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 7:00 PM.

6:3



AGENDA Board of Directors Monterey Peninsula Water Management District

Monday, April 16, 2018 Closed Session – 6:30 pm Regular Meeting – 7:00 pm Conference Room, Monterey Peninsula Water Management District 5 Harris Court, Building G, Monterey, CA

Staff notes will be available on the District web site at

http://www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/ by 5 PM on Friday, April 13, 2018

The 7:00 PM Meeting will be televised on Comcast Channels 25 & 28. Refer to broadcast schedule on page 3.

80 PM – Closed Session	As permitted by Government Code Section 54956 et seq., the Board may adjourn to closed or executive session to consider specific matters dealing with pending or threatened litigation,
	certain personnel matters, or certain property acquisition matters.

- 1. **Public Comment** Members of the public may address the Board on the item or items listed on the Closed Session agenda.
- 2. Adjourn to Closed Session
- 3. Conference with Legal Counsel Existing Litigation (Gov. Code 54956.9 (a))
 - A. MPTA v. MPWMD; Monterey Superior Court No. M 123512; CA 6th District Court of Appeal Case No. H042484
 - B. Application of California American Water to CPUC (No. 12-04-019) Monterey Peninsula Water Supply Project
 - C. MPWMD v. SWRCB; Santa Clara 1-10-CV-163328 CDO (6th District Appellate Case #H039455)
- 4. Adjourn to 7 pm Session

7:00 PM – Regular Meeting

CALL TO ORDER/ROLL CALL

Board of Directors

Andrew Clarke, Chair – Division 2 Ralph Rubio, Vice Chair - Mayoral Representative Brenda Lewis – Division 1 Molly Evans – Division 3 Jeanne Byrne – Division 4 Robert S. Brower, Sr. – Division 5 Mary Adams, Monterey County Board of Supervisors Representative

> General Manager David J. Stoldt

This agenda was posted at the District office at 5 Harris Court, Bldg. G Monterey on Wednesday, April 11, 2018. Staff reports regarding these agenda items will be available for public review on 4/12/2018, 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-<u>directors/bod-meeting-agendas-calendar/</u>. Documents distributed at the meeting will be made available in the same manner. The next regular meeting of the Board of Directors is scheduled for May 21, 2018 at 7 pm.

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.

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. The Consider Calendar items do not constitute a project as defined by CEQA Guidelines section 15378, unless otherwise noted.

- 1. Consider Adoption of Minutes from the March 19, 2018 Regular Meeting of the Board of Directors
- Adopt Findings of Approval for Appeal of Determination of Water Needs for Tea Zone & Fruit Bar at 460 Alvarado Street, Monterey (APN: 001-572-005-000)
- 3. Consider Adoption of 2018-19 Legislative Advocacy Plan
- 4. Consider Expenditure of Funds to Contract with Ventana Wildlife Society for Carmel River Avian Habitat Monitoring
- 5. Consider Entering into Agreements with California American Water and Denise Duffy & Associates for the Los Padres Dam Gravel Augmentation Project
- 6. Consider Authorizing an Amendment to the Agreement for Services for the Los Padres Dam and Reservoir Alternatives Study
- 7. Authorize Additional Expenditure for Passive Integrated Transponder (PIT) Tag Reading Equipment to Monitor Juvenile Steelhead Emigration and Eventual Adult Returns
- 8. Consider Entering into an Agreement with the Big Sur Land Trust to Fund an Update of the Integrated Regional Water Management Plan for the Monterey Peninsula, Carmel Bay, and Southern Monterey Bay
- 9. Receive Fiscal Year 2016-2017 Mitigation Program Annual Report
- 10. Receive and File District-Wide Annual Water Distribution System Production Summary Report for Water Year 2017
- 11. Receive and File District-Wide Annual Water Production Summary Report for Water Year 2017
- 12. Consider Adoption of Treasurer's Report for February 2018

GENERAL MANAGER'S REPORT

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

ATTORNEY'S REPORT

15. Report on 6:30 pm Closed Session of the Board

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

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



MPWMD Regular Board Meeting April 16, 2018 Page 3 of 4

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

17. Consider Adoption of 2017 MPWMD Annual Report
 Not a project, CEQA Guidelines §15378
 Action: The District's enabling legislation requires that a public hearing be conducted on the
 Annual Report.

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

18. Consider Authorizations for Proposition 1 Disadvantaged Community Grant

Not a project, CEQA Guidelines §15378; Existing facilities, Categorical Exemption, §15301

- (A) Consider Authorizing the General Manager to Enter into a Grant Agreement
- (B) Consider Expenditure of Funds to Retain a Consultant to Administer High Efficiency Appliance Retrofit Targets (HEART) Pilot Program
- (C) Consider Expenditure of Funds to Retain a Consultant to Provide Assistance with the MPWMD Disadvantaged Community Needs Assessment

Action: The Board will consider entering into agreements regarding receipt and utilization of grant funds from the Regional Water Management Foundation.

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.

- 19. Letters Received Supplemental Letter Packet
- 20. Committee Reports
- 21. Monthly Allocation Report
- 22. Water Conservation Program Report
- 23. Quarterly Water Use Credit Transfer Status Report
- 24. Quarterly Carmel River Riparian Corridor Management Report
- 25. Carmel River Fishery Report
- 26. Monthly Water Supply and California American Water Production Report

ADJOURNMENT

Board Meeting Broadcast Schedule - Comcast Channels 25 & 28	
v	iew Live Webcast at Ampmedia.org
Ch. 25, Mondays, 7 PM	Monterey, Del Rey Oaks, Pacific Grove, Sand City, Seaside
Ch. 25, Mondays, 7 PM	Carmel, Carmel Valley, Del Rey Oaks, Monterey, Pacific Grove,
	Pebble Beach, Sand City, Seaside
Ch. 28, Mondays, 7 PM	Carmel, Carmel Valley, Del Rey Oaks, Monterey, Pacific Grove,
	Pebble Beach, Sand City, Seaside
Ch. 28, Fridays, 9 AM	Carmel, Carmel Valley, Del Rey Oaks, Monterey, Pacific Grove,
	Pebble Beach, Sand City, Seaside

	Upcoming Board	d Meeting	S
Monday, May 21, 2018	Regular Board Meeting	7:00 pm	District conference room
Monday, June 18, 2018	Regular Board Meeting	7:00 pm	District conference room
Monday, July 16, 2018	Regular Board Meeting	7:00 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 5:00 PM on Thursday, April 12, 2018. Requests should be sent to the Board Secretary, MPWMD, P.O. Box 85, Monterey, CA, 93942. You may also fax your request to the Administrative Services Division at 831-644-9560, or call 831-658-5600.

 $U: staff \\ Board packet \\ 2018 \\ 20180416 \\ Apr-16-2018-Board-Mtg-Agenda. \\ docx \\ d$



ITEM: CONSENT CALENDAR

1. CONSIDER ADOPTION OF MINUTES OF THE MARCH 19, 2018 REGULAR BOARD MEETING

Meeting Date:	April 16, 2018	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.

SUMMARY: Attached as **Exhibit 1-A** are draft minutes of the March 19, 2018 Regular meeting of the Board.

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

EXHIBIT

1-A Draft Minutes of the March 19, 2018 Regular Meeting of the Board of Directors

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\01\Item-1.docx$



DRAFT MINUTES Regular Meeting Board of Directors Monterey Peninsula Water Management District *March 19, 2018*

The meeting was called to order at 7:00 pm in the MPWMD conference room.

Directors Present: Andrew Clarke – Chair, Division 2 Ralph Rubio – Vice Chair, Mayoral Representative Brenda Lewis, Division 1 Molly Evans – Division 3 Jeanne Byrne – Division 4 Robert S. Brower, Sr. –Division 5 Mary Adams – Monterey County Board of Supervisors Rep.

Directors Absent: None

General Manager present: David J. Stoldt

District Counsel present: David Laredo

The assembly recited the Pledge of Allegiance.

General Manager Stoldt suggested that agenda items 12 and 14 could be considered early in the agenda, if necessary, to ensure that item 9 would be heard at 7:30 pm, per the request of the presenter. Chair Clarke accepted the potential change to the agenda.

The following comments were directed to the Board during Oral Communications. (a) Dan Turner, Public Water Now, presented information on how public ownership of the California American Water (Cal-Am) distribution facilities in Felton resulted in savings to rate payers. An outline of his statement is on file at the District office and is on the agency's website. (b) Tom Rowley, Monterey Peninsula Taxpayers Association, questioned the accuracy of some assertions made in the Ordinance No. 152 Oversight Panel Annual Report. He also stated that Public Water Now misrepresents the truth about the cost for public ownership of the local Cal-Am water distribution system. Stoldt responded that the Ordinance No. 152 Oversight Panel Annual Report was distributed to every member of the committee for review and comment prior to finalization and publication. (c) Melodie Chrislock, Public Water Now, stated that rates in the Felton Water District are lower than they would have been had Cal-Am retained ownership of the water distribution system. (d) Michael Warburton, Public Trust Alliance, stated that there is a

CALL TO ORDER/ROLL CALL

PLEDGE OF ALLEGIANCE

ADDITIONS AND CORRECTIONS TO AGENDA

ORAL COMMUNICATIONS

EXHIBIT 1-A

3

5 Harris Court, Building G, Monterey, CA93940•P.O. Box 85, Monterey, CA93942-0085 831-658-5600• Fax 831-644-9560•<u>http://www.mpwmd.net</u> relationship between the amount of water consumed and the price of water, which the California Public Utilities Commission (CPUC) is obliged to supervise. He alleged that issuance of bonds for purchase of the water distribution system had the potential for securities fraud. (e) Christie Bozeman, resident of Pacific Grove, noted that while gathering signatures for the Public Water Now petition, she learned that Cal-Am customers were very angry about the high cost of water. She claimed that Cal-Am disrupted the democratic process by taking actions to dissuade people from signing the petition.

On a motion by Byrne and second of Rubio, the Consent Calendar items were approved unanimously on a vote of 7-0by Byrne, Rubio, Adams, Brower, Clarke, Evans and Lewis.

Adopted.

Adopted.

Approved.

Approved.

Adopted.

A summary of General Manager Stoldt's presentation is on file at the District office and can be viewed on the agency's website. He reported that water production in the District between October 2017 and February 2018 was 395 acre-feet higher than was reported for the same time period in 2017. He asserted that if water use continued at that pace, production for the water-year could be 950 acre-feet higher than in the previous year. Stoldt explained that the District fought for a higher diversion limit due to annual fluctuations in community water use. He advised that 6 inches of rain was received during the reporting period, and 3.3 inches was recorded in March. The long-term averages were: rainfall 39%, streamflow 18%, and useable storage was 94%. He also reported that the Aquifer Storage and Recovery project (ASR) had been in operation for two weeks, and during that time 153

CONSENT CALENDAR

- 1. Consider Adoption of Minutes from the February 22, 2018 Regular Meeting of the Board of Directors
- 2. Consider Adoption of Resolution 2018-04 to Supersede Resolution 2018-03 and Approve the Carmel River Bank Stabilization Project at Rancho San Carlos Road (Action will be taken in compliance with CEQA Sections 15164 and 15168)
- 3. Consider Application for Variance to Allow Non-Residential Group II Water Use Capacity at 458-460 Alvarado Street, Monterey (APN: 001-572-029)
- 4. Receive 2017 Ordinance No. 152 Oversight Panel Annual Report
- 5. Consider Adoption of Treasurer's Report for January 2018

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



acre-feet of water was injected into the Seaside Groundwater Basin.

District Counsel Laredo reported that the Board met in Closed Session at 6:30 pm, and that prior to the meeting, notice was received from the Sierra Club that they might initiate court proceedings in MPWMD v SWRCB; Santa Clara 1-10-CV-163328 - CDO- (6th District Appellate Case #HO39455). At the closed session, a motion was made by Adams and seconded by Byrne to add MPWVD v SWRCB to the closed session agenda. The motion was approved unanimously. The Board provided general direction to staff and counsel on the item but no reportable action was taken. Mr. Laredo explained that Item 3.A was placed on the agenda in anticipation that direction would be received from the appellate court on the matter. No direction was issued by the court; therefore, no discussion of this item occurred. Regarding Item 3.B, the Board provided direction to staff and counsel but no reportable action was taken.

No report.

Directors Brower, Adams, Evans and Clarke commented on their attendance at the February 27 - March 1, 2018 Annual Association of California Water Agencies conference in Washington DC. Brower reviewed the series of meetings that were scheduled with legislators and federal agency representatives for February 27 and March 1, 2018 in DC. He also reviewed the ACWA conference activities and noted that they were very informative. Director Adams expressed a favorable impression of presentations given by John Garamendi and Jeff Denham at the conference. She was very appreciative of the opportunity to attend the conference and said that it was a good learning experience. Director Evans stated that representatives from the Office of Management and Budget provided good advice on securing grants in the future. Director Clarke stated that the meetings provided increased potential for federal grant funding that would reduce the cost of water projects.

A summary of the presentation given by George Riley of Public Water Now is available at the District office and can be viewed on the agency's website.

A summary of the presentation given by Joe A. Conner, Attorney with Baker Donelson, representing California American Water, is on file at the District office and can be viewed on the agency's website. 7. Update on Development of Water Supply Alternatives

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

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

SPECIAL PRESENTATIONS

- 9. Presentation from Public Water Now: Campaign Message Summary
- 10. Presentation from California-American Water on Proposal for Public Ownership of the Water Distribution System



Byrne offered a motion to uphold the appeal and classify the project as a Group I use. The motion was seconded by Rubio and approved on vote of 4 - 3 by Byrne, Rubio, Adams and Brower. Opposed were Clarke, Lewis and Evans. The following comments were directed to the Board during the public hearing on this item. (a) Anthony Davi, Sr., the applicant, requested that the Board determine that a Group I use should be assigned to the Fruit Bar project. He advised the Board that all food preparation would be done off-site; only tea would be brewed from hot water; all other drinks would be pre-mixed; and all ice would be delivered to the site as no icemaker would be installed. In response to a question from the Board, Mr. Davi stated that he would agree to split the water meter so there would be a separate service to the site. (b) Jess Flowers, representing the Tea Zone and Fruit Bar, maintained that Group I would be the appropriate category for this project because only 15% of the water used in their operation would be from on-site tap water. (c) Jeff Davi requested that the District establish only two commercial water use categories: high water users and all others. He supported the applicant's request to apply a Group 1 use to this project. (d) John Tilley, representing the Monterey Commercial Property Owners Association, spoke in support of applying a Group 1 use to this project.

On a motion by Brower and second of Byrne, the June 2018 Quarterly Water Supply Strategy and Budget was adopted on a unanimous vote of 7 - 0 by Brower, Byrne, Adams, Clarke, Evans, Lewis and Rubio. No comments were directed to the Board during the public hearing on this item.

Motion 1 - Byrne offered a motion to adopt Resolution 2018-05 as presented. The motion was seconded by Lewis.

Motion 2 - Evans offered an amendment to the motion – establish a 60-day implementation period for the resolution to allow the State Water Resources Control Board to come to the table. If at the end of the 60-day period they have not made any movement, then the resolution would be in place. There was no second to the motion. No action taken.

Action on Motion 1 – The motion was approved on a unanimous vote of 7 – 0 by Brower, Lewis, Byrne, Adams, Clarke, Evans and Rubio.

The following comments were directed to the Board during the public comment period on this item. (a) Eric Sabolsice, Director of Operations for Cal-Am, referenced his letter dated March 19, 2018 (on file at the District office) and urged the Board to table the proposed resolution until it could obtain certainty from the SWRCB that Cal-Am's compliance with the resolution would not jeopardize the water supply of the Monterey Peninsula. (b) Tom Rowley, Monterey Peninsula

PUBLIC HEARINGS

11. Consider Appeal of Determination of Water Needs for Tea Zone & Fruit Bar at 460 Alvarado Street, Monterey (APN: 001-572-005-000)

12. Consider Adoption of April through June 2018 Quarterly Water Supply Strategy and Budget

ACTION ITEMS

13. Consider Adoption of Resolution 2018 - 05 Regarding State Water Resources Control Board Order WR 2009-0060



Taxpayers Association, expressed agreement with statements made by Eric Sabolsice. He urged the Board to be very cautious in making a decision. (c) John Narigi, Chairman of the Coalition of Peninsula Businesses, referenced a letter he submitted dated March 19, 2019 (on file at the District office) and urged the Board to approve the resolution and move forward for the betterment of the community. (d) Luke Coletti, resident of Pacific Grove, recommended that the Board table action on the proposed resolution. (e) George **Riley** opined that the District had every right to interpret Condition 2 on a local level. (f) Scott Dick, Government Affairs Director for the Monterey County Association of Realtors, expressed support for statements made by John Narigi and George Riley. (g) Michael Warburton, Public Trust Alliance, stated that the focus should be on development of a water supply. He recommended that the resolution be tabled for the time being.

Following the public comment period, a five-minute recess was called. The meeting re-adjourned at 9:25 pm. General Manager Stoldt apologized for personalizing the comments he made at the last session, prior to the recess. Board action followed.

On a motion by Rubio and second of Byrne, Resolution 2018-06 was adopted on a unanimous vote of 7 - 0 by Rubio, Byrne, Adams, Brower, Clarke, Evans and Lewis. No comments were directed to the Board during the public comment period on this item.

There was no discussion of these items.

The meeting was adjourned at 9:35 pm in memory of Paul DeLay for his many years of service to the community.

U:\staff\Boardpacket\2018\20180416\ConsentClndr\01\Item-1-Exh-A.docxc

14. Consider Adoption of Resolution 2018 - 06 Declaring the Week of March 19-25, 2018, to be *Fix a Leak Week*

INFORMATIONAL ITEMS/STAFF REPORTS

- 15. Letters Received
- 16. Committee Report
- 17. Monthly Allocation Report
- 18. Water Conservation Program Report
- 19. Carmel River Fishery Report for February 2018
- 20. Monthly Water Supply and California American Water Production Report

ADJOURNMENT

Arlene M. Tavani, Deputy District Secretary



ITEM: CONSENT CALENDAR

2. ADOPT FINDINGS OF APPROVAL FOR APPEAL OF DETERMINATION OF WATER NEEDS FOR TEA ZONE & FRUIT BAR AT 460 ALVARADO STREET, MONTEREY (APN: 001-572-005-000)

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	Dave Stoldt, General Manager	Program/ N/A	
	Ocher al Manager	Line Item:	
Prepared By:	Stephanie Locke	Cost Estimate:	N/A
Committee Rec CEQA Complia	el Approval: N/A ommendation: N/A nce: This action does not Ouality Act Guidelines se	1 0	s defined by 1

SUMMARY: At its February 22, 2018 meeting, the Board appealed staff's determination that a Tea Zone & Fruit Bar business on Alvarado Street in Monterey should be classified as a Non-Residential Group II use. During a Public Hearing on March 19, 2018, representatives of the Tea Zone & Fruit Bar and the property owner of 460 Alvarado Street, Monterey, provided additional information to the Board about the operation of Tea Zone & Fruit Bar in Monterey. The Board determined that Tea Zone & Fruit Bar had conformed its business plan to a Group I Non-Residential Water Use Factor for its location at 460 Alvarado Street in Monterey.

RECOMMENDATION: The Board should adopt the Findings of Approval (**Exhibit 2-A**) with the Consent Calendar.

EXHIBIT

2-A Findings of Approval

U:\staff\Boardpacket\2018\20180416\ConsentClndr\02\Item-2.docx

the California

DRAFT

FINDINGS OF APPROVAL CONSIDER APPEAL OF DETERMINATION OF WATER NEEDS FOR TEA ZONE & FRUIT BAR AT 460 ALVARADO STREET, MONTEREY (APN: 001-572-005-000) MARCH 19, 2018

- 1. FINDING: On December 16, 2017, District staff met with Mr. Anthony Davi (property owner), Jess Flowers and Thu Anh (representing the business) to discuss the proposed project and staff's preliminary determination that the business was a Non-Residential Group II use and the proposed Site was Group I. During that meeting, it was represented to staff that this business should be considered in the Non-Residential Group I category because there would be minimal dishwashing as items are served in "to-go" cups, minimal water use for cleaning, and that the space available to rent is 50% larger than needed for the business.
 - **EVIDENCE:** December 23, 2017 Letter of Determination on file at the District Office.
- 2. FINDING: After reviewing the information provided in the meeting, visiting a Tea Zone in the Bay Area, and reviewing similar local business type's, staff made the determination that Group II use is the appropriate Water Use Factor for this business. The brewing and selling of tea, sale of ice cream, juices and smoothies are identical uses to those in the Group II category. The conservation measures discussed in the meeting are considered Best Management Practices that would be expected of any business in this category.
 - **EVIDENCE:** December 23, 2017 Letter of Determination on file at the District Office.
- **3. FINDING:** At its February 22, 2018 meeting, the Board appealed staff's determination that a Tea Zone & Fruit Bar business on Alvarado Street in Monterey should be classified as a Non-Residential Group II use.
 - **EVIDENCE:** Minutes of February 22, 2018 meeting on file at District office.
- **4. FINDING:** During a Public Hearing on March 19, 2018, representatives of the Tea Zone & Fruit Bar and the property owner of 460 Alvarado Street, Monterey, provided additional information to the Board about the operation of Tea Zone & Fruit Bar in Monterey.
 - **EVIDENCE:** Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
- **5. FINDING:** Tea Zone & Fruit Bar uses little water for cleaning and uses a blender container rinser to clean containers.

	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
6.	FINDING:	Tea Zone & Fruit Bar will not be serving ice cream.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
7.	FINDING:	Tea Zone & Fruit Bar will not install an ice maker and will transport ice from its Santa Cruz store for use in Monterey. Ice is the biggest water use in the Tea Zone & Fruit Bar store.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
8.	FINDING:	Hot tea is 15 percent of the Tea Zone & Fruit Bar's products and uses tap water.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
9.	FINDING:	Tea Zone & Fruit Bar does not use dishes or glassware. Products are served only in disposable packages.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
10.	FINDING:	Tea Zone & Fruit Bar does no cooking on Site and has no kitchen. Food and fruit will be prepared off-Site and brought into the store.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
11.	FINDING:	The Monterey Alvarado Street Tea Zone & Fruit Bar store, while similar to other juice bars, has a different operation plan that reduces its Water Use Capacity to Group I.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.
12.	FINDING:	The Board finds that Tea Zone & Fruit Bar has adapted its business plan to a Group I Non-Residential Water Use Factor for its location at 460 Alvarado Street in Monterey.
	EVIDENCE:	Recording of Public Hearing Item 11 at March 19, 2018 MPWMD Board of Directors meeting.

ITEM: CONSENT CALENDAR

3. CONSIDER ADOPTION OF 2018-19 LEGISLATIVE ADVOCACY PLAN

Meeting Date:	April 16, 2018	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 19, 2018 the Legislative Advocacy Committee reviewed this item and recommended approval on a vote of 3 - 0. CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines Section 15378

SUMMARY: Attached as **Exhibit 3-A** is the draft 2018-19 Legislative Advocacy Plan that, if adopted, would establish the District's legislative and government affairs priorities for fiscal year 2018-19. The Legislative Advocacy Committee reviewed the Plan on March 19, 2018, and recommended that it be brought forward to the Board for approval.

RECOMMENDATION: Staff recommends that the Board review and approve the Plan along with the Consent Calendar.

EXHIBIT

3-A Draft 2018-19 Legislative Advocacy Plan

U:\staff\Boardpacket\2018\20180416\ConsentClndr\03\Item-3.docx



2018-19 Legislative Advocacy Plan

This plan establishes the Monterey Peninsula Water Management District legislative and government affairs priorities for FY 2018-19.

Federal Strategy

- 1) Continue relationship and services with The Ferguson Group
 - Identifying legislation or proposed regulatory changes that may impact the District.
 - Track opportunities from 2017 WIIN Act and proposed 2018 Napolitano bill
 - Track Title XVI Reform, 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)
 - 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.
 Emphasis on developing staff relationship with Senator Harris
 - Attend ACWA trip each year
 - Direct contact with associations including ACWA, WateReuse, etc.
- 3) Provide support for relevant legislation.
- 4) Expedite Pure Water Monterey/CSIP Annexations.
- 5) Perform on existing federal grants:
 - Drought Contingency Plan (\$200,000 USBR 2-year project)
 - Salinas and Carmel Rivers Basin Study (\$900,000 USBR 3-year project)

State of California Strategy

- 1) Monitor and pursue grant opportunities:
 - IRWM: We have been awarded a Central Coast-wide Disadvantaged Community planning grant that may also be used for implementation. We intend to apply it to the District's "HEART Program" for retrofits in low income and multi-family settings. Will maintain our lobbying effort to retain the funding agreement to ensure we receive over \$3 million in the next IRWM round of Prop 1 moneys'
 - Storm water: Funds are available for multi-benefit storm water management projects. A Storm Water Resource Plan (SWRP) is required to be eligible for implementation or project-specific planning funding. The SWRP will be due within 90 days of award of an implementation grant. The District's Local Project Grant to the City of Monterey will lay groundwork for this plan.
- 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 with legislative team locally
 - Attend CSDA, ACWA, and/or WateReuse 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 Budget Trailer bill, AB 1668/SB 606, AB 401, SB 623, and proposed SWRCB permanent conservation regulations.
- 4) Develop helpful relationships: ACWA, WateReuse, Latino Water Coalition

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
 - Funding plan for portion of desal project
- 2) Participate in County-wide efforts (CEQA, OES, Water planning, Carmel River/Lagoon)
- 3) Maintain outreach to local associations government affairs committees (Chambers, MCAR, MCHA, Coalition of Peninsula Businesses, jurisdictions' mayors and councils)
- 4) Better articulate CPUC activities to local ratepayer groups



ITEM: CONSENT CALENDAR

4. CONSIDER EXPENDITURE OF FUNDS TO CONTRACT WITH VENTANA WILDLIFE SOCIETY FOR CARMEL RIVER AVIAN HABITAT MONITORING

Meeting Date:	April 16, 2018	Budgeted:	Yes
From:	David J. Stoldt, General Manager	Program/ Line Item No.:	Riparian Monitoring 2-1-3.B
Prepared By:	Thomas Christensen	Cost Estimate:	\$4,718

General Counsel Review: N/A

Committee Recommendation: The Administrative Committee reviewed this item on April 9, 2018 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 Board will consider authorizing staff to retain the Ventana Wildlife Society (VWS) to continue the District's avian (bird) habitat monitoring program on the Carmel River during calendar year 2018. This work will continue the monitoring of bird life along the river conducted since 1992, including the collection of data on the use of the Carmel River riparian corridor during bird migration and breeding seasons. This monitoring is conducted in accordance with the Mitigation Program for the District's Water Allocation Program EIR. The proposed scope of work, costs, and schedule are as shown in **Exhibit 4-A**.

RECOMMENDATION: District staff recommends that the Board authorize the General Manager to enter into a contract with the Ventana Wildlife Society for avian habitat monitoring work along the Carmel River at a cost not-to-exceed \$4,718 with the scope of work, costs and schedule as shown in **Exhibit 4-A**. If this item is adopted along with the Consent Calendar, staff will execute a contract with Ventana Wildlife Society for this work.

BACKGROUND: Avian use of riparian habitat provides an excellent indicator of wildlife habitat value. In 1992, the District established permanent sampling locations for avian species monitoring at several sites along the Carmel River. The purpose of this program is to measure bird use at the monitoring sites, thus providing an indication of changing patterns of habitat values in the District's restoration project areas. Information on bird populations and avian species diversity collected as part of the District's Mitigation Program has assisted in documenting trends in the response of wildlife populations to habitat enhancements implemented by the District.

The VWS sampling will span the nesting and fledgling period to assess patterns of wildlife use in District planting areas. Long-term monitoring of the same sampling locations provides an indication of the overall changes in wildlife habitat values resulting from the District's planting, irrigation, and erosion protection efforts. The Avian Point Count Census (nesting and fledgling observations of birds at nine locations along the Carmel River and calculation of the Species Diversity Index for each location) has been carried out annually from 1992 through 2010 and then

in 2015. Work under this contract will include collection and analysis of Species Diversity Index data as well as the preparation the 2018 results.

IMPACTS ON STAFF AND RESOURCES: Estimated costs for the scope of work as shown in **Exhibit 4-A** total \$4,718. Mileage expenses are included in this amount. The work will be performed under the direction of the District's Riparian Projects Coordinator.

EXHIBIT

4-A Proposal for Professional Avian Monitoring Services from Ventana Wildlife Society

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\04\Item-4.docx$

VENTANA WILDLIFE SOCIETY

Conserving Native Wildlife and their Habitats

9699 Blue Larkspur Ln., Ste 105 Monterey, CA 93940 P: (831) 455-9514 F: (831) 455-2846 www.ventanaws.org

SCOPE OF WORK

Overview

Project Title	The Carmel River Riparian Corridor Point Count Census
Proposal Date	March 13, 2018
Submitted By	Ventana Wildlife Society, 9699 Blue Larkspur Ln., Suite 105, Monterey, CA 93940
Submitted To	Monterey Peninsula Water Management District
Proposed Project Area	Carmel River, Monterey County
Principal Investigator	Mike Stake
Organizational Information	501(c)3 Non-Profit Organization; EIN#94-2795935
Email	mikestake@ventanaws.org
Project Duration	May 1, 2018 through August 31, 2018
Proposed Budget Estimate	\$4,718

EXHIBIT A SCOPE OF WORK

PROPOSAL FOR PROFESSIONAL AVIAN MONITORING SERVICES The Carmel River Riparian Corridor Point Count Census

This proposal encompasses the two tasks outlined below. Exhibits B and C (attached) detail a fee and work schedule.

Task 1: DATA COLLECTION for Avian Point Count Census



One biologist from Ventana Wildlife Society will conduct avian point count surveys at 36 points previously established at 9 sites (4/site) in the Carmel River riparian corridor. The biologist will be the same observer used in all previous surveys at the site since 2009. The biologist will conduct 4 rounds of surveys at each of the sites (i.e., 4 visits to each of the 36 survey points) in 2018. One round each will be conducted during the following periods:

- 1. 1-15 May
- 2. 16-31 May
- 3. 1-15 June
- 4. 16-30 June

All point count surveys will be conducted during morning hours, starting within 30 minutes after sunrise and finishing within 4 hours after sunrise. Each round of surveys will require 2 mornings to complete. On survey mornings, the biologist will drive between sites and navigate survey points on foot with a GPS unit. At each survey point, the biologist will record all birds detected by sight and sound in a 5-minute period. Each bird will be recorded in one of several distance categories to indicate distance from the survey point location. Data recorded will include species, number of individuals, estimated distance intervals, date of the survey, time of the survey, and general weather conditions. Surveys will not be conducted during periods of rain or excessive wind.

Task 2: REPORTING for Avian Point Count Census

Ventana Wildlife Society will enter data and maintain a database available to Monterey Peninsula Water Management District. A brief report will be submitted that contains tables of species encountered, the number of detections, and species diversity index. This report, along with copies of original data forms, and any GIS/geo-database files created, will be delivered to Monterey Peninsula Water Management District by 31 August 2018.

EXHIBIT B FEE SCHEDULE

Total Cost for Tasks 1-2 is \$4,718

<u>Task 1-2</u>: The total cost to Monterey Peninsula Water Management District for Tasks 1-2 is \$4,718. Costs for each task are projected as: Task 1 - \$3,818; Task 2 - \$900. Invoicing will follow completed work and be submitted in two installments. Invoicing for Task 1 will follow completion of field work on 30 June 2018. Invoicing for Task 2 will follow completion of the report on 31 August 2018. Invoices for each task will not exceed the projected amounts.

Task 1: Data Collection					
Description	days	hr / day	Total hr	Rate (\$/hr)	Cost
Round 1 (36 Pts, May 1-15)	2	5	10	90	\$ 900
Round 2 (36 Pts, May 16-31)	2	5	10	90	\$ 900
Round 3 (36 Pts, June 1-15)	2	5	10	90	\$ 900
Round 4 (36 Pts, June 16-30)	2	5	10	90	\$ 900
Mileage (400 mi at \$0.545/mi)					\$ 218
Task 1 Total					\$ 3,818
Task 2: Reporting					
		Hours /			
Description	Days	Day	Total Hr	Rate (\$/hr)	Cost
Data Entry	1	5	5	90	\$ 450
Report Preparation	1	5	5	90	\$ 450
Task 2 Total					\$ 900

Budget Justification: Ventana Wildlife Society staff biologist hourly rates are multiplied by projected hours. Hourly rate includes indirect costs, but not travel costs. Travel expenses (fuel and maintenance costs) are projected using the standard U.S. General Services Administration rates for privately owned vehicles of \$0.545/ mile multiplied by the estimated mileage.

EXHIBIT C WORK SCHEDULE

<u>Task 1</u>: The completion goal for DATA COLLECTION is 30 June 2018. All data collection in the field will be conducted in May and June 2018.

Task 2: The completion goal for REPORTING is 31 August 2018.

 $\label{eq:listaff} U: staff \ Boardpacket \ 2018 \ 20180416 \ ConsentClndr \ 04 \ Item - 4- Exh-A.docx$

ITEM: CONSENT CALENDAR

5. CONSIDER ENTERING INTO AGREEMENTS WITH CALIFORNIA AMERICAN WATER AND DENISE DUFFY & ASSOCIATES FOR THE LOS PADRES DAM GRAVEL AUGMENTATION PROJECT

Meeting Date:	April 16, 2018	Budgeted:	No
From:	Dave Stoldt, General Manager	Program/	Protect Environmental Quality
		Line Item No.:	Program – Aquatic Resources Fisheries
Prepared By:	Larry Hampson	Cost Estimate:	\$ 45,000 (Reimburseable)

General Counsel Approval: N/A

Committee Recommendation: The Administrative Committee reviewed this item on April 9, 2018 and recommended approval.

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

SUMMARY: California American Water (Cal-Am) has entered into a Memorandum of Agreement with the National Marine Fisheries Service (NMFS) that among other things, provides for interim gravel replenishment below Los Padres Dam (LPD) to maintain spawning gravels in the Carmel River downstream of Los Padres Dam (the Project) pending a determination about the future of the dam.

MPWMD carried out a project in 2014 at LPD to place 1,500 tons of spawning gravel in the channel downstream of the LPD spillway. High flows have since transported the material downstream. Cal-Am has requested that the District supervise a similar effort to place an additional 1,500 tons in the channel. Attached as **Exhibit 5-A** is a proposed reimbursement agreement between Cal-Am and the District for the Project. MPWMD would be the Lead Agency for California Environmental Quality Act compliance; acquire permits for the project; and supervise placement of the gravel. Cal-Am would be responsible for contracting for the purchase, delivery, and placement of the gravel.

Attached as **Exhibit 5-B** is a letter proposal from Denise Duffy & Associates for providing services to assist with acquiring the necessary permits for the Project.

As part of its ongoing commitment to fisheries habitat improvement in the Carmel River over the past 25 years, the District has placed more than 4,500 tons of spawning gravels between Los Padres Dam and the Sleepy Hollow Reach to improve steelhead spawning habitat over approximately seven miles of river. This cooperative Project between Cal-Am and the District will bring the total amount of spawning gravel placed in the river up to 6,700 tons.

RECOMMENDATION: Staff recommends authorizing the General Manager to: 1) enter into a reimbursement agreement with California American Water for MPWMD expenses associated with obtaining permits for placement of gravel at Los Padres Dam; 2) enter into an agreement with Denise Duffy & Associates for a not-to-exceed amount of \$45,000 for assistance with permit acquisition.

IMPACT TO STAFF/RESOURCES: Funds to retain the services of Duffy Denise & Associates would be added to the FY 2018-19 Fisheries Program Budget under account 24-04-785852 "Spawning Habitat." Staff time will also be needed to oversee the project.

EXHIBITS

- **5-A** Draft Implementation and Reimbursement Agreement for Los Padres Dam Gravel Augmentation Project
- **5-B** Letter proposal from Denise Duffy &Associates

Implementation and Reimbursement Agreement for

Los Padres Dam Gravel Augmentation Project

THIS IMPLEMENTATION AND REIMBURSEMENT AGREEMENT (Agreement) is made and entered into by and between California-American Water Company (California American Water or Cal-Am) and the Monterey Peninsula Water Management District (MPWMD or Water Management District).

1. Recitals.

1.1. The Water Management District was created by the California Legislature in 1977 (Statutes of 1977, Chapter 527, as amended). California American Water (Cal-Am) is a public utility regulated by the California Public Utilities Commission (CPUC or Commission).

1.2. California American Water has entered into a Memorandum of Agreement with the National Marine Fisheries Service (NMFS) effective January 10, 2018 (MOA), attached hereto as Exhibit A, that, among other things, provides for interim gravel replenishment below Los Padres Dam to maintain spawning gravels downstream of Los Padres Dam (the Project) pending a determination about the future of the dam.

1.3. Since 1994, MPWMD has had an ongoing program to augment spawning habitat for the benefit of steelhead throughout the Carmel River and has an interest in assisting Cal-Am with gravel replenishment at Los Padres Dam.

AGREEMENT

2. **Project Activities.**

MPWMD shall cooperate with Cal-Am on the Project. A preliminary scope of work is set forth in Exhibit B – Scope of Work. The MOA provides that gravel replenishment amounts, methods and scheduling are to be approved by NMFS. Cal-Am and MPWMD shall agree on the selection method, consultants to retained, and budget, and shall jointly develop a detailed scope of work to submit to NMFS for approval. Cal-Am in its sole discretion shall select the contractor to provide and place replenishment gravel, and shall enter into a contract with the contractor for such work. MPWMD and Cal-Am shall cooperate to carry out the Project as approved by NMFS. The Project is intended to be completed in phases over a three-year period starting with full execution of this Agreement. Cal-Am may request, and MPWMD shall grant, attendance and access to all materials, meetings, and reports associated with the Project.

3. Reporting.

3.1. The Water Management District shall provide to Cal-Am a quarterly report including a summary of work completed on the Project, with a comparison of the budget and schedule for the Project.

3.2 MPWMD shall provide annual summary reports for the Project to Cal-Am, NMFS, and any regulatory agency that requires a report. A final report on the Project will be due within 60 days of completion of the final phase of the Project.

3.3. Any report prepared pursuant to this section may be made available to the public and reviewed by the MPWMD Board at a public meeting.

4. Invoices and Use of Funds.

4.1. Cal-Am shall reimburse MPWMD for time and material spent for consultant assistance up to a maximum of the amount set forth on Exhibit C - Budget. Any proposed increases to the budget must be approved in writing by Cal-Am. MPWMD shall invoice Cal-Am no more frequently than quarterly for work completed. Such invoice shall itemize all costs and expenses charged and include copies of all corresponding invoices received by the Water Management District from its non-employee vendors and submit such electronically or by hard copy to:

California American Water <mark>J. Aman Gonzalez, Project Manager</mark> 511 Forest Lodge Rd, Suite 100 Pacific Grove, CA 93950

Julio.gonzalez@amwater.com

4.2. Cal-Am shall pay the full undisputed amount of the Water Management District's invoice within 45 days of receipt by Cal-Am.

4.3. The Water Management District shall use funds received pursuant to this Section 4 exclusively as reimbursement for reasonable and necessary costs incurred to implement the Project as specified herein. The Water Management District shall pay all employees, contractors and other vendors in accordance with the contracts between such parties (including any collective bargaining agreements), California law, or both, as applicable.

4.4 No reimbursement under this Agreement shall be made for work completed after three years from the date of execution of this Agreement.

5. Records and Subsequent Review by California Public Utilities Commission

MPWMD shall maintain complete and accurate records in accordance with generally accepted accounting practices for government agencies sufficient to show that funds received pursuant to this Agreement have been used exclusively to pay reasonable and necessary costs incurred to implement the Project. MPWMD shall fully assist and cooperate with Cal-Am in responding to any requests for information, including data requests, received from or issued by the CPUC regarding this Agreement or the Project.

6. Performance.

6.1. The MPWMD and Cal-Am shall meet on an as-needed basis throughout the term of this Agreement with the purpose of, among other things, ensuring that no activities performed by the MPWMD under this Agreement are duplicative of activities performed by Cal-Am or otherwise paid by Cal-Am's customers unless by its nature an activity requires a cooperative effort.

6.2. In its performance of activities under this Agreement, the MPWMD shall act as independent contractor and the Water Management District and Cal-Am are not an agent or employee of the other. The MPWMD shall have exclusive and complete control over its employees and subcontractors.

7. Term, Termination and Survival

7.1. Unless terminated earlier under the subsequent paragraphs, this Agreement shall remain in effect for three years after the date of execution.

7.2. Cal-Am may terminate this agreement at its convenience by providing the MPWMD written notice, in the manner specified in Section 10, 30 calendar days prior to the proposed termination date.

7.3. The MPWMD may terminate this agreement at its convenience by providing Cal-Am written notice, in the manner specified in Section 10, 90 calendar days prior to the proposed termination date such that Cal-Am can arrange for alternate performance.

7.4. Any obligation for one party to indemnify another shall survive the termination of this Agreement.

7.5. The obligations under Section 5 shall remain in effect until the expiration of the time Cal-Am is required to preserve records regarding any aspect of this transaction pursuant to Resolution A-4691 of the California Public Utilities Commission dated July 12, 1977.

8. Disputes and Indemnification

8.1. In the event a dispute arises out of the performance of this Agreement, either party shall, as soon as a conflict is identified, submit a written statement of the conflict to the other party. Within five (5) working days of receipt of such a statement of conflict, the second party will respond and a meeting will be arranged not more than five (5) working days thereafter to arrive at a negotiated settlement or procedure for settlement. If, within twenty (20) working days from the initial filing of a statement of conflict an agreement cannot be reached, the parties agree to submit the matter to non-binding mediation. If meditation is unsuccessful, it is agreed that the dispute may be resolved in a court of law competent to hear this matter.

8.2. Notwithstanding any other provision of this Agreement, each Party shall indemnify, defend, protect, hold harmless, and release the other Party, any parent or affiliate, and their respective officers, agents, and employees, from and against any and all claims losses, proceedings, damages, causes of action, liability, costs, or expense (including attorney's fees and witness costs) suffered or incurred by such other Party and

arising from or in connection with, or caused by any breach of this Agreement by the indemnifying Party, or any negligent act or omission or willful misconduct of such indemnifying party in the performance of its obligations under this Agreement. This indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages or compensation payable to or for the indemnifying party under workers' compensation acts, disability benefit acts, or other employee benefit acts.

8.3. This Agreement shall be construed in accord with California law without reference to conflicts of laws principles.

8.4. The prevailing party shall be awarded costs of suit and attorneys' fees.

9. Amendment and Integration

9.1. This Agreement sets forth the entire understanding of the parties with respect to the subject matter herein. Except as stated herein, there are no other agreements expressed or implied, oral or written, except as set forth herein.

9.2. If, during the course of the work herein contemplated, the need to change the purpose of this Agreement should arise, for whatever reason, whichever party first identifies such need to change shall notify the other party in writing. The authorized representatives of the parties shall meet within seven (7) working days of the date of such notice, to discuss the need for change so identified and to determine if this Agreement should be amended.

9.3. Any changes agreed to shall be documented by duly approved and executed amendments to this Agreement or other means acceptable to both parties.

10. Notices.

10.1. All communications to either party by the other shall be deemed given when made in writing and delivered or mailed to such party at its respective address shown in Paragraph 10.2

10.2. Addresses for Notices

MPWMD:	District Engineer Monterey Peninsula Water Management District 5 Harris Court, Bldg. G Post Office Box 85 Monterey, California 93942
California American Water:	Ian Crooks, Vice President, Engineering California-American Water Company 511 Forest Lodge Road, Suite 100 Pacific Grove, California 93950

With a copy to:

Kathryn Horning, Corporate Counsel California-American Water Company 655 West Broadway, Suite 1410 San Diego, California 92101

11. Additional Exhibits. This Agreement refers to the following prior documents:

Exhibit A - Settlement Agreement between National Marine Fisheries Service and California American Water;

Exhibit B – Scope of Work;

Exhibit C – Budget

Exhibit D - Schedule

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the date it has been executed by both parties.

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT

BY: David J. Stoldt General Manager

CALIFORNIA-AMERICAN WATER COMPANY

BY:

Vice-President, Engineering

U:\Larry\Cal-Am\Spawning Gravel\Cal-Am-MPWMD Agreement\2018.3.27 final agreement LPD gravel replenishment.docx

Exhibit A – Settlement Agreement between National Marine Fisheries Service and California American Water

Memorandum of Agreement

THIS Memorandum of Agreement is made by and between California-American Water Company ("CAW"), the U.S. Department of Commerce, National Marine Fisheries Service ("NMFS"), and the California State Coastal Conservancy ("the Conservancy"). Throughout this Memorandum of Agreement, CAW, NMFS and the Conservancy are collectively referred to as the "Parties."

RECITALS

I. Introduction

- A. CAW is the owner and operator of the public drinking water system for the Monterey Peninsula, which serves approximately 40,000 customers. CAW is regulated by the California Public Utilities Commission ("CPUC") and is mandated by California law to serve potable water to its customers and to comply with federal and state safe drinking water laws and regulations, as well as the federal Endangered Species Act, 16 U.S.C. § 1531, *et seq*. (the "ESA"). A major source of CAW's water supply is diversions from the Carmel Valley Aquifer. CAW is currently working to develop an alternative long-term water supply to replace a significant portion of that water supply.
- B. NMFS, part of the National Oceanic and Atmospheric Agency ("NOAA") is the federal agency that listed the naturally-spawned populations of South-Central California Coast Steelhead Distinct Population Segment ("SCCC steelhead") as threatened under the ESA and that oversees protection, conservation and recovery of the SCCC steelhead.
- C. The Conservancy is a California State agency established to protect and improve natural lands and waterways.
- D. The Parties have a mutual interest in promoting the conservation and recovery of SCCC steelhead.
- E. In 2016 the State Water Resources Control Board ("SWRCB") issued an amended order ("Amended CDO"), described below, requiring CAW to take certain measures to promote and conserve steelhead and to eliminate unauthorized diversions of water from the Carmel River by December 31, 2021. CAW is also party to a 2009 Settlement Agreement, as amended ("Settlement Agreement") with NOAA, described below, and a 2001 Conservation Agreement ("Conservation Agreement") with NMFS, described below, requiring CAW to take certain measures for the benefit of the SCCC steelhead. CAW and NMFS also have an agreement ("ASR Agreement") with California Department of Fish and Wildlife ("CDFW") and the Monterey Peninsula Water Management District ("MPWMD") establishing protocols for recovery of water from groundwater storage during the recovery season (June 1 through November 30).

MOA between CAW, NMFS, and the Conservancy 2017

- F. The Parties acknowledge that CAW has completed some of the measures required in the Conservation and Settlement Agreements. In addition, CAW asserts that, as part of an overall effort to protect and enhance SCCC steelhead, CAW and its customers have paid for additional steelhead mitigation measures for many years. Some of these measures, implemented by the MPWMD, include annual fish rescues, the construction, maintenance, renovation, and operation of a rearing facility to hold rescued steelhead, monitoring of and improvements to the instream and riparian habitat, improvements to the Carmel River Lagoon, and monitoring fish numbers during migration, and have cost CAW's ratepayers over \$28M to date. CAW also asserts that it has funded a number of other fishery restoration activities, including funding a forbearance agreement with the Trust for Public Land to add approximately 300 afa to the Carmel River over the next three years, part of a larger effort to convert the Rancho Cañada golf course to riparian habitat; helping to fund the removal of the San Clemente Dam, part of the Carmel River Reroute and San Clemente Dam Removal ("CRRDR") Project; facilitating a third-party water right change petition resulting in the dedication of water to instream flows as part of the Carmel River Floodplain Restoration and Environmental Enhancement Project; and development of a program to acquire and cause the dedication of new water sources and/or water rights to offset CAW's unauthorized diversions from the Carmel River and increase instream flows, all at a cost to CAW's ratepayers. And, beginning in early 2009, CAW worked with a stakeholder group comprised of NMFS, CDFW, and MPWMD to evaluate alternatives and reach a consensus on fish passage improvements at Los Padres Dam (LPD). The Los Padres Dam Fish Passage project, including a floating weir surface collector and bypass conduit system, was identified as the preferred downstream fish passage alternative, allowing juvenile and adult steelhead to migrate downstream past LPD. Project components include a behavioral guidance system, floating weir surface collector, fish bypass conduit, bypass access portals, and bypass outfall. CAW placed the facility into service in March 2016 at a cost of about \$5 million.
- G. The Parties also acknowledge that some of the work required under the two Agreements with NOAA and NMFS has not been fully completed and/or is ongoing. In addition, the Amended CDO requires CAW to undertake actions to eliminate unauthorized diversions from the Carmel River and to terminate all unauthorized diversions from the river no later than December 31, 2021, and to take certain actions that benefit SCCC steelhead in the interim.
- H. The Parties agree that additional measures pending completion of the remaining work under the Amended CDO, the Conservation Agreement, and the Settlement Agreement, would facilitate improvements to SCCC steelhead and their Carmel River habitat. NMFS believes that the impacts of LPD are among the challenges to improving their habitat, and that a clear passage channel is critical for upstream and downstream migration of steelhead through the sediment delta. In addition, LPD traps sediment, and may at times have contributed to a starved river condition downstream of LPD, lacking spawning gravels for steelhead and other sized sediment for food production.

-2-

MOA between CAW, NMFS, and the Conservancy 2017

34

- I. The Parties also agree that, prior to implementing such additional measures, one or more studies are necessary to identify and guide the selection of appropriate and feasible interim and longer-term measures, and that studies currently being carried out by third parties, including MPWMD, may assist in this process. This Memorandum of Agreement therefore sets forth a process and schedules for carrying out such studies and for the implementation of certain interim measures. The Parties agree to address longer term additional measures as guided by the studies contemplated in this Memorandum of Agreement within a process and timetable geared toward resolving long term issues with respect to CAW's pumping operations, water withdrawals from the Carmel River and remaining operations. Adherence to the process set forth herein for carrying out the studies and implementing interim measures and the framework and timetable to resolve longer term issues shall demonstrate both commitment and good faith progress toward reaching the long term objectives of the Parties identified in Paragraph L, below.
- J. The Parties recognize that implementation of the measures contemplated by this Memorandum of Agreement may involve other parties, and may require permits and/or authorizations from other regulatory agencies.
- K. Accordingly, the Parties are entering into this Memorandum of Agreement to extend the terms of the Conservation Agreement and Settlement Agreement and implement new terms related to CAW's operations. The Parties also enter into this Memorandum of Agreement to ensure the long-term cooperation between the Parties to achieve the goals set forth in this agreement, which reflect the goals stated in the Conservation and Settlement Agreements.
- L. The goals and objectives of this Memorandum of Agreement are as follows:
 - 1. NMFS' goal and objective is to protect and conserve SCCC steelhead in the Carmel River, including maximizing the Carmel River Basin's substantial contribution toward recovering SCCC steelhead and enforcing the ESA.
 - 2. CAW's goal and objective is to supply water in accordance with its CPUC Certificate in a manner that complies with the ESA and other regulatory obligations under state and federal law.
 - 3. The Conservancy's goal is to restore and enhance coastal resources and coastal watersheds, consistent with Division 21 of the Public Resources Code, including by funding projects that restore and enhance habitat for SCCC steelhead, and/or otherwise aid in the recovery of SCCC steelhead in the Carmel River Watershed.

II. State Water Resources Control Board Orders

A. CAW's operations on the Carmel River are regulated by a number of agencies pursuant to certain orders and agreements. In 1995, the SWRCB issued Order No. WR 95-10 ("Order 95-10"), mandating that CAW find an alternative supply

MOA between CAW, NMFS, and the Conservancy 2017

for unauthorized diversions of water from the Carmel River and, pending the implementation of an alternative water supply, limit its diversions from the Carmel Valley to 11,284.8 acre-feet ("AF"). Order 95-10 was amended in 2002 to incorporate certain provisions of the Conservation Agreement (described below) relating to additional limitations on CAW's diversions at San Clemente Dam and upstream wells during low flow periods. CAW's operation of Los Padres Dam is controlled by an annual agreement among CAW, MPWMD and CDFW.

- B. In 2009, the SWRCB issued Order WR 2009-0060, the Cease and Desist Order ("CDO"), finding that CAW had failed to fully comply with the requirements of Order 95-10, and was in violation of California Water Code Section 1052 from its unauthorized water diversions on the Carmel River. The CDO mandated, among other things, that CAW: a) shall diligently implement actions to eliminate unauthorized diversions from the Carmel River and terminate all unauthorized diversions by December 31, 2016; b) shall not divert water from the Carmel River for new service connections or for any increased use of water at existing service addresses resulting from a change in zoning or use; and, c) shall reduce water diversions by 5% (549 acre-feet per annum [afa]) beginning in October 2009, and increase reductions by an additional 121 afa (cumulative) beginning in October 2011.
- C. In 2016, at CAW's request, the SWRCB issued Order WR 2016-0016, amending in part the CDO ("Amended CDO"). The Amended CDO found that CAW would not terminate its unauthorized diversions by December 31, 2016 because a planned regional desalination plant would not be constructed by that date, and identified instead CAW's plans for the Monterey Peninsula Water Supply Project ("MPWSP"), which included an alternate desalination plant, a water recycling plant, and expansion of facilities for groundwater storage, projects that are undergoing review by permitting agencies and that are anticipated to become operational before December 31, 2021. The Amended CDO, among other things, mandates that CAW terminate all unauthorized diversions by December 31, 2021, establishes interim milestones for the projects identified by CAW, and provides that CAW may withdraw 8,310 afa from the Carmel River beginning October 1, 2015 through December 31, 2021 (with certain exceptions and adjustments as provided in the Amended CDO), with specified reductions to that amount each time a milestone is not met.
- D. The Amended CDO also requires that CAW provide annual funding in the amount of up to \$175,000 for preparation of an annual report evaluating the status of the threatened South-Central California Coast Steelhead Distinct Population Segment ("SCCC Steelhead DPS"), to be prepared if possible by NMFS Southwest Fisheries Science Center ("SWSFC") and, if not possible, for CAW to designate another entity with the requisite expertise that NMFS finds acceptable. If a SWFSC annual report indicates a significant change in the status of the SCCC Steelhead DPS since the previous report, NMFS may provide recommendations

MOA between CAW, NMFS, and the Conservancy 2017

for additional adaptive management measures to be taken with respect to the SCCC Steelhead DPS in the Carmel River.

- E. The Amended CDO notes that CAW has indicated that it will implement an additional \$2.5 million of projects to improve fish habitat during the four years following adoption of the Amended CDO, including a) improvements to the existing upstream fish passage ladder and trap at Los Padres Dam (\$0.2 million), installation of a fish screen at the inlet pipe in Los Padres Reservoir (\$0.8 million), a pit tagging program (\$1.0 million); and a through- reservoir study for Los Padres Reservoir (\$0.5 million). The Amended CDO provides that if these projects are not implemented according to the plans developed by CAW and NMFS, the SWRCB may revisit the Amended CDO.
- F. Subsequent to the issuance of the Amended CDO, NMFS became aware that installation of a fish screen at the inlet pipe may not provide the benefits initially sought and that installation done at certain times of the year or in a certain manner may result in greater harm to the SCCC Steelhead DPS. NMFS has concluded that CAW should conduct or fund a study to determine the benefits of fish screen installation, before risking possible harm to the steelhead. This study could be conducted as part of ongoing studies.

III. 2001 Conservation Agreement

- A. On September 18, 2001, NMFS and CAW entered into the Conservation Agreement which required CAW to implement certain measures, categorized as Tier I, II and III, to reduce the impact of its operations in the Carmel River on steelhead and their habitat. As described below, CAW has implemented many but not all of the measures.
- B. The Conservation Agreement contained three tiers of activities. Tier I included short- and mid-term (Phase I and II) actions designed to conserve steelhead in the Carmel River. Tier II described the process to be followed to address the California Division of Safety of Dams' ("DSOD") issues with San Clemente Dam and other mid-term measures designed to conserve steelhead in the Carmel River. Tier III described the process to be followed to address the long-term implementation of actions designed to meet the goals identified by NMFS and CAW in the Conservation Agreement.
- C. Since September 2001, CAW has implemented all of the measures set forth in Phase I of Tier I of the Conservation Agreement. These measures include ceasing surface water diversions at San Clemente Dam during low flow periods, ceasing diversions from the Upper Carmel Valley Wells during low flow periods, and installing a booster station to move water from the lower Carmel Valley to the Upper Carmel Valley.
- D. Phase II of Tier I of the Conservation Agreement required CAW to maintain a continuous surface flow in the Carmel River as far downstream as possible in

36

MOA between CAW, NMFS, and the Conservancy 2017

AQ3 (a defined area of the Carmel Valley Aquifer) by offsetting CAW water diversions in upstream sections of AQ3 with expanded diversion capability in AQ4, in the lowermost reaches of AQ3, and the Seaside Basin aquifer storage and recovery ("ASR") expansion. Phase II required CAW to increase well capacity downstream of and including the San Carlos Well by 3.0 to 5.0 cfs. CAW retrofitted the Rancho Cañada Well and increased its capacity initially by 140%. The reconditioned well was put into service on March 31, 2003. At about the same time, the California Department of Health Services opined that extractions from the nearby San Carlos Well constitute groundwater under the influence of surface water. The San Carlos Well was therefore taken out of service, as there is no means of providing surface water treatment at that location. This resulted in no net gain in pumping capacity in the lower aquifer.

E. The next step in Phase II of Tier I of the Conservation Agreement was to be the installation of a new well in the lower Carmel Valley aquifer. Studies showed that any new well in the lower Carmel Valley would likely require surface water treatment and construction of a surface water treatment plant, which was estimated to cost approximately \$5.5 million. In light of CAW's need to focus its financial and personnel resources on a long-term water supply project, rather than those interim measures in the Carmel River, the Parties agreed that proceeding with the measures set forth in Phase II of Tier I would not be financially prudent.

IV. 2009 Settlement Agreement

- A. On March 3, 2009, NOAA, CAW, and CDFW entered into the Settlement Agreement that required CAW to continue its implementation of the Tier I measures set forth in the Conservation Agreement. The Settlement Agreement also provided as new Tier I Phase II Activities that CAW make annual payments totaling \$11,200,000 to CDFW for mitigation projects to address the impacts of CAW's well-pumping and water withdrawals on the Carmel River ("New Tier I Phase II Activities"). For Tier III, CAW identified the Coastal Water Project ("CWP") as its proposed project for a long-term water supply, and committed to diligently pursue the environmental review and required permits to design, build and operate the CWP. On June 30, 2014, the Settlement Agreement was amended to include the Conservancy as a party for receipt, custody and control of the payments due under the Settlement Agreement.
- B. Paragraph VIII (A) of the 2009 Settlement Agreement noted that the Settlement Agreement does not address NOAA's ESA concerns with respect to any of CAW's operations other than well-pumping and water withdrawals from the Carmel River watershed. CAW and NOAA agreed to negotiate in good faith, and using their best efforts, to reach an agreement addressing NOAA's ESA concerns regarding CAW's "remaining operations" that were not covered by the 2009 Settlement Agreement.
- C. Under the 2009 Settlement Agreement (as amended), CAW has paid \$11,200,000 to fund New Tier I Phase II Activities. Moreover, CAW is currently meeting or has met all conditions of Tier I Phase I of the Conservation Agreement.

MOA between CAW, NMFS, and the Conservancy 2017

D. As identified in the Amended CDO, the CWP and its proposed alternative, the Regional Desalination Plant, were not able to be constructed. CAW has identified as an alternative the MPWSP as its proposed project for a long-term water supply.

<u>A G R E E M E N T</u>:

NOW, THEREFORE, the Parties hereby agree to the following set of activities for CAW to operate over the next five years

I. Continuation of Tier I Phase I Activities:

Throughout the term of this Memorandum of Agreement, CAW shall continue to implement all of the measures described in Phase I of Tier I of the Conservation Agreement.

II. Additional Funding for New Tier I Phase II Activities:

- A. In order to minimize effects resulting from its ongoing water operations, including ongoing water diversions, CAW agrees to pay a total of Five Million Five Hundred Thousand Dollars (\$5,500,000.00) over a period of five (5) years in consecutive annual payments of One Million One Hundred Thousand Dollars (\$1,100,000.00) per year, as specified in Table 1 of this Memorandum of Agreement, which is attached hereto and is part of this Memorandum of Agreement, for New Tier I Phase II Activities as described in the 2009 Settlement Agreement. Each annual payment shall be due and payable on or before July 1. These payments are in addition to any expenditures required by Paragraphs 4 and 5 of the Amended CDO for the annual report on the status of SCCC Steelhead and other conservation projects.
- B. All payments CAW makes under this Memorandum of Agreement shall be used to fund projects to improve habitat conditions for, and production of, SCCC steelhead, including adaptive management of habitat at the former San Clemente Dam site, and/or otherwise aid in the recovery of SCCC steelhead in the Carmel River Watershed (collectively, "projects"). No funds shall be expended for activities or projects that are the responsibility of CAW to complete under this Memorandum of Agreement or any other municipal, state or federal action.
- C. Subject to any required approvals by the California Department of Finance, the Conservancy shall deposit all funds received pursuant to this Memorandum of Agreement into the Coastal Trust Fund. All future payments CAW makes under this Memorandum of Agreement shall be made to the Conservancy in accordance with procedures specified by the Conservancy for transfer of the funds. CAW shall notify all Parties each time a payment is made under the Memorandum of Agreement. The Conservancy shall have custody and control of the payments until they are expended pursuant to this Memorandum of Agreement. The Conservancy shall maintain records of its management of CAW's payments and shall provide annual accounting reports to NMFS and CAW on or before September 30 of each year, regarding the management and expenditure of the funds, until such time as all funds have been

MOA between CAW, NMFS, and the Conservancy 2017

expended. Within 60 days of the expiration of this Memorandum of Agreement pursuant to Section IX(A) below, the Conservancy shall prepare a final accounting report to NMFS and CAW. The Conservancy shall ensure that all payments are expended for the benefit of SCCC steelhead in accordance with the purposes described in Section II(B) of this Memorandum of Agreement, but will use 10% of each payment to administer, manage and monitor the funds and the projects described in Section II(B). When expending the payments for projects pursuant to Section II(B), the Conservancy shall seek to maximize the value of the funds by seeking cash or in-kind matching contributions from fund recipients or non-State, third party project partners whenever possible.

- D. The Conservancy shall consult with NMFS and CAW, as it deems necessary, or as may be required by statute or regulation, to resolve any questions it may have concerning projects to be funded with the money paid by CAW pursuant to Section II(A), including any technical questions it may have.
- E. The Parties recognize that any activity on or near the Carmel River can have potentially adverse effects on CAW's ability to serve potable water safe for public consumption. The Conservancy will not fund any projects that will adversely affect CAW's mandate under California law to serve potable water to its customers and to comply with federal and state safe drinking water laws and regulations.
- F. Any failure by CAW to make any payment required by this Memorandum of Agreement within the time period this Memorandum of Agreement specifies shall constitute a breach of this Memorandum of Agreement. In the event of a breach, the Conservancy shall notify NMFS and NMFS shall give CAW written notice of the breach by registered mail and demand that CAW make payment within ten (10) business days of receipt of such notice by CAW.

III. Tier III Activities:

CAW has identified the MPWSP as its proposed project for a long-term water supply to replace unauthorized diversions from the Carmel Valley Aquifer and to reduce reliance upon and protect against overdraft of the Seaside Groundwater Basin. CAW will continue to diligently pursue the environmental review and required permits to design, build and operate the MPWSP. The current schedule contemplates having the MPWSP in full operation by 2021 at the earliest. The Parties recognize that the MPWSP will require extensive environmental review and permits from many federal, state and local agencies over which CAW has no control. CAW will keep NMFS informed of the MPWSP, in order to minimize the effects resulting from its ongoing water operations including ongoing water diversions, CAW will comply with the new Tier I Phase II activities outlined in Paragraph II.A. and will comply with the obligations identified in Paragraph IV.

MOA between CAW, NMFS, and the Conservancy 2017

IV. Activities Related to CAW Remaining Operations

Paragraph VIII (A) of the Settlement Agreement noted that the Settlement Agreement does not address NOAA's ESA concerns with respect to CAW's operations other than well-pumping and water withdrawals from the Carmel River watershed, and requires the Parties to negotiate in good faith, and using their best efforts, to reach an agreement addressing NOAA's ESA concerns regarding CAW's "remaining operations." This Section addresses ESA concerns identified in the 2009 Agreement and additional NMFS' ESA concerns. For purposes of this Memorandum of Agreement, the "remaining operations" of CAW are limited to: Operation and maintenance of Los Padres Dam; Management of water diversions from the Carmel River; General maintenance and drainage of CAW managed roads; and, planning for long term legal authorization for possible future incidental takes of SCCC steelhead (collectively, the "Remaining Operations").

A. CAW's Obligations with Respect to Operation, Maintenance and Potential Removal of Los Padres Dam

Los Padres Dam ("LPD") is a 148-foot high earth fill dam on the Carmel River located at river mile 24.8 built in 1948. The original storage capacity behind LPD was 3,030 acre-feet. Current storage is approximately 1,731 acre-feet. There is a fish ladder just downstream of the dam that extends from the Carmel River to a tank located about 100 feet up the left bank (facing downstream). Fish that swim into the ladder enter the tank and are held there until CAW operators transfer them to a truck and deliver them to a release site near the reservoir upstream of the LPD. CAW currently possesses an appropriative right to divert water to storage in the Los Padres Reservoir from October 1 to May 31 under License 11866, whose face amount is 3,030 afa. Subject to certain conditions, License 11866 also requires the licensee to maintain a flow of not less than five cubic feet per second in the channel of the Carmel River directly below the outlet structure of LPD.

NMFS believes that removing LPD would provide sufficient access to the upper watershed for spawning and rearing of steelhead, and that removal of LPD would alleviate the need for any additional mitigation/take coverage for impacts to steelhead from CAW's operations at LPD. However, the water stored behind LPD is currently used each year to maintain flows as far downstream as possible during the summer rearing season for juvenile steelhead. Removal of LPD should not occur, if at all, until the impacts of removal on the river system are assessed and alternative water sources are in place to ensure stored water is not needed during the low flow season. Additionally, prior to removal of LPD, CAW must receive approval from the SWRCB for a change in method and place of diversion under License 11866 such that CAW's diversion rights are fully protected. The Parties agree that SWRCB approval of such a water rights change petition is a condition precedent to removal of LPD.

While LPD remains in place, NMFS believes that measures to ensure safe unimpeded passage over or past the dam are critical for upstream and downstream steelhead migration.

MOA between CAW, NMFS, and the Conservancy 2017

1. Study Evaluating Feasibility of Removal of LPD

a. By June 30, 2019, CAW will complete a study ("LPD Feasibility Study") to evaluate the feasibility of removal of the LPD dam. The Parties agree that the LPD Feasibility Study must include analysis of the loss of water storage for summer flows and the benefits of access to the upper watershed if LPD is removed. The LPD Feasibility Study must also evaluate options for permanent unimpeded upstream and downstream passage and management of sediment if LPD is left in place. In addition, the LPD Feasibility Study should include an analysis of technical, environmental, economic and permitting issues, and an analysis of any impact on CAW's water rights, including an assessment of whether SWRCB approval may be obtained for a change to CAW's permitted diversions to storage at Los Padres Reservoir.

b. To assist in preparing the LPD Feasibility Study, CAW may rely on ongoing studies for which CAW has provided \$1.0 million in funding to MPWMD for certain studies concerning the fate of LPD ("MPWMD Studies"). As of the date of this Memorandum of Agreement, MPWMD anticipates completion of the MPWMD Studies by the end of 2018. CAW and NMFS agree to meet by June 30, 2018 to discuss the status of the MPWMD Studies, to determine what, if any, additional studies by CAW may reasonably be necessary for completion of the LPD Feasibility Study. If CAW and NMFS agree that additional studies are necessary, they may agree on an extended deadline for completion of the LPD Feasibility Study.

The MPWMD Studies include the following individual component studies:

i) LPD Fish Passage Feasibility Study: MPWMD and CAW are facilitating a study of volitional and other fish passage improvements to help inform the long-term management of LPD and the decision of whether to introduce improvements that would allow upstream volitional passage or improve the existing trap and transport program. Potential volitional fish passage alternatives will be identified and evaluated concurrently with the existing trap and transport program, and at least one upstream volitional alternative will be carried throughout the study. The study will consider technical feasibility (including both engineering feasibility and fish passage feasibility, biological feasibility, and economic feasibility (including financial feasibility and a cost effectiveness analysis), and will evaluate whether upstream passage facilities can also act in the downstream direction to provide enhanced opportunities for downstream migration. MPWMD anticipates that a draft fish passage feasibility report would be completed by the end of 2017.

ii) Los Padres Dam and Reservoir Alternatives and Sediment Management Study: MPWMD and CAW are facilitating a study to evaluate the effects of five alternatives to address sediment at LPD: (1) a no action alternative; (2) dam removal; (3) dredging reservoir sediments; (4) reservoir storage

-10-

MOA between CAW, NMFS, and the Conservancy 2017

expansion; and (5) sediment management (evaluating alternatives that would result in a sustaining long-term surface storage while minimizing downstream impacts on aquatic habitat). MPWMD anticipates a completion date in the second quarter of 2018, but completion could be delayed if permits are required from the Army Corps of Engineers and/or CDFW. In addition to the meeting to occur prior to June 30, 2018 identified in Section IV.A.1.b, above, to discuss the status of all of the studies, CAW and NMFS agree to meet by March 31, 2018, to discuss the status of this Sediment Management Study, to determine whether additional studies on interim sediment removal by CAW are necessary to complete the Sediment Management Study, and, if additional studies are needed, to determine a reasonable deadline for completion of those studies.

iii) Carmel River Basin Hydrologic Model: MPWMD is facilitating preparation of a hydrologic model to address freshwater availability in the Carmel River watershed, document water storage capabilities of surface water storage facilities and storage in the aquifer system, and refine and develop surface water/groundwater models to help better understand the aquifer system. The model will be used to estimate daily water availability in the Carmel River with various current and future demands, operational changes, and water supply alternatives scenarios. U.S. Geological Survey has agreed to calibrate the model and is expected to complete work in the spring of 2017. MPWMD anticipates a study completion date in the fourth quarter of 2017.

iv) Instream Flow Incremental Method Study of the Carmel River: MPWMD is facilitating preparation of an instream flow assessment for the Carmel River to support a variety of studies and efforts in connection with managing the Carmel River lagoon, evaluating options for the future of LPD, and evaluating operational changes due to proposed water supply projects that replace Carmel River diversions. Habitat typing was completed in 2015 and transects were selected in cooperation with CDFW in early 2016. Flow measurements were completed in 2016 and a 2-D daily time step hydraulic model to simulate passage in critical riffles in the lower river has been calibrated. Big Sur River habitat simulation model for the middle and upper portions of the river. MPWMD anticipates completion of the study in the second quarter of 2017.

Once the individual MPWMD studies are completed, MPWMD plans to consolidate the results to determine feasible options for LPD. MPWMD anticipates completing its studies of LPD alternatives by the end of 2018.

MOA between CAW, NMFS, and the Conservancy 2017

c. Within three months after completion of the LPD Feasibility Study, CAW and NMFS agree to meet to discuss the results of the LPD Feasibility Study. The parties may also determine that additional studies are needed, and a schedule for completion of additional studies will be developed at that time. Representatives from MPWMD and CDFW may also participate in the meeting and provide input.

d. CAW will make its final determination whether to remove the dam within six months following completion of the LPD Feasibility Study, unless the Parties agree that additional studies are necessary and agree to a later deadline.

e. If removal of LPD is found to be feasible and the Parties agree to removal CAW agrees to submit necessary petitions to the SWRCB for a Change of Method of Diversion, requesting a change from storage to direct diversion from wells for diversions under License 11866, and a Change of Point of Diversion, requesting to change the point of diversion to the lowermost wells in Sub-unit 3 of the Carmel Valley Alluvial Aquifer. Any changes to License 11866 must fully protect CAW's diversion rights, and SWRCB approval of such changes must be received prior to the removal of LPD. Changing the point of diversion for CAW's water right under License 11866 would also alleviate NMFS' ESA concerns related to CAW's operations from pumping under License 11866.

f. If found feasible, and the Parties agree to removal, CAW further agrees to remove LPD within five years after an alternative water supply, as described in the Final Environmental Impact Report/Environmental Impact Statement for the MPWSP, is implemented, subject to reasonable extensions based on permitting or other authorization requirements, or other conditions beyond CAW's control.

2. Interim measures pending the completion of the LPD Feasibility Study, and, if removal of LPD is found feasible and the Parties agree to removal, pending removal of LPD.

The following interim measures shall be implemented to ensure unimpeded steelhead passage upstream and downstream of the LPD. The Parties agree to make reasonable adjustments to individual deadlines stated below if reservoir levels or river flow regimes create conditions that would make the specified activity infeasible or that could be harmful to steelhead or their habitat if carried out within the time period provided.

a. Los Padres Dam and Reservoir Piping.

Three outlet structures currently exist at LPD to release water from Los Padres Reservoir. They are all tied to one intake pipe located in the reservoir approximately 30 feet from the dam at elevation 950' ("intake pipe"). The intake is approximately 36" in diameter. The intake pipe is currently not screened in accordance with NMFS' fish screen criteria.

MOA between CAW, NMFS, and the Conservancy 2017

i) CAW agrees to conduct or fund a study to investigate juvenile steelhead residence time and behavior in the Los Padres Reservoir to determine the need for screening the intake pipe. The study would inform future conservation actions if LPD remains in place, or pending removal of LPD, and future restoration projects aimed at recovering steelhead in the watershed. NMFS and CAW will agree on a study design by June 30, 2018, including a date for completion of the study and preparation of a final report, taking into consideration the scope of the study, site access, and acquisition of any necessary permits and authorizations. The study would provide valuable information on the behavior and residence time of steelhead in the Los Padres Reservoir.

ii) This study could be undertaken as part of existing studies, including as part of the existing MPWMD studies, the studies required as part of the CDO, or as part of the restoration projects.

b. Steelhead Passage Upstream

NMFS believes that redesigning and/or reconfiguring the existing ladder collecting fish for the trap and transport operation at LPD would improve attraction efficiency.

i) The Parties agree to meet within three months following execution of this Memorandum of Agreement to consider implementation, on an interim basis, of improvements to the trap and transport program including development of standard operating procedures (SOP) as well as design improvements to the existing ladder. Representatives from MPWMD and CDFW may also participate in these meetings and provide input. Any proposed design improvements to the existing ladder must be approved by NMFS prior to installation and must be implemented, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, within six months following execution of this Memorandum of Agreement. The Parties agree to provide reasonable extensions of this deadline to accommodate the acquisition of any permits or other authorizations that may be necessary depending on the improvements selected.

ii) The SOP would include at a minimum the following existing procedures: ensuring trap and transport operators have the appropriate education, training and/or experience; checking the trap daily from Monday through Saturday (including holidays) during the adult steelhead migration season of December through May and after the Carmel Lagoon sandbar is open; increasing the frequency of trap monitoring from December through May when more than one adult steelhead is observed in the trap or immediately downstream of the ladder until adult abundances decrease; checking the trap daily from Monday through Sunday (including holidays) when adult steelhead are moving upriver.

MOA between CAW, NMFS, and the Conservancy 2017

Steelhead adults are assumed to be moving upriver when they are found in the trap any Monday through Saturday; and using best efforts to check the trap at approximately the same time daily to ensure that no fish is kept in the trap longer than necessary.

iii) The following reports to NMFS will also be included in the SOP: weekly notification of trapping activities to NMFS during the adult steelhead migration; notifying NMFS within 24 hours of any steelhead mortalities or injuries within the trap or during transport activities; and providing a written summary on trap and transport operations to NMFS by August 15 of the year following any improvements to the trap and transport program.

c. Steelhead Passage Downstream

A feasibility study was completed in 2009, and the Alternative B—Floating Weir Surface Collector--was selected as the preferred alternative for improving steelhead migration, allowing juvenile and adult steelhead to migrate downstream past LPD. CAW implemented the Floating Weir Surface Collector and associated behavioral guidance system in 2016 to provide smolts, kelts, and juveniles suitable downstream passage while avoiding any potential harm associated with passage over the spillway.

i) CAW will continue to operate the Floating Weir Surface Collector.

d. Stored Sediment

Since the dam was constructed, sediment has been filling in the reservoir, with approximately 40 percent of the reservoir filled as of the execution of this Memorandum of Agreement.

i) CAW agrees to complete a feasibility study for methods to remove sediment behind the LPD and to improve fish passage and to maintain a migration channel in the sediment delta for up and downstream fish passage until LPD is removed. CAW and MPWMD are currently facilitating the LPD and Reservoir Alternatives and Sediment Management Study, which includes an evaluation of alternatives to address sediment behind LPD. MPWMD anticipates completion of the study in the second quarter of 2018, but completion could be delayed if permits are required from the Army Corps of Engineers and/or CDFW. As stated above in IV.A.1.b.ii., CAW and NMFS agree to meet by March 31, 2018 to discuss the status of the MPWMD Sediment Management Study, to determine whether additional studies on interim sediment removal by CAW are necessary, and, if additional studies are needed, to determine a reasonable deadline for completion of those additional studies.

MOA between CAW, NMFS, and the Conservancy 2017

ii) The Parties agree to meet within three months after completion of the sediment removal studies to consider implementation, on an interim basis, of measures to maintain a migration channel in the sediment delta. Any proposed design improvements must be approved by NMFS prior to installation and must be implemented, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, within three months following the Parties' meeting. The Parties agree to provide reasonable extensions of this deadline to accommodate the acquisition of any permits or other authorizations that may be necessary depending on the improvements selected.

e. Downstream Gravel Replenishment

Following receipt of any necessary discretionary approvals by applicable permitting agencies, and consistent with the requirements of any such approvals, CAW agrees to provide for gravel replenishment below the LPD, from sources such as the sediment delta behind LPD or other approved areas on a regular basis. This replenishment shall maintain spawning gravels downstream of LPD pending removal of LPD. Replenishment amounts, methods and scheduling are to be approved by NMFS prior to implementation. The Parties agree to meet within three months following execution of this Memorandum of Agreement to discuss a proposed replenishment plan and scheduling. Representatives from MPWMD and CDFW may also participate in the meeting and provide input. Following receipt of all necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, the Parties anticipate that gravel replenishment will begin in the fall of 2018. The Parties agree to meet on a regular basis to discuss status of this project and acquisition of any permits or other authorizations that may be necessary depending on the gravel replenishment methods selected.

3. Required Actions if the LPD is not Removed

If CAW determines not to remove LPD or if removal of the LPD is determined to be infeasible as a result of the MPWMD Studies, the following measures must be addressed to ensure permanent unimpeded passage for steelhead up and downstream of LPD. The Parties agree that these measures will continue as long as the dam remains in place. The Parties acknowledge that certain actions may require CAW to obtain permits or other authorizations from other agencies, and that such permit application processes may create delays beyond CAW's control, affecting CAW's ability to meet the belowlisted schedules. CAW will keep the Parties informed of any such delays in obtaining required permits, and the Parties agree to adjust schedules as may be necessary.

a. Passage upstream

The Parties agree that as long as the LPD remains in place, permanent unimpeded upstream passage for adult and juvenile steelhead is necessary.

MOA between CAW, NMFS, and the Conservancy 2017

i) The Parties agree to meet within three months of a determination that the LPD will remain in place to determine feasible permanent unimpeded upstream fish passage improvements to be implemented, if any. Improvements must be implemented, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, within six months following such meeting, unless the Parties agree on a different date. Representatives of MPWMD and CDFW may also participate in this meeting. Any proposed improvements must be approved by NMFS prior to implementation.

b. Passage downstream

The Parties agree that as long as the LPD remains in place, permanent unimpeded downstream passage for for kelts, smolts, and juveniles is necessary.

i) If NMFS determines that continued operation of the Floating Weir Surface Collector pursuant to IV.A.2c provides for unimpeded downstream passage for kelts, smolts, and juveniles, CAW will continue such operation.

ii) If NMFS determines that the interim measures for downstream fish passage implemented pursuant to IV.A.2.c do not provide permanent unimpeded downstream passage for kelts, smolts, and juveniles, the Parties agree to meet within three months of a determination to leave LPD in place to determine feasible permanent unimpeded downstream fish passage improvements to be implemented, if any. Improvements must be implemented, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, within six months following such meeting, unless the Parties agree on a different date. Representatives from MPWMD and CDFW may also participate in the meeting. Any proposed improvements must be approved by NMFS prior to implementation.

c. Stored Sediment

The Parties agree that unimpeded fish passage through the reservoir must be maintained throughout the life of the LPD.

i) The Parties agree to meet within three months of a determination to leave LPD in place to determine feasible measures to improve passage through the reservoir in addition to those identified in IV.A.3.b and c, if any. Improvements must be implemented, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, by within six months following such meeting unless the Parties agree to a different date. Representatives of

-16-

MOA between CAW, NMFS, and the Conservancy 2017

MPWMD and CDFW may participate in the meeting. Any proposed improvements must be approved by NMFS prior to implementation.

d. Downstream Gravel Replenishment

The Parties agree that as long as LPD remains in place, gravel replenishment downstream will be necessary for the life of the dam.

i) CAW agrees to continue to provide for gravel replenishment below the LPD, from sources such as the sediment delta behind LPD or other approved areas, on a regular basis This replenishment shall maintain spawning gravels downstream of LPD. Replenishment amounts, methods and scheduling are to be approved by NMFS prior to implementation.

B. CAW's Obligations with Respect to General Maintenance and Drainage of CAW Managed Roads

NMFS believes that many of the roads managed by CAW are dirt roads with inadequate drainage systems. Some of these roads may be able to be decommissioned now that San Clemente Dam has been removed, while other roads needed for access to CAW property may need to be upgraded and sloped correctly, with proper drainage to avoid sediment runoff into the streams and river. The Parties agree that maintenance and repair activities to prevent sediment runoff into streams and the river from roads and drainages would alleviate the need for any additional mitigation/take coverage for impacts to steelhead from CAW's roads.

1. Required Actions:

a. CAW agrees to complete an assessment of the roads managed by CAW to determine whether any roads managed by CAW are having an adverse impact on SCCC steelhead and their habitat and, if so, which roads need improvement, and which roads may be decommissioned within six months following execution of this Memorandum of Agreement.

b. If any roads managed by CAW are found to have an adverse impact on SCCC steelhead and their habitat, CAW agrees that, following receipt of any necessary discretionary approvals by applicable permitting agencies and consistent with the requirements of such approvals, within six months of completing the assessment described in Section IV.B.1.a, above, it will repair and maintain such dirt roads and drainages necessary for access to CAW operations in such a manner as to prevent sediment runoff into streams. CAW further agrees that maintenance of these roads will be conducted on a regular schedule for the life of the road. The Parties agree that repair and maintenance must provide protection to steelhead equivalent to or better than guidelines set forth in the *Handbook for Forest and Ranch Roads* (Weaver, W.E. and D.K. Hagans, 1994).

MOA between CAW, NMFS, and the Conservancy 2017

c. Within one year of the completion of the Carmel River Reroute and San Clemente Dam Removal ("CRRDR") Project, CAW agrees to decommission any of its roads that are no longer necessary for access to any CAW facilities or for long-term monitoring of the CRRDR Project.

C. CAW's Obligations with Respect to Planning for Long Term Legal Authorization for the Possible Future Take of Steelhead

The Parties agree to assess whether incidental take coverage for impacts to steelhead from any remaining CAW operations may be needed. NMFS expects that if LPD remains in place that CAW will apply for and receive an Incidental Take Permit (ITP) for ongoing take of listed steelhead. NMFS also expects that if CAW has applied for an ITP but no permit has been granted, this Agreement will be extended for the purpose of maintaining necessary measures while the permit application is pending.

1. Required Actions:

a. If LPD remains in place and unless incidental take is otherwise authorized, CAW agrees that, within two years from a decision to leave the LPD in place, CAW will submit an application for an ITP for any remaining take occurring from CAW's operations on the Carmel River following termination of this Memorandum of Agreement. CAW further agrees that this application will include a Habitat Conservation Plan.

b. If LPD remains in place and CAW has timely applied but has not yet obtained an ITP, the Parties further agree to meet at least one (1) year prior to the expiration of this Memorandum of Agreement to reach a new agreement on necessary measures for permanent unimpeded upstream and downstream fish passage, sediment management, and downstream gravel replenishment.

V. Annual Report Evaluating Status of Steelhead under the Amended CDO

Pursuant to the Amended CDO, CAW will provide annual funding in the amount of up to \$175,000 for preparation of an annual report evaluating the status of the threatened SCCC steelhead. If possible, NMFS Southwest Fisheries Science Center (SWFSC) will enter into a separate agreement to undertake these annual studies, pursuant to its authority under the Fish and Wildlife Coordination Act, 16 U.S.C. §§ 661-666c, and the Special Studies Authority, 15 U.S.C. § 1525. In the event that SWFSC is not able to prepare the report, CAW will designate another entity with the requisite expertise that NMFS finds acceptable. The annual funding of up to \$175,000 required by CAW under the Amended CDO and under any agreement with SWFSC for preparation of an annual report is in addition to CAW's commitment to pay \$5.5 million under Section II of this Memorandum of Agreement.

VI. ASR Agreement

CAW and NMFS will continue to cooperate pursuant to the ASR Agreement to allocate water to and from the Aquifer Storage and Recovery Project to offset withdrawal from the

MOA between CAW, NMFS, and the Conservancy 2017

Carmel River that would otherwise occur during the low-flow season, subject to any limitations imposed by the SWRCB.

VII. Take of SCCC Steelhead

NMFS has consulted under section 7 of the ESA to insure that NMFS' entrance into this Memorandum of Agreement is not likely to jeopardize listed species or destroy or adversely modify designated critical habitat. Based on this consultation, NMFS has concluded that it may enter into this Memorandum of Agreement and NMFS' signature indicates that NMFS has reached this conclusion. If for whatever reason the biological opinion is vacated, amended or withdrawn, NMFS will meet with CAW to discuss whether or how the agreement should be modified to insure that NMFS is in compliance with ESA section 7. The Parties' obligations under the Memorandum of Agreement will remain unchanged until the Parties agree on changes to the Memorandum of Agreement. NMFS will in making decisions about bringing or referring enforcement actions and appropriate penalties under Section 9 of the ESA consider CAW's compliance with its obligations under this Memorandum of Agreement to any unintentional take of ESA-listed fish.

VIII. NMFS' Cooperation with CAW and Other Agencies:

- A. NMFS and CAW recognize that the CPUC is CAW's primary regulatory agency. CAW is obligated to serve its customers in a cost-effective manner. CAW must obtain CPUC permission to fund activities such as environmental mitigation, and the rates charged to CAW's customers must be approved by the CPUC. NMFS acknowledges that in CAW's role as a CPUC regulated water provider, that it has an obligation to serve its customers.
- B. CAW is facing a plethora of permitting and regulatory issues related to CAW's quest to implement a replacement long-term water supply, to comply with the ESA and regulatory requirements of other federal and state agencies.
- C. Cooperation, as used herein, means providing comments on a project or course of action by writing letters, appearing at public meetings and hearings to speak or give testimony, and meeting with other government agencies, consistent with NMFS' authorization, mission, policies, and its ESA responsibilities, and taking into account the limitations imposed by staff time and resources.
- D. Cooperation shall not be read to create an obligation for NMFS, or any other line office or division of NOAA (e.g., Monterey Bay National Marine Sanctuary [MBNMS[), or any agency of the United States, to endorse, promote, take a position or advocate on behalf of CAW's application for a permit, authorization, or other approval of a particular long-term water supply proposal or the MPWSP.
- E. Nothing in this Memorandum of Agreement may be read to indicate any commitment on the part of NMFS, NOAA, FWS, EPA, or any agency of the United States to grant any permit, authorization, or other approval needed for any particular long-term water supply proposal or for the MPWSP. In particular, nothing in this Memorandum of Agreement may be read to indicate any commitment on the part of NMFS in regards

MOA between CAW, NMFS, and the Conservancy 2017

51

to its consultation under ESA section7 and Essential Fish Habitat under the Magnuson-Stevens Act on any federal permit, authorization or approval of a particular long-term water supply proposal or the MPWSP.

F. California Public Utilities Commission

1. NMFS will cooperate in CPUC proceedings related to certification of the Environmental Impact Report/Environmental Impact Statement ("EIR/EIS") under the California Environmental Quality Act for the MPWSP, and approval of the Certificate of Public Convenience and Necessity for the MPWSP, by explaining the importance of the recovery of the SCCC steelhead and the habitat of the Carmel River, and the environmental benefits of a replacement long-term water supply compared to the environmental detriment of continuing the current water supply for the Monterey Peninsula.

2. NMFS will cooperate in any CPUC general rate proceedings concerning the recovery in rates of costs of a replacement long-term water supply project and funds paid for mitigation by explaining to the CPUC: (1) the benefits to steelhead of any mitigation funds paid pursuant to any agreement with NMFS; (2) the penalties applicable to violations of the ESA; and (3) that compliance with the ESA is mandatory.

G. State Water Resources Control Board ("SWRCB")

If NMFS concludes after CAW completes the study identified in IV.A.2 that installation of a fish screen on the intake pipe upstream of LPD is not warranted, NMFS will cooperate by providing information to the SWRCB as to the findings of the study and the reasons for its conclusions.

- H. Other Agencies with Permitting/Regulatory Authority over the MPWSP.
 - 1. Monterey Bay National Marine Sanctuary ("MBNMS")

CAW has applied for authorization and a special use permit from NOAA's MBNMS under the National Marine Sanctuaries Act, 16 USC 1431 *et seq.*, for MPWSP's installation and operation of intake pipes in the Sanctuary, and discharge of waste brine into the sanctuary. NMFS will also provide information to personnel who manage MBNMS regarding the potential benefits for listed threatened steelhead and their habitat of a replacement long-term water-supply project. Nothing in this Memorandum of Agreement may be read to indicate any commitment on the part of NOAA (MBNMS, NMFS, or any line office of NOAA) to grant a NMS permit or authorization for a particular long-term water supply proposal or the MPWSP.

2. California Coastal Commission ("CCC")

A Coastal Development Permit from CCC is required for the MPWSP. NMFS will cooperate with CAW by explaining to CCC the critical need for threatened

-20-

MOA between CAW, NMFS, and the Conservancy 2017

SCCC steelhead and their habitat for the replacement of a long-term water supply for Carmel River.

3. State Water Resources Control Board ("SWRCB")

The second component of the MPWSP is ASR in the Seaside Basin, which may require additional water rights approvals from SWRCB. NMFS has supported the concept of ASR for years. NMFS will cooperate with CAW regarding the benefits of diversions to ASR during times of excess flow on the Carmel River. NMFS will meet and confer with CAW to discuss any of its concerns with CAW'S ASR permit applications before commenting publicly, unless doing so would be inconsistent with statutory or regulatory authority.

4. U.S. Fish and Wildlife Service ("USFWS")

NMFS will cooperate with CAW by providing information to USFWS related to the benefits to threatened SCCC steelhead of a replacement long-term water supply project. Nothing in this Memorandum of Agreement may be read to indicate any commitment on the part of FWS in regards to its consultation under ESA Section 7 on any federal permit, authorization or approval for a particular long-term water supply proposal or the MPWSP.

5. California Department of Fish and Wildlife

NMFS will cooperate with CAW regarding CDFW issues related to permits for a replacement long-term water supply project.

I. Agencies With Permitting/Regulatory Authority for Activities Under This MOA

NMFS commitments with respect to the MPWSP are addressed above. With respect to other approvals or permits for activities under this MOA, NMFS will cooperate with CAW regarding any approvals or permits that may be necessary prior to carrying out any activities contemplated under this Agreement; provided, however, that such cooperation shall not limit any discretion to be exercised by NMFS, NOAA, FWS, EPA, or any agency of the United States to grant any such approval or permit.

IX. Term of Memorandum of Agreement:

A. This Memorandum of Agreement shall expire 364 calendar days following the fifth (5th) anniversary of the Effective Date of the Memorandum of Agreement. However, the Parties recognize that certain terms and milestones of this Memorandum of Agreement will extend beyond that expiration date. Accordingly, the Parties agree to exercise the meet and confer obligation set forth in Section IX(D) below not later than six (6) months prior to the expiration date in order to negotiate in good faith, and using their best efforts, an amendment to this Memorandum of Agreement. The Parties understand that this amendment may include the extension of any or all of the terms of this Memorandum of Agreement as are relevant at the time, adopting new

52

MOA between CAW, NMFS, and the Conservancy 2017

terms, or that circumstances may require that the Memorandum of Agreement not be renewed.

- B. Notwithstanding the expiration of this Memorandum of Agreement pursuant to Section IX(A), the Conservancy shall continue to comply with all requirements of the Memorandum of Agreement until such time as all funds paid to the Conservancy by CAW have been expended and the Conservancy has provided a final accounting report to NMFS and CAW, pursuant to Section II(C).
- C. The term of this Memorandum of Agreement may be extended by mutual written consent of the Parties, or as specified in Section IX(A) above.
- D. The Parties recognize that certain terms and milestones of this Memorandum of Agreement will extend beyond the expiration date. By the start of year three of this Memorandum of Agreement NMFS and CAW shall meet and confer regarding: (i) the progress of actions funded by this Memorandum of Agreement to improve habitat conditions for or otherwise aid in the recovery of SCCC steelhead; and (ii) authorizing any take of SCCC steelhead caused by CAW's operations that may remain at the expiration of this Memorandum of Agreement. Either party may call for such meeting no earlier than two years prior to the expiration of this Memorandum of Agreement. This meet and confer obligation is in addition to the discretion of the parties to extend this Memorandum of Agreement pursuant to Section IX(A) and (C).

X. Effective Date:

The Effective Date of this Memorandum of Agreement means the date on which all Parties have signed the Memorandum of Agreement.

XI. Miscellaneous Provisions:

- A. By entering into this Agreement, the Parties do not limit their discretion or the discretion of any other governmental agency with permitting or approval jurisdiction over any transaction related to or arising from this Agreement, nor do they make any irreversible and irretrievable commitment of resources. In addition, and notwithstanding anything to the contrary stated herein, any obligation of a Party or any timeline or deadline stated herein shall not limit the discretion of any public agency to consider, approve, reject and/or condition any permit or other approval required for any activity covered in this Agreement, and shall not limit or predetermine any environmental review for such activity. This subsection is not to be construed as altering the commitments set forth in Section VIII.H.
- B. The Parties must comply with all obligations under this Agreement, except any obligation that would violate or otherwise be inconsistent with applicable law. If any obligation would violate or otherwise be inconsistent with applicable law, the Parties must comply with all remaining obligations.

53

MOA between CAW, NMFS, and the Conservancy 2017

- C. Any Party may issue a press release regarding the contents of this Memorandum of Agreement.
- D. The provisions of this Memorandum of Agreement shall apply to and be binding upon the Parties and their respective successors and assigns.
- E. The Parties recognize the authority and expertise of the State Water Resources Control Board to regulate, inter alia, CAW's water diversion activity on the Carmel River. Accordingly, CAW's compliance with the conditions and milestones of State Water Resources Control Board Order No. WR 2016-0016 and any future amendments of same occurring within the pendency of this Memorandum of Agreement, are required under this Memorandum of Agreement.
- F. For purposes of this Memorandum of Agreement, a determination that CAW has failed to comply with any condition or milestone of WR2016-0016, and any future amendments of same which occur during the pendency of this Memorandum of Agreement, shall be based on a finding of the State Water Resources Control Board.
- G. Agreement Sections I, II and III of the Conservation Agreement, except any obligations to increase well capacity in the lower Carmel Valley as previously required by Phase II Tier I, Agreement Sections I and II of the 2009 Settlement Agreement as amended, and the ASR Agreement are expressly incorporated herein by reference. Any modification of this Memorandum of Agreement shall be in writing and signed by the Parties.
- H. All notices and communications required under this Memorandum of Agreement shall be made to the Parties through each of the following persons and addresses:

<u>Party</u>	Contact Name/Title	Mailing Address	Phone/Fax
CAW	Richard C. Svindland President California-American Water Company	655 West Broadway Suite 1410 San Diego, CA 92101	Phone: 619-446-4761 Fax: 619-230-1096
NMFS	Alecia Van Atta Assistant Regional Administrator for California Coastal Office, West Coast Region	777 Sonoma Ave., Rm. 325 Santa Rosa, CA 95404	Phone: 707-575-6058 Fax: 707-578-3435
Conservancy	Sam Schuchat Executive Director California State Coastal Conservancy	1550 Clay Street, Suite 1000 Oakland, CA 94612-2530	Phone: 510-286-1015 Fax: 510-286-0470

MOA between CAW, NMFS, and the Conservancy 2017

- I. This Memorandum of Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and such counterparts shall constitute one and the same agreement.
- J. Each undersigned representative of a party to this Memorandum of Agreement certifies that he or she is fully authorized by that party to enter into and execute the terms of this Memorandum of Agreement and legally bind such party to this Memorandum of Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement as of the dates written below.

ACCEPTED ON BEHALF OF CALIFORNIA-AMERICAN WATER COMPANY BY:

luch

Richard C. Svindland President California-American Water Company

DATED: Jar 10, 2018

ACCEPTED ON BEHALF OF THE NATIONAL MARINE FISHERIES SERVICE BY:

Barry A. Thom Regional Administrator, West Coast Region National Marine Fisheries Service, NOAA

DATED:

ACCEPTED ON BEHALF OF THE CALIFORNIA STATE COASTAL CONSERVANCY BY:

Sam Schuchat Executive Officer California State Coastal Conservancy

DATED:

55

MOA between CAW, NMFS, and the Conservancy 2017

- I. This Memorandum of Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and such counterparts shall constitute one and the same agreement.
- J. Each undersigned representative of a party to this Memorandum of Agreement certifies that he or she is fully authorized by that party to enter into and execute the terms of this Memorandum of Agreement and legally bind such party to this Memorandum of Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement as of the dates written below.

ACCEPTED ON BEHALF OF CALIFORNIA-AMERICAN WATER COMPANY BY:

Richard C. Svindland President California-American Water Company

DATED: _____

ACCEPTED ON BEHALF OF THE NATIONAL MARINE FISHERIES SERVICE BY:

Barry A. Thom Regional Administrator, West Coast Region National Marine Fisheries Service, NOAA

Dec. 21,2017 DATED:

ACCEPTED ON BEHALF OF THE CALIFORNIA STATE COASTAL CONSERVANCY BY:

Sam Schuchat Executive Officer California State Coastal Conservancy

DATED:

MOA between CAW, NMFS, and the Conservancy 2017

- I. This Memorandum of Agreement may be executed in one or more counterparts, each of which shall be deemed an original, and such counterparts shall constitute one and the same agreement.
- J. Each undersigned representative of a party to this Memorandum of Agreement certifies that he or she is fully authorized by that party to enter into and execute the terms of this Memorandum of Agreement and legally bind such party to this Memorandum of Agreement.

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement as of the dates written below.

ACCEPTED ON BEHALF OF CALIFORNIA-AMERICAN WATER COMPANY BY:

Richard C. Svindland President California-American Water Company

DATED:

ACCEPTED ON BEHALF OF THE NATIONAL MARINE FISHERIES SERVICE BY:

Barry A. Thom Regional Administrator, West Coast Region National Marine Fisheries Service, NOAA

DATED:

ACCEPTED ON BEHALF OF THE CALIFORNIA STATE COASTAL CONSERVANCY BY:

Sam Schuchat Executive Officer California State Coastal Conservancy

DATED:

MOA between CAW, NMFS, and the Conservancy 2017

TABLE 1:

Due Date	Payme	ent Amount
July 1, 2017, or 30 days after the Effective Date, whichever date is later	\$	1.1 million
July 1, 2018	\$	1.1 million
July 1, 2019	\$	1.1 million
July 1, 2020	\$	1.1 million
July 1, 2021	\$	1.1 million
	Total: \$	5.5 million

Exhibit B - Scope of Work

Task 1. Project Description MPWMD estimates that up to a maximum of about 1,500 tons of gravel can be placed downstream of the Los Padres Dam spillway plunge pool in a single year, but that additional amounts could be stockpiled for placement at a later date. MPWMD estimates that up to 2,000 tons of gravel could be placed over a period of three years. Cal-Am and the MPWMD shall jointly develop a refined scope of work for the Project including volumes of gravel to be replenished, a map showing stockpile area(s) and placement location(s), and specifications for gravel size and method of placement.

Task 2. NMFS Approval Cal-Am and MWPMD shall seek approval from the National Marine Fisheries Service concerning replenishment amounts, methods and scheduling prior to beginning work on CEQA compliance and making application for permits.

Task 3. CEQA Compliance MPWMD shall be Lead Agency on the Project for compliance with requirements of the California Environmental Quality Act. This Agreement anticipates making a determination that the Project work qualifies as an exempt activity under CEQA Section 15304 (d) – Minor Alterations to Land. MPWMD may retain a qualified consultant to assist with permit applications and acquisition. Cal-Am shall be named as Owner and MPWMD shall act as Agent for the Owner in acquiring permits for the Project.

Task 4. Permit Acquisition Prepare and submit permit applications to the Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Board, and Monterey County.

Task 5. Contractor Selection Cal-Am shall select the contractor to provide and place replenish gravel. Cal-Am shall enter into a contract with the contractor for such work.

Task 6. MPWMD Project AdministrationMPWMD shall provide onsiteproject management during the stockpiling and placement of material.

Exhibit C - Budget

Estimated Costs

	Activity	Amount (\$)
Task		
1	Project description	0
2	Obtain NMFS approval	0
3	CEQA determination	0
4	Permit acquisition (Consultant and application fees)	\$45,000
6	MPWMD Project Administration	0
Optional	Cal-Am Project Administration	\$15,000
	Total	\$60,000

<u>Notes</u>

1. Permit acquisition costs are preliminary.

Exhibit D – Schedule

Description

Task 1 and 2 Complete detailed scope of work for review (Cal-Am and MPWMD)

Task 3 CEQA compliance (MPWMD)

Task 4 Prepare and submit permit applications to the Corps, CDFW, RWQCB, and Monterey County (MPWMD)

Task 5 Contractor selection (Cal-Am)

Task 6 Onsite project management (MPWMD) within 60 days of agreement execution

within 60 days of NMFS approval of project scope

within 60 days of CEQA determination

within 60 days of receipt of all permits

to be provided each construction season (i.e., between July 1 and October 31)

Deadline

64



Denise Duffy & Associates, Inc.

PLANNING AND ENVIRONMENTAL CONSULTING

April 2, 2018

Larry Hampson District Engineer Monterey Peninsula Water Management District 5 Harris Ct., Bldg. G Monterey, CA 93942

Subject: Permit Assistance for the Los Padres Dam Gravel Augmentation Project

Dear Mr. Hampson:

Denise Duffy & Associates, Inc. (DD&A) appreciates the opportunity to provide permitting assistance services for the Los Padres Dam Gravel Augmentation Project to the Monterey Peninsula Water Management District (MPWMD). As we understand, the project proposes from 1,500 to 2,000 tons of gravel be placed downstream of the Los Padres Dam spillway plunge pool (1,500 in a single year, up to 2,000 tons of gravel over a period of three years). DD&A will be retained to assist MPWMD in obtaining the necessary permits from U.S. Army Corps of Engineers' (USACOE) Section 404 permit, Central Coast Regional Water Quality Control Board (CC-RWQCB) Section 401 National Pollutant Discharge Elimination System (NPDES) permit, and County of Monterey Grading Permit.

If you have any questions, please do not hesitate to contact me at (831) 373-4341 ext. 13. We look forward to working with the District on this project.

Sincerely,

enise Duffy

Denise Duffy Principal DENISE DUFFY & ASSOCIATES, INC.

TASKS and OVERVIEW OF SCOPE

Task 1. Project Initiation

This task includes coordination with the MPWMD to further define the scope and project path, identify data needs, confirm deliverables, and establish schedules and protocols for communication. DD&A will coordinate with the District to obtain all relevant project information, including the project description, site plans, aerial photographs, and other pertinent documentation. DD&A will review the project information to evaluate existing environmental conditions, data sets and plans as required for permit acquisition. This task also includes confirmation of required level of environmental review.

Task 2. Communication and Coordination with Regulatory Agencies

DD&A will prepare a detailed list of application requirements early in the process so that the District has a clear definition of items needed for the permit processing. DD&A's approach to the permitting requirements is based on direct and recent experience, familiarity with regulatory agency staff and protocol, and successful completion of permit acquisition.

Task 3. Preparation of Permit Application Packages

DD&A will prepare and submit permit applications to the Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Board, and Monterey County.

USACOE Section 404 Permit

DD&A will assemble the application package which will include the required form and project information. USACOE will review the application for completeness, and if the application is incomplete, request additional information within 30 days. The USACOE will decide on all applications not later than 60 days after receipt of a complete application. USCOE will initiate Section 7 consultation with USFWS and NOAA Fisheries based on the effects determination included in the Biological Assessment.

CC-RWQCB Section 401 NPDES Permit

Projects involving discharges of dredged or fill material into waters of the United States, including wetlands and other water bodies, that require a Section 404 permit also require a Section 401 permit. DD&A will prepare and submit a Section 401 permit application for RWQCB approval.

CDFW LSAA Permit

DD&A will prepare and submit the Streambed Alteration Agreement application materials to CDFW for the project. The draft agreement will include measures to protect fish and wildlife resources while conducting the project. If it is determined that the notification package is incomplete, CDFW will specify the information needed to make it complete. Once the notification package is complete, CDFW will process the notification. After CDFW receives a complete notification package, it has 60 days to submit a draft agreement. This task includes one round of comments/revisions from the District.

County of Monterey Grading Permit

DD&A will compile needed permit application materials for the required grading permit under Monterey County Resources Management Agency.

Task 4. Assistance with Processing Permits/Additional Permits

DD&A will coordinate with permitting agencies to address comments, data gaps, and concerns that arise during permit processing. Should additional permitting assistance be required, DD&A will complete assigned tasks for processing as requested.

BUDGET and SCHEDULE

The tasks required to complete the documentation for the necessary permits will be billed on a Time and Materials (T&M) basis. Attached is DD&A 2018 Fee Schedule.

DD&A is available to initiate the work immediately upon receiving signed authorization from the District.



Denise Duffy & Associates, Inc.

PLANNING AND ENVIRONMENTAL CONSULTING

2018 SCHEDULE OF RATES

HOURLY PERSONNEL RATES

Direct reimbursable expenses are charged at DD&A cost, plus 15%. These expenses may include, but are not limited to: subconsultants, reproduction, courier, postage, long-distance phone, fax and cellular, mileage and field supplies. Mileage will be charged at the current IRS mileage rate.

Above rates are effective through 12/31/18 and may be adjusted thereafter.

ITEM: CONSENT CALENDAR

6. CONSIDER AUTHORIZING AN AMENDMENT TO THE AGREEMENT FOR SERVICES FOR THE LOS PADRES DAM AND RESERVOIR ALTERNATIVES STUDY

Meeting Date:	April 16, 2018	Budgeted:	No
From:	David J. Stoldt General Manager	Program/ Line Item No.:	Water Supply Projects 1-1-2
Prepared By:	Larry Hampson	Cost Estimate:	\$141,000 (potential 50% reimbursement)

General Counsel Approval: N/A

Committee Recommendation: The Administrative Committee reviewed this item on April 9, 2018 and recommended approval.

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

SUMMARY: The District and Cal-Am are working cooperatively to develop a comprehensive long-term management plan for Los Padres Dam and Reservoir. The District has entered into an agreement with AECOM, Inc. for \$560,000 to carry out an alternatives study for Los Padres Dam. As described in **Exhibit 6-A**, AECOM is requesting an increase of just over \$140,000 in the contract amount to account for services that are outside of the scope of the original agreement and to account for unexpected delays in project work. District staff have requested that California American Water consider reimbursing the District for up to 50% of the cost of these added tasks.

RECOMMENDATION: Authorize the General Manager to amend an existing agreement with AECOM, Inc. for the Los Padres Dam alternatives study to increase the not-to-exceed amount by \$141,000.

DISCUSSION: The budget request deals with expenditures that are outside of AECOM's original scope of work and that are mostly unanticipated costs. The costliest item relates to analysis of the 1947 reservoir topo that was found to be flawed and incorporation of new data that are important to the question of sediment transport and effects. There are also additional costs associated with the involvement of CDFW and NMFS in the analysis and work products completed by AECOM.

The 1947 topography by Cal-Am's predecessor (California Water and Telephone) was found to be in error by overstating the valley width by about 50 feet along a significant portion of the reservoir. This error resulted in overestimating the original capacity of the reservoir by about 10% or about 300 acre-feet (AF). This has some effect to the dam alternatives analysis, both on the long-term siltation rate at the reservoir and in determining how much storage capacity could be recovered at the reservoir through dredging.

Shortly after AECOM and MPWMD entered into an agreement for services, the extremely wet winter of 2017 resulted in another slug of sediment from the upper watershed entering the reservoir. California State University at Monterey Bay was asked by the District to conduct a

follow-up bathymetric survey to the one carried out in 2016. The 2017 survey confirmed a loss of about 4.5% of original storage capacity or about 130 AF. Results from the survey need to be incorporated into an updated summary of the siltation rate at the reservoir.

Evaluation of dam alternatives has become more complex as the Technical Review Committee set up to guide the effort evaluates fish passage alternatives and tries to understand how those alternatives might affect the decision about the long term fate of Los Padres Dam. Both the National Marine Fisheries Service and the California Department of Fish and Wildlife have consistently asked for additional information and time to review the various technical memos and recommendations from both AECOM, the consultant for the dam alternatives analysis, and HDR, the consultant for the fish passage alternatives analysis that have resulted in delays to both studies.

IMPACT TO STAFF/RESOURCES: Funds for this contract amendment would be included in the FY 2018-19 budget. Staff has asked Cal-Am to reimburse the District for up to 50% of this cost.

EXHIBIT

6-A AECOM Budget Amendment Request

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\06\Item-6.docx$

AECOM

AECOM 300 Lakeside Drive Suite 400 Oakland, CA 94612 www.aecom.com 510-893-3600 tel 510-874-3268 fax

March 27, 2018

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

Subject: Budget Amendment Request for Los Padres Dam & Reservoir Alternatives & Sediment Management Study, AECOM Project No. 60536296

Dear Mr. Hampson,

The AECOM Team is requesting additional budget for the Los Padres Dam and Reservoir Alternatives and Sediment Management Study. The attached scope describes the additional work already completed or requested by the TRC that is outside of the original scope of the project. This work includes resolving data discrepancy issues during characterization of accumulated reservoir sediments and incorporating new topography data into the reservoir sediment volume calculation (Subtask 2-1), TRC requests for additional work related to the development of the sediment transport model (Subtask 2-3), an additional TRC meeting (Task 4-1), and project management resulting from an extended project schedule (Task 6). We have also included an optional task that consists of an additional BESMo simulation and a 10 percent allowance for additional supplementary services. Table 1 summarizes the budget we are requesting for this additional scope.

Task	Description	Hours	Budget
2	Sediment Management Options	362	\$81,981
2-1	Obtain and Analyze Reservoir Sediment Samples	189	\$31,560
2-3	Evaluate Geomorphic Effects of Changes in Sediment Load	173	\$50,421
4	Identify Feasible Alternatives	128	\$20,221
4-1	TRC Meeting No. 2b	128	\$20,221
6	Project Management	103	\$19,804
6-1	Project Administration	51	\$8,890
6-2	Meetings and Conference Calls	52	\$10,914
	Subtotal	593	\$122,006
Task	Description	Hours	Budget
С	Optional Tasks		
C-1	Additional BESMo Simulation	29	\$5,920
C-2	10 Percent Allowance for Supplementary Services	N/A	\$12,201
	Subtotal	29	\$18,121
		Hours	Budget
	Total with Optional Tasks	622	\$140,127

Table 1. Summary of budget amendment request



To maintain project schedule and to facilitate tracking of project progress and budgets, we recommend that this amendment be reviewed and approved within the next month. If you have any questions, please contact Katie McLean at 510-874-3170.

Sincerely,

fatie Milen

Katie McLean Interim Project Manager AECOM

Mala lum Noel Wong Project Director, Vige President AECOM

Los Padres Dam and Reservoir Alternatives and Sediment Management Study

Budget Amendment Request (3/27/2018)

The following scope of work describes additional work or effort, beyond that included in the original scope of work approved by MPWMD February 2017, required to complete the Los Padres Dam and Reservoir Alternatives and Sediment Management Study. These scope additions are primarily related to data discrepancy issues discovered and resolved during characterization of accumulated reservoir sediments and incorporation of new topography data into the reservoir sediment volume calculation in the Sediment Characterization TM (Subtask 2-1), accommodation of the Technical Review Committee's desire to have greater involvement in development of the sediment transport model (Subtask 2-3), an additional TRC meeting (Task 4-1), and an extended project schedule (Task 6). We have included an optional task that consists of an additional BESMo simulation and a 10 percent allowance for additional unanticipated services. Some of this work has already been completed in order to allow the Sediment Characterization TM and the Geomorphic Effects TM to proceed, and some of it is upcoming. Additional details are provided below.

Subtask 2-1 Obtain and Analyze Reservoir Sediment Datasets

The level of effort to complete this task was greater than anticipated due to discrepancies in existing data upon which the sediment characterization analysis relied. These data discrepancies are described in detail in the progress report dated October 13, 2017, and this work was completed in October 2017. The first data discrepancy was between bathymetric datasets that describe the lower, basin portion of Los Padres Reservoir. Bathymetry data collected by HDR in 2016 shows a surface significantly lower compared to the more recent 2017 survey by California State University, Monterey Bay (CSUMB). Although the reason for the discrepancy remains unknown, the AECOM Team spent substantial staff resources analyzing and attempting to resolve the issue because we had intended to use both datasets in our analysis.

The more significant level of effort resulted from a second data discrepancy discovered after AECOM had completed the planned analysis to quantify and characterize sediment accumulated in Los Padres Reservoir. The analysis was first completed as planned, with heavy reliance on the storage volume and stage-storage curve for Los Padres Reservoir that was developed by others based on the 1947 topographic survey of the original ground surface now under the reservoir. A quality control check that involved comparing cross sections of a surface created from the 1947 survey data to the 2017 surface revealed that the 1947 survey shows a valley width in the reservoir area narrower than what actually exists, in some cases by as much as 50 feet. Therefore, the original storage volume of Los Padres Reservoir, as well as the amount of sediment accumulated in the reservoir, is probably less than has previously been estimated by others. After substantial analysis of the available surfaces, internal discussion, and discussion with MPWMD, AECOM concluded that the analysis already completed did not accurately reflect current conditions in Los Padres Reservoir. Therefore, we completed a second and

more labor-intensive approach to estimating sediment accumulation in Los Padres Reservoir that involved creating multiple cross sections and end area calculations. In light of the discrepancy between the 1947 survey data and actual valley width conditions, this end area analysis provided results that are more accurate, and produced a new estimate of the original reservoir storage volume. The analysis and results were presented in the Sediment Characterization TM. (Completed December 2017)

In March 2018, MPWMD requested that the AECOM Team incorporate recent topography data collected by USGS and CSUMB into the Sediment Characterization TM. In the Sediment Characterization TM delivered in December 2017, the reservoir sediment volume below the normal maximum water surface (NMWS) elevation was estimated using bathymetric data collected by CSUMB in 2017, while the volume above the NMWS elevation was estimated based on LiDAR data collected by USGS in 2010. The topography at Los Padres Reservoir has changed significantly since the LiDAR data was collected in 2010, particularly in 2016, which was a wet water year. Therefore, adjusting the reservoir volume calculation using the more recent topography data will improve the reservoir sediment volume estimate, particularly in the region upstream of the NMWS elevation.

Subtask 2-3 Evaluate Additional Geomorphic Effects of Changes in Sediment Load

- 1. New Spin-up run: At the request of the TRC, the AECOM Team built a "San Clemente Dam No Action" simulation to permit comparison of BESMo model results vs. those generated and reported by URS in 2011 as a part of the Carmel River Reroute and Dam Removal final EIR process. Of note, the work involved substantial and careful review of the Mussetter and URS modeling efforts in order to understand BESMo model performance vs. these other channel evolution modeling efforts. The primary emphasis of the careful reviews was to understand how earlier modeling efforts treated the mainstem Carmel bed erodibility and subsurface sediment size gradations, and the District authorized this effort. (Completed November 2017)
- 2. Recently compiled additional long profile evaluation and work up for analysis: At the request of MPWMD, the AECOM Team is pursuing two different profile analyses. First, MPWMD has forwarded profiles from 1980 and 2017, in an attempt to identify general river bed elevation adjustment trends over the period of the two profiles. MPWMD has requested that we consider these data in our analysis and interpretation of model performance, and incorporate the 2017 profile within our analysis and reporting of BESMo simulation results. Second, the TRC has requested that the AECOM Team evaluate BESMo performance vs. profile adjustments measured at the former San Clemente site following Water Year 2017. Local profiles collected by the USGS and CSUMB will be used for the latter request. This will require time to build input files, align stationing between data sets and develop reporting specific to the WY2017 simulation results. Last, the TRC and MPWMD requested that we use this new dataset in the process of validating and comparing BESMo performance versus that measured via the profiles. In order to prepare a meaningful comparison, we may need to modify the model build to include nodes that are roughly 50 meters apart through the former San Clemente site and for a

few hundred meters downstream of the former dam. The present model build has only two nodes through this roughly 1,000 meters of reach length.

Deliverable(s): For the second request, results will be summarized in a brief technical memorandum (TM) to be delivered to the TRC in April 2018, which includes details on simulation build and possible constraints related to simulation departure from measured conditions if there are significant differences.

3. Model build pre-approval (new requisite): At the request of the TRC, the AECOM Team will prepare summary TMs which document model build for each selected project alternative. The purpose of the summary TMs is to provide the TRC with the information needed to approve or request modification of model build with respect to each selected project alternative.

Deliverable(s): Brief TMs with sufficient detail of each model build for each selected dam alternative to facilitate TRC/MPWMD review, comment, and ultimate approval, scheduled for submittal between March and June 2018.

4. Reservoir volume available for evacuation: At the request of the TRC, the AECOM Team will analyze the reservoir deposit geometry in order to estimate a volume of sediment available for evacuation in the event that a channel establishes in the deposit. Under this scenario, the channel dimensions will be set by the channel slope and the side slope steepness, which is set by the geotechnical/engineering geologic properties of the deposit materials. This additional effort will be necessary to constrain the volume of sediment available under certain dam alternative scenarios. Existing model build assumes sediment volume evacuated from the reservoir represents 100% of the total sand and gravel volume deposited in the reservoir since dam construction. Given the sensitivity of downstream sedimentation potential to the evacuated sediment volume, a more refined available sediment estimate is warranted.

Assumptions

 Provided all information needed is available, one week will be needed to construct model builds for each of the simulations described under #3. Each of the three proposed simulations will go through a separate approval process summarized and documented by a model build summary memo which the AECOM Team will provide for TRC and MPWMD review and approval and/or comment. Up to one day of model build refinement is assumed with each approval process.

Subtask 4-1 TRC Meeting No. 2b

In December 2017, the AECOM Team and MPWMD discussed whether to hold TRC Meeting No.
 2 on January 18, 2018. The TRC's request to review the BESMo spin up run and trial runs and to provide input on the model scenarios had extended the timeline for Task 2-3, and therefore results of Tasks 2-3 and Task 3 would not be available by the time of the meeting. During a conference call on December 15, 2017, MPWMD and the AECOM Team decided to hold TRC Meeting No. 2 on January 18, 2018 to review the recently completed Final Sediment

Characterization TM and Draft Alternatives Descriptions TM, to review the BESMo spin up run and trial runs, and to solicit TRC input on the BESMo model scenarios. MPWMD and the AECOM Team agreed that an additional TRC meeting, TRC Meeting No. 2B, will be held after results of Tasks 2-3 and Task 3 are available and will cover the other topics originally scoped for TRC Meeting No. 2.

Deliverable(s): Workshop agenda provided prior to TRC Meeting No. 2B. Meeting report with notes from TRC Meeting No. 2B describing the alternatives considered and discarded, conclusions, and recommendations for further analysis, to be provided 2 weeks after completion of the meeting.

Assumptions

• Costs for TRC Meeting No. 2B are assumed to be the same as TRC Meeting No. 2.

Subtask 6-1 Project Administration

The March 7, 2018 draft schedule extended the project timeline to 128 weeks, an increase of 54 weeks from the original project schedule. The Consultant Project Manager will continue to perform standard project management tasks, including coordination among AECOM Team participants and subconsultants, the TRC, MPWMD, and third parties; scheduling; budget tracking; invoicing; health and safety; and quality management during these additional 54 weeks.

Subtask 6-2 Meetings and Conference Calls

The December 21, 2017 schedule update extended the project timeline to 128 weeks, an increase of 54 weeks from the original project schedule. The Consultant Project Manager will continue to facilitate meetings and conference calls (in addition to the TRC meetings) with MPWMD, Cal-Am, and other interested parties to coordinate various aspects of the Study.

Optional Tasks

- 1. Additional BESMo Simulation: We are assuming that the TRC will request simulation of a 4th project alternative. This task will only be executed with written request from MPWMD.
- 2. Supplementary Services: A 10 percent allowance has been included to account for unanticipated additional requests from MPWMD or the TRC. This task will only be executed with written request from MPWMD.

ITEM: CONSENT CALENDAR

7. AUTHORIZE ADDITIONIAL EXPENDITURE FOR PASSIVE INTEGRATED TRANSPONDER (PIT) TAG READING EQUIPMENT TO MONITOR JUVENILE STEELHEAD EMIGRATION AND EVENTUAL ADULT RETURNS

Meeting Date:	April 16, 2018	Budgeted:	Yes
From:	Dave Stoldt, General Manager	Program/ Line Item No.:	Aquatic Resources/ Fisheries 2-3-1 H.
Prepared By:	Kevan Urquhart	Cost Estimate:	\$3,200

General Counsel Approval: N/A Committee Recommendation: The Administrative Committee reviewed this item on April 9, 2018 and recommended approval. CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act guidelines section 15378.

SUMMARY: The District has been cooperating with the National Marine Fisheries Service, Southwest Fisheries Science Center (NMFS-SWFSC) since 2013 to tag juvenile steelhead with half-duplex (HDX) Passive Integrated Transponder tags (PIT-tags). In fall of 2017, the district purchased parts to add to NMFS-SWFSC stock, in order to put together two more arrays in the mainstem river. The two arrays are located at Scarlett Well and at Sleepy Hollow Bridge. One of the controllers at the Sleepy Hollow Bridge is malfunctioning, and needs replacement. A second controller will be purchased in order to have one on hand in case of future emergency repair and to also use as a test controller for experimenting with different antenna designs in order to improve tag read range. Tags, tag injectors and needles are needed in order to tag juvenile fish this upcoming rescue season.

In August 2017, the board approved a not-to-exceed amount of \$8,500. To date we have spent \$6,660, leaving \$1,840 authorized. The additional equipment needed to keep the arrays in operation and continue tagging fish this fiscal year, total's \$5,000, exceeding the approved amount by \$3,160.

RECOMMENDATION: Staff recommends that the District Board authorize additional expenditure of budgeted funds in the amount of \$3,200 to cover the costs of keeping the PIT tag antennae arrays operating, and buying additional tags as needed throughout the rest of the fiscal year.

IMPACT TO STAFF/RESOURCES: The Fiscal Year 2017-2018 Budget includes \$65,000 for pilot studies to develop new monitoring methods steelhead related to our impending NMFS permit.

EXHIBIT

None

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\07\Item-7.docx$

ITEM: CONSENT CALENDAR

8. CONSIDER ENTERING INTO AN AGREEMENT WITH THE BIG SUR LAND TRUST TO FUND AN UPDATE OF THE INTEGRATED REGIONAL WATER MANAGEMENT PLAN FOR THE MONTEREY PENINSULA, CARMEL BAY AND SOUTHERN MONTEREY BAY

Meeting Date:	April 16, 2018	Budgeted:	Yes
From:	Dave Stoldt, General Manager	Program/	Protect Environmental Quality
	C	Line Item No.:	Program 2-6-1-A
Prepared By:	Larry Hampson	Cost Estimate:	\$ 34,000

General Counsel Approval: N/A

Committee Recommendation: The Administrative Committee reviewed this item on April 9, 2018 and recommended approval.

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

SUMMARY: Last fall, MPWMD staff requested assistance with facilitating and implementing the Integrated Regional Water Management (IRWM) program within the Monterey Peninsula region. Sarah Hardgrave, the Big Sur Land Trust (BSLT) Conservation Program Manager, volunteered to review and identify the scope of activities that would be needed to position this region to be eligible for Proposition 1 grant funds for project implementation.

BSLT currently has the capacity to support this effort and is proposing that Sarah Hardgrave serve in an IRWM program management capacity this year. Based on comments from the California Department of Water Resources (DWR) 2014 review of the Monterey Peninsula IRWM Plan and DWR's 2016 updated requirements for the IRWM Plan standards, minor updates to the 2014 IRWMP need made this year in order to be eligible for the Prop 1 Project Implementation funding. In addition, based on discussion with members of the Regional Water Management Group (RWMG) and other stakeholders, the 2014 IRWM Project list needs to be updated to reflect current projects that may be pursued in a Prop 1 IRWM implementation grant. Based on the attached scope of work and budget (**Exhibit 8-A**), BSLT costs to provide these services is about \$34,000.

RECOMMENDATION: Staff recommends that the General Manager be authorized to enter into an agreement with the Big Sur Land Trust to carry out an IRWM Plan update and facilitate a project solicitation process for a not-to-exceed amount of \$34,000.

DISCUSSION: The MPWMD Board approved an updated IRWM Plan for the region on June 23, 2014. That plan conformed to Proposition 84 standards and was accepted by DWR. The passage of Proposition 1 in November 2014 mandated several changes to IRWM Plan Standards as described in Attachment 3 to Exhibit A. The Monterey Peninsula region is eligible to receive up to \$4.33 million of the funds allocated to the Central Coast Funding area as shown in

Attachment 2 to Exhibit A. However, to be eligible to receive grant funds from DWR, the region must update the IRWM Plan to current standards and must carry out a project solicitation to identify the best projects to fund.

Since 2005, MPWMD has facilitated the development and implementation of the IRWM program for the Monterey Peninsula region and should continue to provide assistance with this effort. However, BSLT is exceptionally qualified to lead an expansion of the RWMG and position the region for receiving implementation funds.

IMPACT TO STAFF/RESOURCES: Funds are included in Project Expenditures Line Item 2-6-1-A "Prop 1 Coordination" in the Fiscal Year 2017-18 budget adopted by the Board of Directors on June 19, 2017.

EXHIBIT

8-A March 29, 2018 Letter (Saunders to Stoldt)

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\08\Item-8.docx$



March 29, 2018

Dave Stoldt, General Manager Monterey Peninsula Water Management District 5 Harris Court Monterey, CA 93940

Re: Monterey Peninsula, Carmel Bay and South Monterey Bay Integrated Regional Water Management

Dear Mr. Stoldt:

The Big Sur Land Trust has been an active member of the Memorandum of Understanding for the Regional Water Management Group (RWMG) for the Monterey Peninsula, Carmel Bay and South Monterey Bay Integrated Regional Water Management Plan (IRWMP) since its inception in 2007. BSLT has played a leadership role in initiating the development of a dozen conservation projects to include in the IRWMP process going back to 2005, with the intent of obtaining funding for Carmel River projects and most notably the Odello Floodplain Restoration Project (now referred to as the Carmel River FREE Project). As a member of the Water Management Group, BSLT has assisted in managing and updating the IRWMP, as well as supporting efforts to obtain funding for IRWM projects.

Monterey Peninsula Water Management District has historically served as the IRWM Program and Grant Manager. The IRWMP for the region was last updated by MPWMD in 2014, with funding from a \$995,000 IRWM planning grant that also funded a number of studies, such as the Seaside Basin Salt and Nutrient Management Plan, San Jose Creek Watershed Assessment, and Canyon Del Rey Master Drainage Plan Update. However, since 2014, the RWMG and related IRWM activities have been inactive due to lack of resources and additional funding opportunities.

With the passage of Proposition I, new Department of Water Resources (DWR) IRWM funding has become available. The six Central Coast IRWM funding regions have entered into a Memorandum of Agreement to share \$43M in Proposition I funding in a fair and equitable manner based on a base amount, and a proportional amount by population and total acreage of

the planning area. This agreement was reached in part because some regions have received a disproportionate amount of past IRWM funding. As a result, the Monterey Peninsula, Carmel Bay and South Monterey Bay IRWM funding area is slated to receive \$4.3M in Prop I IRWM funding, including 10% for Disadvantaged Community (DAC) Involvement and 10% for DAC Projects. It is our understanding that MPWMD is currently finalizing a grant agreement for the DAC funding.

Last fall, MPWMD staff called a meeting of the RWMG and requested that one of the other RWMG member organizations assume a leadership role for the group to pursue the Prop I funding opportunities. BSLT's Conservation Program Manager Sarah Hardgrave volunteered to review and identify the scope of activities that would be needed to reactivate the RWMG and position this funding region to be eligible for project implementation grant funds. Since that time, Sarah has assisted with scheduling and facilitating several meetings with the RWMG, the Carmel River Task Force and the Monterey Regional Stormwater Management Program (MRSWMP) to discuss the level of effort needed to reactivate the RWMG, prepare minor IRWMP updates, and conduct a project solicitation and prioritization process.

Based on a review of DWR's 2014 Plan review comments and DWR's 2016 updated requirements for the IRWMP standards, minor updates to the 2014 IRWMP need made this year in order to be eligible for the Prop I Project Implementation funding. In addition, based on discussion with the RWMG and other stakeholders, the 2014 IRWM Project list needs to be updated to reflect current projects that may be pursued in a Prop I IRWM implementation grant. A project solicitation and prioritization process will need to be conducted by this fall (October) if a grant application is to be made for DWR's Round I funding, with a grant application anticipated to be due by December 2018.

BSLT currently has the capacity to support this effort and is proposing that Sarah Hardgrave serve in an IRWM program management capacity this year. However, as a non-profit organization, we are unable to provide these program management services to the IRWM program without financial support. As a non-profit, our costs are considerably lower than consultant rates and therefore utilizing BSLT's services would provide a cost effective approach to positioning the region for significant funding opportunities. Further, Ms. Hardgrave's previous background with local water resources management, including her tenure as the MPWMD Technical Advisory Committee Chair from 2008 to 2013 and work with the MRSWMP group while at the City of Pacific Grove, give her knowledge and familiarity with the region that will also lend to an efficient approach to preparing the needed plan updates.

Based on the attached scope of work (task list and estimated time) to prepare the plan updates and facilitate the RWMG project solicitation process, we estimate BSLT's costs to provide these services at \$33,639.96. It is our understanding that this amount is well within the amount of budget MPWMD has available for the IRWM Program.

Please note that while we are proposing to support the IRWM, BSLT likely will propose projects for funding in the project solicitation process. BSLT requests that MPWMD separately

support the review and consolidation of project scores using the objective scoring approach utilized in the 2014 Plan Update and provide additional facilitation, if warranted, to ensure a fair process for the project prioritization. Also, this scope of work does not include any time to prepare a grant application once prioritized projects have been selected for the Prop I implementation funding.

Please let me know if you need any additional information to consider BSLT's services to support the IRWM program in 2018.

Sincerely,

Rachel Saunders Director of Conservation

Attachments:

- I. BSLT Scope of Work
- 2. Central Coast Region IRWM Memorandum of Agreement for IRWM Planning and Funding in the Central Coast Funding Area
- 3. Proposition I 2016 IRVVM Program Guidelines Appendix H, Changes to the 2012 IRVVM Plan Standards
- 4. DWR Proposition | Grant Programs Update March 1, 2018

Monterey Peninsula, Carmel Bay and South Monterey Bay IRWMP Update
--

TASKS	Estimate of Time Needed	Participation of RWMP	Participation of Stakeholders
A. IRWMP Updates			
1. 2016 Plan Standards - needed IRWMP updates			
a. Update RWMG and individual project proponents who have adopted the plan	20	Х	
b. Description of governance structure and how Native American tribes will participate	20		Х
c. Water quality conditions – describe areas of nitrate, arsenic, perchlorate, or hexavalent chromium	20	×	
contamination, actions undertaken to address, additional actions needed	20	X	
 d. Climate change vulnerability assessment – equivalent to vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning 	24		
i. Potential effects of climate change on the region and whether adaptation is necessary for water management			
system ii. How effects of climate change are factored into regional management strategy	12		
ii. How effects of climate change are factored into regional management strategy iii. List of prioritized vulnerabilities & feasibility to address	8		
iv. Evaluation of ability of regional management strategy to eliminate or minimize vulnerabilities, especially			
those impacting water infrastructure systems	8		
v. Reducing energy consumption in water use	4		
e. Consider strategies adopted by CARB in AB 32 Scoping Plan I	8		
f. Options for carbon sequestration and using renewable energy (for water use)	8		
g. Consider all California Water Plan criteria (29) in CWP 2013 update	8		
h. Consider effects if sea level rise on water supply and suitable adaptation			
i. Cities of PG & Monterey Sea Level Rise studies from LCP updates	8		
ii. Salinas/Carmel River Basins Study	4		
iii. Others?	4		
i. Adapting to changes in amount, intensity, timing, quality and variability of runoff and recharge	8		
j. Plan performance – each project complies with applicable rules, laws and permits	4		
 k. Contain policies and procedures to promote adaptive management to climate change and adjust IRWM plans as effects manifest and new tools or information becomes available 	4		
I. Discuss how the plan relates to other planning documents and programs - especially Storm Water Resource			
Plans and Groundwater Sustainability Plans	12		
m. Consider and incorporate water management issues and climate change adaptation and mitigation strategies			
from local plans into the IRWMP	12		
n. Demonstrate information sharing and collaboration with regional land use planning	8	Х	х
o. Contain a public process that provides outreach and opportunity for Native American Tribes to participate	20		x
p. Process to involve and facilitate stakeholders regardless of ability to pay, include description of barriers to involvement (specifically to Tribes)	20		x
2. 2014 IRWMP Review by DWR – Guidelines evaluated as insufficient			
a. Effective decision making	8	Х	
b. Water supplies and demands for 20 year planning horizon	16	Х	
c. Specific information on DACs and tribal communities – need to expand outreach/involvement of Native			
American Tribes	8		
d. Status of project proponents plan adoption	4	Х	
e. QA/QC measures for data	4 4		
f. Data sharing	4 24	х	x
Review plan goals, objectives and priorities - Confirm or determine if updates needed Incorporation of new plans, studies, or new info from projects	24	~	^
a. Carmel River Watershed Assessment & Carmel River Task Force active projects	12		
b. Water Supply Projects – PureWater, MPWSP, ASR, etc. (EIR, other studies)	16		
c. Storm Water Resource Plan	4		
d. Others	12		
SUBTOTA	360		·
B. Project Solicitation & Update			
1. Review 2014 online template & determine if still appropriate tool for new project submittals	20	Х	
2. If online system to be used, identify steps needed to activate			
3. Determine process to call for, review and prioritize project list	40	Х	
a. 2016 Plan update requirements:			
i. evaluate project's contribution to climate change adoption	16		
ii. contribution of project in reducing GHGs compared to alternatives	16		
iii. whether any specific benefits to Native American tribal communities	4		
4. Implement project solicitation process SUBTOTAI	40	Х	Х
C. Stakeholder/Public Process			
Meeting #1 - Existing RWMG review of IRWMP and project list update process	16	х	
 Preeding #1 - Existing (COFFIC Ferrew OF ICOFFIC and project instruption of project instruption of the project instrument of the project instruption of the project instru			
projects	16	х	х
 Meeting #3 – Review of IRWMP updates, process to prioritize submitted projects 	16	X	
4. Meetings #4 & 5– Review of project submittals and prioritization	16	Х	х
			i
5. Meeting #6 – RWMG approval of IRWM Plan Update, Project list, and SWRP	16	Х	

	TOTAL COSTS	\$ 33,638.96
BSLT Administrative Overhaed	11.58%	\$ 3,491.12
TOTAL HOURS (\$52.34/hour)	576	\$ 30,147.84

Table 3 – Summary of Funds Available to Each Planning Region (less DWR fees)

	S	anta Cruz	ijaro Valley Vatershed		Greater Monterey	Monterey Peninsula	San Luis Obispo	Santa Barbara	Total CCFA
ALLOCATION OPTION # 1									
Allocation Option #1 - DAC Funds									
((1/2 Equal Split Among Regions) + (1/4 %by population) + (1/4									
% by acreage))	\$	1,109,810	\$ 1,340,107	\$	1,775,034	\$ 931,966	\$ 1,712,669	\$ 1,730,414	\$ 8,600,000
Allocation Option #1 - Impl'n Funds									
((1/2 Equal Split Among Regions) + (1/4 %by population) + (1/4									
% by acreage))	\$	4,050,805	\$ 4,891,390	\$	6,478,875	\$ 3,401,677	\$ 6,251,243	\$ 6,316,010	\$ 31,390,000
Total Allocation Option #1	\$	5,160,615	\$ 6,231,497	\$	8,253,910	\$ 4,333,643	\$ 7,963,912	\$ 8,046,424	

U:\mpwmd\IRWM\Central Coast Hydrologic Region\Funding\CCregion-funding-allocation-20160404.docx

APPENDIX H CHANGES TO 2012 IRWM PLAN STANDARDS

IRWM Plan Standards	IRWM 2016 Plan Standards: Updates to 2012 IRWM Plan Standards	IRWM 2016 Guidelines Page Number
	2012 Guidelines (GL) Requirement (if applicable): Describe and explain how the plan will help reduce dependence on the Delta supply regionally. Updated code citation for the requirement: Public Resources Code §29700-29716.	37
	2012 GL Requirement: Describe water quality conditions.	
Region Description	Same requirement with the following additional detail pertaining to AB 1249: "If the IRWM region has areas of nitrate, arsenic, perchlorate, or hexavalent chromium contamination, the Plan must include a description of location, extent, and impacts of the contamination; actions undertaken to address the contamination, and a description of any additional actions needed to address the contamination (Water Code §10541.(e)(14))."	37
	Additional requirement, not in 2012 GL: Describe likely Climate Change impacts on the region as determined from the vulnerability assessment ¹ .	42
	Additional requirement, not in 2012 GL: Address adapting to changes in the amount, intensity, timing, quality and variability of runoff and recharge.	38, 42
	Additional requirement, not in 2012 GL: Consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	38, 42
Plan Objectives	Additional requirement, not in 2012 GL: Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions.	38, 42
	Additional requirement, not in 2012 GL: In evaluating different ways to meet IRWM plan objectives, where practical, consider the strategies adopted by CARB in its AB 32 Scoping Plan.	38, 42
	Additional requirement, not in 2012 GL: Consider options for carbon sequestration and using renewable energy where such options are integrally tied to supporting IRWM Plan objectives.	38, 42
Resource Management	2012 GL Requirement: Consider all 29 California Water Plan (CWP) RMS criteria listed in Table 3 from the CWP Update 2009. Identify RMS incorporated in the IRWM Plan.	
Strategies (RMS)	Same requirement with the following updates: CWP Update 2013 referred to instead of 2009. Additional RMS's in the 2013 update are Sediment Management, Outreach and Engagement, and Water and Culture (for a total of 32 requirements).	38

IRWM Plan Standards	IRWM 2016 Plan Standards: Updates to 2012 IRWM Plan Standards	IRWM 2016 Guidelines Page Number
	2012 GL Requirement: Consideration of climate change effects on the IRWM region must be factored into RMS.	
	 Same requirement with the following additional detail: Identify and implement, using vulnerability assessments and tools such as those provided in the Climate Change Handbook, RMS and adaptation strategies that address region-specific climate change impacts. Demonstrate how the effects of climate change on its region are factored into its RMS. Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. An evaluation of RMS and other adaptation strategies and ability of such strategies to eliminate or minimize those vulnerabilities, especially those impacting water infrastructure systems. 	38, 42
Project Review	 2012 GL Requirement: Project's contribution to climate change adaptation. Same requirement with the following additional detail: Include potential effects of Climate Change on the region and consider if adaptations to the water management system are necessary. Consider the contribution of the project to adapting to identified system vulnerabilities to climate change effects on the region. Consider changes in the amount, intensity, timing, quality and variability of runoff and recharge. Consider the effects of sea level rise on water supply conditions and identify suitable adaptation measures. 	37, 43
Process	 2012 GL Requirement: Contribution of project in reducing GHGs compared to project alternatives. Same requirement with the following additional detail: Consider the contribution of the project in reducing GHG emissions as compared to project alternatives Consider a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over the 20-year planning horizon. Reducing energy consumption, especially the energy embedded in water use, and ultimately reducing GHG emissions. 	39, 42
Plan	Additional requirement, not in 2012 GL: Specific benefits to critical water issues for Native American Tribal communities.	52
Performance and Monitoring	Additional requirement, not in 2012 GL: Contain policies and procedures that promote adaptive management and, as more effects of Climate Change manifest, new tools are developed, and new information becomes available, adjust IRWM Plans accordingly.	39, 43

IRWM Plan Standards	IRWM 2016 Plan Standards: Updates to 2012 IRWM Plan Standards	IRWM 2016 Guidelines Page Number
Local Water Planning	2012 GL Requirement: Discuss how the plan relates to these other planning documents and programs. Same requirement with the following additional detail: "It should be noted that Water Code § 10562 (b)(7) (i.e. SB 985) requires the development of a stormwater resource plan and compliance with these provisions to receive grants for stormwater and dry weather runoff capture projects. Upon development of the stormwater resource plan, the RWMG shall incorporate it into IRWM Plan. The IRWM Plan should discuss the processes that it will use to incorporate such plans. This requirement does not apply to DACs with a population of 20,000 or less and that is not a co-permittee for a municipal separate stormwater system national pollutant discharge elimination system permit issued to a municipality with a population greater than 20,000." Minor wording differences - e.g. Groundwater Sustainability Plan example in the 2016 Guidelines instead of Groundwater Management Plan in the 2012 Guidelines.	62
	Additional requirement, not in 2012 GL: Consider and incorporate water management issues and climate change adaptation and mitigation strategies from local plans into the IRWM Plan.	41, 43
Local Land Use Planning	Additional requirement, not in 2012 GL: Demonstrate information sharing and collaboration with regional land use planning in order to manage multiple water demands throughout the state, adapt water management systems to climate change, and potentially offset climate change impacts to water supply in California.	30, 43
Stakeholder Involvement	2012 GL Requirement: Contain a public process that provides outreach and opportunity to participate in the IRWM Plan. Same requirement with the following additional detail: "Native American Tribes – It should be noted that Tribes are sovereign nations, and as such coordination with Tribes is on a government-to-government basis."	40
	2012 GL Requirement: Evaluate IRWM region's vulnerabilities to climate change and potential adaptation responses based on vulnerabilities assessment in the DWR Climate Change Handbook for Regional Water Planning Same requirement with the following additional detail: " <i>At a minimum</i> , the vulnerability evaluation must be equivalent to the vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B."	42, 69 - 71
Climate Change	 2012 GL Requirement: Provide a process that considers GHG emissions when choosing between project alternatives. Same requirement with the following additional detail: "At a minimum, that process must determine a project's ability to help the IRWM region reduce GHG emissions as new projects are implemented over a 20-year planning horizon and consider energy efficiency and reduction of GHG emissions when choosing between project alternatives." 2012 GL Requirement: Include a list of prioritized vulnerabilities based on the vulnerability assessment and the IRWM's decision making process. Same requirement with the following additional detail: "A list of prioritized vulnerabilities which includes a determination regarding the feasibility for the RWMG to address the priority vulnerabilities." 	39, 66 - 68 40, 42 - 43, 54

IRWM Plan Standards	IRWM 2016 Plan Standards: Updates to 2012 IRWM Plan Standards	IRWM 2016 Guidelines Page Number
	Additional requirement, not in 2012 GL: Address adapting to changes in the amount, intensity, timing, quality, and variability of runoff and recharge.	38 - 39, 42 - 43
	Additional requirement, not in 2012 GL: Areas of the State that receive water imported from the Sacramento-San Joaquin River Delta, the area within the Delta, and areas served by coastal aquifers must also consider the effects of sea level rise (SLR) on water supply conditions and identify suitable adaptation measures.	42

1. The vulnerability assessment contained in the Climate Change Handbook for Regional Water Planning, Section 4 and Appendix B in 2016 Guidelines.



Proposition 1 Grant Programs Update - March 1, 2018 CA Department of Water Resources Financial Assistance Branch Division of Integrated Regional Water Management



DWR's New Web Site

We recently completed a digital makeover of our website. We have received many complements about the new streamlined look and accessibility of information, but we understand it may be frustrating to find information in a new way. Our team is here to help. Feel free to contact us if you cannot locate the information you seek. <u>www.water.ca.gov</u>

Proposition 1 Sustainable Groundwater Planning Grants

On February 6, we announced draft funding recommendations to 78 applicants, totaling \$85.8 million, including \$16.2 million for projects that directly benefit severely disadvantaged communities (<60% State mean household income), and \$69.6 million to Groundwater Sustainability Agencies (GSAs) for development of Groundwater Sustainability Plans (GSPs). The public comment period for the draft funding recommendations closed on February 28 and we expect release of the final awards in March, with execution of grant agreements this summer.

We encourage agencies with proposed groundwater projects to work with their local IRWM Regional Water Management Group to incorporate projects as appropriate into the IRWM Plan so that they might be considered for IRWM implementation funding.

https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/Sustainable-Groundwater

Proposition 1 IRWM Disadvantaged Community Involvement Grants

We have executed grant agreements or are currently in the process of doing so with 11 of the 12 hydrologic region-based funding areas identified in Proposition 1. We anticipate receipt of the final grant proposal for the San Joaquin Funding Area in the very near future and expect all work in the State to be fully underway by spring 2018. It is critical to complete this important work – in particular, the needs assessments – in order to identify projects benefiting DACs for IRWM implementation funding.

To help promote consistency and sharing of information between the 12 Funding Area grant recipients, our program and grant managers will be joining the DAC Involvement Working Group conference calls, hosted approximately monthly by the Environmental Justice Coalition for Water (EJCW). We participated in the January 2018 call and discussed the status of IRWM implementation funding and nexus to DAC involvement work. At the next meeting of the Working Group, we look forward to discussing

performance metrics, related to a provision of Prop 1 (CA Water Code 79716e): Each state agency that receives an appropriation of funding made available by this division shall be responsible for establishing metrics of success and reporting the status of projects and all uses of the funding on the state's bond accountability Internet Web site, as provided by statute.

What's Next for Proposition 1 IRWM Implementation Grant Funding

We are gearing up for the launch of the Prop 1 IRWM Implementation Grant Program. We have been working with regional stakeholders since May 2017 through the IRWM Roundtable of Regions (ROR) to propose and discuss various concepts for a new approach. We anticipate discussing more concepts with the ROR before finalizing the approach. Thanks to everyone who has weighed in so far, and we welcome more input before the Proposal Solicitation Package (PSP) is released this summer.

DWR intends to work with potential grant applicants on a Funding Area basis following the release of the Final PSP; we anticipate holding workshops in each Funding Area prior to submittal of the grant applications by December 2018. Other state funding agencies will be invited to participate as appropriate.

Proposition 1 IRWM Implementation Grants ¹ Proposal Solicitation Process and Schedule			
Milestone or Activity	Tentative Schedule ²		
Coordination with Regional Stakeholders RE: Development of Implementation Grant Program Concepts	May 2017 - April 2018		
DWR Releases Draft Proposal Solicitation Package (PSP) for 45-day Public Comment Period	May 2018		
3 Public Meetings (Northern, Central, and Southern Calif locations TBD)	May-June 2018		
Draft PSP Public Comment Period Closes	June 2018		
DWR Releases Final PSP	Summer 2018		
Round 1 Grant Applications Due to DWR (Workshops with Funding Areas expected Summer-December 2018)	By December 2018		
Round 1 Grant Awards	2019		
Round 2 Grant Solicitation Process Begins	2020		
<i>Notes:</i> ¹ Includes funding for projects benefitting disadvantaged communities. ² Schedule subject to change.			

https://www.water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs

What Regions Should Do to Prepare for the Next Round of Grants

In order for a project to be eligible for IRWM implementation grant funding, it must be either listed in the IRWM plan that is compliant with at least 2012 IRWM Plan Standards or describes how any non-listed projects have been vetted through the RWMG. consistent with the 2016 IRWM Plan Standards as confirmed by DWR's Plan Review Process. The plans must be updated and adopted to comply with 2016 standards before the final award is made. It is important to get your IRWM Plan updated to the 2016 Plan Standards and submitted to DWR as soon as possible to avoid potential delays.

The 2016 IRWM Plan Standards have changed to varying degrees from the 2012 IRWM Plan Standards. Refer to Appendix H in the Guidelines for a summary of the changes to the 2012 IRWM Plan Standards.

https://www.water.ca.gov/LegacyFiles/irwm/grants/docs/p1Guidelines/2016Prop1IR WMGuidelines_FINAL_07192016.pdf

New Staff Assignments at DWR

Keith Wallace has moved on to new opportunities with DWR's Sustainable Groundwater Management Program, and two members of our team - Rachel Ballanti and Jason Brabec - are the new contacts for this next phase in our IRWM implementation program. We are fortunate to have Rachel, with her experience working for the DWR Executive Division and California Water Commission, and Jason, who brings his experience as an Engineer with DWR's Division of Flood Management managing complex water resources projects. Both Rachel and Jason have been in our Branch, capably managing our Water-Energy, Prop 1E, and Prop 1 Sustainable Groundwater Planning grant programs for the last year or more. We look forward to the opportunity to introduce them to you in person in the coming months.

CA Water Plan Update 2018 - How Regional Interests Are Reflected in the New Edition of the State's Water Plan

Be on the lookout for the public review draft of the 2018 update to the California Water Plan. Several of the recommendations in the document entitled *Stakeholders Perspectives: Recommendations for Strengthening and Sustaining IRWM in California (2017)* are being carried forward in the Water Plan Update. Also, the Water Plan describes early efforts underway to develop a Regional Water Atlas. This web-based tool will provide a clearinghouse to convey your regional success stories and lessons learned to other practitioners in the State as well as key policy makers.

https://www.water.ca.gov/Programs/California-Water-Plan

ITEM: CONSENT CALENDAR

9. RECEIVE FISCAL YEAR 2016-2017 MITIGATION PROGRAM ANNUAL REPORT

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David J. Stoldt General Manager	Program/ Line Item No.:	N/A
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 2016-2017 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 2016-2017 Mitigation Program Annual Report is attached as **Exhibit 9-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 Fiscal Year (FY) 2016-2017, defined as the 12-month period from July 1, 2016 through June 30, 2017. Please note that hydrologic data and well production reporting data are described for Water Year 2017 (October 1, 2016 through September 30, 2017). 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 26th 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 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 2016-2017 Water Allocation Mitigation Report responds to these requirements.

The 2016-2017 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 2016-2017 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 2016-2017 totaled approximately \$2.17 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 2016-2017 were \$0.10 million less than the prior fiscal year due to decreases in Mitigation Program costs. However, the overall costs have remained constant (average of \$2.3 million per year) for 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 2014-2015 expenditures were \$2.30 million; and FY 2015-2016 expenditures were \$2.27 million.

During FY 2016-2017, revenues totaled \$3.15 million including mitigation program revenues, user fees, grant receipts, investment income and miscellaneous revenues. The Mitigation Program Fund Balance as of June 30, 2017 was \$2,045,194.

EXHIBIT

9-A Executive Summary for 2016-2017 Annual Mitigation Report

 $U:\staff\Boardpacket\2018\20180416\ConsentClndr\09\Item-9.docx$

2016-2017 ANNUAL REPORT (July 1, 2016 - June 30, 2017)

MPWMD MITIGATION PROGRAM WATER ALLOCATION PROGRAM ENVIRONMENTAL IMPACT REPORT

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT Prepared April 2017

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 rate payers. 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 2016-2017 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 2016-2017 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 2016-2017 (July 1, 2016 through June 30, 2017, 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 2016-2017 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.

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 17 out of 26 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 2017, 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 ninemember 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 2016-2017 included: (1) continued work with regulatory and land use agencies on expansion of the Phase 1 Santa Margarita ASR site; (2) completion of 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

Two major factors continue to effect adult steelhead this reporting year: the five-year California drought that ended in late 2016 and the removal of ninety-year-old San Clemente Dam. The removal of the dam allows unrestricted access to many additional miles of mainstem and tributary habitat. Additional work completed in summer of 2016 removed two other major barriers in the reach (Old Carmel Dam and Sleepy Hollow Ford) allowing fish unobstructed passage below LPD both upstream and downstream for the first time since the 1890's. Large quantities of sand released from the San Clemente reach filled in many pools and runs during the

winter of 2017. It remains to be seen what effect this will have on adult spawning and juvenile rearing in the lower river.

One drawback to SCD's removal was the loss of the fish ladder with its associated fish counter, and the long-term data base on the number of returning adults. Without this counter we will have to rely on adult counts from LPD, the DIDSON camera, and redd surveys. Looking forward, important migration and life history data will be collected from the PIT tagging program currently being implemented by the District and NMFS on the Carmel River.

Previous redd surveys below SCD confirm that the spawning habitat in the lower river has improved considerably over the last 20 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:

- the continued effects of the severe five-year drought on all steelhead life stages including adult steelhead, as migration is limited or blocked and spawning reaches dry early;
- 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 lagoon conditions, caused by artificial manipulation of the sandbar and/or naturally occurring periods of low winter flows; and
- Iow 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 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 2016-2017 reporting period, the average population density was much less than the long-term average of 0.71 fpf for the Carmel River, likely due to the recent drought, poor habitat conditions in the lower river, and low 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;
- 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 water in the summer, and extensive conservation measures, all help provide increased streamflow below SCD;
- 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 28 years, now totaling 432,570 fish through 2017;
- rearing and releases of rescued fish from the SHSRF of 97,600 juveniles and smolts back into the river and lagoon over the past 21 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 increase in sediment from the SCD removal project;
- 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 (up to the San Clemente reach in 2017) 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 62% of the BMI in the lower

river. NZMS outcompete 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.

<u>Riparian Habitat Mitigation</u>

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.

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 he sand will be winnowed out and sent downstream over the next several years. When river flows drop in late spring or early summer of 2018, District staff will investigate the overall scour and deposition of the streambed and report on this in next year's mitigation report.

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.

Between the mouth of the river and Robinson Canyon Road bridge, many areas of the river appear to be deeper than at any previous time since measurements have been recorded (i.e., beginning in 1978), with many reaches showing several feet of downcutting. This trend, which was identified as a concern in the 1984 Carmel River Management Program EIR, appears to have accelerated in the period from 1998 to 2015. This was a period of exceptional stability (for the Carmel River) as streambanks hardened with structural protection over the past several decades resisted erosion and the force of the river during high flows was directed into the channel This condition has resulted in the undermining of rip-rap protection and bridge bottom. infrastructure in some reaches. To assess the impact of scour and degradation in the bottom of the channel, the District budgeted funds in Fiscal Year 2014-15 and carried out a thalweg survey (survey along the bottom of the channel) along a portion of the lower river. The survey was completed in 2015 and 2016 and will be compared to similar periodic surveys dating back to 1984. However, this trend will have to be looked at carefully because as of Water Year 2017 recent high flows have transported large amounts of sediment into the mainstem of the Carmel River.

In the spring of 2011, the river migrated into the north streambank downstream of the Rancho San Carlos Road Bridge. In the winter of 2017, during a series of high flows, erosion started taking place on the south side of the river. This reach has become unstable and the District is proposing a restoration project that would stabilize the streambanks in the summer of 2018. If no work to stabilize the streambank is carried out, it is likely that the river will continue to erode property along the southern and northern streambanks and there will be additional loss of mature riparian forest.

Eventually, without corrective measures to balance the sediment load with the flow of water or to mitigate for the effect of the downcutting, streambanks will begin to collapse and the integrity of bridges and other infrastructure in the active channel of the river may be threatened.

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 2012, 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 indicate that the District 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 DWR encourages planning and management of water resources on a regional scale and promotes projects that incorporate multiple objectives and strategies. In addition, the IRWM process brings stakeholders together and encourages cooperation among agencies in developing mutually beneficial solutions to resource problems.

MPWMD adopted the 2014 Update to the IRWM Plan for a region encompassing Monterey Peninsula areas within the District boundary, the area in the Carmel River watershed outside of the MPWMD boundary, Carmel Bay and the Southern Monterey Bay. 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.

Funding from the IRWM grant program and other programs requiring an adopted IRWM Plan could provide the 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 Monterey Peninsula region is expecting to take advantage of about \$4.3 million from Prop 1 IRWM funds over the next several; years.

More information about the IRWM Plan and the group of stakeholders in the planning region can be found at the following web site:

http://www.mpirwm.org

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. Because of the restoration activities on the south side of the lagoon, the District has concentrated its monitoring efforts on the relatively undisturbed north side. Staff also continue to meet and discuss with other agencies the ongoing use of an existing CDPR agricultural well.

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 It is notable that due to the number of factors affecting this system, it would be hydrology. premature to attribute any observed changes solely to groundwater pumping. During the 23-year period to date, for example, there have been three Extremely Wet (1995, 1998, and 2017), two Wet (2005, 2006), five Above Normal (1996, 1997, 2000, 2010, and 2011), five Normal (1999, 2001, 2003, 2008 and 2009), two Below Normal (2004 and 2016), four Dry (2002, 2012, 2013, and 2015), and two Critically Dry (2007 and 2014) Water Year types in terms of total annual runoff. Thus, the hydrology of the watershed has been wetter than average 43% of the time, and at least normal or better 65% of the time during that 23 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 When the District initiated the long-term lagoon monitoring component of the change. 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. During this RY the District budgeted to reactivate the CDPR lagoon water-quality profiler that has been out of service for four years, under an

interagency MOU. However, repetitive failures of the vertical profiling controller, rendered the otherwise fully functioning water quality probe effectively useless. The District has budgeted for the replacement of the existing custom built profiler to be replaced with a stock one from Xylem/YSI. We intend to restore continuous data collection at the CAWD pipe site sometime during the next RY, pending acquisition and installation of the new profiling device.

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 to 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. Significant scour of sand occurred at the cross sections during WY 2017 compared to August 2016 conditions. Since 1994, an apparent trend of overall loss in sand volume appears to be emerging, as south bank substrate elevations are now at an 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 based on rating curve analysis at the HWY 1 site as well as physical field observation. 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, thus it is concluded that substrate elevations at the cross sections generally do not change in these low-flow years, despite the regular occurrence of major lagoon mouth breaches in all of these years, except WY 2014. The "Extremely Wet" WY 2017 caused dramatic changes (scour) at the cross sections indicating that quantity of streamflow (peak flow and total volume) is likely the primary factor that controls significant substrate changes at the key cross sections.

Program Costs

Mitigation Program costs for FY 2016-2017 totaled approximately \$2.17 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 2016-2017 were \$0.10 million less than the prior fiscal year due to decreases in Mitigation Program costs. However, the overall costs have remained constant (average of \$2.3 million per year) for 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 2014-2015 expenditures were \$2.30 million; and FY 2015-2016 expenditures were \$2.27 million.

During FY 2016-2017, revenues totaled \$3.15 million including mitigation program revenues, user fees, grant receipts, investment income and miscellaneous revenues. The Mitigation Program Fund Balance as of June 30, 2017 was \$2,045,194.

Table I-1

SUMMARY OF COMPONENTS OF MPWMD MITIGATION PROGRAM July 1, 2016 - June 30, 2017

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
- Prepare/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.

<u>Table I-2</u>
Summary of MPWMD Mitigation Program Accomplishments: 2016-2017 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 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 2,509 conservation inspections were conducted in FY 2016-2017. An estimated 3.99 acre-feet (AF) of water were saved by new retrofits verified this year in these two categories. For FY 2016-2017, a total of 1,768 applications for rebates were received, 1,347 applications were approved with the use of the rebate refund, as described in Section VIII. As of June 30, 2017, a total of 90.319 AF 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 2017.
Augment Water Supply	Long-term efforts to augment supply included: (1) Continued participation in the CPUC rate hearing process to review elements of the Monterey Peninsula Water Supply Project (MPWSP); (2) Participated in meetings intended to resolve concerns about MPWSP construction, operations, financing, management and oversight; (3) Participated on Technical Advisory Committee to the Monterey Peninsula Regional Water Authority; (4) Operated Aquifer Storage and Recovery (ASR) Phase 1 and 2 projects in WY 2017; (5) Held regular coordination meetings with Cal-Am regarding planned infrastructure upgrades to deliver water supply to the ASR project wells at full capacity; (6) Conducted additional work related to alternative desalination plant sites; (7) Provided

MITIGATION ACTION	MAJOR ACCOMPLISHMENTS
	technical support to the Monterey Regional Water Pollution Control Agency (MRWPCA) for the Groundwater Replenishment Project (GRP) and received presentations by MRWPCA; (8) Participated in CPUC hearing process on Cal- Am related rate requests. 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.
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	The surface flow dropped below 10 cfs at the Highway 1 Bridge June 3, 2016. In response to this decline, District staff began monitoring daily river conditions. Rescues began on June 13 th and were conducted until September 2, 2016. Rescue operations occurred between Highway 1 Bridge (RM 1.0) and Cal-Am's Begonia iron treatment plant reach (RM 7.7), plus one day at the Los Padres smolt bypass outlet. During this period staff conducted 32 rescue operations over 6.7 miles, yielding a total of 670 steelhead, including: 425 young-of-the-year (YOY), 239 yearlings (1+), and 6 mortalities (0.89%. Since 1989, District staff has rescued 432,570 steelhead from drying reaches in the Carmel River watershed. Compared to previous rescue seasons, rescue totals in the 2016 and 2017 dry seasons were only 6% and 37% of the 1989-2017 average of 14,916, as described in Section XVI.
Riparian Habitat Program	Continued revegetation efforts at exposed banks with little or no vegetation located between Via Mallorca and Esquiline Roads; 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; Made public presentations showing MPWMD-sponsored restoration work over the past 26 years; Continued long-term monitoring of physical and biological processes along the river in order to evaluate the District's river management activities; Continued the annual inspections of the Carmel River from the 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

MITIGATION ACTION	MAJOR ACCOMPLISHMENTS
	overall condition of the riparian corridor; Continued enforcement actions to address serious violations of District riparian ordinances; Carried out vegetation management activities; Developed an Integrated Regional Water Management Plan; 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 four 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

10. RECEIVE AND FILE DISTRICT-WIDE ANNUAL WATER DISTRIBUTION SYSTEM PRODUCTION SUMMARY REPORT FOR WATER YEAR 2017

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David Stoldt, General Manager	Program/ Line Item No.:	Hydrologic Monitoring N/A
Prepared By:	Thomas Lindberg	Cost Estimate:	N/A
	el Approval: N/A ommendation: 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) 2017. WY 2017 covers the 12-month period from October 1, 2016 through September 30, 2017. Preliminary computations indicate that 10,415 acre-feet (AF) of water were produced by the 150 recognized WDSs in the District during WY 2017. 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 9,337 AF or approximately 90% of the total production reported by WDSs in WY 2017.

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. No new WDSs were established in WY 2017, although 13 Exemption Requests 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 2017 is summarized in **Exhibit 10-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 2016 is provided as **Exhibit 10-B**.

In WY 2017, 2,345 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 1,501 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 11-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 10-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 2017 was 10,415 AF. Of this total, the Cal-Am Main System (i.e., not including the Bishop, Hidden Hills and Ryan Ranch Units) accounted for 90% 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 10 percent of production. Total WDS production for WY 2017 is 66.5 AF (<1%) less than the production reported for WY 2016. During WY 2017, Cal-Am's Main System production increased by 1.35 AF (<1%), while reported non Cal-Am WDS production decreased by 33 AF (8%), relative to production in WY 2016.

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 10,028 AF in WY 2017. 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 decreased by 58 AF (<1%) in WY 2017 compared to production in WY 2016. In WY 2017, production by Cal-Am from within the MPWRS (including Bishop, Hidden Hills and Ryan Ranch Units) decreased by 22 AF (<1%) and the combined production from 23 other active systems within the MPWRS increased by 35 AF (8%), relative to production reported for WY 2016.

EXHIBITS

10-A Water Production Summary Report for Water Distribution Systems for Water Year 2017

10-B Water Production Summary Report for Water Distribution Systems for Water Year 2016

119

 $\label{eq:listaff} U: \taff\boardpacket\2018\20180416\ConsentClndr\10\Item-10.docx$

EXHIBIT 10-A

		· · · · · · · · · · · · · · · · · · ·				0000000	TIONS		
				CONNECTIONS					
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	ACTIVE	AVG. PROD./ CONNECTION (AF)	AVG. DEL./ CONNECTION (AF)	NEW	SOURCE AREA
CAW (CAL-AM) Main System	WM	9,334.96	8,581.98	8.1%	37,618	0.25	0.23	18	AS1-4, SC
EASIDE MUNI	WM	188.45	161.63	14.2%	775	0.24	0.21	0	SCS
MONTEREY BAY SHORES	WM	0.00	0.0	0.0%	0	0.00	0.0	0	SCS
/IPWMD ASR-1	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	SCS
ABADIR (A)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS2
ABADIR C (MANSON)	WM	0.05	N.A.	N.A.	1	0.05	N.A.	0	AS2
ANIMAL FARM	WM	1.32	N.A.	N.A.	1	1.32	N.A.	0	AS2
CARMEL VALLEY ROAD II	WM	2.20	N.A.	N.A.	4	0.55	N.A.	0	AS2
CHANEY/SCHAFFER	LU	0.33	N.A.	N.A.	2	0.17	N.A.	0	AS2
AIR 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
ONES	LU	0.23	N.A.	N.A.	1	0.23	N.A.	0	AS2
ANCHO SAN CARLOS ROAD	WM	2.07	N.A.	N.A.	3	0.69	N.A.	0	AS3
RIVERSIDE RV PARK	WM	7.43	N.A.	N.A.	N.A.	N.A.	N.A.	0	AS3
CHUT/JONES	LU	2.72	N.A.	N.A.	2	1.36	N.A.	0	AS3
ELLE	LU	0.09	N.A.	N.A.	2	0.05	N.A.	0	AS3
SAN MARCO	WM	2.80	N.A.	N.A.	3	0.93	N.A.	0	AS3
CANADA WOODS ALLUVIAL	WM	159.86	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	AS3
IELLO	WM	0.17	N.A.	N.A.	1	0.17	N.A.	0	AS3
ALADWELL (ADDISON)	WM	1.17	N.A.	N.A.	2	0.59	N.A.	0	AS3
ATTA IRRIG. (was BARDIS 2)	WM	1.56	N.A.	N.A.	1	1.56	N.A.	0	AS3
ATTA DOM. (was BARDIS 2)	WM	0.07	N.A.	N.A.	1	0.07	0.00	0	AS3
ST. DUNSTAN'S	WM	0.16	N.A.	N.A.	1	0.16	N.A.	0	AS3
ALL SAINTS	WM	0.91	N.A.	N.A.	1	0.91	N.A.	0	AS3
ARACEL CREENS	WM	3.45	N.A.	N.A.	3	1.15	N.A.	0	AS3
CARMEL GREENS	WM	4.53	N.A.	N.A.	1	4.53	N.A.	0	AS4
CLARK/WELLS FARGO	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS4
MAL PASO	WM	0.00	0.0	0.0%		0.00			AS4
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
ALLEY CREEK (JENSEN) MHP	WM	8.27	N.A.	N.A.	24	0.34	N.A.	0	CAC
VASON ROAD	LU	0.00	N.A.	N.A.	4	0.00	N.A.	0	CAC
PRINCES CAMP	WM	15.66	N.A.	N.A.	50	0.31	N.A.	0	CAC
AGUA FRESCA	WM	2.74	N.A.	N.A.	2	1.37	N.A.	0	CVU
BOOTH	WM	0.33	N.A.	N.A.	1	0.33	N.A.	0	CVU
BOSSO (from LU method in 07)	WM	1.84	N.A.	N.A.	2	0.92	N.A.	0	CVU
CANADA WOODS UPLAND	WM	79.84	N.A.	N.A.	61	1.31	N.A.	6	CVU
COUNTRY CLUB ROAD	LU	1.40	N.A.	N.A.	5	0.28	N.A.	0	CVU
CHOPIN	WM	0.10	N.A.	N.A.	1	0.10	N.A.	0	CVU
DOLLASE	WM	1.76	N.A.	N.A.	4	0.44	N.A.	0	CVU
CHAZEN (formerley FRUMKIN)	WM	0.15	N.A.	N.A.	1	0.15	N.A.	0	CVU
HYLES (RIVERA/HOMZA)	WM	0.17	N.A.	N.A.	1	0.17	N.A.	0	CVU
OS ROBLES ROAD	WM	14.70	N.A.	N.A.	6	2.45	N.A.	0	CVU
P&M RANCH	WM	9.76	N.A.	N.A.	6	1.63	N.A.	0	CVU
PELIO	WM	6.42	N.A.	N.A.	1	N.A.	N.A.	0	CVU
RANCHO DE ROBLEDEO	WM	5.81	N.A.	N.A.	7	0.83	N.A.	0	CVU
SADDLE MOUNTAIN	WM	3.06	N.A.	N.A.	26	0.12	N.A.	0	CVU
CHULTE ROAD	WM	3.56	N.A.	N.A.	5	0.71	N.A.	0	CVU
SLEEPY HOLLOW	WM	40.28	N.A.	N.A.	17	2.37	N.A.	0	CVU
AO WOODS MUTUAL	WM	6.87		N.A.		1.72	N.A.	0	CVU
MARCUS (TOBEY-WAGNER) WDS	WM	0.96	N.A.	N.A.		0.96	N.A.	0	CVU
KORSTANJE (CARDINALLI) WDS	WM	0.10	N.A.	N.A.	1	0.10	N.A.	0	CVU
CASS WDS	WM	2.44	N.A.	N.A.	1	2.44	N.A.	0	CVU
RUHNKE (EVANS) WDS GOODRICH-POTRERO	WM	0.04	N.A.	N.A.	0	N.A.	N.A.	0	CVU
GOODRICH-POTRERO	WM	0.00	N.A.	0.0%		N.A.	N.A.	0	CVU
	WM	0.21	N.A.	0.0%		0.21	0.00	0	CVU
GREENWALL-Kyung Cho (KING) HELENIUS (LYON) WDS	WM WM	0.00	N.A.	N.A.	0	N.A. 0.09	N.A.	0	CVU CVU
AGE/BOUC WDS	WM WM	0.09	N.A. N.A.	N.A. N.A.	2	0.09	N.A. N.A.	0	CVU
AGE/BOUC WDS IOLBROOK (POSPISHIL) WDS					0			· · · · ·	CVU
VOODS (PREW)WDS	WM WM	0.00	N.A. N.A.	N.A. N.A.	0	N.A. 0.07	N.A. N.A.	0	CVU
L JONES	WM WM	0.07	N.A. N.A.	N.A. N.A.	1	0.07	N.A. N.A.	0	CVU
ARSON	WM	0.27	0.1	N.A. 0.0%		0.27	0.00	0	CVU
OREMAN	WM	0.00	0.1	0.0%		0.00	0.00 N.A.	0	CVU
OKEMAN DUFFY (GUENTHER)	WM	0.00	0.0 N.A.	0.0% N.A.	1	0.00	N.A. N.A.	0	CVU
DUFFY (GUENTHER)	WM	7.27	N.A. N.A.	N.A. N.A.	1	7.27	N.A. N.A.	0	CVU
VARNER (K. GRIGGS)		2.06		N.A. N.A.	1	2.06		0	CVU
OHNSON	WM WM	0.30	N.A. N.A.	N.A. N.A.	1	0.30	N.A. N.A.	0	CVU
IAMERSLOUGH (LITT)	WM	0.30	N.A. N.A.	0.0%		0.00	N.A. N.A.	0	CVU
VEST	WM	0.00		0.0% N.A.	1	0.40	N.A. N.A.	0	CVU
	WM WM	0.40	N.A. 0.0	N.A. 0.0%		0.40	0.00	0	CVU
BENTLEY (RUSEK) DH WELL/CAMPBELL (POOLE)		0.00		0.0%		0.00			CVU
DH WELL/CAMPBELL (POOLE)	WM WM	24.38	0.0 N.A.		1	24.38	0.00 N.A.	0	CVU
ONG RIDGE SLCSD	WM WM	0.35	N.A. N.A.	N.A.	123	0.00	N.A. N.A.	0	CVU
				N.A.					
SLEEPY HOLLOW 16/COLLINS	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
LEEPY HOLLOW 17/COLLINS	WM	0.00	0.0	0.0%		0.00	0.00	0	CVU
YCAMORE STABLES	WM	0.73	N.A.	0.0%		0.73	N.A.	0	CVU
TEMPLE	WM	0.00	N.A. 0.0	N.A. 0.0%	0	0.00	N.A. 0.00	0	CVU CVU

EXHIBIT 10-A

				ATER MANAGEME TEM REPORT - WA	·····				
WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2017									
SYSTEM	REPORTING METHOD	PRODUCTION (AF)	DELIVERY (AF)	UNACCOUNTED (%)	ACTIVE	CONNEC AVG. PROD./ CONNECTION (AF)	TIONS AVG. DEL./ CONNECTION (AF)	NEW	SOURCE AREA
DALE	WM	0.00		0.0%	0	0.00	0.00	0	CVU
RODDICK	WM	0.00		0.0%	0	0.00	0.00	0	CVU
DLSON (OUTZEN)	WM	0.01	N.A.	N.A.	1	0.01	N.A.	0	CVU
BURLEIGH QUAIL MEADOWS DR. (Walter)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU CVU
GIBSON	WM	0.08	0.0 N.A.	0.0% N.A.	1	0.00	N.A.	0	CVU
ZBES (Belzberg)	WM	1.43	N.A.	N.A.	1	1.43	N.A.	0	CVU
DYER	WM	0.59	N.A.	N.A.	1	0.59	N.A.	0	CVU
NEWSOME	WM	0.65	N.A.	N.A.	1	0.65	N.A.	0	CVU
SAXTON	WM	0.08	N.A.	N.A.	1	0.08	N.A.	0	CVU
WASHBURN	WM	0.29	N.A.	N.A.	1	N.A.	N.A.	1	CVU
DOBBAS	WM	1.24	N.A.	N.A.	1	1.24	N.A.	0	CVU
RICHES AMATYA	WM	0.23	0.0	0.0%	1	0.00	N.A. N.A.	0	CVU CVU
UNITARIAN CHURCH	WM	0.01	N.A.	N.A.	2	0.13	N.A.	0	CVU
COOPER	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
SMITH (GARCIA)	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
MARQUEZ (CONDON)	WM	0.06	0.0	0.0%	1	0.00	0.00	1	CVU
ROBERTS	WM	2.16	N.A.	N.A.	1	2.16	N.A.	0	CVU
KAMINSKI	WM	0.05	N.A.	N.A.	1	0.05	N.A.	0	CVU
FRANKS PEBKAR	WM WM	1.09	N.A. 0.0	N.A. 0.0%	0	1.09 0.00	N.A. 0.00	0	CVU CVU
PEBKAR RUTHERFORD (BUCHHOLZ)	WM	2.01	0.0 N.A.	0.0% N.A.	1	2.01	0.00 N.A.	0	CVU
GARZA (GARREN QM)	WM	0.83	N.A.	N.A.	1	0.83	N.A.	0	CVU
SCHWARTZ	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
SADDLE ROAD GROUP	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
218 RANCH (ZOE)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
NIXON (FLAGLER)	WM	0.00	0.0	0.0%	1	0.00	0.00	1	CVU
SEPTEMBER RANCH PTNRS.	WM	32.08	N.A.	N.A.	1	32.08	N.A.	0	CVU
HILLTOP RANCH	WM	7.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	CVU
CAW BISHOP UNIT	WM WM	124.70 120.74		3.5% 20.5%	379 452	0.33	0.32	0	LSS
CAW RYAN RANCH UNIT	WM	55.44		8.4%	185	0.27	0.21	0	LSS
SPCA	WM	9.59	N.A.	N.A.	2	4.80	N.A.	0	LSS
CASANOVA WDS	WM	1.23		N.A.	1	1.23	N.A.	0	MIS
AGUAJITO ROAD	WM	3.30	N.A.	N.A.	4	0.83	N.A.	0	MIS
FLAGG HILL	WM	1.32	N.A.	N.A.	2	0.66	N.A.	0	MIS
HIDDEN MESA	WM	0.38	N.A.	N.A.	3	0.13	N.A.	0	MIS
COFFEY (MELNICK)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	MIS
MONTERRA RANCH PT.LOBOS RANCH	WM	62.41	N.A.	17.5% N.A.	8	0.53	N.A. N.A.	0	MIS
RILEY RANCH	WM	0.44	N.A. N.A.	N.A.	3	0.15	N.A.	0	MIS
RANCHITOS DE AGUAJITO	WM	7.03	N.A.	N.A.	10	0.70	N.A.	0	MIS
SENA TRUST	WM	1.60	N.A.	N.A.	2	0.80	N.A.	0	MIS
TROSKY	WM	0.02	0.0	0.0%	1	0.00	0.00	0	MIS
HEAD	WM	0.19	N.A.	N.A.	1	0.19	N.A.	0	MIS
CARMEL HILL	WM	0.00	0.0	0.0%	0	0.00	0.00	0	MIS
COLGAC	WM	0.10	N.A.	N.A.	1	0.00	N.A.	0	MIS
KASHFI SUNDISE SENIOD CENTED	WM	0.00	0.0 N A	0.0%	0	N.A.	N.A.	0	MIS
SUNRISE SENIOR CENTER	WM	0.82		N.A. N.A.	1	0.82	N.A. N.A.	0	MIS
DUNNION	WM	0.34		N.A.	1	0.34	N.A.	0	MIS
CULLEN (MAYL)	WM	0.06		N.A.	1	0.00	N.A.	0	MIS
LAUCH	WM	0.35		N.A.	1	0.35	N.A.	0	MIS
THORP	WM	0.06	0.0	N.A.	1	0.06	N.A.	0	MIS
REGAN - ALLEN RANCH	WM	1.14		N.A.	1	1.14	N.A.	0	MIS
CARROLL/RANCHO U	WM	0.54		N.A.	1	N.A.	N.A.	0	MIS
LENZ-KENDALL	WM	1.17		N.A.	1	1.17	N.A.	0	MIS
ANDERSON RODATOS (GREEK ORTHODOX)	WM WM	0.02		N.A. N.A.	1	0.02	N.A. N.A.	0	MIS
STEPHEN PLACE	WM	0.19		0.0%	0	0.19	0.00	0	MIS
FLORES	WM	0.80		N.A.	1	0.00	0.00	1	MIS
FLORES (formerly PISENTI)	WM	0.00		0.0%	0	0.00	0.00	0	MIS
ADRIAN	WM	0.57		N.A.	1	0.57	N.A.	0	MIS
TYDINGS/Cappo	WM	1.20		N.A.	3	0.40	N.A.	1	MIS
GOLLOGY (Garren Highlands)	WM	0.06		N.A.	1	0.06	N.A.	0	MIS
SILVESTRI	WM	0.98		N.A.	1	0.98	N.A.	0	MIS
VAN ESS	WM	0.00		N.A.	0	0.00	N.A.	0	MIS
COX (HARTNETT) OCEAN VIEW CSD	WM WM	0.24		N.A. 0.0%	0	N.A. 0.00	N.A. 0.00	0	MIS
CITY OF SAND CITY DESAL	WM	248.98		N.A.	1	0.00 N.A.	N.A.	0	MIS
TOTALS		10,414.87			40,023			32	

				ATER MANAGEME TEM REPORT - WAT					
		1				CONNEC	TIONS		
	REPORTING	PRODUCTION	DELIVERY	UNACCOUNTED		CONNEC AVG. PROD./ CONNECTION	AVG. DEL./ CONNECTION		SOURCE
SYSTEM	METHOD	(AF)	(AF)	(%)	ACTIVE	(AF)	(AF)	NEW	AREA
CAW (CAL-AM) Main System SEASIDE MUNI	WM WM	9,335.41 195.14	8,832.79 N.A.	5.4% N.A.	37,600 788	0.25	0.23 N.A.	7	AS1-4, SCS
MONTEREY BAY SHORES	WM	0.00	0.0	0.0%	0	0.23	0.0	0	SCS
MPWMD ASR-1	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	SCS
ABADIR (A)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS2
ABADIR C (MANSON) ANIMAL FARM	WM WM	0.02	N.A. N.A.	N.A. N.A.	1	0.02	N.A. N.A.	0	AS2 AS2
CARMEL VALLEY ROAD II	WM	1.09	N.A. N.A.	N.A.	4	0.40	N.A. N.A.	0	AS2 AS2
CHANEY/SCHAFFER	LU	0.41	N.A.	N.A.	2	0.21	N.A.	0	AS2
FAIR WEATHER	LU	1.26	N.A.	N.A.	2	0.63	N.A.	0	AS2
GOOD NEIGHBOR	LU	1.24	N.A.	N.A.	2	0.62	N.A.	0	AS2
JONES RANCHO SAN CARLOS ROAD	LU WM	0.23	N.A. N.A.	N.A. N.A.	1 3	0.23 0.43	N.A. N.A.	0	AS2 AS3
RIVERSIDE RV PARK	WM	8.60	N.A.	N.A.	N.A.	N.A.	N.A.	0	AS3 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
SAN MARCO	WM	2.86		N.A.	3	0.95	N.A.	0	AS3
CANADA WOODS ALLUVIAL AIELLO	WM WM	56.08 0.23	N.A. N.A.	N.A. N.A.	N.A.	N.A. 0.23	N.A. N.A.	N.A.	AS3 AS3
AIELLO ALADWELL (ADDISON)	WM WM	2.30		N.A. N.A.	2	0.23	N.A. N.A.	0	AS3 AS3
LATTA IRRIGATION (was BARDIS 2)	WM	1.00	N.A.	N.A.	1	1.00	N.A.	0	AS3
LATTA DOMESTIC (was BARDIS 2)	WM	0.05	N.A.	N.A.	1	0.05	0.00	0	AS3
ST. DUNSTAN'S	WM	0.21	N.A.	N.A.	1	0.21	N.A.	0	AS3
ALL SAINTS	WM	0.41	N.A.	N.A.	1	0.41	N.A.	0	AS3
RSCRd#3/HATTON RANCHO CARMEL GREENS	WM WM	3.37 6.54	N.A. N.A.	<u>N.A.</u> N.A.	3	1.12 6.54	N.A. N.A.	0	AS3 AS4
CLARK/WELLS FARGO	WM WM	0.00	N.A. 0.0	0.0%	0	0.00	0.00	0	AS4 AS4
MAL PASO	WM	0.00	0.0	0.0%	0	0.00	0.00	0	AS4
CACHAGUA RD. 1	WM	0.20		N.A.	3	0.07	N.A.	0	CAC
CACHAGUA RD. 2	LU	0.92		N.A.	9	0.10	N.A.	0	CAC
VALLEY CREEK (JENSEN) MHP	WM	8.02	N.A.	N.A.	24	0.33	N.A.	0	CAC
NASON ROAD PRINCES CAMP	LU WM	0.00 7.15	N.A. N.A.	<u>N.A.</u> N.A.	<u>4</u> 50	0.00 0.14	N.A. N.A.	0	CAC CAC
AGUA FRESCA	WM	1.09	N.A.	N.A.	2	0.55	N.A.	0	CVU
ВООТН	WM	0.46		N.A.	1	0.46	N.A.	0	CVU
BOSSO (from LU method in 07)	WM	1.93		N.A.	2	0.97	N.A.	0	CVU
CANADA WOODS UPLAND	WM	110.20		N.A.	61	1.81	N.A.	6	CVU
COUNTRY CLUB ROAD	LU WM	1.40		N.A.	5	0.28	N.A. N.A.	0	CVU CVU
CHOPIN DOLLASE	WM	0.06	N.A. N.A.	<u>N.A.</u> N.A.	4	0.06	N.A. N.A.	0	CVU
FRUMKIN	WM	0.15	N.A.	N.A.	1	0.00	N.A.	0	CVU
HYLES (RIVERA/HOMZA)	WM	0.10		N.A.	1	0.10	N.A.	0	CVU
LOS ROBLES ROAD	WM	15.20		N.A.	6	2.53	N.A.	0	CVU
P&M RANCH	WM	8.20		N.A.	6	1.37	N.A.	0	CVU
PELIO RANCHO DE ROBLEDEO	WM WM	9.09	N.A. N.A.	<u>N.A.</u> N.A.	1 7	N.A. 1.09	N.A. N.A.	0	CVU CVU
SADDLE MOUNTAIN	WM	2.75	N.A.	N.A.	26	0.11	N.A. N.A.	0	CVU
SCHULTE ROAD	WM	1.89	N.A.	N.A.	5	0.38	N.A.	0	CVU
SLEEPY HOLLOW	WM	44.92	N.A.	N.A.	17	2.64	N.A.	0	CVU
TAO WOODS MUTUAL	WM	1.67	N.A.	N.A.	4	0.42	N.A.	0	CVU
MARCUS (TOBEY-WAGNER) WDS	WM WM	0.77	N.A.	N.A.	1	0.77	N.A.	0	CVU CVU
KORSTANJE (CARDINALLI) WDS CASS WDS	WM WM	0.10		N.A. N.A.	1	0.10 2.20	N.A. N.A.	0	CVU CVU
FAASSE (EVANS) WDS	WM	0.04	N.A.	N.A.	0	N.A.	N.A.	0	CVU
GOODRICH-POTRERO	WM	0.00	N.A.	0.0%	0	N.A.	N.A.	0	CVU
GRANITE WDS	WM	0.16		0.0%	1	0.16	0.00	0	CVU
GREENWALL-Kyung Cho (KING)	WM	0.00		N.A.	0	N.A.	N.A.	0	CVU
HELENIUS (LYON) WDS PAGE/BOUC WDS	WM WM	0.09		<u>N.A.</u> N.A.	1 2	0.09 0.98	N.A. N.A.	0	CVU CVU
HOLBROOK (POSPISHIL) WDS	WM WM	0.00	N.A. N.A.	N.A. N.A.	2 0	0.98 N.A.	N.A. N.A.	0	CVU CVU
WOODS (PREW)WDS	WM	0.30		N.A.	1	0.30	N.A.	0	CVU
R. JONES	WM	0.24	N.A.	N.A.	1	0.24	N.A.	0	CVU
LARSON	WM	0.00		0.0%	1	0.00	0.00	0	CVU
FOREMAN	WM	0.02	0.0	0.0%	1	0.02	N.A.	0	CVU
GUENTHER D. GRIGGS	WM WM	0.03	N.A. N.A.	N.A. N.A.	1	0.03 7.22	N.A. N.A.	0	CVU CVU
WARNER (K. GRIGGS)	WM	1.22	N.A. N.A.	N.A. N.A.	1	1.81	N.A. N.A.	0	CVU
JOHNSON	WM	0.16		N.A.	1	0.16	N.A.	0	CVU
HAMERSLOUGH (LITT)	WM	0.00	N.A.	0.0%	1	0.00	N.A.	0	CVU
WEST	WM	0.52		N.A.	1	0.52	N.A.	0	CVU
BENTLEY (RUSEK)	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU
OH WELL/CAMPBELL (POOLE) BELLAMY	WM WM	0.16		0.0% N.A.	1	0.00	0.00 N.A.	0	CVU CVU
LONG RIDGE SLCSD	WM WM	0.35		N.A. N.A.	1 123	0.00	N.A. N.A.	0	CVU CVU
SLEEPY HOLLOW 16/COLLINS	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU
SLEEPY HOLLOW 17/COLLINS	WM	0.00		0.0%	0	0.00	0.00	0	CVU
SYCAMORE STABLES	WM	0.27	N.A.	0.0%	1	0.27	N.A.	0	CVU
STEMPLE	WM	0.00	N.A.	N.A.	0	0.00	N.A.	0	CVU
WHITE	WM	0.00	0.0	0.0%	0	0.00	0.00	0	CVU

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2016										
SYSTEM	METHOD	PRODUCTION (AF) 0.00	(AF)	UNACCOUNTED (%) 0.0%	ACTIVE	CONNEC AVG. PROD./ CONNECTION (AF) 0.00	TIONS AVG. DEL./ CONNECTION (AF) 0.00	NEW	SOURCE AREA CVU	
DALE RODDICK	WM WM	0.00		0.0%	0 0	0.00	0.00	0	CVU CVU	
OLSON (OUTZEN)	WM	0.00	N.A.	N.A.	1	0.00	N.A.	0	CVU	
BURLEIGH	WM	0.00		0.0%	0	0.00	0.00	0	CVU	
QUAIL MEADOWS DR. (Walter)	WM	0.00		0.0%	1	0.00	0.00	1	CVU	
GIBSON ZDES (Deletere)	WM	0.38		N.A.	1	0.38	N.A.	0	CVU	
ZBES (Belzberg) FLANAGAN (DYER)	WM WM	0.97	N.A. N.A.	N.A. N.A.	1	0.97 0.58	N.A. N.A.	0	CVU CVU	
NEWSOME	WM	0.38	N.A.	N.A.	1	0.38	N.A.	0	CVU	
SAXTON	WM	0.10		N.A.	1	0.10	N.A.	0	CVU	
WASHBURN	WM	0.07	N.A.	N.A.	1	N.A.	N.A.	1	CVU	
DOBBAS	WM	0.43		N.A.	1	0.43	N.A.	0	CVU	
RICHES AMATYA	WM WM	1.69 0.01	0.0	0.0%	1	0.00	N.A. N.A.	1 0	CVU CVU	
UNITARIAN CHURCH	WM WM	0.01		N.A.	2	0.00	N.A.	0	CVU	
COOPER	WM	0.00		0.0%	0	0.00	N.A.	0	CVU	
GARCIA	WM	0.00	0.0	0.0%	0	0.00	N.A.	0	CVU	
CONDON/CHUGACH	WM	0.07	0.0	0.0%	1	0.00	0.00	1	CVU	
ROBERTS	WM	1.66		N.A.	1	1.66	N.A.	0	CVU	
KAMINSKI FRANKS	WM WM	0.08	N.A. N.A.	N.A. N.A.	1	0.08	N.A. N.A.	0	CVU CVU	
PEBKAR	WM WM	0.91		0.0%	0	0.00	0.00	0	CVU	
RUTHERFORD (BUCHHOLZ)	WM	1.64	N.A.	N.A.	1	1.64	N.A.	0	CVU	
GARREN QUAIL MEADOWS	WM	0.46		N.A.	1	0.46	N.A.	0	CVU	
SCHWARTZ	WM	0.00		0.0%	0	0.00	0.00	0	CVU	
SADDLE ROAD GROUP	WM	0.00		0.0%	0	0.00	0.00	0	CVU	
218 RANCH (ZOE)	WM	0.00		0.0%	0	0.00	0.00	0	CVU	
NIXON (FLAGLER) SEPTEMBER RANCH PTNRS.	WM WM	0.03 60.57	0.0 N.A.	0.0% N.A.	<u> </u>	0.00 60.57	0.00 N.A.	1	CVU CVU	
HILLTOP RANCH	WM	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	CVU	
CAW BISHOP UNIT	WM	134.54		0.7%	380	0.35	0.35	0		
CAW HIDDEN HILLS UNIT	WM	125.45	104.8	16.5%	450	0.28	0.23	0	LSS	
CAW RYAN RANCH UNIT	WM	56.73	53.1	6.5%	197	0.29	0.27	0	LSS	
SPCA	WM	6.06		N.A.	2	3.03	N.A.	0	LSS	
CASANOVA WDS AGUAJITO ROAD	WM WM	1.07 3.74	N.A. N.A.	N.A. N.A.	4	1.07 0.94	N.A. N.A.	0	MIS MIS	
FLAGG HILL	WM	1.50		N.A.	2	0.75	N.A.	0	MIS	
HIDDEN MESA	WM	0.33		N.A.	3	0.11	N.A.	0	MIS	
MESSENGER/MELNICK	WM	0.00		0.0%	0	0.00	0.00	0	MIS	
MONTERRA RANCH	WM	59.89		17.5%	117	0.51	N.A.	0	MIS	
PT.LOBOS RANCH	WM	2.56		N.A.	8	0.32	N.A.	0	MIS	
RILEY RANCH RANCHITOS DE AGUAJITO	WM WM	1.59 7.40		N.A. N.A.	$\frac{3}{10}$	0.53 0.74	N.A. N.A.	0	MIS MIS	
SENA TRUST	WM	2.82		N.A.	2	1.41	N.A.	0	MIS	
TROSKY	WM	0.00		0.0%	1	0.00	0.00	0	MIS	
HEAD	WM	0.28	N.A.	N.A.	1	0.28	N.A.	0	MIS	
CARMEL HILL	WM	0.00		0.0%	0	0.00	0.00	0	MIS	
COLGAC KASHFI	WM	0.16		N.A.	1	0.00	N.A.	0	MIS	
KASHFI SUNRISE SENIOR CENTER	WM WM	0.00		0.0% N.A.	0	N.A. 0.44	N.A. N.A.	0	MIS MIS	
DUNNION	WM WM	0.44	N.A. N.A.	N.A.	1	0.44	N.A.	0	MIS	
DMC	WM	0.00		N.A.	1	0.00	N.A.	0	MIS	
MAYL (D.P. CARMEL INVESTORS)	WM	0.09		N.A.	1	0.00	N.A.	0	MIS	
LAUCH	WM	0.32	N.A.	N.A.	1	0.32	N.A.	0	MIS	
THORP	WM	0.05		N.A.	1	0.05	N.A.	0	MIS	
REGAN CARROLL/RANCHO U	WM WM	1.43 0.48		N.A. N.A.	1	1.43 N.A.	N.A. N.A.	0	MIS MIS	
LENZ-KENDALL	WM	1.07	N.A.	N.A.	1	1.07	N.A.	0	MIS	
ANDERSON	WM	0.02		N.A.	1	0.02	N.A.	0	MIS	
GREEK ORTHODOX	WM	0.03		N.A.	1	0.03	N.A.	1	MIS	
STEPHEN PLACE	WM	0.00		0.0%	0	0.00	0.00	0	MIS	
FLORES	WM	1.22		N.A.	1	0.00	0.00	1	MIS	
PISENTI ADRIAN	WM WM	0.00		0.0%	0	0.00 0.68	0.00 N.A.	0	MIS MIS	
TYDINGS/Cappo	WM WM	1.44		N.A.	3	0.08	N.A. N.A.	1	MIS	
GOLLOGY (Garren Highlands)	WM	0.19		N.A.	1	0.19	N.A.	0	MIS	
SILVESTRI	WM	0.26	N.A.	N.A.	1	0.26	N.A.	0	MIS	
VAN ESS	WM	0.05	N.A.	N.A.	1	0.05	N.A.	0	MIS	
COX (HARTNETT)	WM	0.48		N.A.	1	N.A.	N.A.	0	MIS	
OCEAN VIEW CSD CITY OF SAND CITY DESAL	WM WM	0.00 160.94		0.0%	0	0.00	0.00	0	MIS	
	W M	160.94	I NA	NA	1	N.A.	N.A.	0	MIS	

WATER DISTRIBUTION SYSTEM REPORT - WATER YEAR 2016

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 2,168.8 AF from Seaside coastal wells and 7,704.9 AF from Carmel Valley wells. No water was transferred to the Seaside Municipal Water System in WY 2016. The Carmel Valley well total includes 1.31 AF transferred to the Ryan Ranch Unit in 2016. 160.9 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 160.9 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 Ssystem. 699.2 AF of water were provided for injection to ASR wells in the Seaside Basin from Cal-Am wells in Carmel Valley. 609.5 AF of injected ASR water was recovered from Seaside coastal wells in WY 2016, but is not included as it was already counted when it was originally produced prior to injection. No water was diverted from San Clemente Reservoir during WY 2016.
- 5. Cal-Am's main system deliveries total 8,832.8 AF. This total was derived as shown:

<u>Reported Cal-Am Consumption</u> <u>Water Year 2016 (AF)</u>							
City Total	6,226.56						
County Total	2,596.67						
subtotal	8,823.23						
CV Irrigation	0.52						
PB-LCP	9.04						
Total	8,832.79						

- 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. 10.35 AF was produced from the Mal Paso well in WY 2016, and that amount is included in production for the Cal-Am Main System. The CAW WDS was amended two times in WY 2016 (once for the Hilby Pump Station and Monterey Pipeline to provide more water to ASR, and once to allow up to 90 AF/year to be transferred from Monterey Bay Shores Seaside Groundwater Basin water rights to one Cal-Am master connection). The Hilltop Ranch WDS was approved in WY 2016. The Reppy WDS consists of one well with specific limits on two separate meters, and so, it appears twice, once as "domestic" and again as "irrigation". That system and the All Saints WDS represent revisions to the previously approved and amended Bardis WDS. 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.
- 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; annexed to Cal-Am in 1993. In WY 2016, 0.17 AF were transferred from Hidden Hills to the Toro System.
- 12. The Ryan Ranch Unit is owned and operated by Cal-Am. 1.31 AF produced by wells in Cal-Am's Main System were delivered to the Ryan Ranch Unit in WY 2016 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.

U:\tom\word\wells16\WDSnotes_Attachment1.docx

ITEM: CONSENT CALENDAR

11. RECEIVE AND FILE DISTRICT-WIDE ANNUAL WATER PRODUCTION SUMMARY REPORT FOR WATER YEAR 2017

Meeting Date:	April 16, 2018	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 Counse	l 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) 2017. WY 2017 covers the 12-month period from October 1, 2016 through September 30, 2017. Preliminary computations indicate that 14,146 acre-feet (AF) of groundwater were produced from registered wells in the District during WY 2017 (**Exhibit 11-A**). In addition, 49 AF of surface water were diverted by private users. Combined surface and groundwater production from all sources within the District in WY 2017 is calculated at 14,195 AF. This report presents comparisons of California American Water (Cal-Am) and non Cal-Am production in WY 2017 and WY 2016, 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 1,274 registered wells in the District. Of this total, 864 wells are active, and 394 wells are inactive. A well is considered active if it has produced any water in the last reporting period, i.e., WY 2017. Information on the remaining 16 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 2017. Data adjustments were required to estimate water production from 87 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 45 cases, production records were incomplete because reported meter readings covered a period shorter than WY 2017. Ten of those records were incomplete because meters were replaced or repaired after the start of WY 2017. 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 42 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. Six meters were installed during WY 2017 on wells that formerly reported production by the Land Use Method; meters are required to be installed on wells overlying the Monterey Peninsula Water Resources System upon change of title. There were also 11 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 2017 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 11-A**. For comparison, production values for WY 2016 are presented in **Exhibit 11-B**. The various source areas are shown in **Exhibit 11-C**. The volume of water produced from each source area is shown in **Exhibit 11-D**. The number of active non Cal-Am wells and the volume of water produced by each reporting method from WY 2005 through WY 2017 are shown in **Exhibit 11-E**.

District-wide, total water production increased by 402 AF (2.9%) in WY 2017 compared to WY 2016. Specifically, groundwater withdrawals increased by 329 AF (2.4%), and surface diversions decreased by 15 AF (23.8%). 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 2017 decreased by 320 AF (2.5%) compared to WY 2016. Specifically, Cal-Am production in WY 2017 increased by 650 AF (6.8%), and Non Cal-Am production decreased by 329 AF (10.7%). Cal-Am production from Carmel Valley increased 496 AF (6.4%), and Cal-Am production from the Seaside Basin increased by 153 AF (8.2%). Non Cal-Am production from Carmel Valley decreased by 317 AF (14.8%) compared to WY 2017, 249 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 2017, 2,345 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. 1,501 AF of recovery water was produced for Cal-Am Customer Service in WY 2017. For reference, since the

District's Seaside ASR Program began testing in WY 1998 through the end of WY 2017, a total of 8,031 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 2017 was 10,231 AF, or 7,410 AF (42%) 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 2017 was 2,746 AF, or 300 AF (9.8%) greater 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 12,797 AF in WY 2017, which is 7,710 acre-feet (37.3%) 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 2017 relative to the District's Water Allocation limits is presented in Exhibit 11-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 11-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 11-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 2017. In addition, 99% of registered well owners in the District reported annual production for their wells in WY 2017.

EXHIBITS

- 11-A District-wide Water Production Summary for Water Year 2017
- 11-B District-wide Water Production Summary for Water Year 2016
- 11-C MPWMD Water Production Source Areas
- **11-D** Water Production by Source Area for Water Year 2017
- **11-E** District-wide Production and Number of Wells by Reporting Method for non Cal-Am Wells in WY 2005 through WY 2017
- **11-F** Comparison of Reported Production to Production Limits within the MPWRS in RY 2007, WY 2007 and WY 2017

EXHIBIT 11-A

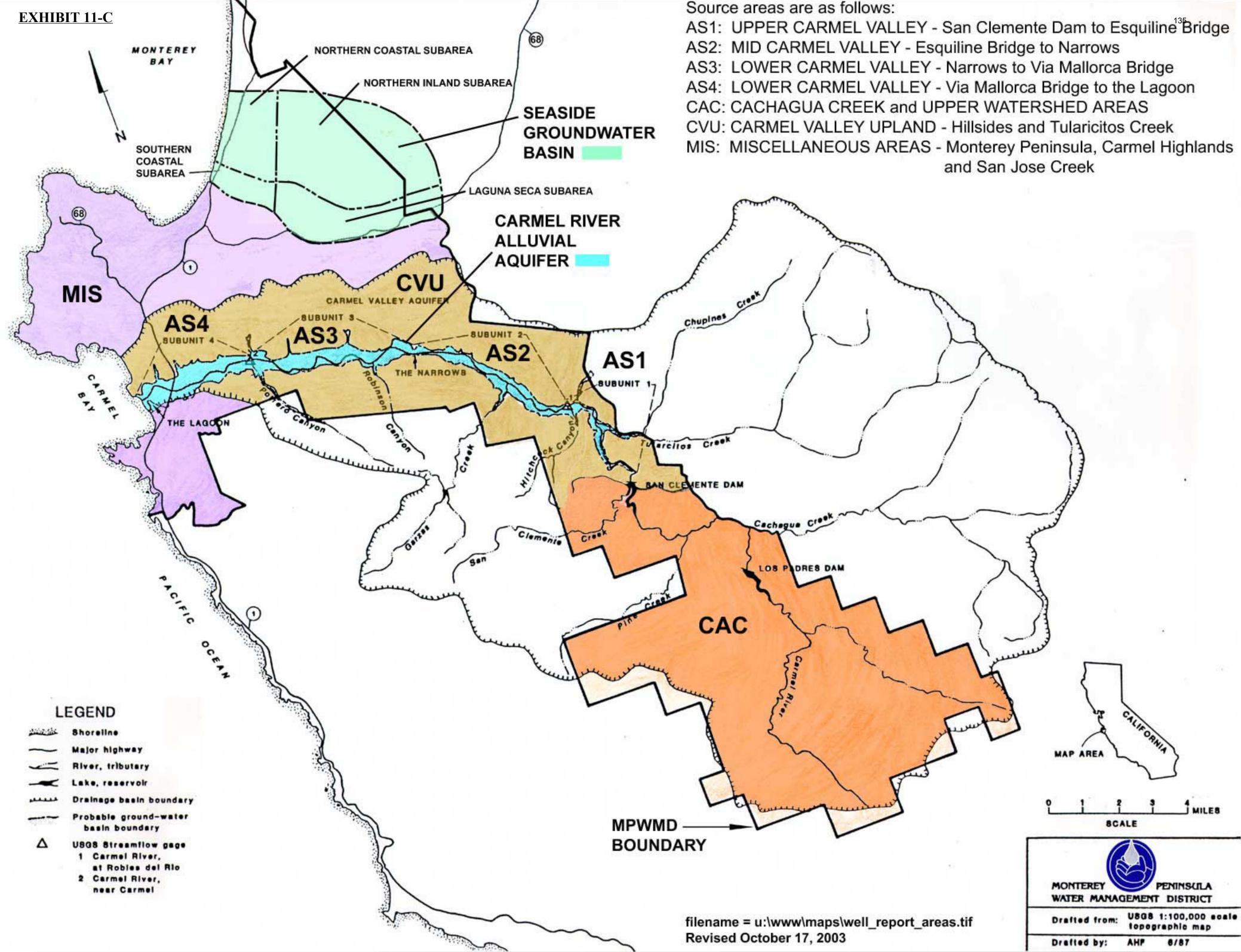
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT DRAFT WATER PRODUCTION SUMMARY FOR WATER YEAR 2017

SOURCE AREAS ^{1, 2}		NON	CAW (NC	N CAL-AM) WE	LLS		CAW (C	AL-AM) WELLS		SUBUNIT
ANEAO		ATER ETER	LA	ND USE	SU	B-TOTAL	WATER METER			
	NO. OF PR WELLS	RODUCTION 3 (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)
AS1	9	78.5	1	0.1	10	78.6	0	0.0	10	78.6
AS2	57	139.4	31	30.9	88	170.3	4	475.2	92	645.5
AS3	136	991.0	42	32.2	178	1,023.2	8	⁵ 6,811.8	186	7,835.1
AS4	32	148.5	4	3.1	36	151.6	2	914.2	38	1,065.8
SCS	12	923.8	2	1.8	14	925.7	6	1,730.4	20	2,656.1
LSS	9	372.8	2	2.9	11	375.8	4	299.1	15	674.9
CAC	8	28.9	5	10.5	13	39.4	0	0.0	13	39.4
CVU	305	547.5	40	35.7	345	583.2	0	0.0	345	583.2
MIS	137	313.4	8	5.5	145	319.0	0	0.0	145	319.0
ACTIVE	705	3,544.0	135	122.8	840	3,666.7	24	10,230.7	864	13,897.5
INACTIVE	349		35		384		10		394	
NOT REPORTING	4		12		16		0		16	
SAND CITY DESAL							0	249.0	á	adjusted for SC desal
METHOD TOTALS:	1,058	3,544.0	182	122.8	1,240	3,666.7	34	10,479.7	1,274	14,146.4
NOTES: 1. Shaded areas indicate	production within	n the Monterey Per	insula Wate	r Resources System	.		[DISTRICT-WIDE	PRODUCTION	
The LSS was added to						SURFACE WAT	ER DIVER	SIONS:		
2. CAW - California Ameri	can Water						CA	W Diversions (S	an Clemente Dam):	0.0
	can water						Non	Cal-Am Diversio	ns Within MPWRS:	21.0
 Source areas are as fol AS1 - UPPER CARMEL 	lows:	Clomente Dam te l	Ecquilino Bri	dao		CAW WELLS:				
AS2 - MID CARMEL VA	LLEY - Esquilin	e Bridge to Narrows	5	uge					6 SEASIDE:	2,029.5
AS3 - LOWER CARME AS4 - LOWER CARME	L VALLEY - Nan L VALLEY - Via	rows to Via Mallorca Mallorca Bridge to	a Bridge						CARMEL VALLEY:	8,201.2
SCS - SEASIDE COAS	TAL SUBAREAS	S	0					Nithin the Water	Resources System:	10.230.7
LSS - LAGUNA SECA S CAC - CACHAGUA CR									Resources System:	0.0
CVU - CARMEL VALLE	Y UPLAND - Hil	lisides and Tularcito	os Creek Are						Sand City Desal	249.0
MIS - PENINSULA, CAI 4. Any minor numerical dis	RMEL HIGHLAN screpancies in a	IDS AND SAN JOS	E CREEK A	REAS				CAW TOTAL W	Vells and Diversion:	10,479.7
5 2,345.19 AF is included	in CAW produc	ction from AS3 to a	count for wa	ater delivered to AS	R in	NON CAW WEL				10,470.7
WY 2017.	ŴY 2017.						١	Nithin the Water	Resources System:	2,725.2
6. This total includes water produced in both SCS and LSS, and does not 1,501.33 AF of ASR							0	utside the Water	Resources System:	941.6
water that was recovered for Customer Service in WY 2017.							Non Cal-	utside the MPWRS:	27.8	
 Production includes 1.80 AF to Ryan Ranch from CAW Main System in WY 2017. No water was delivered to Seaside Municipal System in WY 2017. 							NON	I CAW TOTAL, V	Vells and Diversion:	3,715.6
									GRAND TOTAL:	14,195.3
									GRAND TUTAL:	14,190.3

EXHIBIT 11-B

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT **DRAFT WATER PRODUCTION SUMMARY FOR WATER YEAR 2016**

SOURCE AREAS ^{1, 2}	NON CAW (NON CAL-AM) WELLS						CAW (CAL-AM) WELLS			AQUIFER SUBUNIT TOTALS	
AREAS		WATER METER	LAND USE		SUB-TOTAL		WATER METER		10	TALS	
	NO. OF WELLS	PRODUCTION 3 (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	NO. OF WELLS	PRODUCTION (AF)	
AS1	9	96.0	1	0.1	10	96.1	0	0.0	10	96.1	
AS2	56	138.0	32	31.7	88	169.6	3	153.7	91	323.3	
AS3	133	1,113.7	46	34.7	179	1,148.4	6	⁵ 6,206.9	185	7,355.3	
AS4	29		6	3.1	35	355.4	2	1,344.3	37	1,699.7	
SCS	8		2	1.8	10	938.2	6	1,559.3	16	2,497.5	
LSS	7		2		9	354.4	4	316.7	13	671.1	
CAC	8	20.7	8	12.1	16	32.8	0	0.0	16	32.8	
CVU	299	534.6	44	39.0	343	573.6	0	0.0	343	573.6	
MIS	130	313.3	10	5.5	140	318.8	0	0.0	140	318.8	
ACTIVE	679	3,856.7	151	130.7	830	3,987.4	21	9,580.9	851	13,568.3	
INACTIVE	348		30		378		11		389		
NOT REPORTING	9		13		22		0		22		
SAND CITY DESAL							0	160.9		adjusted for SC desal	
METHOD TOTALS:	1,036	3,856.7	194	130.7	1,230	3,987.4	32	9,741.9	1,262	13,729.2	
NOTES:						DISTRICT-WIDE PRODUCTION					
 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:					
						CAW Diversions (San Clemente Dam):				0.0	
2. CAW - California American Water						Non Cal-Am Diversions Within MPWRS:				13.3	
3. Source areas are as fo	llows:					CAW WELLS:					
AS1 - UPPER CARMEL VALLEY - San Clemente Dam to Esquiline Bridge									6 SEASIDE:	1,876.0	
AS2 - MID CARMEL VALLEY - Esquiline Bridge to Narrows AS3 - LOWER CARMEL VALLEY - Narrows to Via Mallorca Bridge									CARMEL VALLEY:	7,704.9	
AS4 - LOWER CARMEL VALLEY - Via Mallorca Bridge to Lagoon						Within the Water Resources System:				9,580.9	
SCS - SEASIDE COASTAL SUBAREAS									Resources System:	0.0	
LSS - LAGUNA SECA SUBAREA (Ryan Ranch Area is within LSS) CAC - CACHAGUA CREEK and UPPER WATERSHED AREAS							0		Sand City Desal	160.9	
CVU - CARMEL VALLEY UPLAND - Hillsides and Tularcitos Creek Area								CAW TOTAL W	ells and Diversion:	9,741.9	
MIS - PENINSULA, CARMEL HIGHLANDS AND SAN JOSE CREEK AREAS 4. Any minor numerical discrepancies in addition are due to rounding.						NON CAW WELLS:					
								Within the Water F	Resources System:	3,062.2	
5 699.18 AF is included in CAW production from AS3 to account for water delivered to ASR in WY 2016.									Resources System:	925.2	
WT 2010.									utside the MPWRS:	925.2 50.7	
6. This total does not includes 609.45 AF of ASR water that was recovered for Customer Service in											
WY 2016.							NON	ICAW ICIAL, W	/ells and Diversion:	4,051.4	
7. Production includes 1.31 AF to Ryan Ranch from CAW Main System in WY 2016. No water was									GRAND TOTAL:	13,793.3	



Source areas are as follows:

EXHIBIT 11-D

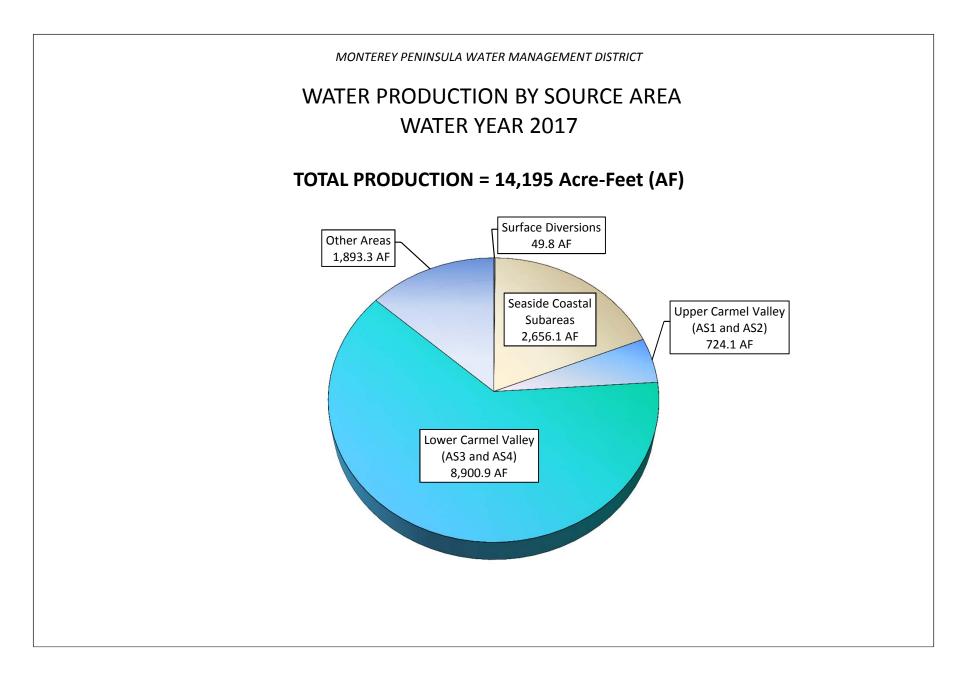


EXHIBIT 11-E

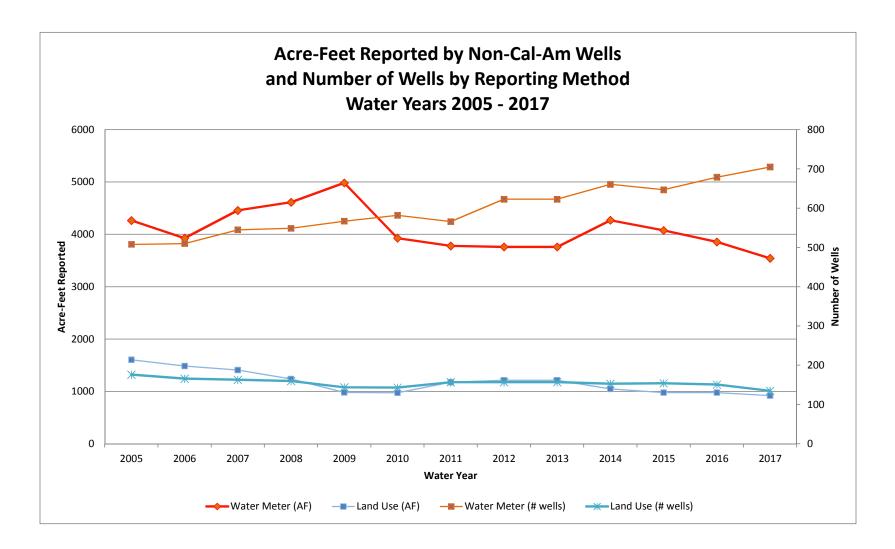
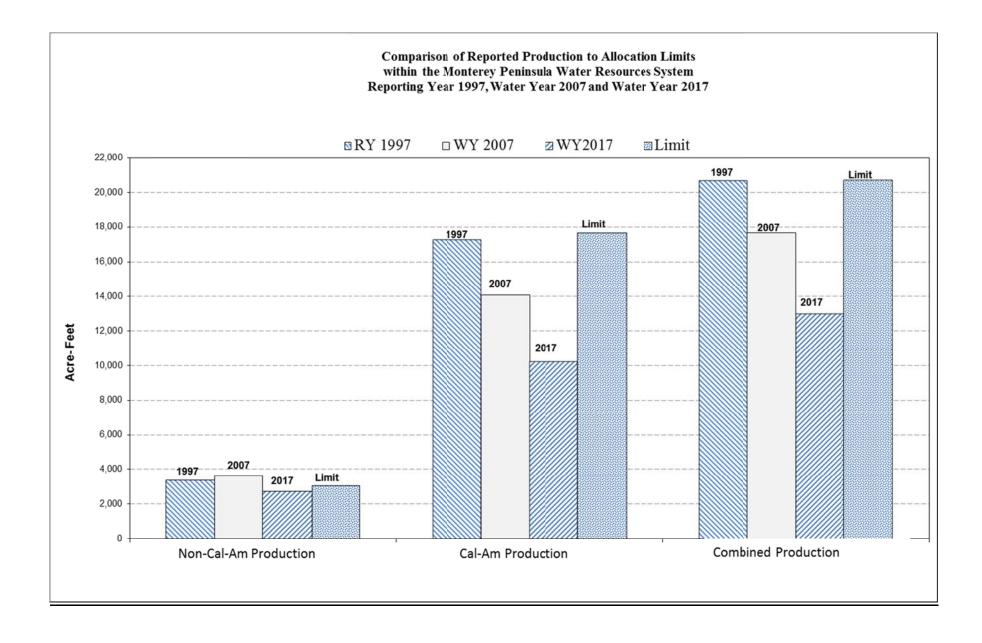


EXHIBIT 11-F



ITEM: CONSENT CALENDAR

12. CONSIDER ADOPTION OF TREASURER'S REPORT FOR FEBRUARY 2018

Meeting Date:	April 16, 2018	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 9, 2018 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 12-A comprises the Treasurer's Report for February 2018. **Exhibit 12-B, Exhibit 12-C** and **Exhibit 12-D** are listings of check disbursements for the period February 1-28, 2018. Check Nos. 31304 through 31605, the direct deposits of employee's paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of \$706,850.93. That amount included \$63,540.26 for conservation rebates. **Exhibit 12-E** reflects the unaudited version of the financial statements for the month ending February 28, 2018.

RECOMMENDATION: District staff recommends adoption of the February 2018 Treasurer's Report and financial statements, and ratification of the disbursements made during the month.

EXHIBITS

- **12-A** Treasurer's Report
- **12-B** Listing of Cash Disbursements-Regular
- **12-C** Listing of Cash Disbursements-Payroll
- **12-D** Listing of Other Bank Items
- **12-E** Financial Statements

 $\label{eq:listaff} U: staff \ Boardpacket \ 2018 \ 20180416 \ ConsentClndr \ 12 \ Item \ 12. docx$

MONTEREY PENINSULA WATER MANAGEMENT DISTRICT TREASURER'S REPORT FOR FEBRUARY 2018

Description	<u>Checking</u>	MPWMD <u>Money Market</u>	<u>L.A.I.F.</u>	Wells Fargo <u>Investments</u>	MPWMD <u>Total</u>	Rabobank <u>Line of Credit</u>	PB Reclamation <u>Money Market</u>
Beginning Balance	\$52,641.45	\$3,062,046.43	\$2,016,786.07	\$1,533,657.91	\$ 6,665,131.86	\$0.00	\$348,140.56
Fee Deposits		4,682,725.49			4,682,725.49		492,238.17
Line of Credit Draw/Payoff					0.00		
Interest		133.92		864.59	998.51		19.06
Transfer to/from LAIF					0.00		
Transfer-Money Market to Checking	\$600,000.00	(600,000.00)			0.00		
Transfer-Money Market to W/Fargo		(1,500,000.00)		1,500,000.00	0.00		
Transfer-W/Fargo to Money Market					0.00		
W/Fargo-Investment Purchase					0.00		
Transfer Ckg to MPWMD M/Mrkt					0.00		
MoCo Tax & WS Chg Installment Pymt					0.00		
Transfer to CAWD					0.00		
Voided Cks					0.00		
Bank Corrections/Reversals/Errors					0.00		
Bank Charges/Rtn'd Deposits/Other	(\$309.55)	(42.75)			(352.30)		
Payroll Tax/Benefit Deposits	(36,815.37)				(36,815.37)		
Payroll Checks/Direct Deposits	(133,243.43)				(133,243.43)		
General Checks	(462,982.86)				(462,982.86)		
Bank Draft Payments	(73,499.72)				(73,499.72)		
Ending Balance	(\$54,209.48)	\$5,644,863.09	\$2,016,786.07	\$3,034,522.50	\$10,641,962.18	\$0.00	\$840,397.79



PENINSULA Monterey Peninsula Water Management Dist

147 Check Report

By Check Number

Date Range: 02/01/2018 - 02/28/2018

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK	-Bank of America Checking					
00767	AFLAC	02/15/2018	Regular	0.00	-917.78	31128
01188	Alhambra	02/02/2018	Regular	0.00	119.30	31304
12188	Brown and Caldwell	02/02/2018	Regular	0.00	2,417.46	31305
00252	Cal-Am Water	02/02/2018	Regular	0.00	114.20	31306
00252	Cal-Am Water	02/02/2018	Regular	0.00	84.48	31307
00024	Central Coast Exterminator	02/02/2018	Regular	0.00	104.00	31308
00230	Cisco WebEx, LLC	02/02/2018	Regular	0.00	49.00	31309
06268	Comcast	02/02/2018	Regular	0.00	247.57	31310
00046	De Lay & Laredo	02/02/2018	Regular	0.00	28,137.16	31311
00761	Delores Cofer	02/02/2018	Regular	0.00	356.00	31312
08990	Fort Ord Reuse Authority	02/02/2018	Regular	0.00	1,535.01	31313
15398	GovInvest	02/02/2018	Regular	0.00	2,500.00	31314
12655	Graphicsmiths	02/02/2018	Regular	0.00	127.60	31315
00083	Hayashi & Wayland Accountancy Corp.	02/02/2018	Regular	0.00	19,000.00	31316
00277	Home Depot Credit Services	02/02/2018	Regular	0.00	31.93	31317
00768	ICMA	02/02/2018	Regular	0.00	5,735.09	31318
04717	Inder Osahan	02/02/2018	Regular	0.00	1,183.47	31319
05371	June Silva	02/02/2018	Regular	0.00	396.12	31320
15601	LSA Associates, Inc.	02/02/2018	Regular	0.00	2,805.00	31321
13431	Lynx Technologies, Inc	02/02/2018	Regular	0.00	450.00	
00242	MBAS	02/02/2018	Regular	0.00	1,200.00	
13396	Navia Benefit Solutions, Inc.	02/02/2018	Regular	0.00	852.51	
04032	Normandeau Associates, Inc.	02/02/2018	Regular	0.00	9,155.25	
00755	Peninsula Welding Supply, Inc.	02/02/2018	Regular	0.00		31326
00262	Pure H2O	02/02/2018	Regular	0.00		31327
09989	Star Sanitation Services	02/02/2018	Regular	0.00		31328
09425	The Ferguson Group LLC	02/02/2018	Regular	0.00	418.36	
00221	Verizon Wireless	02/02/2018	Regular	0.00	623.14	
00763	ACWA-JPIA	02/12/2018	Regular	0.00	420.40	
00767	AFLAC	02/12/2018	Regular	0.00	1,275.04	
00253	AT&T	02/12/2018	Regular	0.00	1,606.66	
00022	Bioassessment Services	02/12/2018	Regular	0.00	3,430.00	
11822	CSC	02/12/2018	Regular	0.00	8,000.00	
01352	Dave Stoldt	02/12/2018	Regular	0.00	365.78	
08109	David Olson, Inc.	02/12/2018	Regular	0.00	136.00	
00041	Denise Duffy & Assoc. Inc.	02/12/2018	Regular	0.00	1,515.10	
00225	Escalon Services c/o Palace Business Solutions	02/12/2018	Regular	0.00	154.59	
00758	FedEx	02/12/2018	Regular	0.00		31340
00094	John Arriaga	02/12/2018	Regular	0.00	2,500.00	
06745	KBA Docusys - Lease Payments	02/12/2018	Regular	0.00	947.22	
00259	Marina Coast Water District	02/12/2018	Regular	0.00	187.20	
00259	Marina Coast Water District	02/12/2018	Regular	0.00		31344
00275	Monterey County Herald	02/12/2018	Regular	0.00	427.91	
00274	Monterey One Water	02/12/2018	Regular	0.00	152.71	
13396	Navia Benefit Solutions, Inc.	02/12/2018	Regular	0.00	776.00	
05053	Pacific Smog	02/12/2018	Regular	0.00		31348
00154	Peninsula Messenger Service	02/12/2018	Regular	0.00	467.00	
00755	Peninsula Welding Supply, Inc.	02/12/2018	Regular	0.00		31350
00282	PG&E	02/12/2018	Regular	0.00		31351
00282	PG&E	02/12/2018	Regular	0.00		31352
00159	Pueblo Water Resources, Inc.	02/12/2018	Regular	0.00	8,034.75	
07627	Purchase Power	02/12/2018	Regular	0.00	500.00	
11671	Robert Scafani & Rosemarie Scafani	02/12/2018	Regular	0.00	416.56	
01020	Sara Reyes - Petty Cash Custodian	02/12/2018	Regular	0.00	233.62	21320

148 Date Range: 02/01/2018 - 02/28/2018

Спеск керогс				L	ate Range: 02/01/20	18 - 02/28/20.
Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
05831	Seaside Chamber of Commerce	02/12/2018	Regular	0.00	250.00	
04709	Sherron Forsgren	02/12/2018	Regular	0.00	715.47	
00203	ThyssenKrup Elevator	02/12/2018	Regular	0.00	603.47	
00269	U.S. Bank	02/12/2018	Regular	0.00	7,530.58	
	Void	02/12/2018	Regular	0.00		31361
04340	Valley Trophies & Detectors	02/12/2018	Regular	0.00	155.14	
00249	A.G. Davi, LTD	02/16/2018	Regular	0.00	395.00	
15399	Accela Inc.	02/16/2018	Regular	0.00	29,403.87	
00767	AFLAC	02/16/2018	Regular	0.00	917.78	
00760	Andy Bell	02/16/2018	Regular	0.00	699.00	
00036	Bill Parham	02/16/2018	Regular	0.00	650.00	
00252 00243	Cal-Am Water CalPers Long Term Care Program	02/16/2018 02/16/2018	Regular	0.00 0.00	214.08	31410
06003	Carmel Valley Chamber of Commerce	02/16/2018	Regular Regular	0.00	210.00	
06268	Comcast	02/16/2018	Regular	0.00	247.57	
04041	Cynthia Schmidlin	02/16/2018	Regular	0.00	645.67	
00192	Extra Space Storage	02/16/2018	Regular	0.00	793.00	
00285	Gabby Ayala	02/16/2018	Regular	0.00		31422
08929	HDR Engineering, Inc.	02/16/2018	Regular	0.00	18,564.40	
00986	Henrietta Stern	02/16/2018	Regular	0.00	1,183.47	
00768	ICMA	02/16/2018	Regular	0.00	5,735.09	
03857	Joe Oliver	02/16/2018	Regular	0.00	1,183.47	
13431	Lynx Technologies, Inc	02/16/2018	Regular	0.00	375.00	
00222	M.J. Murphy	02/16/2018	Regular	0.00	190.05	
00259	Marina Coast Water District	02/16/2018	Regular	0.00		31429
00223	Martins Irrigation Supply	02/16/2018	Regular	0.00		31430
07771	Monterey Bay Urgent Care	02/16/2018	Regular	0.00	60.00	31431
08700	Monterey Regional Waste Management District	02/16/2018	Regular	0.00	31.00	31432
13396	Navia Benefit Solutions, Inc.	02/16/2018	Regular	0.00	852.51	31433
04032	Normandeau Associates, Inc.	02/16/2018	Regular	0.00	715.00	31434
15419	Pacific States Marine Fisheries Commission	02/16/2018	Regular	0.00	250.00	31435
00282	PG&E	02/16/2018	Regular	0.00	16.78	31436
00282	PG&E	02/16/2018	Regular	0.00	21.45	31437
13430	Premier Global Services	02/16/2018	Regular	0.00	17.00	31438
00752	Professional Liability Insurance Service	02/16/2018	Regular	0.00	40.06	31439
00228	Ryan Ranch Printers	02/16/2018	Regular	0.00	1,744.19	31440
00176	Sentry Alarm Systems	02/16/2018	Regular	0.00	125.50	
00283	SHELL	02/16/2018	Regular	0.00	622.09	
03973	Stephanie Kister	02/16/2018	Regular	0.00	323.08	
04719	Telit lo T Platforms, LLC	02/16/2018	Regular	0.00	191.59	
00269	U.S. Bank	02/16/2018	Regular	0.00	6,324.58	
00074	**Void**	02/16/2018	Regular	0.00		31446
00271	UPEC, Local 792	02/16/2018	Regular	0.00	1,153.17	
01015	American Lock & Key	02/23/2018	Regular	0.00		31578
00253	AT&T Balance Hudrologics, Inc.	02/23/2018	Regular	0.00	192.59	
00232 01001	Balance Hydrologics, Inc CDW Government	02/23/2018 02/23/2018	Regular Regular	0.00 0.00	1,484.68 1,909.00	
00237	Chevron	02/23/2018	Regular	0.00	329.00	
00281	CoreLogic Information Solutions, Inc.	02/23/2018	Regular	0.00	1,134.40	
11822	CSC	02/23/2018	Regular	0.00	10,000.00	
00046	De Lay & Laredo	02/23/2018	Regular	0.00	30,597.27	
00761	Delores Cofer	02/23/2018	Regular	0.00	356.00	
00277	Home Depot Credit Services	02/23/2018	Regular	0.00	140.20	
06745	KBA Docusys - Lease Payments	02/23/2018	Regular	0.00	947.22	
00222	M.J. Murphy	02/23/2018	Regular	0.00	1,621.46	
00223	Martins Irrigation Supply	02/23/2018	Regular	0.00	314.82	
00242	MBAS	02/23/2018	Regular	0.00	1,100.00	
07418	McMaster-Carr	02/23/2018	Regular	0.00	153.36	
04032	Normandeau Associates, Inc.	02/23/2018	Regular	0.00	263.25	
00282	PG&E	02/23/2018	Regular	0.00	8,129.05	
00282	PG&E	02/23/2018	Regular	0.00	6,100.93	31595

Check Report

149 Date Range: 02/01/2018 - 02/28/2018

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
00282	PG&E	02/23/2018	Regular	0.00	648.55	31596
00159	Pueblo Water Resources, Inc.	02/23/2018	Regular	0.00	110,769.20	31597
00234	Rapid Printers	02/23/2018	Regular	0.00	570.94	31598
00766	Standard Insurance Company	02/23/2018	Regular	0.00	1,562.41	31599
09989	Star Sanitation Services	02/23/2018	Regular	0.00	106.01	31600
00258	TBC Communications & Media	02/23/2018	Regular	0.00	9,336.50	31601
09351	Tetra Tech, Inc.	02/23/2018	Regular	0.00	10,527.34	31602
09425	The Ferguson Group LLC	02/23/2018	Regular	0.00	8,000.00	31603
10722	Thompson Wildland Management	02/23/2018	Regular	0.00	500.00	31604
08105	Yolanda Munoz	02/23/2018	Regular	0.00	540.00	31605

Bank Code APBNK Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	190	122	0.00	400,360.38
Manual Checks	0	0	0.00	0.00
Voided Checks	0	3	0.00	-917.78
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	190	125	0.00	399,442.60

check hepoin						10 - 02/ 20/ 2
Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
	2-Rebates: Use Only For Rebates					
15856	ANGELO SOARES	02/16/2018	Regular	0.00	500.00	
15834		02/16/2018	Regular	0.00	125.00	
15829		02/16/2018	Regular	0.00	625.00	
15860	CHRISTINE VITALE	02/16/2018	Regular	0.00	200.00	
15841		02/16/2018	Regular	0.00	500.00	
15822		02/16/2018	Regular	0.00	100.00	
15831	DAVID SICKLER	02/16/2018	Regular	0.00	625.00 276.00	
15819	DENNIS JOHNSON	02/16/2018	Regular	0.00 0.00	125.00	
15827	ELIZABETH MURRAY	02/16/2018	Regular		500.00	
15845 15855	ELLEN CRYNS	02/16/2018 02/16/2018	Regular Regular	0.00 0.00	500.00	
15833	GEORGE MATSUMOTO GEORGE THORPE	02/16/2018	Regular	0.00	125.00	
15821	Heidi L Bensley	02/16/2018	Regular	0.00	350.00	
15859	JAMES TYLER	02/16/2018	Regular	0.00	5,350.00	
15857	John Thomas	02/16/2018	Regular	0.00	499.99	
15836	John Thomas Emery	02/16/2018	Regular	0.00	500.00	
15826	JUDITH LIPPMAN	02/16/2018	Regular	0.00	125.00	
15850	JUSTIN BORELLO	02/16/2018	Regular	0.00	500.00	
15848	JUSTIN HAUFFE	02/16/2018	Regular	0.00	500.00	
15818	KATH UYEDA	02/16/2018	Regular	0.00	300.00	
15854	KIMBERLY EDWARDS	02/16/2018	Regular	0.00	500.00	
15837	LADISLAV BARAK	02/16/2018	Regular	0.00	500.00	
15817	LAURENCE TAYLOR	02/16/2018	Regular	0.00	150.00	
15838	Marilyn Torres	02/16/2018	Regular	0.00	500.00	
15847	MICHAEL LOPEZ	02/16/2018	Regular	0.00	499.99	
15843	MICHELE STAWOWY	02/16/2018	Regular	0.00	411.75	
15864	MOHAMED TABIB	02/16/2018	Regular	0.00	500.00	
15820	NOEL MILLS	02/16/2018	Regular	0.00		31390
15852	PAT HORI	02/16/2018	Regular	0.00	499.99	31391
15832	PATRICIA LAVIN	02/16/2018	Regular	0.00	125.00	31392
15863	Patricia P. Basco	02/16/2018	Regular	0.00	477.90	31393
15828	PATRICIA STEWART	02/16/2018	Regular	0.00	125.00	31394
15858	PAUL ZABALA	02/16/2018	Regular	0.00	500.00	31395
15846	RAMONA OLAETA-REED	02/16/2018	Regular	0.00	500.00	31396
15842	RANDY SAAR	02/16/2018	Regular	0.00	500.00	31397
15835	RAY VERNAZZA	02/16/2018	Regular	0.00	500.00	31398
15849	ROXANE BUCK-EZCURRA	02/16/2018	Regular	0.00	500.00	31399
15839	SAUNDRA MEYROSE	02/16/2018	Regular	0.00	449.00	31400
15851	SEUNG-HEE PARK	02/16/2018	Regular	0.00	500.00	31401
15853	SILVIA MUNOZ	02/16/2018	Regular	0.00	500.00	31402
15844	SOPHIA NORRIS	02/16/2018	Regular	0.00	500.00	
15840	STANLEY BANTA	02/16/2018	Regular	0.00	500.00	31404
15830	STEPHANIE CHRIETZBERG	02/16/2018	Regular	0.00	125.00	
15823	STEVE EZZO	02/16/2018	Regular	0.00	150.00	
15825	SUZANNE HERBST	02/16/2018	Regular	0.00	150.00	
15862	SYLVIA M GARCIA	02/16/2018	Regular	0.00	400.00	
15824		02/16/2018	Regular	0.00		31409
15861	TINA DEYERLE	02/16/2018	Regular	0.00	775.00	
16049	ADAM SEPAGAN	02/16/2018	Regular	0.00	500.00	
16048		02/16/2018	Regular	0.00	500.00	
16112	ANGELICA BLATT	02/16/2018	Regular	0.00	500.00	
16021		02/16/2018	Regular	0.00	125.00	
15996	ANN ADAMS	02/16/2018	Regular	0.00	300.00	
16069	ANNE MARTELLARO	02/16/2018	Regular	0.00	500.00	
16031	ANTHONY FINNEGAN	02/16/2018	Regular	0.00	500.00	
16020 16047	ANTHONY LEON ASHLEY CHATMAN	02/16/2018 02/16/2018	Regular	0.00 0.00	125.00 499.99	
16053	BABAK GHAVAMIAN	02/16/2018	Regular Regular	0.00	499.99 500.00	
16107	BABAR GHAVAMIAN BARBARA THOMAS	02/16/2018	Regular	0.00	500.00	
15998	BARBARA THOMAS BETTY WATTS	02/16/2018	Regular	0.00		31458 31459
	22111 00010	02/ 10/ 2010		0.00	75.00	51-35

Check Report				Da	ite Range: 02/01/20	18 - 02/28/20
Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
16116	BEVERLEE TAYLOR	02/16/2018	Regular	0.00	125.00	
16046	BEVERLEY HILL	02/16/2018	Regular	0.00	500.00	
15993	BEVERLY WOODS	02/16/2018	Regular	0.00	100.00	
16043	BISWANATH CHOWDHURY	02/16/2018	Regular	0.00	500.00	
16063	BRIAN GRIFFITH	02/16/2018	Regular	0.00	500.00	
16068	BROOKE BAILEY	02/16/2018	Regular	0.00	500.00	
16072	BRUCE HERRMANN	02/16/2018	Regular	0.00	500.00	
16029	BRUCE R MEHRINGER	02/16/2018	Regular	0.00	125.00	
16013	CARLOS QUINTANA	02/16/2018	Regular	0.00	150.00	
16079	CARMELA NOTO	02/16/2018	Regular	0.00	300.00	
16023		02/16/2018	Regular	0.00	125.00	
15994		02/16/2018	Regular	0.00	100.00	
16085 16055	CHRISTINA DEMARIA	02/16/2018 02/16/2018	Regular	0.00 0.00	225.00 500.00	
16039	Cindy Hamilton COLIN MARK-GRIFFIN	02/16/2018	Regular	0.00	500.00	
16044	CRAIG WHITESIDE	02/16/2018	Regular Regular	0.00	500.00	
16007	CUSTOM HOUSE REALTY	02/16/2018	Regular	0.00	150.00	
16006	CUSTOM HOUSE REALTY	02/16/2018	Regular	0.00	150.00	
16008	CUSTOM HOUSE REALTY	02/16/2018	Regular	0.00	75.00	
16005	Custom House Realty & Property Management	02/16/2018	Regular	0.00	75.00	
16016	Custom House Realty & Property Management	02/16/2018	Regular	0.00	75.00	
16015	Custom House Realty & Property Management	02/16/2018	Regular	0.00	75.00	
16010	DANIEL MCFARLANE	02/16/2018	Regular	0.00	150.00	
16042	Daniela Urbassek	02/16/2018	Regular	0.00	499.99	
16025	DAVID ADRIAN II	02/16/2018	Regular	0.00	125.00	
16114	DAVID J & VALERIE M MORET	02/16/2018	Regular	0.00	500.00	
16084	DEBRA ACHEN	02/16/2018	Regular	0.00	275.00	31486
16113	DIANE MCDONNELL	02/16/2018	Regular	0.00	500.00	31487
16003	DON & DENISE COLEMAN	02/16/2018	Regular	0.00	75.00	31488
16017	DONALD R RIEHL	02/16/2018	Regular	0.00	125.00	31489
16062	Douglas Turner	02/16/2018	Regular	0.00	500.00	31490
16108	EDITH K LEMON	02/16/2018	Regular	0.00	500.00	31491
16074	ELIZABETH A KLEINSORG	02/16/2018	Regular	0.00	180.00	31492
16091	ELIZABETH H LAYS	02/16/2018	Regular	0.00	75.00	31493
16000	ELLA S. NICKLAS	02/16/2018	Regular	0.00	250.00	31494
16056	ELLEN PATTON	02/16/2018	Regular	0.00	500.00	31495
15991	ERIC & SABRINA SOUZA	02/16/2018	Regular	0.00	500.00	
16057	ERIN ELLIOTT	02/16/2018	Regular	0.00	485.10	
16004	ETHEL FRANCES TALLEY	02/16/2018	Regular	0.00	125.00	
16038	FRANCES COOK	02/16/2018	Regular	0.00	500.00	
16066	Fred Flatley	02/16/2018	Regular	0.00	500.00	
16050	GARRETT BOWLUS	02/16/2018	Regular	0.00	500.00	
16051	GERRY WEST	02/16/2018	Regular	0.00	500.00	
16012	GLORIA SENTENEY	02/16/2018	Regular	0.00	75.00	
16071	Henry Travis	02/16/2018 02/16/2018	Regular	0.00	500.00	
16086 16094	Hermina Dallas HONG KIM	02/16/2018	Regular Regular	0.00 0.00	125.00	31505
16058	HONG KIM HOSEIT MAX H ET AL	02/16/2018	Regular	0.00	500.00	
16018	JANE WYNN	02/16/2018	Regular	0.00	125.00	
16117	JANICE DYER	02/16/2018	Regular	0.00	125.00	
15997	JEAN ANN WATTS	02/16/2018	Regular	0.00	150.00	
16052	JEAN BOURNE	02/16/2018	Regular	0.00	500.00	
16028	JEAN HONTALAS	02/16/2018	Regular	0.00	125.00	
16030	JIAZHE SONG	02/16/2018	Regular	0.00	500.00	
16022	JIAZHE SONG	02/16/2018	Regular	0.00	125.00	
16099	JIM & DANIELLE PRICE	02/16/2018	Regular	0.00	433.59	
16011	JLUIE CAMBE PREMIER TRUST INC	02/16/2018	Regular	0.00	125.00	
16095	JOE CAPPUCCIO	02/16/2018	Regular	0.00	125.00	
16101	JOHN HICKEY	02/16/2018	Regular	0.00	500.00	
16070	KAY HUETTMANN	02/16/2018	Regular	0.00	499.99	
16098	KIM MARTIN	02/16/2018	Regular	0.00	500.00	31520

152 Date Range: 02/01/2018 - 02/28/2018

Спеск кероп				D	ate Kange. 02/01/20	10 - 02/20/201
Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
16092	LAURA HELMSING	02/16/2018	Regular	0.00	625.00	31521
16077	LES TUCKER	02/16/2018	Regular	0.00	75.00	31522
16073	LESLIE ANASTASIA	02/16/2018	Regular	0.00	500.00	31523
16054	LINDA W COLLINS	02/16/2018	Regular	0.00	500.00	31524
16001	LISA HANDLEY	02/16/2018	Regular	0.00	75.00	31525
16059	LON ALEXANDER	02/16/2018	Regular	0.00	500.00	31526
16035	LORI POTTER	02/16/2018	Regular	0.00	500.00	31527
16076	LORI WONG	02/16/2018	Regular	0.00	125.00	31528
16064	LYNN CLEMENTS	02/16/2018	Regular	0.00	500.00	31529
16078	MANDANA VARNOOS	02/16/2018	Regular	0.00	300.00	31530
16115	Mangold Property Management	02/16/2018	Regular	0.00	75.00	31531
16087	MARILYN C TAYLOR	02/16/2018	Regular	0.00	150.00	31532
15999	MARTHA HADDAD	02/16/2018	Regular	0.00	150.00	31533
16089	MARTIN MCCARTHY	02/16/2018	Regular	0.00	75.00	31534
16002	MEGAN BASSETT	02/16/2018	Regular	0.00	75.00	31535
16111	Meredyth Templeton	02/16/2018	Regular	0.00	500.00	31536
16082	MICHAEL CAPPETTI	02/16/2018	Regular	0.00	75.00	31537
16040	Michael Forsythe	02/16/2018	Regular	0.00	500.00	31538
16024	MICHAEL RUSSO	02/16/2018	Regular	0.00	125.00	31539
16100	MOLLY LEWIS	02/16/2018	Regular	0.00	500.00	31540
16067	MONTEREY BAY VACATION RENTALS	02/16/2018	Regular	0.00	500.00	31541
16032	Monterey Rentals	02/16/2018	Regular	0.00	500.00	31542
16061	NALINI ELKINS	02/16/2018	Regular	0.00	500.00	31543
16041	Nina Kelly	02/16/2018	Regular	0.00	500.00	31544
16083	OTA KLIER	02/16/2018	Regular	0.00	75.00	31545
15995	Pablo Carbajal	02/16/2018	Regular	0.00	149.00	31546
16009	PAOLA BERTHOIN	02/16/2018	Regular	0.00	125.00	31547
16075	PATRICIA TOPRAKHISAR	02/16/2018	Regular	0.00	200.00	31548
16065	PATRICIA VICTORINO	02/16/2018	Regular	0.00	500.00	31549
16033	PATTY MACDONALD	02/16/2018	Regular	0.00	500.00	31550
16090	PETER CHU	02/16/2018	Regular	0.00	75.00	31551
16014	RICHARD HEIMANN	02/16/2018	Regular	0.00	150.00	31552
16105	RICHARD STERES	02/16/2018	Regular	0.00	500.00	31553
16045	ROB SWANSON	02/16/2018	Regular	0.00	500.00	31554
16037	Ronald Pfleger	02/16/2018	Regular	0.00	500.00	31555
16110	ROSARIO DOMINGO	02/16/2018	Regular	0.00	500.00	31556
16060	RYAN & D'ANNE PETERSON	02/16/2018	Regular	0.00	500.00	31557
16109	Scott & Renee Campbell	02/16/2018	Regular	0.00	500.00	31558
16097	SHARI RASMUSSEN	02/16/2018	Regular	0.00	500.00	31559
16027	STEFANIE NAUMANN	02/16/2018	Regular	0.00	125.00	31560
16034	STEPHEN & BETSY PEARSON	02/16/2018	Regular	0.00	499.99	31561
16036	STEVE CATALANO	02/16/2018	Regular	0.00	479.99	
16096	Steven Wright	02/16/2018	Regular	0.00	125.00	31563
16081	SUMMER HENNESSY	02/16/2018	Regular	0.00	75.00	31564
16102	TaNeidra Nixon	02/16/2018	Regular	0.00	499.00	31565
16088	THERESE SUZUKI	02/16/2018	Regular	0.00	225.00	31566
16093	THOMAS NELSON	02/16/2018	Regular	0.00	125.00	31567
16104	Timothy Saar	02/16/2018	Regular	0.00	500.00	31568
16103	Tish Sammon	02/16/2018	Regular	0.00	499.00	31569
16080	TODD OKA	02/16/2018	Regular	0.00	75.00	31570
16106	TSUNEO LARRY ODA	02/16/2018	Regular	0.00	500.00	31571
15992	Willard McCrone	02/16/2018	Regular	0.00	100.00	31572
16019	WILLARD McCRONE	02/16/2018	Regular	0.00	125.00	31573

Check Report Date Range: 02/01/2018 - 02/24 Vendor Number Vendor Name Payment Date Payment Type Discount Amount Payment Amount Number 16026 YUN JOO KIM 02/16/2018 Regular 0.00 125.00 31574

Bank Code REBATES-02 Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	175	175	0.00	63,540.26
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	175	175	0.00	63,540.26

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	365	297	0.00	463,900.64
Manual Checks	0	0	0.00	0.00
Voided Checks	0	3	0.00	-917.78
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	365	300	0.00	462,982.86

Fund Summary

Fund	Name	Period	Amount
99	POOL CASH FUND	2/2018	462,982.86
			462,982.86

Payroll Bank Transaction Report -1MPWMD



PENINSULA Monterey Peninsula Water Management Dist

By Payment Number

Date: 2/1/2018 - 2/28/2018

Payroll Set: 01 - Monterey Peninsula Water Management District

Payment			Employee			Direct Deposit	
Number	Payment Date	Payment Type	Number	Employee Name	Check Amount	Amount	Total Payment
3523	02/02/2018	Regular	1024	Stoldt, David J	0.00	5,636.75	5,636.75
3524	02/02/2018	Regular	1025	Tavani, Arlene M	0.00	2,088.25	2,088.25
3525	02/02/2018	Regular	1044	Bennett, Corryn D	0.00	1,567.09	1,567.09
3526	02/02/2018	Regular	1006	Dudley, Mark A	0.00	2,846.73	2,846.73
3527	02/02/2018	Regular	1039	Flores, Elizabeth	0.00	2,105.57	2,105.57
3528	02/02/2018	Regular	1018	Prasad, Suresh	0.00	4,081.22	4,081.22
3529	02/02/2018	Regular	1019	Reyes, Sara C	0.00	1,815.26	1,815.26
3530	02/02/2018	Regular	1002	Bekker, Mark	0.00	1,896.67	1,896.67
3531	02/02/2018	Regular	1005	Christensen, Thomas T	0.00	3,188.61	3,188.61
3532	02/02/2018	Regular	1042	Hamilton, Maureen C.	0.00	2,990.23	2,990.23
3533	02/02/2018	Regular	1008	Hampson, Larry M	0.00	3,081.65	3,081.65
3534	02/02/2018	Regular	1009	James, Gregory W	0.00	3,289.49	3,289.49
3535	02/02/2018	Regular	1011	Lear, Jonathan P	0.00	3,723.11	3,723.11
3536	02/02/2018	Regular	1012	Lindberg, Thomas L	0.00	2,362.99	2,362.99
3537	02/02/2018	Regular	1023	Stern, Henrietta L	0.00	684.92	684.92
3538	02/02/2018	Regular	6028	Atkins, Daniel N	0.00	781.86	781.86
3539	02/02/2018	Regular	6035	Besson, Jordan C.	0.00	439.47	439.47
3540	02/02/2018	Regular	1004	Chaney, Beverly M	0.00	2,492.37	2,492.37
3541	02/02/2018	Regular	1007	Hamilton, Cory R	0.00	2,231.71	2,231.71
3542	02/02/2018	Regular	1043	Suwada, Joseph	0.00	1,709.55	1,709.55
3543	02/02/2018	Regular	1026	Urquhart, Kevan A	0.00	2,217.46	2,217.46
3544	02/02/2018	Regular	1001	Ayala, Gabriela D	0.00	2,323.34	2,323.34
3545	02/02/2018	Regular	1041	Gonnerman, Maryan C	0.00	1,971.49	1,971.49
3546	02/02/2018	Regular	1010	Kister, Stephanie L	0.00	2,545.56	2,545.56
3547	02/02/2018	Regular	1017	Locke, Stephanie L	0.00	3,469.63	3,469.63
3548	02/02/2018	Regular	1014	Martin, Debra S	0.00	2,542.77	2,542.77
3549	02/02/2018	Regular	1040	Smith, Kyle	0.00	1,939.83	1,939.83
3550	02/16/2018	Regular	1024	Stoldt, David J	0.00	5,636.77	5,636.77
3551	02/16/2018	Regular	1025	Tavani, Arlene M	0.00	2,088.29	2,088.29
3552 3553	02/16/2018 02/16/2018	Regular	1044 1006	Bennett, Corryn D	0.00 0.00	1,567.13	1,567.13 2,846.75
3554		Regular	1008	Dudley, Mark A		2,846.75	2,846.73
3555	02/16/2018 02/16/2018	Regular	1039	Flores, Elizabeth Prasad, Suresh	0.00 0.00	2,105.61	4,081.26
3556	02/16/2018	Regular Regular	1018	Reyes, Sara C	0.00	4,081.26 1,815.30	1,815.30
3557	02/16/2018	Regular	1019	Bekker, Mark	0.00	1,815.30	1,815.50
3558	02/16/2018	Regular	1002	Christensen, Thomas T	0.00	3,188.65	3,188.65
3559	02/16/2018	Regular	1005	Hamilton, Maureen C.	0.00	2,990.27	2,990.27
3560	02/16/2018	Regular	1008	Hampson, Larry M	0.00	3,081.69	3,081.69
3561	02/16/2018	Regular	1009	James, Gregory W	0.00	3,289.54	3,289.54
3562	02/16/2018	Regular	1011	Lear, Jonathan P	0.00	3,723.15	3,723.15
3563	02/16/2018	Regular	1012	Lindberg, Thomas L	0.00	2,634.25	2,634.25
3564	02/16/2018	Regular	1023	Stern, Henrietta L	0.00	608.81	608.81
3565	02/16/2018	Regular	6035	Besson, Jordan C.	0.00	535.80	535.80
3566	02/16/2018	Regular	1004	Chaney, Beverly M	0.00	2,492.41	2,492.41
3567	02/16/2018	Regular	1007	Hamilton, Cory R	0.00	2,231.74	2,231.74
3568	02/16/2018	Regular	1043	Suwada, Joseph	0.00	1,709.57	1,709.57
3569	02/16/2018	Regular	1026	Urquhart, Kevan A	0.00	2,217.49	2,217.49
3570	02/16/2018	Regular	1001	Ayala, Gabriela D	0.00	2,323.37	2,323.37
3571	02/16/2018	Regular	1041	Gonnerman, Maryan C	0.00	1,971.53	1,971.53
3572	02/16/2018	Regular	1010	Kister, Stephanie L	0.00	2,545.58	2,545.58
3573	02/16/2018	Regular	1017	Locke, Stephanie L	0.00	3,469.67	3,469.67
3574	02/16/2018	Regular	1014	Martin, Debra S	0.00	2,542.82	2,542.82
3575	02/16/2018	Regular	1040	Smith, Kyle	0.00	1,939.88	1,939.88
3576	02/23/2018	Regular	7015	Adams, Mary L	0.00	124.67	124.67
3577	02/23/2018	Regular	7013	Clarke, Andrew	0.00	439.11	439.11
3578	02/23/2018	Regular	7014	Evans, Molly F	0.00	249.34	249.34
3579	02/23/2018	Regular	7003	Lewis, Brenda	0.00	124.67	124.67

Payment	EXHIBIT 1	<u>2-C</u>	Employee			C	Direct Deposit	6 Total Payment
Number	Payment Date	Payment Type	Number	Employee Name	C	Check Amount	Amount ¹⁰	^O Total Payment
31575	02/23/2018	Regular	7006	Brower, Sr., Robert S		249.34	0.00	249.34
31576	02/23/2018	Regular	7007	Byrne, Jeannie		374.02	0.00	374.02
31577	02/23/2018	Regular	7016	Rubio, Ralph S		124.67	0.00	124.67
					Totals:	748.03	132,495.40	133,243.43



Monterey Peninsula Water Management Dist

157 Bank Transaction Report

Transaction Detail

Issued Date Range: 02/01/2018 - 02/28/2018

Cleared Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Туре	Amount
Accounts Payab	le						
02/02/2018	02/28/2018	DFT0001074	I.R.S.	Accounts Payable	Cleared	Bank Draft	-10,923.98
02/02/2018	02/28/2018	DFT0001075	I.R.S.	Accounts Payable	Cleared	Bank Draft	-2,664.70
02/02/2018	02/28/2018	DFT0001076	Employment Development Dept.	Accounts Payable	Cleared	Bank Draft	-4,417.54
02/02/2018	02/28/2018	DFT0001077	I.R.S.	Accounts Payable	Cleared	Bank Draft	-303.04
02/15/2018	02/28/2018	DFT0001100	Laborers Trust Fund of Northern CA	Accounts Payable	Cleared	Bank Draft	-28,550.00
02/16/2018	02/28/2018	DFT0001080	I.R.S.	Accounts Payable	Cleared	Bank Draft	-10,889.06
02/16/2018	02/28/2018	DFT0001081	I.R.S.	Accounts Payable	Cleared	Bank Draft	-2,637.92
02/16/2018	02/28/2018	DFT0001082	Employment Development Dept.	Accounts Payable	Cleared	Bank Draft	-4,441.87
02/16/2018	02/28/2018	DFT0001083	I.R.S.	Accounts Payable	Cleared	Bank Draft	-188.48
02/23/2018	02/28/2018	DFT0001085	I.R.S.	Accounts Payable	Cleared	Bank Draft	-59.58
02/23/2018	02/28/2018	DFT0001086	I.R.S.	Accounts Payable	Cleared	Bank Draft	-54.84
02/23/2018	02/28/2018	DFT0001087	I.R.S.	Accounts Payable	Cleared	Bank Draft	-234.36
02/27/2018	02/28/2018	DFT0001101	PERS Retirement	Accounts Payable	Cleared	Bank Draft	-394.05
02/27/2018	02/28/2018	DFT0001107	PERS Retirement	Accounts Payable	Cleared	Bank Draft	-14,960.76
02/28/2018	02/28/2018	DFT0001108	PERS Retirement	Accounts Payable	Cleared	Bank Draft	-14,949.75
02/28/2018	02/28/2018	DFT0001111	PERS Retirement	Accounts Payable	Cleared	Bank Draft	-14,645.16
						Accounts Payable Total: (16)	-110,315.09
General Ledger							
02/15/2018	02/28/2018	SVC0000142	To Post Bank Service	General Ledger	Cleared	Service Charge	-309.55
						General Ledger Total: (1)	-309.55
						Report Total: (17)	-110,624.64

Summary

Bank Account 111 Bank of America Checking - 0000 8170 821	10	Count 17	Amount -110,624.64
	Report Total:	17	-110,624.64
Cash Account		Count	Amount
99 99-10-100100 Pool Cash Account		17	-110,624.64
	Report Total:	Count <u>17</u> Report Total: 17 ction Type Count	-110,624.64
	Transaction Type	Count	Amount
	Bank Draft	16	-110,315.09
	Service Charge	1	-309.55
	Report Total:	17	-110,624.64



PENINSULA Monterey Peninsula Water Management Dist

159 Statement of Revenue Over Expense - No Decimals

Group Summary

		February	February	Variance Favorable	Percent	YTD		Variance Favorable	Percent
Level		Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
Revenue									
R100 - Water Supply Charge		0	283,220	-283,220	0.00 %	2,059,657	3,400,000	-1,340,343	60.58 %
R120 - Property Taxes Revenues		0	145,775	-145,775	0.00 %	1,057,937	1,750,000	-692,063	60.45 %
R130 - User Fees		442,664	285,303	157,361	155.16 %	2,856,300	3,425,000	-568,700	83.40 %
R140 - Connection Charges		55,622	20,825	34,797	267.09 %	381,155	250,000	131,155	152.46 %
R150 - Permit Processing Fee		20,776	14,578	6,199	142.52 %	162,758	175,000	-12,242	93.00 %
R160 - Well Registration Fee		100	0	100	0.00 %	2,175	0	2,175	0.00 %
R180 - River Work Permit Applicatiction		0	0	0	0.00 %	25	0	25	0.00 %
R190 - WDS Permits Rule 21		2,400	4,665	-2,265	51.45 %	14,610	56,000	-41,390	26.09 %
R200 - Recording Fees		2,984	800	2,184	373.15 %	11,100	9,600	1,500	115.63 %
R210 - Legal Fees		600	1,333	-733	45.02 %	3,078	16,000	-12,922	19.24 %
R220 - Copy Fee		5	0	5	0.00 %	83	0	83	0.00 %
R230 - Miscellaneous - Other		204	1,666	-1,462	12.24 %	16,899	20,000	-3,101	84.49 %
R250 - Interest Income		999	1,666	-667	59.93 %	15,078	20,000	-4,922	75.39 %
R260 - CAW - ASR		0	52,929	-52,929	0.00 %	0	635,400	-635,400	0.00 %
R265 - CAW - Los Padres Reimbursement		0	43,733	-43,733	0.00 %	0	525,000	-525,000	0.00 %
R270 - CAW - Rebates		23,315	41,650	-18,335	55.98 %	281,445	500,000	-218,555	56.29 %
R290 - CAW - Miscellaneous		0	2,582	-2,582	0.00 %	0	31,000	-31,000	0.00 %
R300 - Watermaster		0	6,214	-6,214	0.00 %	32,691	74,600	-41,910	43.82 %
R308 - Reclamation Project		0	1,666	-1,666	0.00 %	0	20,000	-20,000	0.00 %
R309 - GWR Project Reimbursements		4,112,541	0	4,112,541	0.00 %	4,112,541	0	4,112,541	0.00 %
R310 - Other Reimbursements		0	2,441	-2,441	0.00 %	0	29,300	-29,300	0.00 %
R320 - Grants		20,000	104,125	-84,125	19.21 %	38,043	1,250,000	-1,211,957	3.04 %
R510 - Operating Reserve		0	71,130	-71,130	0.00 %	0	853,900	-853,900	0.00 %
	Total Revenue:	4,682,209	1,086,299	3,595,910	431.02 %	11,045,575	13,040,800	-1,995,225	84.70 %

Statement of Revenue Over Expense - No Decimals

	February	February	Variance Favorable (Unfavorable)	Percent	YTD Activity	Total Dudget	Variance Favorable (Unfavorable)	Percent Used
Level	Activity	Budget	(Unravorable)	Used	Activity	Total Budget	(Unravorable)	Used
Expense								
Level1: 100 - Personnel Costs	100 225	200 417	18.002	01 22 0/	1 5 45 001	2 502 000	050 000	
1100 - Salaries & Wages	190,325	208,417	18,092	91.32 %	1,545,001	2,502,000	956,999	61.75 %
1110 - Manager's Auto Allowance	462 677	500 700	38 23	92.34 %	2,308	6,000	3,692	38.46 %
1120 - Manager's Deferred Comp	0	250	23	96.74 % 0.00 %	3,385 0	8,400	5,015 3,000	40.29 % 0.00 %
1130 - Unemployment Compensation	3,032	3,915	883	0.00 % 77.45 %	33,726	3,000	13,274	0.00 % 71.76 %
1150 - Temporary Personnel 1160 - PERS Retirement	18,573	-	18,871	49.60 %	391,720	47,000	57,780	71.76 % 87.15 %
1100 - PERS Retirement 1170 - Medical Insurance	26,145	37,443	18,871	49.60 % 94.97 %		449,500 330,500	-	87.15 % 64.64 %
	7,790	27,531 6,747	-1,042	94.97 % 115.45 %	213,644 62,082	81,000	116,856 18,918	76.64 %
1180 - Medical Insurance - Retirees	3,618	6,747 4,240	-1,042 622	85.34 %	32,688	81,000 50,900	18,918	76.64 % 64.22 %
1190 - Workers Compensation 1200 - Life Insurance	349	4,240	101	85.54 % 77.48 %			2,793	48.22 %
			79	93.45 %	2,608 9,083	5,400	5,317	48.29 % 63.08 %
1210 - Long Term Disability Insurance	1,121 223	1,200 275				14,400	,	
1220 - Short Term Disability Insurance			52	80.95 %	1,803	3,300	1,497	54.63 %
1230 - Other Benefits	80	100	20	80.03 %	1,026	1,200	174	85.50 %
1260 - Employee Assistance Program	56	125	69	45.14 %	461	1,500	1,039	30.71 %
1270 - FICA Tax Expense	430	566	137	75.90 %	4,077	6,800	2,723	59.96 %
1280 - Medicare Tax Expense	2,694	3,107	413	86.72 %	23,465	37,300	13,835	62.91 %
1290 - Staff Development & Training	215	3,074	2,859	6.99 %	7,448	36,900	29,452	20.18 %
1300 - Conference Registration	0	283	283	0.00 %	2,636	3,400	764	77.54 %
1310 - Professional Dues	69	258	189	26.72 %	1,375	3,100	1,725	44.35 %
1320 - Personnel Recruitment	0	167	167	0.00 %	242	2,000	1,758	12.10 %
Total Level1: 100 - Personnel Costs:	255,858	299,347	43,489	85.47 %	2,338,775	3,593,600	1,254,825	65.08 %
Level1: 200 - Supplies and Services								
2000 - Board Member Compensation	2,970	3,782	812	78.53 %	17,415	45,400	27,985	38.36 %
2020 - Board Expenses	0	666	666	0.00 %	4,808	8,000	3,192	60.10 %
2040 - Rent	1,838	1,933	95	95.11 %	14,981	23,200	8,219	64.57 %
2060 - Utilities	1,968	3,232	1,264	60.88 %	21,081	38,800	17,719	54.33 %
2120 - Insurance Expense	0	3,749	3,749	0.00 %	2,823	45,000	42,177	6.27 %
2130 - Membership Dues	665	2,882	2,217	23.07 %	27,289	34,600	7,311	78.87 %
2140 - Bank Charges	352	333	-18	105.52 %	3,141	4,000	859	78.52 %
2150 - Office Supplies	920	1,716	796	53.63 %	9,699	20,600	10,901	47.08 %
2160 - Courier Expense	352	675	323	52.17 %	3,641	8,100	4,459	44.95 %
2170 - Printing/Photocopy	0	783	783	0.00 %	490	9,400	8,910	5.21 %
2180 - Postage & Shipping	727	533	-194	136.42 %	3,945	6,400	2,455	61.64 %
2190 - IT Supplies/Services	10,157	8,330	-1,827	121.94 %	100,554	100,000	-554	100.55 %
2200 - Professional Fees	27,283	29,280	1,997	93.18 %	216,252	351,500	135,248	61.52 %
2220 - Equipment Repairs & Maintenance	0	625	625	0.00 %	2,928	7,500	4,572	39.03 %
2235 - Equipment Lease	947	1,166	219	81.22 %	8,533	14,000	5,467	60.95 %
2240 - Telephone	4,958	3,798	-1,159	130.52 %	29,251	45,600	16,349	64.15 %
2260 - Facility Maintenance	5,240	3,565	-1,675	146.98 %	23,375	42,800	19,425	54.61 %
2270 - Travel Expenses	1,244	2,882	1,639	43.15 %	11,301	34,600	23,299	32.66 %

Statement of Revenue Over Expense - No Decimals

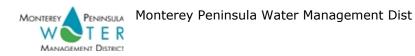
	February	February	Variance Favorable	Percent	YTD		Variance Favorable	Percent
Level	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
2280 - Transportation	4,624	2,216	-2,408	208.69 %	22,174	26,600	4,426	83.36 %
2300 - Legal Services	38,130	33,320	-4,810	114.43 %	197,057	400,000	202,943	49.26 %
2380 - Meeting Expenses	77	533	457	14.35 %	1,486	6,400	4,914	23.22 %
2420 - Legal Notices	0	308	308	0.00 %	0	3,700	3,700	0.00 %
2460 - Public Outreach	355	3,807	3,452	9.32 %	1,946	45,700	43,754	4.26 %
2480 - Miscellaneous	0	250	250	0.00 %	398	3,000	2,602	13.26 %
2500 - Tax Administration Fee	0	1,666	1,666	0.00 %	0	20,000	20,000	0.00 %
2900 - Operating Supplies	1,415	1,599	184	88.47 %	9,009	19,200	10,191	46.92 %
Total Level1: 200 - Supplies and Services:	104,221	113,630	9,409	91.72 %	733,576	1,364,100	630,524	53.78 %
Level1: 300 - Other Expenses								
3000 - Project Expenses	237,803	536,968	299,165	44.29 %	1,813,325	6,446,200	4,632,875	28.13 %
4000 - Fixed Asset Purchases	113,987	72,254	-41,733	157.76 %	122,470	867,400	744,930	14.12 %
5000 - Debt Service	0	19,159	19,159	0.00 %	67,019	230,000	162,981	29.14 %
5500 - Election Expenses	0	0	0	0.00 %	6,863	0	-6,863	0.00 %
6000 - Contingencies	0	6,248	6,248	0.00 %	0	75,000	75,000	0.00 %
6500 - Reserves	0	38,693	38,693	0.00 %	0	464,500	464,500	0.00 %
Total Level1: 300 - Other Expenses:	351,791	673,322	321,532	52.25 %	2,009,676	8,083,100	6,073,424	24.86 %
Total Expense:	711,869	1,086,299	374,430	65.53 %	5,082,027	13,040,800	7,958,773	38.97 %
Report Total:	3,970,340	0	3,970,340		5,963,548	0	5,963,548	

162 For Fiscal: 2017-2018 Period Ending: 02/28/2018

EXHIBIT 12-E Statement of Revenue Over Expense - No Decimals

Fund Summary

			Variance				Variance	
	February	February	Favorable	Percent	YTD		Favorable	Percent
Fund	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
24 - MITIGATION FUND	82,100	0	82,100		556,786	0	556,786	
26 - CONSERVATION FUND	-68,394	0	-68,394		578,685	0	578,685	
35 - WATER SUPPLY FUND	3,956,634	0	3,956,634		4,828,077	0	4,828,077	
Report Total:	3,970,340	0.02	3,970,340		5,963,548	0	5,963,548	



163 Statement of Revenue Over Expense - No Decimals

Group Summary

Level Fund: 24 - MITIGATION FUND		February Activity	February Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
Revenue									
R120 - Property Taxes Revenues		0	54,645	-54,645	0.00 %	396,575	656,000	-259,425	60.45 %
R130 - User Fees		255,817	192,215	63,602	133.09 %	1,647,221	2,307,500	-660,279	71.39 %
R160 - Well Registration Fee		100	0	100	0.00 %	2,175	0	2,175	0.00 %
R180 - River Work Permit Applicatiction		0	0	0	0.00 %	25	0	25	0.00 %
R190 - WDS Permits Rule 21		2,400	4,665	-2,265	51.45 %	14,610	56,000	-41,390	26.09 %
R230 - Miscellaneous - Other		0	833	-833	0.00 %	15,000	10,000	5,000	150.00 %
R250 - Interest Income		341	208	133	163.67 %	3,478	2,500	978	139.11 %
R290 - CAW - Miscellaneous		0	633	-633	0.00 %	0	7,600	-7,600	0.00 %
R310 - Other Reimbursements		0	2,357	-2,357	0.00 %	0	28,300	-28,300	0.00 %
R320 - Grants		0	79,135	-79,135	0.00 %	18,043	950,000	-931,957	1.90 %
R510 - Operating Reserve		0	8,538	-8,538	0.00 %	0	102,500	-102,500	0.00 %
	Total Revenue:	258,658	343,229	-84,572	-75.36 %	2,097,127	4,120,400	-2,023,273	50.90 %

Statement of Revenue Over Expense - No Decimals

	February	February	Variance Favorable	Percent	YTD	Tatal Dudaat	Variance Favorable	Percent
Level	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
Expense								
Level1: 100 - Personnel Costs	72 526	02.024	0 500	00 44 %	622.240	004 000	264 504	c2 20 %
1100 - Salaries & Wages	72,526	82,034	9,508	88.41 %	623,219	984,800	361,581	63.28 %
1110 - Manager's Auto Allowance	92	100	8	92.34 %	462	1,200	739	38.46 %
1120 - Manager's Deferred Comp	135	142	6	95.60 %	677	1,700	1,023	39.82 %
1130 - Unemployment Compensation	0	100	100	0.00 %	0	1,200	1,200	0.00 %
1150 - Temporary Personnel	0	67	67	0.00 %	2,970	800	-2,170	371.20 %
1160 - PERS Retirement	7,209	15,627	8,418	46.13 %	163,876	187,600	23,724	87.35 %
1170 - Medical Insurance	9,985	11,204	1,219	89.12 %	86,600	134,500	47,900	64.39 %
1180 - Medical Insurance - Retirees	3,116	2,699	-417	115.45 %	24,925	32,400	7,475	76.93 %
1190 - Workers Compensation	2,095	2,499	404	83.83 %	20,209	30,000	9,791	67.36 %
1200 - Life Insurance	140	200	60	70.13 %	1,170	2,400	1,230	48.74 %
1210 - Long Term Disability Insurance	433	483	50	89.56 %	3,697	5,800	2,103	63.73 %
1220 - Short Term Disability Insurance	86	108	22	79.33 %	734	1,300	566	56.46 %
1230 - Other Benefits	32	42	10	76.83 %	410	500	90	82.08 %
1260 - Employee Assistance Program	22	50	28	43.32 %	187	600	413	31.24 %
1270 - FICA Tax Expense	290	242	-48	119.90 %	3,247	2,900	-347	111.96 %
1280 - Medicare Tax Expense	1,074	1,216	142	88.34 %	9,993	14,600	4,607	68.45 %
1290 - Staff Development & Training	-295	991	1,286	-29.76 %	2,768	11,900	9,132	23.26 %
1300 - Conference Registration	0	117	117	0.00 %	803	1,400	597	57.33 %
1310 - Professional Dues	28	67	39	41.42 %	532	800	268	66.49 %
1320 - Personnel Recruitment	0	67	67	0.00 %	97	800	703	12.10 %
Total Level1: 100 - Personnel Costs:	96,967	118,053	21,086	82.14 %	946,574	1,417,200	470,626	66.79 %
Level1: 200 - Supplies and Services								
2000 - Board Member Compensation	1,188	1,516	328	78.36 %	6,966	18,200	11,234	38.27 %
2020 - Board Expenses	0	267	267	0.00 %	1,923	3,200	1,277	60.10 %
2040 - Rent	840	883	43	95.10 %	6,828	10,600	3,772	64.42 %
2060 - Utilities	1,023	1,299	277	78.69 %	8,714	15,600	6,886	55.86 %
2120 - Insurance Expense	0	1,499	1,499	0.00 %	1,129	18,000	16,871	6.27 %
2130 - Membership Dues	266	908	642	29.30 %	9,643	10,900	1,257	88.47 %
2140 - Bank Charges	141	133	-8	105.73 %	1,348	1,600	252	84.27 %
2150 - Office Supplies	368	675	307	54.56 %	3,764	8,100	4,336	46.47 %
2160 - Courier Expense	141	267	126	52.82 %	1,456	3,200	1,744	45.51 %
2170 - Printing/Photocopy	0	150	150	0.00 %	56	1,800	1,744	3.13 %
2180 - Postage & Shipping	291	217	-74	134.32 %	1,655	2,600	945	63.66 %
2190 - IT Supplies/Services	4,079	3,332	-747	122.43 %	39,577	40,000	423	98.94 %
2200 - Professional Fees	10,913	11,712	799	93.18 %	85,365	140,600	55,235	60.72 %
2220 - Equipment Repairs & Maintenance	0	250	250	0.00 %	1,171	3,000	1,829	39.03 %
2235 - Equipment Lease	407	466	59	87.32 %	3,669	5,600	1,931	65.52 %
2240 - Telephone	1,865	1,516	-349	123.04 %	12,232	18,200	5,968	67.21 %
2260 - Facility Maintenance	2,096	1,449	-647	144.61 %	9,486	17,400	7,914	54.51 %
2270 - Travel Expenses	225	791	566	28.47 %	1,879	9,500	7,621	19.78 %

Statement of Revenue Over Expense - No Decimals

	February	February	Variance Favorable	Percent	YTD		Variance Favorable	Percent	
Level	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used	
2280 - Transportation	4,539	858	-3,681	529.08 %	20,856	10,300	-10,556	202.48 %	
2300 - Legal Services	4,481	10,662	6,181	42.03 %	19,440	128,000	108,560	15.19 %	
2380 - Meeting Expenses	37	200	163	18.30 %	550	2,400	1,850	22.91 %	
2420 - Legal Notices	0	133	133	0.00 %	0	1,600	1,600	0.00 %	
2460 - Public Outreach	142	1,524	1,382	9.31 %	650	18,300	17,650	3.55 %	
2480 - Miscellaneous	0	100	100	0.00 %	152	1,200	1,048	12.63 %	
2500 - Tax Administration Fee	0	483	483	0.00 %	0	5,800	5,800	0.00 %	
2900 - Operating Supplies	171	183	12	93.40 %	359	2,200	1,841	16.33 %	
Total Level1: 200 - Supplies and Services:	33,214	41,475	8,261	80.08 %	238,871	497,900	259,029	47.98 %	
Level1: 300 - Other Expenses									
3000 - Project Expenses	29,279	149,199	119,920	19.62 %	331,661	1,791,100	1,459,439	18.52 %	
4000 - Fixed Asset Purchases	17,098	16,443	-655	103.98 %	20,491	197,400	176,909	10.38 %	
5500 - Election Expenses	0	0	0	0.00 %	2,745	0	-2,745	0.00 %	
6000 - Contingencies	0	2,499	2,499	0.00 %	0	30,000	30,000	0.00 %	
6500 - Reserves	0	15,560	15,560	0.00 %	0	186,800	186,800	0.00 %	
Total Level1: 300 - Other Expenses:	46,377	183,701	137,325	25.25 %	354,897	2,205,300	1,850,403	16.09 %	
Total Expense:	176,558	343,229	166,671	51.44 %	1,540,341	4,120,400	2,580,059	37.38 %	
Total Revenues	258,658	343,229	-84,572	-75.36 %	2,097,127	4,120,400	-2,023,273	-50.90 %	
Total Fund: 24 - MITIGATION FUND:	82,100	0	82,100		556,786	0	556,786		

Statement of Revenue Over Expense - No Decimals

Level		February Activity	February Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
Fund: 26 - CONSERVATION FUND									
Revenue									
R120 - Property Taxes Revenues		0	88,398	-88,398	0.00 %	641,533	1,061,200	-419,667	60.45 %
R130 - User Fees		124,060	93,088	30,972	133.27 %	730,520	1,117,500	-386,980	65.37 %
R150 - Permit Processing Fee		20,776	14,578	6,199	142.52 %	162,758	175,000	-12,242	93.00 %
R200 - Recording Fees		2,984	800	2,184	373.15 %	11,100	9,600	1,500	115.63 %
R210 - Legal Fees		600	1,333	-733	45.02 %	3,078	16,000	-12,922	19.24 %
R250 - Interest Income		20	292	-272	6.72 %	5,284	3,500	1,784	150.97 %
R270 - CAW - Rebates		23,315	41,650	-18,335	55.98 %	281,445	500,000	-218,555	56.29 %
R320 - Grants		20,000	18,326	1,674	109.13 %	20,000	220,000	-200,000	9.09 %
R510 - Operating Reserve		0	200	-200	0.00 %	0	2,400	-2,400	0.00 %
	Total Revenue:	191,754	258,663	-66,909	-74.13 %	1,855,718	3,105,200	-1,249,482	59.76 %

Statement of Revenue Over Expense - No Decimals

Expense Filter Filter	Level	February Activity	February Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
Level: 100 - Personnel Costs1100 - Salaries & Wages45,80053,6627,86285.35 %365,788644,200278,41256.78 %1110 - Manager's Auto Allowance92100892.34 %46621,20073938.46 %1120 - Manager's Deferred Comp135142695.60 %6771,7001,02339.82 %1130 - Unemployment Compensation067670.00 %08008000.00 %1150 - Temporary Personnel3,0323,79876679.83 %28.38145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.6 %2,2433,9001,65757.51 %		Accurry	Dudget	(onlavorable)	oscu	Activity	Total Dauget	(ematerialic)	oscu
1100 - Salaries & Wages45,80053,6627,86285.35 %365,788644,200278,41256.78 %1110 - Manager's Auto Allowance92100892.34 %4621,20073938.46 %1120 - Manager's Deferred Comp135142695.60 %6771,7001,02339.82 %1130 - Unemployment Compensation067670.00 %08000.00 %1150 - Temporary Personnel3,0323,79876679.83 %28,38145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %	•								
1110 - Manager's Auto Allowance92100892.34 %4621,20073938.46 %1120 - Manager's Deferred Comp135142695.60 %6771,7001,02339.82 %1130 - Unemployment Compensation067670.00 %08008000.00 %1150 - Temporary Personnel3,0323,79876679.83 %28,38145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance - Retirees6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %		45,800	53,662	7,862	85.35 %	365,788	644,200	278 412	56.78 %
1120 - Manager's Deferred Comp135142695.60 %6771,7001,02339.82 %1130 - Unemployment Compensation067670.00 %08000.00 %1150 - Temporary Personnel3,0323,79876679.83 %28,38145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %		-					-	-	
1130 - Unemployment Compensation067670.00 %08000.00 %1150 - Temporary Personnel3,0323,79876679.83 %28,38145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %									
1150 - Temporary Personnel3,0323,79876679.83 %28,88145,60017,21962.24 %1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %	o							,	
1160 - PERS Retirement4,2758,7474,47148.88 %87,069105,00017,93182.92 %1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %						28.381			
1170 - Medical Insurance6,9717,59762691.76 %54,91391,20036,28760.21 %1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %		-					-	-	
1180 - Medical Insurance - Retirees2,1811,891-290115.34 %17,33722,7005,36376.37 %1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %	1170 - Medical Insurance	-		-	91.76 %	-		-	
1190 - Workers Compensation1742255177.41 %1,4692,7001,23154.41 %1200 - Life Insurance851001585.43 %5951,20060549.57 %1210 - Long Term Disability Insurance2853254087.76 %2,2433,9001,65757.51 %	1180 - Medical Insurance - Retirees	2,181		-290	115.34 %		-		76.37 %
1210 - Long Term Disability Insurance 285 325 40 87.76 % 2,243 3,900 1,657 57.51 %		-	-						
	1200 - Life Insurance	85	100	15	85.43 %	595	1,200	605	49.57 %
1220 - Short Term Disability Insurance 57 75 18 75.50 % 446 900 454 49.52 %	1210 - Long Term Disability Insurance	285	325	40	87.76 %	2,243	3,900	1,657	57.51 %
	1220 - Short Term Disability Insurance	57	75	18	75.50 %	446	900	454	49.52 %
1230 - Other Benefits 22 25 3 89.64 % 287 300 13 95.76 %	-	22	25	3	89.64 %	287	300	13	95.76 %
1260 - Employee Assistance Program 15 33 18 45.35 % 119 400 281 29.70 %	1260 - Employee Assistance Program	15	33	18	45.35 %	119	400	281	29.70 %
1270 - FICA Tax Expense 52 83 32 61.88 % 302 1,000 698 30.23 %	1270 - FICA Tax Expense	52	83	32	61.88 %	302	1,000	698	30.23 %
1280 - Medicare Tax Expense 666 800 133 83.31 % 5,567 9,600 4,033 57.98 %	1280 - Medicare Tax Expense	666	800	133	83.31 %	5,567	9,600	4,033	57.98 %
1290 - Staff Development & Training 510 1,191 681 42.81 % 3,240 14,300 11,060 22.66 %	1290 - Staff Development & Training	510	1,191	681	42.81 %	3,240	14,300	11,060	22.66 %
1300 - Conference Registration 0 67 67 0.00 % 1,192 800 -392 148.98 %	1300 - Conference Registration	0	67	67	0.00 %	1,192	800	-392	148.98 %
1310 - Professional Dues 19 125 106 15.46 % 763 1,500 737 50.90 %	1310 - Professional Dues	19	125	106	15.46 %	763	1,500	737	50.90 %
1320 - Personnel Recruitment 0 50 50 0.00 % 68 600 532 11.29 %	1320 - Personnel Recruitment	0	50	50	0.00 %	68	600	532	11.29 %
Total Level1: 100 - Personnel Costs: 64,373 79,102 14,729 81.38 % 570,917 949,600 378,683 60.12 %	Total Level1: 100 - Personnel Costs:	64,373	79,102	14,729	81.38 %	570,917	949,600	378,683	60.12 %
Level1: 200 - Supplies and Services	Level1: 200 - Supplies and Services								
2000 - Board Member Compensation 832 1,058 226 78.61 % 4,876 12,700 7,824 38.40 %		832	1.058	226	78.61 %	4.876	12,700	7.824	38.40 %
2020 - Board Expenses 0 183 183 0.00 % 1,346 2,200 854 61.19 %	·						-		
2040 - Rent 222 233 11 95.20 % 1,854 2,800 946 66.21 %							-		
2060 - Utilities 121 883 762 13.69 % 5,346 10,600 5,254 50.43 %									
2120 - Insurance Expense 0 1,050 1,050 0.00 % 790 12,600 11,810 6.27 %						,		,	
2130 - Membership Dues 186 1,250 1,063 14.90 % 9,936 15,000 5,064 66.24 %	•	186							
2140 - Bank Charges 99 92 -7 107.69 % 768 1,100 332 69.78 %	·	99							
2150 - Office Supplies 258 491 234 52.43 % 2,904 5,900 2,996 49.23 %	2150 - Office Supplies	258	491	234	52.43 %	2,904	5,900	2,996	49.23 %
2160 - Courier Expense 99 192 93 51.44 % 1,059 2,300 1,241 46.02 %		99	192	93	51.44 %	1,059	2,300	1,241	46.02 %
2170 - Printing/Photocopy 0 508 508 0.00 % 39 6,100 6,061 0.65 %	2170 - Printing/Photocopy	0	508	508	0.00 %	39	6,100	6,061	0.65 %
2180 - Postage & Shipping 204 142 -62 143.80 % 1,068 1,700 632 62.85 %	2180 - Postage & Shipping	204	142	-62	143.80 %	1,068	1,700	632	62.85 %
2190 - IT Supplies/Services 2,836 2,332 -503 121.58 % 27,665 28,000 335 98.80 %	2190 - IT Supplies/Services	2,836	2,332	-503	121.58 %	27,665	28,000	335	98.80 %
2200 - Professional Fees 7,639 8,197 558 93.20 % 59,678 98,400 38,722 60.65 %	2200 - Professional Fees	7,639	8,197	558	93.20 %	59,678	98,400	38,722	60.65 %
2220 - Equipment Repairs & Maintenance 0 175 175 0.00 % 820 2,100 1,280 39.03 %	2220 - Equipment Repairs & Maintenance	0	175	175	0.00 %	820	2,100	1,280	39.03 %
2235 - Equipment Lease 227 325 98 69.98 % 2,071 3,900 1,829 53.11 %	2235 - Equipment Lease	227	325	98	69.98 %	2,071	3,900	1,829	53.11 %
2240 - Telephone 1,744 1,016 -728 171.65 % 8,195 12,200 4,005 67.17 %	2240 - Telephone	1,744	1,016	-728	171.65 %	8,195	12,200	4,005	67.17 %
2260 - Facility Maintenance 1,467 933 -534 157.26 % 6,434 11,200 4,766 57.44 %	2260 - Facility Maintenance	1,467	933	-534	157.26 %	6,434	11,200	4,766	57.44 %
2270 - Travel Expenses 834 1,416 582 58.88 % 3,053 17,000 13,947 17.96 %	2270 - Travel Expenses	834	1,416	582	58.88 %	3,053	17,000	13,947	17.96 %

Statement of Revenue Over Expense - No Decimals

			Variance				Variance	
	February	February	Favorable	Percent	YTD	T . I.S. I	Favorable	Percent
Level	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
2280 - Transportation	15	500	485	3.00 %	546	6,000	5,454	9.10 %
2300 - Legal Services	3,179	5,998	2,818	53.01 %	20,765	72,000	51,235	28.84 %
2380 - Meeting Expenses	19	175	156	10.65 %	456	2,100	1,644	21.72 %
2420 - Legal Notices	0	58	58	0.00 %	0	700	700	0.00 %
2460 - Public Outreach	99	1,066	967	9.32 %	627	12,800	12,173	4.90 %
2480 - Miscellaneous	0	67	67	0.00 %	106	800	694	13.26 %
2500 - Tax Administration Fee	0	475	475	0.00 %	0	5,700	5,700	0.00 %
2900 - Operating Supplies	1,107	1,266	159	87.41 %	8,347	15,200	6,853	54.92 %
Total Level1: 200 - Supplies and Services:	21,186	30,080	8,894	70.43 %	168,751	361,100	192,349	46.73 %
Level1: 300 - Other Expenses								
3000 - Project Expenses	94,798	96,886	2,088	97.84 %	453,277	1,163,100	709,823	38.97 %
4000 - Fixed Asset Purchases	79,791	42,150	-37,641	189.30 %	82,166	506,000	423,834	16.24 %
5500 - Election Expenses	0	0	0	0.00 %	1,922	0	-1,922	0.00 %
6000 - Contingencies	0	1,749	1,749	0.00 %	0	21,000	21,000	0.00 %
6500 - Reserves	0	8,697	8,697	0.00 %	0	104,400	104,400	0.00 %
Total Level1: 300 - Other Expenses:	174,589	149,482	-25,107	116.80 %	537,365	1,794,500	1,257,135	29.95 %
Total Expense:	260,148	258,663	-1,485	100.57 %	1,277,033	3,105,200	1,828,167	41.13 %
Total Revenues	191,754	258,663	-66,909	-74.13 %	1,855,718	3,105,200	-1,249,482	-59.76 %
Total Fund: 26 - CONSERVATION FUND:	-68,394	0	-68,394		578,685	0	578,685	

Statement of Revenue Over Expense - No Decimals

		February	February	Variance Favorable	Percent	YTD		Variance Favorable	Percent
Level		Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
Fund: 35 - WATER SUPPLY FUND									
Revenue									
R100 - Water Supply Charge		0	283,220	-283,220	0.00 %	2,059,657	3,400,000	-1,340,343	60.58 %
R120 - Property Taxes Revenues		0	2,732	-2,732	0.00 %	19,829	32,800	-12,971	60.45 %
R130 - User Fees		62,786	0	62,786	0.00 %	478,559	0	478,559	0.00 %
R140 - Connection Charges		55,622	20,825	34,797	267.09 %	381,155	250,000	131,155	152.46 %
R220 - Copy Fee		5	0	5	0.00 %	83	0	83	0.00 %
R230 - Miscellaneous - Other		204	833	-629	24.48 %	1,899	10,000	-8,101	18.99 %
R250 - Interest Income		638	1,166	-528	54.71 %	6,317	14,000	-7,683	45.12 %
R260 - CAW - ASR		0	52,929	-52,929	0.00 %	0	635,400	-635,400	0.00 %
R265 - CAW - Los Padres Reimbursement		0	43,733	-43,733	0.00 %	0	525,000	-525,000	0.00 %
R290 - CAW - Miscellaneous		0	1,949	-1,949	0.00 %	0	23,400	-23,400	0.00 %
R300 - Watermaster		0	6,214	-6,214	0.00 %	32,691	74,600	-41,910	43.82 %
R308 - Reclamation Project		0	1,666	-1,666	0.00 %	0	20,000	-20,000	0.00 %
R309 - GWR Project Reimbursements		4,112,541	0	4,112,541	0.00 %	4,112,541	0	4,112,541	0.00 %
R310 - Other Reimbursements		0	83	-83	0.00 %	0	1,000	-1,000	0.00 %
R320 - Grants		0	6,664	-6,664	0.00 %	0	80,000	-80,000	0.00 %
R510 - Operating Reserve		0	62,392	-62,392	0.00 %	0	749,000	-749,000	0.00 %
	Total Revenue:	4,231,797	484,406	3,747,390	-873.61 %	7,092,730	5,815,200	1,277,530	121.97 %

Statement of Revenue Over Expense - No Decimals

Level	February Activity	February Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
Expense								
Level1: 100 - Personnel Costs								
1100 - Salaries & Wages	71,999	72,721	722	99.01 %	555,994	873,000	317,006	63.69 %
1110 - Manager's Auto Allowance	277	300	23	92.34 %	1,385	3,600	2,215	38.46 %
1120 - Manager's Deferred Comp	406	417	10	97.52 %	2,031	5,000	2,969	40.62 %
1130 - Unemployment Compensation	0	83	83	0.00 %	0	1,000	1,000	0.00 %
1150 - Temporary Personnel	0	50	50	0.00 %	2,376	600	-1,776	395.94 %
1160 - PERS Retirement	7,088	13,070	5,982	54.23 %	140,774	156,900	16,126	89.72 %
1170 - Medical Insurance	9,189	8,730	-460	105.26 %	72,132	104,800	32,668	68.83 %
1180 - Medical Insurance - Retirees	2,493	2,157	-335	115.54 %	19,820	25,900	6,080	76.53 %
1190 - Workers Compensation	1,349	1,516	167	89.00 %	11,010	18,200	7,190	60.49 %
1200 - Life Insurance	123	150	27	81.97 %	843	1,800	957	46.83 %
1210 - Long Term Disability Insurance	403	392	-12	102.99 %	3,144	4,700	1,556	66.88 %
1220 - Short Term Disability Insurance	80	92	12	87.31 %	623	1,100	477	56.66 %
1230 - Other Benefits	26	33	8	76.83 %	328	400	72	82.08 %
1260 - Employee Assistance Program	20	42	22	47.15 %	154	500	346	30.87 %
1270 - FICA Tax Expense	89	242	153	36.72 %	528	2,900	2,372	18.21 %
1280 - Medicare Tax Expense	954	1,091	137	87.41 %	7,905	13,100	5,195	60.34 %
1290 - Staff Development & Training	0	891	891	0.00 %	1,440	10,700	9,260	13.46 %
1300 - Conference Registration	0	100	100	0.00 %	642	1,200	558	53.51 %
1310 - Professional Dues	22	67	45	33.13 %	79	800	721	9.92 %
1320 - Personnel Recruitment	0	50	50	0.00 %	77	600	523	12.91 %
Total Level1: 100 - Personnel Costs:	94,518	102,192	7,674	92.49 %	821,285	1,226,800	405,515	66.95 %
Level1: 200 - Supplies and Services								
2000 - Board Member Compensation	950	1,208	257	78.69 %	5,573	14,500	8,927	38.43 %
2020 - Board Expenses	0	217	217	0.00 %	1,539	2,600	1,062	59.17 %
2040 - Rent	776	816	40	95.09 %	6,299	9,800	3,501	64.27 %
2060 - Utilities	824	1,050	225	78.53 %	7,021	12,600	5,579	55.72 %
2120 - Insurance Expense	0	1,200	1,200	0.00 %	903	14,400	13,497	6.27 %
2130 - Membership Dues	213	725	512	29.36 %	7,710	8,700	990	88.62 %
2140 - Bank Charges	112	108	-4	103.43 %	1,025	1,300	275	78.84 %
2150 - Office Supplies	294	550	255	53.57 %	3,030	6,600	3,570	45.92 %
2160 - Courier Expense	113	217	104	52.01 %	1,126	2,600	1,474	43.31 %
2170 - Printing/Photocopy	0	125	125	0.00 %	394	1,500	1,106	26.26 %
2180 - Postage & Shipping	233	175	-58	133.04 %	1,221	2,100	879	58.15 %
2190 - IT Supplies/Services	3,242	2,666	-576	121.63 %	33,313	32,000	-1,313	104.10 %
2200 - Professional Fees	8,731	9,371	641	93.16 %	71,208	112,500	41,292	63.30 %
2220 - Equipment Repairs & Maintenance	0	200	200	0.00 %	937	2,400	1,463	39.03 %
2235 - Equipment Lease	313	375	62	83.39 %	2,793	4,500	1,707	62.06 %
2240 - Telephone	1,348	1,266	-82	106.46 %	8,824	15,200	6,376	58.05 %
2260 - Facility Maintenance	1,677	1,183	-494	141.76 %	7,455	14,200	6,745	52.50 %
2270 - Travel Expenses	184	675	490	27.34 %	6,369	8,100	1,731	78.63 %

Statement of Revenue Over Expense - No Decimals

	February	February	Variance Favorable	Percent	YTD		Variance Favorable	Percent
Level	Activity	Budget	(Unfavorable)	Used	Activity	Total Budget	(Unfavorable)	Used
2280 - Transportation	70	858	788	8.11 %	772	10,300	9,528	7.50 %
2300 - Legal Services	30,469	16,660	-13,809	182.89 %	156,851	200,000	43,149	78.43 %
2380 - Meeting Expenses	21	158	137	13.45 %	480	1,900	1,420	25.26 %
2420 - Legal Notices	0	117	117	0.00 %	0	1,400	1,400	0.00 %
2460 - Public Outreach	114	1,216	1,103	9.34 %	668	14,600	13,932	4.58 %
2480 - Miscellaneous	0	83	83	0.00 %	140	1,000	860	14.02 %
2500 - Tax Administration Fee	0	708	708	0.00 %	0	8,500	8,500	0.00 %
2900 - Operating Supplies	137	150	13	91.32 %	302	1,800	1,498	16.79 %
Total Level1: 200 - Supplies and Services:	49,820	42,075	-7,745	118.41 %	325,954	505,100	179,146	64.53 %
Level1: 300 - Other Expenses								
3000 - Project Expenses	113,727	290,884	177,157	39.10 %	1,028,387	3,492,000	2,463,613	29.45 %
4000 - Fixed Asset Purchases	17,098	13,661	-3,437	125.16 %	19,812	164,000	144,188	12.08 %
5000 - Debt Service	0	19,159	19,159	0.00 %	67,019	230,000	162,981	29.14 %
5500 - Election Expenses	0	0	0	0.00 %	2,196	0	-2,196	0.00 %
6000 - Contingencies	0	1,999	1,999	0.00 %	0	24,000	24,000	0.00 %
6500 - Reserves	0	14,436	14,436	0.00 %	0	173,300	173,300	0.00 %
Total Level1: 300 - Other Expenses:	130,825	340,139	209,314	38.46 %	1,117,414	4,083,300	2,965,886	27.37 %
Total Expense:	275,163	484,406	209,243	56.80 %	2,264,653	5,815,200	3,550,547	38.94 %
Total Revenues	4,231,797	484,406	3,747,390	-873.61 %	7,092,730	5,815,200	1,277,530	-121.97 %
Total Fund: 35 - WATER SUPPLY FUND:	3,956,634	0	3,956,634		4,828,077	0	4,828,077	
Report Total:	3,970,340	0	3,970,340		5,963,548	0	5,963,548	

<u>EXHIBIT 12-E</u> Statement of Revenue Over Expense - No Decimals

Fund Summary

Fund	February Activity	February Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
24 - MITIGATION FUND	82,100	0	82,100		556,786	0	556,786	
26 - CONSERVATION FUND	-68,394	0	-68,394		578,685	0	578,685	
35 - WATER SUPPLY FUND	3,956,634	0	3,956,634		4,828,077	0	4,828,077	
Report Total:	3,970,340	0.02	3,970,340		5,963,548	0	5,963,548	

ITEM: PUBLIC HEARING

17. CONSIDER ADOPTION OF 2017 MPWMD ANNUAL REPORT

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program/ Line Item No.:	N/A N/A
Prepared By:	Arlene Tavani	Cost Estimate:	N/A

General Counsel Approval: N/A

Committee Recommendation: The Public Outreach Committee reviewed the report on March 21, 2018 and agreed that it should be presented to the Board for adoption. CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

SUMMARY: Attached as **Exhibit 17-A** is the draft 2017 Annual Report for the Monterey Peninsula Water Management District. On March 21, 2018 the Public Outreach Committee reviewed the report and agreed that it should be submitted to the Board for adoption. 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 2017 MPWMD Annual Report. Directors are asked to submit any written comments or edits on the report to staff by Monday, April 23, 2018.

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 each year regarding the contents of the report before it is finalized.

EXHIBIT

17-A Draft 2017 MPWMD Annual Report

Monterey Peninsula Water Management District 2017 Annual Report

Accomplishments

 Monterey Peninsula Water Supply Project – The District has made continued progress on the Monterey Peninsula Water Supply Project working jointly with California American Water (Cal-Am), the Monterey Peninsula Regional Water Authority, and other parties. This past year, Cal-Am began work on the Monterey Pipeline and Hilby Pump Station with the District acting as Project Manager for environmental compliance assurance. When completed,

the pipeline will allow Pure Water Monterey water to be supplied to Pebble Beach, Carmel and Carmel Valley and also allow additional excess Carmel River water to be delivered to the Aquifer Storage and Recovery wells in the winter

- 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 Advanced Water Purification Facility (AWPF), facilities to bring source waters to the AWPF, the pipeline from the AWPF to the Injection Well Facilities, and the Injection Wells Facilities are all under construction. The District is acting as Project Manager for the Injection Wells Facilities component of Pure Water Monterey. Construction of the first injection well was successfully completed in 2017. Design of the remaining two injection wells and associated facilities required for injection was completed in 2017, and the project is out to bid.
- Aquifer Storage and Recovery (ASR) The District operated the ASR facilities in coordination with Cal-Am while diverting 2,345 acre-feet (AF) of Carmel River Basin water for injection and storage in the Seaside Basin during the 2017 water year (WY). Since inception of the ASR program, a total of 8,030 AF has been diverted from the Carmel River for storage and subsequent recovery through the end of WY2017.



Maureen Hamilton, Project Manager for Injection Well Facilities for the Pure Water Monterey Project (PWM), with test wells. The first PWM injection well was completed in 2017.

- Water Availability In cooperation with the United States Geological Survey (USGS), the District worked to calibrate an integrated ground water-surface water GSFLOW/MODFLOW model to update water availability for additional water supply from the Carmel River. The model is due to be finalized in early 2018. In addition, the District completed a draft instream flow study and hydraulic model to simulate flow requirements for steelhead in the Carmel River. A final version will be developed after regulatory agencies complete their reviews. These models will allow the District to simulate different water supply scenarios and their impacts on the Carmel River environment.
- Well Permitting MPWMD issued 2 Water Distribution System Permits and 21 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 projects. At the State's direction, the first round awarded in 2017 will target conservation and supply projects in Disadvantaged Communities.



DRAFT

The District represented the Monterey Peninsula Regional Water Management Group submission to the Central Coast funding area application for Proposition 1 Integrated Regional Water Management Disadvantaged Community Involvement Grant funds. Approximately \$465k in Disadvantaged Community Involvement funding is allocated for the Monterey Peninsula region. The no-match grant funds will be 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 (HEART) pilot program project.

• Legally-Mandated Carmel River Mitigation and Stewardship – The District continued processing permit applications for an upgrade to the Sleepy Hollow Steelhead Rearing Facility, which 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. The 60% design plans, specifications, and cost estimate were completed. The total project cost is estimated at

\$2.5 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 project is scheduled to be completed in 2019.

The District successfully rescued 5,499 fish from the Carmel River, five tributaries, and the spillway at Los Padres Dam. All fish were released near the tributaries confluence with the Carmel River.

Staff reinstalled the Dual-frequency Identification Sonar (DIDSON) in the lower river at the end of December and operated it until the end of February, when extreme high flows scoured out the camera and caused it to blow out for the rest of the season. Staff also conducted late season Redd (steelhead nests) surveys, counting 36 over approximately 20 miles. Staff also continued to work for the third year with NMFS on field studies to develop a steelhead population life



Staff member Jordan Besson and Lea Bond with National Oceanographic Atmospheric Administration tagging steelhead fish as part of a joint program with NMFS to develop a life history model for the watershed.

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 4 tag detection arrays from the mouth up to the Old San Clemente Dam site.

District crews carried out the Vegetation Management Program in the active channel of the Carmel River at 15 sites to prevent debris dams and erosion, trimming back encroaching vegetation and reducing the hazard of downed trees in preparation for winter flows. Trash was removed from along 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.

- 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 was begun. District expenses will be 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 began a Basin Study that will evaluate future water demands and water supplies taking into account the effects of climate change. The area includes all of 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 study, which is expected to take about four years to complete.

- North Monterey County Drought Contingency Plan (DCP) The District continued development of a plan for North Monterey County areas from Salinas to the Monterey Peninsula to better cope with recurring droughts in the region. The DCP is being partially funded with a federal grant of \$280,000 to prepare the plan, which will be coordinated with the Basin Study.
- **Conservation** The District approved 1,342 rebate applications in the amount of \$506,461 for annual savings of 28.7 acre-feet of water. Staff conducted building-by-building inspections for compliance with the non-residential water efficiency requirements (Rule 143). More than 557 businesses were inspected. All Peninsula businesses will be verified by 2020. On the residential side, 1,028 properties were inspected to verify compliance with water efficiency standards (Retrofit Upon Change of Ownership or Use).

867 Water Permits were issued, including 86 Water Use Permits for water entitlement holders.

The District hosted several rainwater harvesting, and water efficient irrigation workshops, as well as a hands-on sheet mulching workshop at Martin Luther King Elementary School. We also targeted Multi-Family Dwelling

property owners and property management companies for a class on water efficiency requirements and opportunities. The District offered two Specialized Landscaping classes focused on drought tolerant landscape and native plant selections.

• Community Outreach - Posted weekly updates to the District's Facebook page. Outreach to schools continued with presentations to seniors of Environmental Science classes from Robert Louis Stevenson School, Carmel High, and graduate school classes at CSUMB in Watershed Science and Policy. Presentations were also made to the Carmel Valley Association and the Paso Hondo Neighborhood Community. We also executed over 20 presentations to community groups and city councils. The District also 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.



General Manager, David Stoldt, (second from the right) accepts the Most Active Small Agency award from ACWA.

• Awards - The District received the Association of California Water Agencies (ACWA) Most Active Small Agency of 2017 award and ACWA's Top Outreach Participation Agency in ACWA Region 5 award. We also entered a drought tolerant landscape display in the Monterey County Fair and was awarded first place in the Water-Wise Landscape category.

Financial Analysis

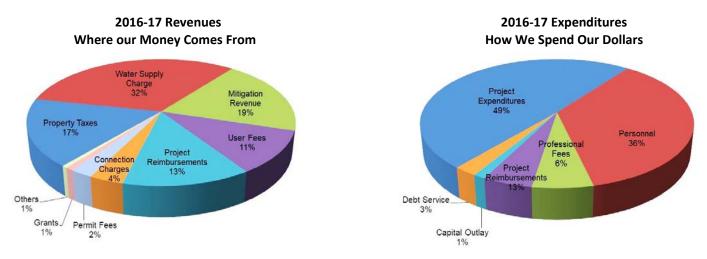
The District prepared a Comprehensive Annual Financial Report (CAFR), which is a set of government financial statements comprising the financial report of a municipality that complies with the accounting requirements promulgated by the Government Accounting Standards Board. MPWMD received a clean financial audit report with no material weakness or deficiencies. The audit for fiscal year 2016-2017 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, 2016.

As shown in the charts on page 4, total revenues received in Fiscal Year 2016-2017 were \$10,557,511, while expenditures totaled \$9,332,655, generating a decrease in fund balance of \$1,224,856. As of June 30, 2017, the



DRAFT

District's total fund balance was \$4,856,407. The budget for Fiscal Year 2017-18 anticipates expenditures of \$17,047,800.



Future Financing Methods

The District has historically paid for costs associated with water supply projects on a pay-as-you-go basis with the 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 now funds 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 collection in July 2017. The District also uses a line of credit to provide additional funding for preliminary costs of current and future potential water supply projects. Possible sources of funds to pay for actual construction of future water supply projects include ongoing revenue increases, user fees, water supply charge, 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 WY2017.

Available Water Supplies: In WY2017, 10,609 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 River Basin that depend on percolating groundwater rights pumped 939.3 AF in WY 2017.

Requirements for Future Capital Improvements: A 6,252 AFY desalination facility is expected by 2021 with the Pure Water Monterey project expected to create 3,500 AFY of new supply in mid-2019. Aquifer Storage and Recovery is expected to be doubled in capacity by 2019, 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

- 18. CONSIDER AUTHORIZATIONS FOR PROPOSITION 1 DISADVANTAGED COMMUNITY GRANT Not a project, CEQA Guidelines §15378; Existing facilities, Categorical Exemption, §15301
 - (A) CONSIDER AUTHORIZING THE GENERAL MANAGER TO ENTER INTO A GRANT AGREEMENT
 - (B) CONSIDER EXPENDITURE OF FUNDS TO RETAIN A CONSULTANT TO ADMINISTER HIGH EFFICIENCY APPLIANCE RETROFIT TARGETS (HEART) PILOT PROGRAM
 - (C) CONSIDER EXPENDITURE OF FUNDS TO RETAIN A CONSULTANT TO PROVIDE ASSISTANCE WITH THE MPWMD DISADVANTAGED COMMUNITY NEEDS ASSESSMENT

Meeting Date:	April 16, 2018	Budgeted:	4-2-3 for HEART Program
From:	Dave Stoldt, General Manager	Program	Integrated Regional Water Management
	-	Line Item No.:	24-03-785505
Prepared By:	Maureen Hamilton Stephanie Locke	Cost Estimate:	\$252,693 (fully reimbursed)

General Counsel Approval: N/A

Committee Recommendation:

CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378; Repair of existing facilities is a categorical exemption under Section 15301.

SUMMARY: MPWMD is eligible to receive up to \$252,693 in grant funds out of a Proposition 1 Integrated Regional Water Management Disadvantaged Community Involvement Program grant from the Department of Water Resources (DWR) to the Central Coast Funding Area (CCFA). The grant funds are available for two projects:

- 1. MPWMD Disadvantaged Community Needs Assessment.
- 2. High Efficiency Appliance Retrofit Targets Program (HEART).

The MPWMD Disadvantaged Community Needs Assessment project will determine the current drinking water and wastewater technical, managerial, and financial capacities of local Disadvantaged Communities (DACs) to ensure long-term safe, reliable drinking water and wastewater treatment and disposal. Outreach and assessment will be conducted in DACs already identified in the City of Seaside and the City of Monterey, as well as areas that are too sparsely populated or geographically small to be identified as a DAC using census data. The assessments will position the DACs for future Proposition 1 implementation funding opportunities.

The HEART project will focus on the City of Seaside's DACs to provide free or low-cost installations of water efficient toilets, showerheads and faucet aerators, High Efficiency Clothes Washers, High Efficiency Dishwashers, Irrigation Controllers and rain sensors, leak detection and repairs, dish squeegees, dye tablets for toilets, etc. Outreach activities will include education and outreach to DAC property owners, managers and renters. Outreach and education will continue with DAC residents through site assessments of DAC properties and completion of appliance retrofits. Participation will result in engaging City of Seaside community members through this new retrofit program conducted by the MPWMD to help DAC awareness of existing water resource issues, need for conservation, and cost saving opportunities. Participation in the program will result in lower water/energy usage and lower bills.

RECOMMENDATION: Staff requests that the Administrative Committee recommend authorization for the General Manager to enter into a grant agreement with the Regional Water Management Foundation for grant funds for the MPWMD Disadvantaged Community Needs Assessment and HEART projects, in an amount not-to-exceed \$252,693. The balance of the Monterey Peninsula, Carmel Bay, and South Monterey Bay Regional Water Management Group (Monterey Peninsula RWMG) grant funds less grant administration fees, \$182,992, was allocated to the City of Monterey's Franklin Street Storm Drain Project.

Staff further requests that the Administrative Committee recommend authorization for the General Manager to enter into contract agreements for services to conduct the MPWMD Disadvantaged Community Needs Assessment (NTE \$100,000) and to implement the HEART project (NTE \$152,693), for a not-to-exceed amount of \$252,693.

DISCUSSION: On November 4, 2014, California voters approved Proposition 1, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1). Proposition 1 authorized \$510 million in Integrated Regional Water Management (IRWM) funding. Water Code \$79745 directs not less than 10% of the total \$510 million be utilized for the purpose of ensuring the involvement of Disadvantaged Communities, economically distressed areas, and underrepresented communities within regions (hereinafter DACs).

DWR will administer three separate Proposition 1 grant programs:

- 1. Planning Grant Program
- 2. Disadvantaged Community Involvement Program
- 3. Implementation Grant Program

DWR allocated Proposition 1 funds to 12 hydrologically based funding areas. The Central Coast Funding Area (CCFA) is comprised of six IRWM Regions, including the Monterey Peninsula RWMG, of which MPWMD is a member. The CCFA is eligible to receive \$43 million from the Proposition 1 funds.

On April 18, 2016, the MPWMD Board authorized execution of the Memorandum of Agreement for Central Coast IRWM Planning and Funding in the Central Coast Area (CCFA MOA). The CCFA MOA funding allocation allows the Monterey Peninsula RWMG to receive \$4,333,643 out of the \$43 million CCFA Proposition 1 funding allocation.

On August 1, 2016, the DWR released a Request for Proposals (RPF) for the Proposition 1 Disadvantaged Community Involvement Program. The Monterey Peninsula RWMG is eligible to receive \$435,685 of the CCFA allocation in accordance with the CCFA MOA. The RFP stated that the funds would be awarded on a non-competitive basis or by direct expenditures, no local match would be required, and one proposal would be submitted for each of the twelve hydrologically-based funding areas. In 2016, the CCFA members selected the Regional Water Management Foundation of Santa Cruz (Foundation) to administer the Disadvantaged Community Involvement grant on behalf of the CCFA members. The Foundation is the DWR grantee, with each local project sponsor acting as a sub-grantee to the Foundation.

In 2016, MPWMD requested project proposals from local jurisdictions with identified DACs. The following proposals were received, and subsequently submitted in the grant application:

- 1. Franklin Street Storm Drain Project (City of Monterey)
- 2. Monterey Peninsula Needs Assessment (MPWMD)
- 3. High Efficiency Applied Retrofit Targets ("HEART") Program (MPWMD)

On February 13, 2018, DWR fully executed a grant agreement with the Foundation for DAC Involvement in an amount not to exceed \$4.3 million dollars. Funds are allocated in accordance with the CCFA MOA, with the Monterey Peninsula RWMG receiving \$435,685 for the three projects proposed in the DAC Involvement grant application.

MPWMD DISADVANTAGED COMMUNITY NEEDS ASSESSMENT

Staff is recommending the retention of consultant services to conduct needs assessments throughout the Monterey Peninsula IRWM region to determine the current technical, managerial and financial capacities of local DACs. The recommended improvements will provide a basis for the future Proposition 1 Implementation Grant Program for projects benefitting DACs. DACs include areas identified by the State utilizing census data, as well as identifying areas that are too sparsely populated or too geographically small to be identified using census data.

In accordance with the DWR objectives under the Disadvantaged Community Involvement RFP, the consultant will:

- 1. Work collaboratively to identify and involve DACs, community-based organizations, and stakeholders in IRWM planning efforts to ensure balanced access and opportunity for participation in the IRWM planning process.
- 2. Increase the understanding and where necessary, identify the water management needs of DACs on a regional basis.
- 3. Develop strategies and long-term solutions that appropriately address the identified DAC water management needs.

HEART

Staff is requesting retention of consultant services to conduct the HEART program. The program will be administered similarly to Ecology Action's WaterLink grant program MPWMD has been involved with. Where WaterLink has focused on devices that save both water and energy, the HEART program will focus specifically on water savings by providing for the purchase and

installation of water efficient fixtures and appliances (toilets, showerheads, aerators and other water-saving devices, high efficiency clothes washers and water efficient dishwashers) throughout the homes of qualified low-income participants. The program will also offer leak detection and repair services. Water savings of about 40 percent per dwelling unit are expected.

The multi-family common-area laundry high efficiency clothes washer component of the HEART project provides financial incentives or direct replacement of inefficient commercial clothes washers in multi-family settings. Older clothes washers use approximately 40 gallons per load, while high efficiency clothes washers use 10 to 16 gallons. They also extract more moisture from clothes during the spin cycle, thus reducing drying time (and wear and tear on the clothing). Savings of up to 60 percent per replacement washer can be expected. The Consortium for Energy Efficiency reports savings of 0.09 AFY (or greater) per commercial washer. There are approximately 10,500 multi-family dwelling units in the project area, as determined by MPWMD in consultation with the California American Water Company and the Seaside Municipal Water District. Assuming 50% of these units are served by common-area laundries, the overall market potential for water savings in this area are anticipated to exceed 126 AFY.

IMPACT TO STAFF/RESOURCES: The 2017-18 budget includes line item 4-2-3 D "DAC Direct Install Grant" for the HEART project, which would be reimbursed from grant funds, and a reimbursable budget line item will be added for the MPWMD Disadvantaged Community Needs Assessment project.

Several District staff would be involved in managing the projects. MPWMD is not proposing to be reimbursed for these services unless project costs are less than grant funding.

EXHIBIT

None

U:\staff\Boardpacket\2018\20180416\ActionItem\18\Item-18.docx

ITEM: INFORMATIONAL ITEMS/STAFF REPORTS

19. LETTERS RECEIVED

Meeting Date:	April 16, 2018	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.

A list of letters that were submitted to the Board of Directors or General Manager and received between March 9, 2018 and April 7, 2018 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	Торіс
Richards J. Heuer III	MPWMD Board of Directors	4/6/2018	Ordinance No. 152 Charge and MPWMD User Fee
Stuart Berman & William Brodsley	David J. Stoldt	3/28/2018	Donation from Barnet Segal Charitable Trust
Frank Sollecito	MPWMD	3/27/18	471 Wave Street, Monterey CA
John V. Narigi	MPWMD Board	3/19/18	Item 13 on March 19, 2018, Adoption of Resolution 2018-05
Eric J. Sabolsice	MPWMD Board	3/19/18	March 19, 2018 Board Meeting Agenda Item 13, Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Michael Lauffer	David J Stoldt	3/19/18	MPWMD Item Concerning the Cal-Am CDO Condition 2
Hans Uslar	MPWMD	3/16/18	Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Clyde Roberson	MPWMD	3/16/18	Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Luke Coletti	MPWMD Board	3/15/18	MPWMD Board meeting Agenda March 19, 2018 (Item 13 – Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 20009-0060

ITEM: INFORMATIONAL ITEMS/STAFF REPORTS

20. COMMITTEE REPORTS

Meeting Date:	April 16, 2018	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 20-A through 20-C** are final minutes of the committee meeting listed below.

EXHIBIT

20-A Final Minutes of April 12, 2017 Public Outreach Committee Meeting

20-B Final Minutes of February 13, 2018 Administrative Committee Meeting

20-C Final Minutes of January 23, 2018 Legislative Advocacy Committee Meeting

U:\staff\Boardpacket\2018\20180416\InfoItems\20\Item-20.docx



EXHIBIT 20-A

FINAL MINUTES Monterey Peninsula Water Management District Public Outreach Committee April 12, 2017

Call to Order

The meeting was called to order at 3:35 pm in the Water Management District conference room.

Committee members present:	Brenda Lewis - Chair Molly Evans David Pendergrass
Committee members absent:	None
District staff members present:	David Stoldt, General Manager Arlene Tavani, Executive Assistant
Others present:	Steve Thomas, Thomas Brand Consulting

Comments from the Public: No comments presented.

Action Items

1. Consider Adoption of November 30, 2015, March 8, 2016 and April 6, 2016 Committee Meetings

On a motion by Evans and second of Lewis, minutes of the three committee meetings were approved on a vote of 3 - 0 by Evans, Lewis and Pendergrass.

2. Consider Development of Recommendation to the Board of Directors re Adoption of 2016 MPWMD Annual Report

Evans offered a motion that was seconded by Lewis to recommend that the Board of Directors approve the Annual Report text with the header shown on Exhibit B. The motion was adopted on a vote of 3 - 0 by Evans, Lewis and Pendergrass.

Discussion Items

3. Discuss Plan for Providing Regularly Scheduled Updates to the Public

Steve Thomas presented a PowerPoint titled MPWMD Outreach Activities Review July 2016 – March 2017, which included a plan for future initiatives and the associated cost. He also reviewed a document titled Group Report that analyzed the success of MPWMD outreach activity across social networking platforms. Stoldt distributed a document titled Regular Public Outreach Messaging that listed topics that could be covered in monthly radio and newspaper reports to the public. The committee discussed the proposed outreach plans and indicated support for a \$50,000 budget that would cover publication of print ads/articles on a monthly basis, and airing quarterly radio advertisements. It was also suggested that Spanish language radio stations be incorporated into the plan. Pendergrass departed from the meeting at 4:30 pm. Thomas reviewed a technical abstract titled Sometimes Backwards is Better that was presented at the WateReuse California Annual Conference on March 21, 2017, and included the video he produced for the Pure Water Monterey Project's Public Outreach and Education Award that was presented at the same conference.

Schedule Next Meeting Date

No meeting scheduled.

Adjournment

The meeting was adjourned at 4:55 pm.

 $\label{eq:u:staff} With the staff and the$





EXHIBIT 20-B

FINAL MINUTES Monterey Peninsula Water Management District Administrative Committee February 13, 2018

Call to Order

The meeting was called to order at 3:34 PM in the District Conference Room.

Committee members present:	Brenda Lewis - Chair
_	Andrew Clarke
	Molly Evans

Staff present:Suresh Prasad, Administrative Services Manager/Chief Financial OfficerStephanie Locke, Water Demand ManagerLarry Hampson, Water Resources & Engineering Manager/District EngineerSara Reyes, Sr. Office Specialist

Oral Communications

None

Items on Board Agenda for February 22, 2018

- 1. Consider Adoption of Minutes of January 17, 2018 Committee Meeting On a motion by Clarke and second by Lewis, the minutes of the January 17, 2018 meeting were approved on a vote of 2 – 0 by Clarke and Lewis. Director Evans abstained from voting since she was not in attendance on January 17.
- 2. Consider Approval of Purchase of Internet Licenses for Water Wise Gardening in Monterey County

On a motion by Evans and second by Clarke, the committee recommended the Board approve the expenditure of \$5,000 and authorize the General Manager to renew the contract with GardenSoft to purchase a web license for the Monterey County Water Wise Landscaping software. The motion was approved on a vote of 3 - 0 by Evans, Clarke and Lewis.

3. Consider Approval of Expenditure for Increased County Recording Fees and Increased Recording Activity

On a motion by Clarke and second by Evans, the committee recommended the Board approve an increase in funding to accommodate an increase in the number of deed restrictions being recorded and the increase in the recording fees due to AB-2. The motion was approved on a vote of 3 - 0 by Clarke, Evans and Lewis.

4. Consider Adoption of Resolution No. 2018-02 in Support of Entering into an Agreement with the California State Coastal Conservancy to Upgrade the Intake for the Sleepy Hollow Steelhead Rearing Facility

On a motion by Evans and second by Clarke, the committee recommended that the Board adopt Resolution 2018-02 which authorizes the General Manager to enter into an agreement with the <u>California State Coastal Conservancy to receive up to \$1,800,000 in grant funds to improve the Sleepy</u> Hollow Steelhead Rearing Facility intake. The motion was approved on a vote of 3 - 0 by Evans, <u>Clarke and Lewis.</u>

5. Consider Approval of Treasurer's Report for December 2017

On a motion by Clarke and second by Evans, the committee recommended the Board adopt the December 2017 Treasurer's Report and financial statements, and ratification of the disbursements made during the month. The motion was approved on a vote of 3 - 0 by Clarke, Evans and Lewis.

- 6. Receive and File Second Quarter Financial Activity Report for Fiscal Year 2017-18 The committee received the report and took no further action.
- 7. Consider Approval of Second Quarter FY 2017-2018 Investment Report On a motion by Clarke and second by Evans, the committee recommended the Board approve the Second Quarter Fiscal Year 2017-2018 Investment Report. The motion was approved on a vote of 3 – 0 by Clarke, Evans and Lewis.

8. Approve 2018 Committee Meeting Schedule

On a motion by Evans and second by Clarke, the committee voted 3 to 0 to adopt the meeting schedule for 2018 and a date for January and February 2019. The motion was approved on a vote of 3 - 0 by Clarke, Evans and Lewis.

9. Review Second Quarter Legal Services Activity Report for Fiscal Year 2017-2018 This report was presented for informational purposes only. No action was taken by the committee.

10. Review Draft February 22, 2018 Board Meeting Agenda

A revised agenda was distributed to the committee for review. No action was taken by the committee.

Adjournment

The meeting was adjourned at 4:07 PM.

U:\staff\Boardpacket\2018\20180416\InfoItems\20\Item-20-Exh-B.docx





EXHIBIT 20-C

FINAL MINUTES Legislative Advocacy Committee of the Monterey Peninsula Water Management District January 23, 2018

Call to Order

The meeting was called to order at 3:30 pm in the MPWMD conference room.

Committee members present:	Andrew Clarke, Chair Robert S. Brower, Sr. Molly Evans
Committee members absent:	None
Staff members present:	David J. Stoldt, General Manager Arlene Tavani, Executive Assistant
District Counsel present:	David C. Laredo
Legislative Consultant:	John Arriaga Laurie Johnson
Comments from the Public:	No comments.

Action Items

1. Adopt Minutes of October 17, 2017 Committee Meetings

On a motion by Evans and second of Brower, minutes of the October 17, 2017 committee meeting were approved on a unanimous vote of 3 - 0 by Evans, Brower and Clarke.

Discussion Items

2. Report from John Arriaga on Legislative Status and Tracking

Arriaga reviewed the Legislative Report submitted in the staff report on this item. He also submitted a document titled Governor's 2018-19 Proposed Budget and reviewed water-related items. He noted that emergency regulations related to cannabis will be in effect for 12 to 18 months until permanent rules ae developed. He would be on the alert for regulations regarding water use for cannabis cultivation. Stoldt advised that District staff is researching greenhouse water use, in order to develop a water use factor for indoor cannabis cultivation within the District boundaries. Arriaga reported that AB1668 and SB606 would establish indoor residential water use at 55 gallons per-day-per-person through 2025; 52.5 gallons per-day-per-person through 2030; and thereafter 50 gallons of water per-day-per-person. ACWA is opposed to both bills. Stoldt distributed a document titled AB 1668/SB 606 Technical/Implementation Issues and Requested Amendments. He explained that the District opposed these bills in 2017 because they established an unfunded mandate that could cost ratepayers \$40 to \$70 per connection. There was consensus among committee members that the District should oppose the mandatory water conservation standards in AB 1668 and SB 606. Stoldt distributed a document titled Legislature Takes a Big Step Forward by Passing SB 5.

The bill established a \$4 billion park and water bond scheduled for the June 2018 ballot. There was consensus among the committee members that the District should support SB 5. Regarding AB 747, Stoldt stated that the District will withhold support for the bill until it is determined if SB 623 will address nitrate issues on a statewide basis. Arriaga reported that the California Water Plan Update should be released in February 2018 and that the Association of California Water Agencies is following it closely. It has been estimated that the cost could be \$10 per month or more for ratepayers.

3. Discuss Support for Water Supply and Water Quality Bond Act of 2018

Stoldt reported that the District has been asked to support the Water Supply and Water Quality Bond Act of 2018, that would appear on the November 2018 ballot. He distributed a document titled Funds Available to Monterey County. There was consensus among the committee members that the District should support the measure.

4. **Report on October 2017 Meetings in Washington DC** Stoldt distributed a letter dated December 7, 2017 signed by he and Paul Sciuto, and also reviewed Exhibit 4-A from the staff report: the schedule of meetings conducted between October 23 and 25, 2017.

5. Discuss Preparation for February 2018 Trip to Washington DC for ACWA Conference Stoldt advised the committee that the Ferguson Group is working to schedule meetings with elected officials or their representatives for the afternoon of Tuesday, February 27, 2018.

Other Items: Stoldt reported that the new Executive Director of the Department of Water Resources is Karla Nemeth. He also advised the committee that he has been asked to present introductory remarks on the current state of the water system at a moderated session between Public Water Now and California American Water regarding municipalizing the water system. In his remarks, Mr. Stoldt planned to articulate why the District has not prepared a feasibility study on issue.

Set Next Meeting Date: Check on committee members' availability for March 19, 21 or 22.

Adjournment: The meeting was adjourned at 4:21 pm

 $U:\staff\Boardpacket\2018\20180416\InfoItems\20\Item-20-Exh-C.docx$



ITEM: INFORMATIONAL ITEM/STAFF REPORTS

21. MONTHLY ALLOCATION REPORT

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program: Line Item No.:	N/A
Prepared By:	Gabriela Ayala	Cost Estimate:	N/A
General Counse Committee Reco	el Review: N/A ommendation: 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, 2018, a total of **25.408** acre-feet (**7.4%**) of the Paralta Well Allocation remained available for use by the Jurisdictions. Pre-Paralta water in the amount of **35.923** acre-feet is available to the Jurisdictions, and **29.048** acre-feet is available as public water credits.

Exhibit 21-A shows the amount of water allocated to each Jurisdiction from the Paralta Well Allocation, the quantities permitted in March 2018 ("changes"), and the quantities remaining. The Paralta Allocation had no debits in March 2018.

Exhibit 21-A also shows additional water available to each of the Jurisdictions and the information regarding the Community Hospital of the Monterey Peninsula (Holman Highway Facility). 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 21-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 21-C**.

EXHIBITS

- 21-A Monthly Allocation Report
- **21-B** Monthly Entitlement Report
- **21-C** District's Water Allocation Program Ordinances

EXHIBIT 21-A MONTHLY ALLOCATION REPORT Reported in Acre-Feet For the month of March 2018

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	1.397	1.081	0.000	1.081	0.910	0.000	0.182	2.660
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	0.263	50.659	0.000	0.030	38.121	0.000	2.325	2.618
Monterey County	87.710	0.000	10.717	13.080	0.000	0.352	7.827	0.000	1.891	12.960
Pacific Grove	25.770	0.000	0.000	1.410	0.000	0.022	15.874	0.000	0.133	0.155
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	0.000	7.834	34.438	0.000	34.438	2.693	0.000	1.144	43.416
TOTALS	342.720	0.000	25.408	101.946	0.000	35.923	90.142	0.000	29.048	90.379

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	0.081	9.372	3.388

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

<u>EXHIBIT 21-B</u> MONTHLY ALLOCATION REPORT ENTITLEMENTS Reported in Acre-Feet For the month of March 2018

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	230.760	0.800	31.425	199.335
Del Monte Forest Benefited Properties ² (Pursuant to Ord No. 109)	134.24	0.041	49.864	84.376
Macomber Estates	10.000	0.000	9.595	0.405
Griffin Trust	5.000	0.000	4.829	0.171
CAWD/PBCSD Project Totals	380.000	0.841	95.713	284.287

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
City of Sand City	165.000	0.221	4.353	160.647
Malpaso Water Company	80.000	0.265	8.429	71.571
D.B.O. Development No. 30	13.950	0.000	1.088	12.862
City of Pacific Grove	66.000	0.000	0.000	66.000
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 21-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 Malpaso 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

22. WATER CONSERVATION PROGRAM REPORT

Meeting Date:	April 16, 2018	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 compared against the properties that have submitted WCCs. Details on **111** property transfers that occurred in March 2018 were added to the database.

B. Certification

The District received **44** WCCs between March 1, 2018, and March 31, 2018. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

C. Verification

In March, **66** properties were verified compliant with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **66** verifications, **45** properties verified compliance by submitting certification forms and/or receipts. District staff completed **40** Site inspections. Of the **40** properties inspected, **21** (**52%**) passed inspection. None of the properties that passed inspection involved more than one visit to verify compliance with all water efficiency standards.

Savings Estimate

Water savings from HET retrofits triggered by Rule 144 verified in March 2018 are estimated at **0.660** Acre-Feet Annually (AFA). Water savings from retrofits that exceeded the requirement (i.e., HETs to Ultra High Efficiency Toilets) is estimated at **0.200** AFA (20 toilets). Year-to-date estimated savings from toilet retrofits is **3.020** 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. This month, District inspectors performed **39** inspections. Of the **39** inspections certified, **33** (**84%**) were in compliance. **Twenty six** 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 2018, MPWMD referred **thirteen** properties to Cal-Am for verification of outdoor Rate BMPs.

E. Water Waste Enforcement

In response to the State's drought emergency conservation regulation effective June 1, 2016, the District has increased its Water Waste enforcement. The District has a Water Waste Hotline 831-658-5653 or an online form to report Water Waster occurrences at <u>www.mpwmd.net</u> or <u>www.montereywaterinfo.org</u>. There were **four** Water Waste responses during the past month. There were **no** repeated incidents that resulted in a fine.

II. WATER DEMAND MANAGEMENT

A. Permit Processing

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 **95** Water Permits in March 2018. **Five** Water Permits were issued using Water Entitlements (Pebble Beach Company, Malpaso Water, etc.). No Water Permits 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 **95** Water Permits issued in March, **five** were issued under this provision.

B. Permit Compliance

District staff completed **74** Water Permit final inspections during March 2018. **Eight** of the final inspections failed due to unpermitted fixtures. Of the **57** passing properties, **30** passed inspection on the first visit. In addition, **four** pre-inspection were conducted in response to Water Permit applications received by the District.

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. In the month of March, the District prepared 60 deed restrictions. Of the 95 Water Permits issued in March, 53 (55%) required deed restrictions. District staff provided Notary services for 104 Water Permits with deed restrictions.

III. JOINT MPWMD/CAW REBATE PROGRAM

Participation in the rebate program is detailed in the following chart. The table below indicates the program summary for Rebates for California American Water Company customers.

REB	BATE PROGRAM SUMMARY			March-2018			2018 YTD	1997 - Present
App	Application Summary							
Α.	Applications Received			149			392	25,072
В.	Applications Approved			118			303	19,602
C.	Single Family Applications			134			362	22,695
D.	Multi-Family Applications			14			24	1,248
E.	Non-Residential Applications			1			3	327
l. Type	e of Devices Rebated	Number of devices	Rebate Paid	Estimated AF	Gallons Saved	2018 YTD Quantity	2018 YTD Paid	2018 YTD Estimated AF
A.	High Efficiency Toilet (HET)	15	1300.00	0.626220	204,054	41	3,250.00	1.711668
В.	Ultra Low Flush to HET	32	2400.00	0.320000	104,272	79	6,000.00	0.79
C.	Ultra HET	1	125.00	0.010000	3,259	7	899.00	0.07
D.	Toilet Flapper	1	15.00	0.000000	0	1	15.00	C
E.	High Efficiency Dishwasher	20	2500.00	0.060000	19,551	50	6,250.00	0.15
F.	High Efficiency Clothes Washer	50	26406.06	0.805000	262,310	137	69,720.68	2.2057
G.	Instant-Access Hot Water System	3	600.00	0.000000	0	4	800.00	0
Н.	On Demand Systems	0	0.00	0.000000	0	0	0.00	C
١.	Zero Use Urinals	0	0.00	0.000000	0	0	0.00	C
J.	High Efficiency Urinals	0	0.00	0.000000	0	0	0.00	C
К.	Pint Urinals	0	0.00	0.000000	0	0	0.00	C
L.	Cisterns	4	3990.00	0.000000	0	8	15,890.00	C
М.	Smart Controllers	2	239.00	0.000000	0	3	419.00	C
N.	Rotating Sprinkler Nozzles	0	0.00	0.000000	0	0	0.00	C
0.	Moisture Sensors	0	0.00	0.000000	0	0	0.00	C
Ρ.	Lawn Removal & Replacement	1	950.00	0.077900	25,384	2	2,435.00	0.19967
Q.	Graywater	0	0.00	0.000000	0	0	0.00	C
R.	Ice Machines	0	0.00	0.000000	0	0	0.00	C
l. <u>Tot</u>	als: Month; AF; Gallons; YTD	129	38525.06	1.89912	618,830	332	105,678.68	5.127038
							2018 YTD	1997 - Present
V. <u>Total Rebated: YTD; Program</u>						105,678.68	6,043,671.27	
	mated Water Savings in Acre-Feet A						5.127038	547.452613

Estimated Water Savings in Acre-Feet Annually* ν. U:\staff\Boardpacket\2018\20180416\InfoItems\22\Item-22.docx

ITEM: INFORMATIONAL ITESM/STAFF REPORTS

23. QUARTERLY WATER USE CREDIT TRANSFER STATUS REPORT

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program/ Line Item No.:	N/A
Prepared By:	Gabriela Ayala	Cost Estimate:	N/A
General Counse Committee Reco	l Review: N/A ommendation: N/A		
CEQA Complia	nce: This action does not	constitute a project as	defined by the California
Environmental (Ouality Act Guidelines Sec	tion 15378.	÷

Information about Water Use Credit transfer applications will be reported as applications are received. There are no pending Water Use Credit transfer applications.

ITEM: INFORMATIONAL ITEMS/STAFF REPORTS

24. QUARTERLY CARMEL RIVER RIPARIAN CORRIDOR MANAGEMENT PROGRAM REPORT

Meeting Date:	April 16, 2018	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 at four sites (Trail and Saddle Club, Begonia, Schulte, and Schulte Bridge) occurred in January and February because of insufficient rainfall.

Water Use in Acre-Feet (AF)	
January - March 2018	<u>0.82</u> AF
Year-to-date	0.82 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 2018. 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 2018 QUARTERLY REPORT:

- 1. Carmel River Clean Up: District staff removed plastic bags, metal, tires, and trash from long reaches of the Carmel River starting at Esquiline Bridge and extending downstream to the Highway One Bridge.
- 2. DeDampierre Well Repair. During the month of February, District staff made significant

repairs to the DeDampierre Well located at DeDampierre Park in Carmel Valley. The well had been in an underground vault for 30 years and the wood and beams holding the soil back had significantly deteriorated. The District along with two contractors raised the well casing and filled in the 6 foot deep vault area with soil. The well was then rewired and had all its controllers placed above ground. The DeDampierre Well irrigates riparian restoration plantings along the Carmel River.

- **3.** State Proposition 1 Integrated Regional Water Management (IRWM) Grant Program: Staff continued to work with the Santa Cruz Foundation to fund Disadvantaged Community projects. The District will also consider funding an update to the IRWM Plan (see related item in this Board packet).
- 4. Sleepy Hollow Steelhead Rearing Facility Intake Upgrade: Staff continued to work with permitting agencies to address questions about the project.
- **5. Instream Flow Incremental Method Study:** The National Marine Fisheries Service requested additional time to review the Draft Final Study. No additional work was completed during the quarter.
- 6. Los Padres Dam Long-Term Plan: Approximately 2/3 of the tasks in the scope of work for this project have been completed. Due to unforeseen events and delays in review, this project is likely to extend to the end of 2019.
- **7.** Salinas and Carmel Rivers Basin Study: Staff has had several teleconferences to establish baseline information and approaches to model developments.
- **8.** Stormwater Resource Plan: Staff reviewed a draft Stormwater Resource Plan and project prioritization. Work on the plan with the Monterey Regional Water Pollution Control Agency and City of Monterey and others is expected to be completed in 2018.

 $\label{eq:listaff} Weight = 0.000 \label{eq:listaff} with the staff and the staff an$

ITEM: INFORMATIONAL ITEMS/STAFF REPORTS

25. CARMEL RIVER FISHERY REPORT FOR MARCH 2018

Meeting Date:	April 16, 2018	Budgeted:	N/A
From:	David J. Stoldt, General Manager	Program/ Line Item No.:	N/A
Prepared By:	Beverly Chaney	Cost Estimate:	N/A

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

AQUATIC HABITAT AND FLOW CONDITIONS: Following five dry fall and winter months, Los Padres Reservoir finally spilled on March 2, 2018. Several weeks of wet March weather brought peak flows up to ~3,000 cubic-feet-per-second (cfs) in the lower river, creating excellent migration and rearing conditions for both adult and juvenile steelhead throughout much of the watershed.

Mean daily streamflow at the Sleepy Hollow Weir ranged from 62 to 1,890 cfs (monthly mean 297 cfs) resulting in 18,290 acre-feet (AF) of runoff, while mean daily streamflow at the Highway 1 gage ranged from 22 to 1,160 cfs (monthly mean 245 cfs), resulting in 15,040 AF of runoff.

There were 5.99 inches of rainfall in March as recorded at Cal-Am's San Clemente gauge, nearly twice the long term monthly average of 3.28 inches. The rainfall total for WY 2018 (which started on October 1, 2017) is 12.07 inches, or 67% of the long-term year-to-date average of 18.83 inches.

CARMEL RIVER LAGOON: The lagoon was opened through an outlet channel by the county on January 9 and again on January 21 after waves rebuilt the sandbar. After a period of opening and closing with the tides, the mouth closed on February 11 for the remainder of the month, slowing filling to 11.5 feet above mean-sea-level before breaking open on March 2 with the high river flows (see graph below).

Water quality depth-profiles were conducted at five sites on March 12 while the lagoon mouth was open and inflow was 72 cfs. Salinity level varied with depth (1-25 ppt), temperature ranged from (54-61 degrees F), and dissolved oxygen (DO) levels were good throughout the lagoon (4-10 mg/l) resulting in "excellent" steelhead rearing conditions above the 0.75-meter halocline, and generally "good" conditions in deeper water.

LIFE CYCLE MONITORING:

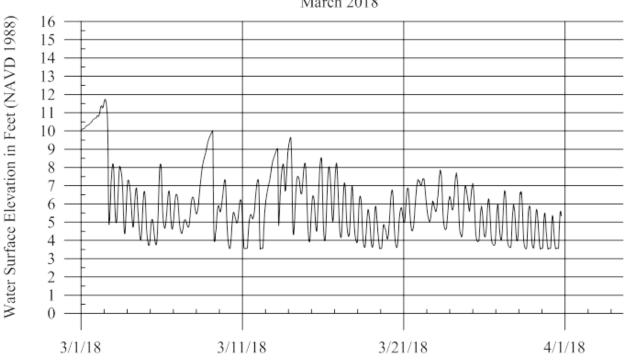
Los Padres Dam Adult Counts - Cal-Am maintains a fish ladder and trap at the Los Padres Dam site. All adult steelhead captured in the trap are trucked to the reservoir and released. As of March 31, six sea-run adult steelhead and six resident adult trout have been captured and moved above the dam. All fish captured in the trap since March 1 are now scanned for the presence of tags. So

far, there have been no tagged fish. The downstream smolt bypass facility was activated on February 8th.

<u>Redd Surveys</u> – Staff has been spot checking for redds and spawning activity and plans to conduct a thorough redd survey once flows drop low enough to safely walk the river.

<u>Rescues</u> – Staff began monitoring the lower tributaries for fish that may need rescuing once the dry-back begins.

<u>Tagging</u> - District staff is currently operating four Passive Integrated Transponder (PIT) tag arrays on the Carmel River in a partnership between the District and the National Marine Fisheries Service (NMFS). Data is being collected for future analysis and reporting.



Carmel River Lagoon March 2018

U:\staff\Boardpacket\2018\20180416\InfoItems\25\Item-25.docx

ITEM: INFORMATIONAL ITEMS/STAFF REPORT

26.	MONTHLY	WATER	SUPPLY	AND	CALIFORNIA	AMERICAN	WATER
	PRODUCTION REPORT						

Meeting Date:	April 16, 2018	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 **April 1, 2018**. 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) 2018 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 2018 totaled 5.99 inches and brings the cumulative rainfall total for WY 2018 to 12.07 inches, which is 64% of the long-term average through March. Estimated unimpaired runoff during March totaled 9,221 acre-feet (AF) and brings the cumulative runoff total for WY 2018 to 15,604 AF, which is 30% of the long-term average through March. Usable storage for the MRWPRS was 31,110 acre-feet, which is 97% of average through March, and equates to 83% 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 2018. Through **March**, using the CDO accounting method, Cal-Am has produced **2,979** 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 2018. Through **March**, Cal-Am has produced **1,643** AF from the Seaside Groundwater Basin. Through **March**, **341** AF of Carmel River Basin groundwater have been diverted for Seaside Basin injection; **0** AF have been recovered for customer use, and **98** AF have been diverted under Table 13 water rights. Cal-Am has produced **4,538** 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 **9,955** AF, which is below the rationing trigger of **10,130** AF for WY 2018.

EXHIBITS

- 26-A Water Supply Status: April 1, 2018
- **26-B** Monthly Cal-Am Diversions from Carmel River and Seaside Groundwater Basins: WY 2018
- **26-C** Monthly Cal-Am production by source: WY 2018

EXHIBIT 26-A

Monte	-	ter Managen oply Status 1, 2018	nent District	
Factor	Oct to Mar 2018	Average To Date	Percent of Average	Water Year 2017
Rainfall (Inches)	12.07	18.72	64%	30.23
Runoff (Acre-Feet)	15,604	52,220	30%	169,585
Storage ⁵ (Acre-Feet)	31,110	32,030	97%	32,280

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 1922-2017 and 1902-2017 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 1989-2017 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.

EXHIBIT 26-B

Production vs. CDO and Adjudication to Date: WY 2018

(All values in Acre-Feet)

		Ν	IPWRS	Wat	ter Projects	and Rig	ghts		
	Carmel	Seaside	Groundwate	er Basin	MDUDG				Water
Year-to-Date	River		Laguna	Ajudication	MPWRS Total	ASR	Table 13 ⁷	Sand	Projects and
Values	Basin ^{2, 6}	Coastal	Seca	Compliance	Total	Recovery	10010 15	City ³	Rights Total
Target	4,210	1,100	0	1,100	5,310	0	170	150	320
Actual ⁴	2,979	1,643	141	1,785	4,763	0	98	88	186
Difference	1,231	-543	-141	-685	547	0	73	62	134
WY 2017 Actual	3,072	1,172	118	1,290	4,362	305	293	110	708

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, 341 AF and 98 AF have been produced from the River for ASR and Table 13 respectively.

5. All values are rounded to the nearest Acre-Foot.

 $6. \ \mbox{For CDO Tracking Purposes, ASR}$ production for injection is capped at $600 \ \mbox{AFY}.$

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 2018

(All values in Acre-Feet)

Carmel River Basin	Seaside Basin	ASR Recovery	Table 13	Sand City	Mal Paso	Total
532	396	0	0	14	3	945
421	331	0	0	3	3	758
399	339	0	0	26	1	765
400	267	0	0	25	7	699
413	264	0	0	21	7	704
374	189	0	98	0	7	667
2,540	1,785	0	98	88	28	4,538
2,180	1,290	305	293	110	44	4,222
	Basin 532 421 399 400 413 374	Basin Seaside Basin 532 396 421 331 399 339 400 267 413 264 374 189 2,540 1,785	Basin Seaside Basin Recovery 532 396 0 421 331 0 399 339 0 400 267 0 413 264 0 374 189 0 2,540 1,785 0	Basin Seaside Basin Recovery Table 13 532 396 0 0 421 331 0 0 399 339 0 0 400 267 0 0 413 264 0 0 374 189 0 98	Basin Seaside Basin Recovery Table 13 Sand City 532 396 0 0 14 421 331 0 0 3 399 339 0 0 26 400 267 0 0 25 413 264 0 0 21 374 189 0 98 0 2,540 1,785 0 98 88	Basin Seaside Basin Recovery Table 13 Sand City Mal Paso 532 396 0 0 14 3 421 331 0 0 3 3 399 339 0 0 26 1 400 267 0 0 25 7 413 264 0 0 21 7 374 189 0 98 0 7 2,540 1,785 0 98 88 28

Rationing Trigger: WY 2018

12 Month Moving Average ¹	9,955	10,130	Rule 160 Production Limit
	a 1 a 1	1.1.00	

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

EXHIBIT 26-C

		(Carmel V	alley We	lls ¹			Seaside Wells ²				Total Wells				Sand City Desal		
	Act	ual	Antici	pated ³	Under	Target	А	ctual	Ant	icipated	Under	Target	Actual	Anticipated	Acre-Feet Under Target	Actual	Anticipated	Under Targe
	Upper	Lower	Upper	Lower	Upper	Lower	Coastal	LagunaSeca	Coastal	LagunaSeca	Coastal	LagunaSeca						
	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
-17	0	532	0	550	0	18	368	29	350	0	-18	-29	928	900	-28	14	25	11
-17	0	421	0	383	0	-38	301	30	350	0	49	-30	752	733	-19	3	25	22
17	0	399	0	728	0	329	315	24	100	0	-215	-24	738	828	90	26	25	-1
-18	0	400	0	673	0	273	247	19	100	0	-147	-19	667	773	106	25	25	0
-18	0	413	0	559	0	146	242	22	100	0	-142	-22	677	659	-18	21	25	4
18	183	630	0	716	-183	86	170	18	100	0	-70	-18	1002	816	-186	0	25	25
-18																		
-18																		
-18 -18																		
-18																		
-18																		
			l		l				1					1	1		1	
ate	183	2,795	0	3,609	-183	814	1,643	141	1,100	0	-543	-141	4,763	4,709	-54	88	150	62

California American Water Production by Source: Water Year 2018

Total Production: Water Year 2018

	Actual	Anticipated	Acre-Feet Under Target
Oct-17 Nov-17 Dec-17 Jan-18 Feb-18 Mar-18 Mar-18 Jun-18 Jun-18 Jun-18 Aug-18 Sep-18	942 755 764 692 698 1,002	925 758 853 798 684 841	-17 3 89 106 -14 -161
To Date	4,852	4,859	7

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 4/16/18 MPWMD Board Packet

Attached are copies of letters received between March 9, 2018 and April 7, 2018. These letters are listed in the April 16, 2018 Board packet under Letters Received.

Author	Addressee	Date	Торіс
Richards J. Heuer III	MPWMD Board of Directors	4/6/2018	Ordinance No. 152 Charge and MPWMD User Fee
Stuart Berman & William Brodsley	David J. Stoldt	3/28/2018	Donation from Barnet Segal Charitable Trust
Frank Sollecito	MPWMD	3/27/18	471 Wave Street, Monterey CA
John V. Narigi	MPWMD Board	3/19/18	Item 13 on March 19, 2018, Adoption of Resolution 2018-05
Eric J. Sabolsice	MPWMD Board	3/19/18	March 19, 2018 Board Meeting Agenda Item 13, Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Michael Lauffer	David J Stoldt	3/19/18	MPWMD Item Concerning the Cal-Am CDO Condition 2
Hans Uslar	MPWMD	3/16/18	Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Clyde Roberson	MPWMD	3/16/18	Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 2009-0060
Luke Coletti	MPWMD Board	3/15/18	MPWMD Board meeting Agenda March 19, 2018 (Item 13 – Consider Adoption of Resolution 2018-05 Regarding SWRCB Order WR 20009-0060

 $U:\staff\Boardpacket\2018\20180416\LettersRecd.docx$



Monterey Peninsula Taxpayers Association PO Box 15 – Monterey – CA - 93942

April 6, 2018 VIA EMAIL (arlene@mpwmd.net)

Board of Directors Monterey Peninsula Water Management District PO Box 85 Monterey, CA 93942-0085 MPWMD

RECEIVED

Dear Monterey Peninsula Water Management District Directors:

As the District begins to plan for the upcoming year, the Board should not rely on proceeds from the District's Ordinance 152 charge or User Fee when approving the District's budget for fiscal year 2018-2019. The User Fee includes the fee described in Rule 64, e.g., the 8.325% monthly fee charged to water customers of California American Water (CalAm) and collected by CalAm for the District, but not at all related to water service provided by CalAm. Both the Ordinance 152 charge and User Fee appear to be taxes that violate California laws and our Constitution for not having received requisite voter approval.

A decision on the legality of the Ordinance 152 charge should be issued soon by the Sixth District Court of Appeal, which heard final arguments on February 27, 2018, in the case of *Monterey Peninsula Taxpayers' Association et al. v. Monterey Peninsula Water Management District et al.* (Case No. H042484). During oral argument, the District stated that the Ordinance 152 charge did not meet the requirements of Proposition 26, which indicates that the District too believes the Ordinance 152 charge is a tax.

The User Fee appears to suffer the same infirmities as the Ordinance 152 charge. If the Board believes the User Fee is not a tax, please provide documentation supporting this position by April 30, 2018.

Sincerely,

Richards J. Heuer III President Monterey Peninsula Taxpayers' Association

- cc: Ms. Brenda Lewis (lewis4water@gmail.com) Mr. Andrew Clarke (andympwmd@gmail.com) Ms. Molly Evans (water@mollyevans.org) Ms. Jeanne Byrne (jcbarchfaia@att.net) Mr. Robert Brower Sr. (rbrower136@gmail.com)
 - Mr. Ralph Rubio (rrubio@ci.seaside.ca.us)
 - Ms. Mary Adams (district5@co.monterey.ca.us)

BARNET SEGAL CHARITABLE TRUST

APR 0.3 2018

RECEIVED

March 28, 2018

Mr. Dave Stoldt General Manager Monterey Peninsula Water Management District 5 Harris Court, Building G P.O. Box 85 Monterey, California 93942

Dear Mr. Stoldt:

You know that protecting the environment is critical to our survival. We at the Barnet Segal Charitable Trust agree with you and want to assist you in 2018. In recognition of your work we offer the Monterey Peninsula Water Management District financial support for your steelhead protection program with the enclosed check for \$1,000.

Grants from the Barnet Segal Charitable Trust may only be used to benefit the people, of Monterey County. If you have any questions about the appropriate use of these funds we urge you to contact us.

We wish you a prosperous and fulfilling year.

Sincerely,

Stuart Berman

Trustee

redsley dsley William Brodsley

William Brodsley Trustee

BARNET SEGAL CHARITABLE TRUST P.O. BOX S-1 CARMEL, CA 93921 3/27/18

MPWMD

P.O. Box 85

Monterey, Ca. 93942-0085

Dear MPWMD Rep:

I am writing this letter in my capacity as a Director on the Board of the Cannery Row Antique Mall Owners Association located at 471 Wave Street Monterey. It has come to our attention that one of our owners has a project that they want to develop next to us at an address that has been quoted as 485 Wave, 453 Wave & 457 Wave. Regardless of the address we've been told that this member intends to use water credits from our business condominium at 471 Wave and our water meter. We as individual condominium owners find it hard to believe that we have any water credits to give. Furthermore, we can in no way approve the sharing of our meter, which the Association owns. Our business condominium is made up of numerous condo title owners, each of whom would appreciate a notification if and when someone tries to take control of our water meter.

Please keep this letter on file as a record of our associations response toward the aforementioned project, as it impacts our business condominiums.

Sincerely,

Frank Sollecito

Treasurer

Cannery Row Antique Mall Owners Association

831-915-5193

Coalition of Peninsula Businesses

A coalition of the Monterey County Hospitality Association, Monterey Commercial Property Owners' Association, Monterey Peninsula Chamber of Commerce, Carmel Chamber of Commerce, Pacific Grove Chamber of Commerce, Monterey County Association of Realtors, Community Hospital of the Monterey Peninsula, Pebble Beach Company, Associated General Contractors – Monterey District to resolve the Peninsula water challenge to comply with the CDO at a reasonable cost

March 19, 2018

Andrew Clark, Board Chair and Members, Board of Directors Dave Stoldt, General Manager Monterey Peninsula Water Management District 5 Harris Court, Building G Monterey, CA 93940

Transmitted by fax to 831-644-9558

RE: Item 13 on March 19, 2018, Adoption of Resolution 2018-05

Dear Mr. Clark and Mr. Stoldt:

The Coalition of Peninsula Businesses urges you to adopt Resolution 2018-05.

The Coalition has worked with Monterey Peninsula Water Management District (MPWMD) for almost two years to secure a reasonable interpretation of Cease and Desist Order Condition 2. The State Water Resource Control Board (SWRCB) ordered their staff to reach a reasonable interpretation with community leaders back in 2016. In spite of several meetings and phone conferences, which Coalition members participated in, SWRCB staff has still not acted.

It is time to confirm an interpretation of Condition 2 and eliminate confusion over its intent. MPWMD's interpretation has been successfully implemented historically with no increased pumping from the Carmel River. Recently the Monterey Bay Aquarium Education Center was allowed a favorable interpretation of Condition 2. Such a ruling was accepted by the SWRCB; others should not be penalized.

Please vote to adopt Resolution 2018-05; the Peninsula community has honored for years the water policies of MPWMD without creating excessive use, the language set forth in Resolution 2018-05 will allow MPWMD to reinstate their previous management practices without negative impact to the Carmel River.

Sincerely,

John V. Narigi, Chair Coalition of Peninsula Businesses

> OCEAN & MISSION• SUITE 201• P.O. BOX 223542 • CARMEL, CA • 93922 PHONE: 831-626-8636 • FAX: 831-626-4269 • EMAIL: <u>irbobmck@gmail.com</u> or badams@adcomm4.com



MAR 1 9 2018

RECEIVE

Eric J. Sabolsice Director, Operations Coastal Division 511 Forest Lodge Road, Suite 100 Pacific Grove, CA 93950 eric.sabolsice@amwater.com

P 831.646.3291 C 831.236.1011 F 831.375.4367

March 19, 2018

Via Hand Delivery and Email

Board of Directors	Mr. David Stoldt, General Manager
Monterey Peninsula Water Management	Monterey Peninsula Water Management
District	District
5 Harris Court, Bldg. G	5 Harris Court, Bldg. G
PO Box 85	PO Box 85
Monterey, CA 93940	Monterey, CA 93940

Re: March 19, 2018 Board Meeting Agenda Item 13, Consider Adoption of Resolution 2018 - 05 Regarding State Water Resources Control Board Order WR 2009-0060

Dear Directors Lewis, Clarke, Evans, Byrne, Brower, Rubio and Adams, and Mr. Stoldt:

California-American Water Company ("Cal Am") submits this letter in response to the Monterey Peninsula Water Management District's ("MPWMD" or the "District") proposal to adopt Resolution 2018-05, listed as Agenda Item 13 on the District's March 19, 2018 Board Meeting Agenda. Proposed Resolution 2018-05 concerns the interpretation of Condition 2 of the State Water Resources Control Board's ("SWRCB") Cease and Desist Order 2009-0060 (the "CDO"), issued to Cal Am on October 20, 2009. CDO Condition 2 states that "Cal-Am shall not divert water from the Carmel River for new service connections or for any increased use of water at existing service addresses resulting from a change in zoning or use."

According to the Agenda Report, the purpose of Proposed Resolution 2018-05 is to "provide formal guidance to Cal-Am and the local jurisdictions on how to interpret Condition 2 consistent with District Rules and Regulations." Indeed, the Proposed Resolution expressly directs Cal Am to apply the District's proposed interpretation of CDO Condition 2, and states:

For purposes of Cal-Am or any Jurisdiction interpreting Condition 2, the phrase "any increased use of water at existing service addresses" shall mean increased capacity for use at an existing residential or non-residential site in excess of the pre-project capacity for use, adjusted for credit from water saved on a site, and/or a debit to a jurisdiction's allocation of water, and/or use of a water entitlement as permitted and authorized by the Monterey Peninsula Water Management District under its Rules and Regulations and determined either by using MPWMD fixture unit methodology to determine residential water use, or MPWMD water use factors for determining non-residential water use.

The Proposed Resolution appears contrary to an interpretation of CDO Condition 2 issued by SWRCB staff by letter dated April 9, 2012, and places Cal Am in a very difficult position with both the California Public Utilities Commission ("CPUC") and the SWRCB as Cal Am attempts to comply with the CDO. The Proposed Resolution also jeopardizes the conditions upon which the SWRCB authorized Cal Am to continue its diversions from the Carmel River pending completion of the Monterey Peninsula Water Supply Project. Cal Am risks substantial fines and potentially an injunction restricting Cal Am's diversions by more than 5,000 acre feet per year if it fails to

comply with the terms of the CDO; such a result would have a catastrophic effect on the Monterey Peninsula.

Following issuance of the CDO, on March 28, 2011 the CPUC issued Decision D-11-03-048 ordering Cal Am to recognize Condition 2 of the CDO through modified tariffs, and include in its tariffs a special condition incorporating the moratorium ordered by the SWRCB. (D.11-03-048, p. 49.) The CPUC's decision requires Cal Am to deny requests for new service connections and prohibit any increased use of water at existing service addresses resulting from a change in zoning or use. The CPUC's decision also ordered Cal Am to confer with the District, and then consult with the SWRCB to develop a workable protocol for determining the past use baseline as well as measuring increase in water use. Specifically, the decision ordered Cal Am to ask the SWRCB for written guidance "with respect to any unresolved issues of interpretation or implementation concerning Condition 2 of WR 2009-0060, including pertaining to requests by holders of water credits and entitlements from" the District. (D.11-030048, p. 51).

On November 29, 2011, in light of the CPUC's order, Cal Am sought clarification from the SWRCB concerning, among other things, determining a past use baseline. On April 9, 2012, the SWRCB's Deputy Director of Water Rights provided the SWRCB's response:

The State Water Board agrees to meet and discuss this matter. The potential for property owners to artificially increase water use to obtain a higher historical water use baseline is of concern. Until a determination to the contrary is made, the State Water Board will determine the baseline for past water use based on the lessor of the actual average metered annual water use for a water year from the last five years' of records, or the amount calculated from the fixture unit count.

Cal Am understands the District's frustration with the SWRCB's interpretation of Condition 2 of the 2009 CDO, and has been meeting with SWRCB staff along with the District to achieve an interpretation of Condition 2 that better aligns with the District's regulations. Cal Am does not believe that the issue has been finally resolved; nevertheless, the SWRCB has not yet issued any revisions to its position concerning baseline water use. We fully intend to continue to work with the District and the SWRCB within the requirements of the law to reach a resolution satisfactory to all parties. However, compliance with the Proposed Resolution could put Cal Am in the position of risking the water supply security that the community has achieved under the CDO and SWRCB Order 2016-0016 (extending to 2021 the deadline for reducing Carmel River diversions).

Cal Am urges the District's Board of Directors to table this Proposed Resolution at this time until it can obtain certainty from the SWRCB that Cal Am's compliance with the Resolution will not jeopardize the water supply of the Monterey Peninsula.

Sincerely,

Eric J. Sabolsice Director, Operations – Coastal Division California-American Water Company

Dave Stoldt

From: Sent:	Lauffer, Michael@Waterboards <michael.lauffer@waterboards.ca.gov> Monday, March 19, 2018 3:33 PM</michael.lauffer@waterboards.ca.gov>	
To: Subject:	Dave Stoldt; dave@laredolaw.net MPWMD Item Concerning the Cal-AM CDO Condition 2	

Dear Messrs. Stoldt and Laredo:

Over the weekend, the State Water Resources Control Board (State Water Board) received information from third parties that the Monterey Peninsula Water Management District (MPWMD) has before it this evening a resolution that would adopt an interpretation of State Water Board Order WR 2009-0060, Condition 2. The proffered interpretation is contrary to two interpretive letters on the matter issued by the State Water Board on April 9, 2012 and May 31, 2013. As you are aware, there have been stalled conversations regarding the potential to change the interpretation, but neither State Water Board staff nor the Board itself has indicated willingness to adopt either the credit/debit system or to substitute an interpretation of "capacity for use" as a baseline against which to measure increases, as opposed to the measurement of actual use. The formal interpretation letters of April 9, 2012 and May 31, 2013 specifically reject these interpretations.

I am gravely concerned that the MPWMD is going forward unilaterally with an agendized item interpreting an order issued by the State Water Board, contrary to prior interpretations by the Board, and without notifying the State Water Board or attempting to bring final closure to a common interpretation. Cementing the MPWMD's interpretation may stoke further confusion regarding whether water is available for new or increased uses on the peninsula, and lead to potential, needless, future conflict between the agencies. I encourage the MPWMD to withdraw the item from tonight's agenda so staff of the two agencies can attempt to resolve the issues.

-mami



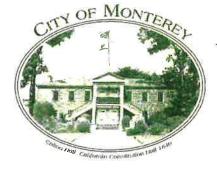
MICHAEL A.M. LAUFFER, CHIEF COUNSEL STATE WATER RESOURCES CONTROL BOARD 1001 I STREET, 22ND FLOOR SACRAMENTO, CA 95814-2828

PHONE: 916.341.5183 FACSIMILE: 916.341.5199 michael.lauffer@waterboards.ca.gov



For tips on what you can do to save water, visit http://saveourwater.com/

Received by Email on 3/16/18



Mayor: CLYDE ROBERSON

Counclimembers: TIMOTHY BARRETT DAN ALBERT ALAN HAFFA ED SMITH

City Manager: MICHAEL MCCARTHY March 16, 2018

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

RE: Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding State Water Resources Control Board Order WR 2009-0060

Dear Board Members:

The Monterey Peninsula Water Management District (MPWMD) partners with local jurisdictions, including the City of Monterey, to create a consistent permitting framework for water supply. This permit system is essential to the City conducting its day to day business. For example, a restaurant may close and the building may be re-purposed into ground floor retail and an apartment on the second story. The existing rules and permit system clearly establish how these changes occur. The City fully supports this current framework and the rules and regulations that establish it. Most importantly, the District rules have resulted in almost 3,000 acre feet reduction in water use since the Cease and Desist Order was issued. We are proud of what we have accomplished!

One complicating factor is the possible interpretation of the Cease and Desist Order Condition 2. I support the Monterey Peninsula Water Management District's approach as outlined in the proposed resolution. The concept of relying on actual billed water use does not allow for the regular changes that occur to building uses overtime.

It is important that the region's water permitting rules and regulations continue to be followed in a consistent manner.

Sincerely,

Hans Uslar Interim City Manager



RECEIVED APR 0 2 2018 MPWMD

Mayor: CLYDE ROBERSON

Councilmembers: TIMOTHY BARRETT DAN ALBERT ALAN HAFFA ED SMITH

City Manager: MICHAEL McCARTHY March 16, 2018

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

RE: Agenda Item #13 Consider Adoption of Resolution 2018-05 Regarding State Water Resources Control Board Order WR 2009-0060

Dear Board Members:

The Monterey Peninsula Water Management District (MPWMD) partners with local jurisdictions, including the City of Monterey, to create a consistent permitting framework for water supply. This permit system is essential to the City conducting its day to day business. For example, a restaurant may close and the building may be re-purposed into ground floor retail and an apartment on the second story. The existing rules and permit system clearly establish how these changes occur. The City fully supports this current framework and the rules and regulations that establish it. Most importantly, the District rules have resulted in almost 3,000 acre feet reduction in water use since the Cease and Desist Order was issued. We are proud of what we have accomplished!

One complicating factor is the possible interpretation of the Cease and Desist Order Condition 2. I support the Monterey Peninsula Water Management District's approach as outlined in the proposed resolution. The concept of relying on actual billed water use does not allow for the regular changes that occur to building uses overtime.

It is important that the region's water permitting rules and regulations continue to be followed in a consistent manner.

Sincerely,

Clyde Roberson Mayor

Re: MPWMD-Board-Meeting-Agenda-March-19-2018 (Item 13 - Consider Adoption of ... Page 1 of 8

Submitted by Luke Coletti, 3/15/18 51

Re: MPWMD-Board-Meeting-Agenda-March-19-2018 (Item 13 -Consider Adoption of Resolution 2018-05 Regarding State Water Resources Control Board Order WR 2009-0060)



Luke Coletti

Thu 3/15, 2:06 PM

Reply all

lewis4water@gmail.com; andympwmd@gmail.com; water@mollyevan+13 more

Label: 120 Day Delete (4 months) Expires: 7/13/2018 2:06 PM



Download Save to OneDrive - Monterey Peninsula Water Management District

MPWMD Board Members,

The attached screenshot clearly indicates that the two SWRCB guidance letters, regarding the interpretation of CDO Condition 2, are not available to the public (your constituents) via the District's website (see link below). Indeed, I have followed this issue for years and they have *never* been made available to the public.

http://www.mpwmd.net/CDO/FinalCDOPage.htm http://www.mpwmd.net/resources/document-library/

Thank you for your consideration,

Luke Coletti Pacific Grove

On 3/15/18 1:04 PM, Luke Coletti wrote:

Final Order 2016-0016 Issued by the State Water Resources Control Board on July 19, 2016 - Amending Order WR-2009-0060

and

Final Cease and Desist Order WR 2009-0060 Issued on October 20, 2009

Updated 8/30/2016

nal Order WR 2016-0016 - CDO Extension/Modification - Issued July 19, 2016

July 19, 2016 Order WR 2016-0016 - Order Amending in Part Requirements of State Water Board Order WR 2009-0060

May 20, 2016 Letter from the Public Utilities Commission Expressing Support for the Application to Modify

April 28. 2016 Amended Application to Modify the State Water Resources' Control Board Order 2009-0060 to Extend the Deadline to Terminate all Unlawful Diversions from the Carmel River from December 31, 2016 to December 31, 2021.

nal Order WR 2009-0060 Issued October 20, 2009

Feb 2, 2011, 3:00 PM -- Frequently Asked Questions and Answers about the Cease and Desist Order

California Public Utilities Commission - Decision 11-03-048 - Moratorium in Monterey Division

March 28, 2011 Final Decision of CPUC Directing Tariff Modifications to Recognize Moratorium Mandated by State Water Resources Control Board

May 27, 2010 Amended Application of California-American Water Company to CPUC for an Order Authorizing and Imposing a Moratorium on Certain New or Expanded Water Service Connections in its Monterey District

May 2010 Application of California American Water Company to CPUC for an Order Authorizing and Imposing a Moratorium on Certain New or Expanded Water Service Connections in its Monterey District

April 23, 2010 Declaration of Darby Fuerst Delaying Implementation of Stage 5 Water Rationing

April 22, 2010 Press Release - Court Lifts Stay on SWRCB Cease and Desist Order - Restrictions Are Now in Effect

November 24, 2009 Press Release - Court Confirms Stay of SWRCB Order 2009-0060

November 2, 2009 Court Order Granting a Stay of Order 2009-0060

November 2, 2009 Declaration of Darby Fuerat Delaying Implementation of Stage 5 Water Rationing

October 27, 2009 Verified Petition for Writ of Mandamus and Complaint for Declaratory and Injunctive Relief; and Request for Stay

Final Order WR 2009-0060 dated October 20, 2009 http://www.swrcb.ca.gov/waterrights/board_decisions/adopted_orders/orders/2009/wro2009_0060.pdf

aft Orders issued in 2008 and 2009

MPWMD September 30, 2009 Letter to SWRCB - Comments on September 2009 Revised Draft Order

Revised Draft Order issued September 2009 - http://www.waterboards.ca.gov/waterrights/water_issues/programs /hearings/caw_cdo/docs/revdraftorder091609.pdf

MPW/MD August 26, 2009 Letter to SWRCB - Comments on January 2009 Draft Order

Draft Order Issued January 2008 and all documents posted to the proceeding dating back to January 2008 http://www.waterboards.ca.gov/waterrights/water_issues/programs/hearings/caw_cdo

MPWMD Board Members,

I am asking you to carefully review the proposed resolution (links below) that asks you to willfully defy Condition 2 of Water Rights Order 2009-0060 (Cal-Am CDO). I have alerted the State Water Resources Control Board as well (attached correspondence, below).

http://www.mpwmd.net/asd/board/boardpacket/2018/20180319/13/Item-13.htm http://www.mpwmd.net/asd/board/boardpacket/2018/20180319/13/Item-13-Exh-A.pdf

Public comments (including those from MPWMD) regarding Condition 2 can be found on the SWRCB website (see link below).

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/

Here is a list of my own comment letters:

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/docs/coletti 011717.pdf

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/docs/coletti 032717.pdf

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/docs/coletti 041917.pdf

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/docs/coletti 08142017.pdf

Mr Stoldt is being particularly disingenuous in Finding #8 of the proposed resolution, where he claims:

"SWRCB board members, expressed concern that the SWRCB staff interpretive letter of April 9, 2012 was not in the public record and had not been subject to any public review or hearing process."

This is a complete fabrication. Instead, the Deputy Director of Water Rights, Barbara Evoy, stated that the District had long known about the State's interpretation of Condition 2. Perhaps Mr Stoldt can explain why the SWRCB's guidance letters and CPUC's decision (see links below) have *never* been presented to the public (your constituents) via the District's website! The fact is your General Manager has intentionally withheld information from the public in an attempt to manipulate the interpretation of Condition 2.

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri can water company/docs/swrcb040912resp.pdf

https://www.waterboards.ca.gov/waterrights/water issues/projects/california ameri

can water company/docs/swrcb053113resp.PDF http://docs.cpuc.ca.gov/PublishedDocs/WORD PDF/FINAL DECISION/134272.PDF

At the July 19, 2016, SWRCB meeting Chair Marcus stated that she didn't want to see Condition 2 go away and that it was not an unusual enforcement tool. She also stated that Condition 2 was "meant to be inconvenient", especially in the context of an ongoing violation spanning over 20 years! Board Member Moore also acknowledged the importance of maintaining Condition 2, which focuses the community on working together. I urge all of you to view the video of the July 19, 2016, SWRCB meeting (board discussion, link below) and see if you come to the same conclusions as those found in Mr Stoldt's resolution, which you are being asked to adopt.

https://www.youtube.com/watch?v=5siv6fyT4rU

Please include a copy of this letter in the board packet and thank you for your consideration.

Luke Coletti Pacific Grove

54

----- Forwarded Message ------

Subject:Re: Potential Non-Compliance with SWRCB Funding Condition 4b for the Pacific Grove Local Water Project (CWSRF Agreement Number D15-01021; Project Number C-06-8026-110). Date:Thu, 15 Mar 2018 09:53:41 -0700 From:Luke Coletti <lic@groknet.net> To:Dave Stoldt <dstoldt@mpwmd.net> CC:Eileen.Sobeck@waterboards.ca.gov <Eileen.Sobeck@waterboards.ca.gov>, Michael.Lauffer@waterboards.ca.gov <Michael.Lauffer@waterboards.ca.gov>, Jonathan.Bishop@Waterboards.ca.gov <Jonathan.Bishop@Waterboards.ca.gov>, Erik, Ekdahl@waterboards.ca.gov, Brian.Coats@waterboards.ca.gov <Brian.Coats@waterboards.ca.gov>, Marianna.Aue@waterboards.ca.gov <Marianna.Aue@waterboards.ca.gov>, Harvey.Packard@waterboards.ca.gov <Harvey.Packard@waterboards.ca.gov>, Carl, Dan@Coastal <dan.carl@coastal.ca.gov>, Craig, Susan@Coastal <susan.craig@coastal.ca.gov>, Kahn, Kevin@Coastal <Kevin.Kahn@coastal.ca.gov>, O'Neill, Brian@Coastal <Brian.O'Neill@coastal.ca.gov>, Eric.Sabolsice@amwater.com

Re: MPWMD-Board-Meeting-Agenda-March-19-2018 (Item 13 - Consider Adoption of ... Page 4 of 8

<Eric.Sabolsice@amwater.com>, Richard.Svindland@amwater.com <Richard.Svindland@amwater.com>, David Laredo <dave@laredolaw.net>

Mr Stoldt,

In my Nov 15, 2017, e-mail to you (below), I mentioned that " you intend follow your own interpretation" of Condition 2 of SWRCB WRO 2 009-0060. Now, based your proposed District Resolution (links below) th is is exactly what you intend to do.

http://www.mpwmd.net/asd/board/boardpacket/2018/20180319/13/I tem-13.htm http://www.mpwmd.net/asd/board/boardpacket/2018/20180319/13/I tem-13-Exh-A.pdf

Having failed to convince the SWRCB that the District's inter pretation of Condition 2 has merits (see link below), the District now appears ready to willfully oppose the SWRCB's interpretation of Condi tion 2.

https://www.waterboards.ca.gov/waterrights/water issues/proje cts/california american water company/

How exactly does the District's proposed action "respect the language of both documents"?

Thank you for your consideration,

Luke Coletti Pacific Grove, CA

On 11/15/17 1:10 PM, Luke Coletti wrote: > > Mr Stoldt, > When you say the District "intends to respect the language of both > documents" I hope that doesn't mean you intend to follow yo ur own > interpretation of these documents, which you have previousl y described > to me and which appear to be in conflict with the Board's i ntent. As I

```
> mentioned in my previous e-mail, the Board's intent and dir
ection are
> clearly described in the video of their Nov 17, 2015 board
meeting
> (link below), where funding for this project was approved.
>
> https://www.youtube.com/watch?v=m5Eq4DJaiYs
>
> Lastly, my previous comments were hardly inflammatory. Inst
ead, they
> are fact-based comments from a concerned citizen regarding
the public
> record.
>
> Thank you for your consideration,
>
> Luke Coletti
>
> Pacfic Grove
>
>
> On 11/14/17 3:16 PM, Dave Stoldt wrote:
>> Mr. Coletti,
>>
>> Kindly refrain from future use of such inflammatory langua
qe. The
>> District is well aware of the findings and conditions of t
he City's
>> State Revolving Fund loan, as well as the actual language
in the
>> original cease and desist order. We intend to respect the
language
>> of both documents.
>>
>> Regards,
>>
>>
>> David J. Stoldt
>> General Manager
>> Monterey Peninsula Water Management District
>> 5 Harris Court - Bldg G
>> Monterey, CA 93940
>>
>> 831.658.5651
>>
>>
>>
>> -----Original Message-----
>> From: Luke Coletti [mailto:ljc@groknet.net]
>> Sent: Tuesday, November 14, 2017 2:47 PM
>> To: Dave Stoldt <dstoldt@mpwmd.net>
>> Cc: Eileen.Sobeck@waterboards.ca.gov;
```

```
>> Michael.Lauffer@waterboards.ca.gov;
```

Re: MPWMD-Board-Meeting-Agenda-March-19-2018 (Item 13 - Consider Adoption of ... Page 6 of 8

57

>> Jonathan.Bishop@Waterboards.ca.gov; Les.Grober@waterboards .ca.gov; >> Brian.Coats@waterboards.ca.gov; Marianna.Aue@waterboards.c a.gov; >> Harvey.Packard@waterboards.ca.gov; Carl, Dan@Coastal >> <dan.carl@coastal.ca.gov>; Craig, Susan@Coastal >> <susan.craig@coastal.ca.gov>; Kahn, Kevin@Coastal >> <Kevin.Kahn@coastal.ca.gov>; O'Neill, Brian@Coastal >> <Brian.O'Neill@coastal.ca.gov>; Eric.Sabolsice@amwater.com >> Richard.Svindland@amwater.com; David Laredo <dave@laredola w.net> >> Subject: Potential Non-Compliance with SWRCB Funding Condi tion 4b for >> the Pacific Grove Local Water Project (CWSRF Agreement Num ber >> D15-01021; Project Number C-06-8026-110). >> >> >> Mr Stoldt, >> >> As part of funding the Pacific Grove Local Water Project (PGLWP) the >> SWRCB attached condition 4b (see SWRCB Res 2015-0070, link below) >> which, in part, states: "The City...shall use the ensuing demand >> reductions to offset deliveries from Cal-Am until such tim e as the >> City receives consent from the State Water Board's Executi ve Director". >> >> https://www.waterboards.ca.gov/board decisions/adopted ord ers/resolutions/2015/rs2015 0070.pdf >> >> >> Based on the revised minutes for the District's Sept 19, 2 017 Water >> Supply Planning Committee Meeting (text and link below), b oth Pacific >> Grove and the District are considering breaking faith with this >> condition, which is also reflected in SWRCB WRO 2016-0016. see CDO >> Condition 8d. The minutes mention the following: >> >> "The Pacific Grove Local Water Project should begin operat ion in >> October 2017. The goal was to obtain final permits within 45 days of >> operation, after which the City plans to petition the Dist rict for >> use of the Pacific Grove Water Entitlement established by

58

MPWMD >> Ordinance No. 168." >> >> http://www.mpwmd.net/asd/board/committees/watersupply/2017 /20171114/01/Item-1-Exh-A.pdf >> >> >> MPWMD Ordinance 168, adopted in Jan, 2016, grants Pacific Grove a 66 >> AF entitlement based on the anticipated potable water bein g "freed >> up" by this state funded project. The District also gifted itself a >> 9AF allotment (see link below). >> >> http://www.mpwmd.net/ordinances/final/ord168/Ordinance-168 .pdf >> >> You are certainly free to defy the SWRCB but it seems to m e you risk >> the possibility of making matters worse for this project. For >> example, the SWRCB could place restrictions on the plant's waste >> discharge requirements permits (production and distributio n) and >> possibly even shut the plant down based on non-compliance. Further, >> the California Coastal Commission (CCC) could revoke the c ity's >> Coastal Development Permit Waiver, which was based, in par t, on the >> city's explicit promise to dedicate all of the saved potab le water >> (125 AFA) towards the river (see CDP application, attached PDF). The >> CCC would then likely require the city to apply for a full CDP, which >> would highlight the project's explicit promise to provide a potable >> water offset to assist California American Water in reduci ng system >> pumping from the Carmel River, as required by SWRCB WRO 20 09-0060 & >> 2016-0016. >>>> State agencies typically cooperate with one another and in this case >> could force Pacific Grove and the District into compliance . The >> city's last performance before the CCC (failure to comply with a >> coastal armoring permit) was anything but pleasant for all

Re: MPWMD-Board-Meeting-Agenda-March-19-2018 (Item 13 - Consider Adoption of ... Page 8 of 8

59

concerned. >> Why is the District willfully encouraging Pacific Grove in to further >> non-compliance with state ordered conditions? >> >> If you review the video of the Nov 17, 2015 SWRCB meeting (link >> below), where funding for this project was approved, I bel ieve you >> will immediately understand the Board's descision and also Pacific >> Grove's willingness to accept the conditions placed on the project. >> >> https://www.youtube.com/watch?v=m5Eg4DJaiYs >> >> Apparently, the city feels they're not obligated to honor their >> promises after having received all of the state money for this >> project. I am deeply disappointed with this deceptive and cynical >> strategy. >> >> >> Thank you for your consideration, >> >> Luke Coletti >> Pacific Grove