0	-28	-35	918	900	-18	0	25	25
Nov-19	0	524	0	380	0	-144	271	28	350	0	79	-28	823	730	-93	0	25	25
Dec-19	177	546	0	645	-177	99	150	20	100	0	-50	-20	892	745	-147	0	25	25
Jan-20	155	552	100	710	-55	158	92	19	100	0	8	-19	818	910	92	10	25	15
Feb-20	165	467	100	732	-65	265	0	22	100	0	100	-22	654	932	278	27	25	-2
Mar-20	188	509	100	919	-88	410	128	23	100	0	-28	-23	847	1,119	272	27	25	-2
Apr-20																		
May-20																		
Jun-20																		
Jul-20																		
Aug-20																		
Sep-20																		
To Date	684	3,104	300	3,936	-384	832	1,018	146	1,100	0	82	-146	4,952	5,336	384	64	150	86

Total Production: Water Year 2020

	Actual	Anticipated	Acre-Feet Compaired to Target
Oct-19	918	925	7
Nov-19	823	755	-68
Dec-19	892	770	-122
Jan-20	828	935	107
Feb-20	681	957	276
Mar-20	874	1,144	270
Apr-20			
May-20			
Jun-20			
Jul-20			
Aug-20			
Sep-20			
To Date	5,016	5,486	470

1. Carmel Valley Wells include upper and lower valley wells. Anticipate production from this source includes monthly production volumes associated with SBO 2009-60, 20808A, and 20808C water rights. Under these water rights, water produced from the Carmel Valley wells is delivered to customers or injected into the Seaside Groundwater Basin for storage.

2. Seaside wells anticipated production is associated with pumping native Seaside Groundwater (which is regulated by the Seaside Groundwater Basin Adjudication Decision) and recovery of stored ASR water (which is prescribed in a MOA between MPWMD, Cal-Am, California Department of Fish and Game, National Marine Fisheries Service, and as regulated by 20808C water right).

3. Negative values for Acre-Feet under target indicates production over targeted value.



Supplement to 4/20/2020 MPWMD Board Packet

Attached are copies of letters received between March 7, 2020 and April 13, 2020. These letters are listed in the April 20, 2020 Board packet under Letters Received.

Author	Addressee	Date	Topic
Colonel Gregory J. Ford	David J. Stoldt	3/30/2020	USAG POM's Water Credit Status
John Swendseid	MPWMD	3/20/2020	Declaration of Emergency Status for District Operations

U:\staff\Boardpacket\2020\20200420\LettersReceived\LettersReceived.docx



DEPARTMENT OF THE ARMY
UNITED STATES ARMY INSTALLATION MANAGEMENT COMMAND
HEADQUARTERS, US ARMY GARRISON, PRESIDIO OF MONTEREY
1759 LEWIS ROAD, SUITE 210
MONTEREY, CA 93944-3223

RECEIVED

APR 09 2020

MPWMD

March 30, 2020

Dave
Mr. David J. Stoldt
General Manager
MPWMD
P.O. Box 85
Monterey, CA 93942

Dear Mr. Stoldt:

United States Army Garrison, Presidio of Monterey (USAG POM) Garrison Staff, Mr. Robert Guidi and Ms. Erika Marx, met with Ms. Stephanie Kister of MPWMD on February 13, 2020 to discuss USAG POM's water credits status. At this meeting Mr. Guidi and Ms. Marx discovered that 6.083 acre feet annually (AFA) credits recently expired on December 22, 2019 and that, reportedly, these credits could not be reinstated. The credits, as documented in a letter dated January 23, 2011 from MPWMD to USAG POM, were to expire within a period of 120 months from December 22, 2009. Due to the inability to secure funding for future development projects at USAG POM, we were unable to apply these credits toward a permit prior to their expiration. I respectfully request that MPWMD reinstate the 6.083 AFA credits for a period of ten years to USAG POM to support mission-critical development projects which require water permits.

Additionally, MPWMD issued 7.110 AFA credits to USAG POM, as documented in a letter dated April 30, 2012. These credits expire June 1, 2021. USAG POM may be unable to apply these credits toward a water permit prior to their expiration date, again due to our inability to guarantee funding for projects by specific dates. Many of our projects are delayed for several years due to changing mission priorities or lack of funding. Therefore, I respectfully request that MPWMD grant a ten-year extension of the original expiration date for these credits so that we may apply the credits toward permits needed for mission-critical future development projects.

USAG POM is home to the Defense Language Institute Foreign Language Center (DLIFLC), which provides critical foreign language training services and skills for military service members to sustain our nation's security. Many of DLIFLC's critical facilities, such as instruction and administration buildings, are aging and in need of complete renovation. DLIFLC also requires construction of new facilities, in order to ensure the safety and well-being of the DLIFLC students and faculty, and to meet the expected increase in student population based on national security needs. USAG POM is currently in the process of finalizing its Area Development Plan (ADP), which identifies future development projects to support the needs of DLIFLC and includes such renovation and construction projects. While there are no short-range projects (0-5 years) identified in the ADP, there are

several mid-range (6-15 years) projects that will require the use of water credits, such as construction of a new General Instruction Building with 100 classrooms to allow for additional student capacity. Other projects include repurposing of several buildings into administrative support buildings to support the staff and faculty working at DLIFLC. These projects may occur sooner if funding becomes available, and it is critical that we have water credits available to obtain the necessary water permits to move forward with these projects. I understand that once expired, water credits are typically not reinstated; however, USAG POM is unable to control when funding will be issued for redevelopment projects and we must be ready to execute these projects when funding is received.

Other facilities at USAG POM provide critical services to support DLIFLC and are also in need of renovation or repurposing, and these projects are not identified in the ADP, as they may arise on an emergency or as-needed basis. As such, we must have water credits available to support these projects as well. As an example, an emergency project arose when the City of Seaside decided not to renew the USAG POM Fire Department's building lease, which expires this year. The Fire Department is now being relocated to USAG POM and will require the repurposing of an administration building into a fire station to include living quarters, which requires the use of water credits to obtain a water permit. While USAG POM currently has sufficient water credits available to support this project, other critical projects may arise in the next few years, and with our 7.110 AFA credits expiring next June, we will not have any water credits available to us at that point.

I fully understand that it is not usual for an entity to request reinstatement of expired water credits or an extension of the expiration date for water credits, and that these requests are rarely, if ever, granted by MPWMD. However, I do hope that this letter conveys the importance of having water credits available to USAG POM in order to continue supporting the needs of the DLIFLC. I welcome further discussion to ensure the Army's mission critical requirements are met while respecting and complying with MPWMD's authority to manage the Monterey Peninsula's water supplies. We look forward to your response.

The primary POC for this matter will be Ms. Erika Marx, Water Program Manager, Directorate of Public Works. Ms. Marx can be reached at (831) 242-7925 or erika.r.marx.civ@mail.mil.

Sincerely,


Gregory J. Ford
Colonel, US Army
Garrison Commander

Thanks for considering our request!

Arlene Tavani

From: Hardgrave, Sarah x7876 <HardgraveS@co.monterey.ca.us>
Sent: Friday, March 20, 2020 12:20 PM
To: Arlene Tavani; jswendseid@shermanhoward.com
Cc: 100-District 5 (831) 647-7755
Subject: RE: TODAY'S MPWMD Emergency Declaration Public Records Requests

FlwUp: -1

Dear Mr. Swendseid:

Thank you for your comments to Supervisor Adams about the MPWMD meeting that is happening right now. I am including Arlene Tavani at MPWMD in this response so that your comments can be part of the meeting record.

Sincerely,

Sarah Hardgrave
 Policy Analyst
 Office of Supervisor Mary L. Adams
 County of Monterey, District 5
 Phone: 831-647-7755

Connect with Mary

- on [Facebook](#)
- via [E-Newsletter](#)

From: Swendseid, John O. <jswendseid@shermanhoward.com>
Sent: Friday, March 20, 2020 10:03 AM
To: 100-District 5 (831) 647-7755 <district5@co.monterey.ca.us>
Subject: MPWMD Emergency Declaration Public Records Requests

[CAUTION: This email originated from outside of the County. Do not click links or open attachments unless you recognize the sender and know the content is safe.]

Dear Honorable Supervisor Adams:

I am e-mailing you about an item on the agenda for the Monterey Peninsula Water Management District today. It is a Declaration of Emergency, which is attached. I recognize (who doesn't) that an Emergency exists now. The declaration says, though, "**Because non-essential personnel must shelter in place, the District may be unable to timely respond to requests for public records, or meet other deadlines, including those under the Permit Streamlining Act**" This seems to imply that the District has determined that timely compliance with open records requests and other matters are not "Essential Government Functions" under the Health Department's Order. (Under the order, each government is able to determine its "Essential Governmental Functions and Services").

I hope the District does not determine that compliance with open records requests is not an essential governmental function. It seems to me we have to keep our democracy alive in this Emergency, and compliance with public records requests is very much a part of that. While I

recognize this is an Emergency, I urge you to remove the sentence quoted above i.e., to take out the part of the Declaration of Emergency about not timely complying with public records requests, and continue to have staff work on those requests in order to comply with the timing requirements.

Thank-you for your time and representation of me and everyone else in District 5.

John Swendseid

24712 Dolores St.

Carmel, CA 93923

Ph. 831-624-2722

Cell: 702-498-3686