

This meeting has been noticed according to the Brown Act rules. The Board of Directors meets regularly on the third Monday of each month, except in January and February. The meetings begin at 7:00 PM.



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

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**Monday, June 19, 2017, 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, June 16, 2017.

*The 7:00 PM Meeting will be televised on Comcast Channels 25 & 28. Refer to broadcast schedule on page 2.*

**CALL TO ORDER/ROLL CALL**

**PLEDGE OF ALLEGIANCE**

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

**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.

1. Consider Adoption of Minutes of the May 15, 2017 Regular Board Meeting
2. Consider Approval of Committee Assignments
3. Consider Expenditure of Funds for a California Department of Fish and Wildlife Permit Application Fee for the Phase 2 Aquifer Storage and Recovery Project
4. Consider Approval of Contract with CSUMB for Carmel River Cross Section Survey and Large Wood Inventory

**Board of Directors**

Robert S. Brower, Sr., Chair – Division 5  
Andrew Clarke, Vice Chair – Division 2  
Brenda Lewis – Division 1  
Molly Evans – Division 3  
Jeanne Byrne – Division 4  
Ralph Rubio, Mayoral Representative  
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 Thursday, June 15, 2017. Staff reports regarding these agenda items will be available for public review on 6/15/2017, at the District office and at the Carmel, Carmel Valley, Monterey, Pacific Grove and Seaside libraries. After staff reports have been distributed, if additional documents are produced by the District and provided to a majority of the Board regarding any item on the agenda, they will be available at the District office during normal business hours, and posted on the District website at [www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/](http://www.mpwmd.net/who-we-are/board-of-directors/bod-meeting-agendas-calendar/). Documents distributed at the meeting will be made available in the same manner. The next regular meeting of the Board of Directors is scheduled for July 17, 2017 at 7 pm.

5. Consider Approval of Contract with Balance Hydrologics, Inc. for Design of Lower San Carlos Restoration Project
6. Consider Approval of Amendment No. 1 to Agreement with Regional Government Services Authority for Management and Administrative Services
7. Consider Expenditure to Contract for a Limited-Term Project Manager in the Planning and Engineering Division During FY 2016-2017
8. Consider Expenditure for Temporary Agency Employee to Assist with Data Migration During FY 2017-18
9. Consider Approval of Agreement with Lynx Technologies for Geographic Information System (GIS) Services
10. Consider Approval of Contract with Towill Inc. for Annual Aerial Photography of the Carmel River
11. Authorize Funds to Contract for Limited-Term Field Positions during FY 2017-2018
12. Consider Renewal of Standard License Agreement With CoreLogic Information Solutions, Inc.
13. Consider Continuance of Contract with Zone 24x7 for Water Demand Database Improvements and Maintenance
14. Consider Amendment to Contract with Pueblo Water Resources to Provide Hydrogeologic Review for Water Distribution System Permits
15. Consider Authorizing CLA-VAL Western Regional Service to Proceed with Annual Maintenance and Servicing of Valves at the Santa Margarita and Seaside Middle School Aquifer Storage and Recovery Facilities
16. Consider Contract for District Public Outreach and Communications Services with TBC Communications and Media for Fiscal Year 2017-2018
17. Consider Authorization to Contract with Hayashi & Wayland to Conduct Annual Financial Audit for Fiscal Year Ending 2017, 2018, and 2019
18. Consider Adoption of Resolution 2017-07 Certifying Compliance with State Law with Respect to the Levying of General and Special Taxes, Assessments, and Property-Related Fees and Charges
19. Consider Adoption of Resolution 2017-10 Establishing Article XIII(B) Fiscal Year 2017-18 Appropriations Limit
20. Consider Adoption of Resolution 2017-11 Update to Rule 24, Table 3, Capacity Fee History
21. Consider Adoption of Resolution 2017-12 Amending Fees and Charges Table – Rule 60
22. Consider Adoption of Treasurer's Report for April 2017
23. Receive 2016 Monterey Peninsula Water Conservation Program Annual Report

#### **GENERAL MANAGER'S REPORT**

24. Status Report on California American Water Compliance with State Water Resources Control Board Order 2016-0016 and Seaside Groundwater Basin Adjudication Decision
25. Update on Development of Water Supply Projects
26. Report on Status of Non-Revenue Water Sales

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

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

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

#### **28. Consider Adoption of July through September 2017 Quarterly Water Supply Strategy and Budget**

*Action: The Board will consider approval of a proposed production strategy for the California American Water Distribution Systems for the three-month period of July through September 2017. The strategy sets monthly goals for surface and groundwater production from various sources within the California American Water systems.*

#### **29. Consider Adoption of Proposed FY 2017-18 MPWMD Budget and Resolution 2017-09**

*Action: The Board will consider adoption of the Fiscal Year 2017-18 MPWMD Budget and the corresponding resolution that would confirm their action.*

**ACTION ITEMS** – No Action Items were submitted for consideration by the Board of Directors

**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.

30. Letters Received Supplemental Letter Packet
31. Committee Reports
32. Monthly Allocation Report
33. Water Conservation Program Report
34. Carmel River Fishery Report for May 2017
35. Monthly Water Supply and California American Water Production Report

**ADJOURNMENT**

Board Meeting Broadcast Schedule – Comcast Channels 25 & 28	
View Live Webcast at <a href="http://Ampmedia.org">Ampmedia.org</a>	
Ch. 25, Mondays, 7 PM	Monterey
Ch. 25, Mondays, 7 PM	Monterey, Del Rey Oaks, Pacific Grove, 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 Meetings			
Monday, July 17, 2017	Regular Board Meeting	7:00 pm	District conference room
Monday, August 21, 2017	Regular Board Meeting	7:00 pm	District conference room
Monday, Sept. 18, 2017	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, June 15, 2017. 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.





**ITEM: CONSENT CALENDAR****1. CONSIDER ADOPTION OF MINUTES OF THE MAY 15, 2017 REGULAR BOARD MEETING****Meeting Date: June 19, 2017** **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.**

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**SUMMARY:** Attached as **Exhibit 1-A** are draft minutes of the May 15, 2017 Regular meeting of the Board of Directors.**RECOMMENDATION:** District staff recommends approval of the minutes with adoption of the Consent Calendar.**EXHIBIT****1-A** Draft Minutes of the May 15, 2017 Regular Meeting of the Board of Directors





## **EXHIBIT 1-A**

DRAFT MINUTES  
**Regular Meeting**  
**Board of Directors**  
**Monterey Peninsula Water Management District**  
*May 15, 2017*

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

### **CALL TO ORDER/ROLL CALL**

*Directors Present:*

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

*Directors Absent: All present.*

*General Manager present:* David J. Stoldt

*District Counsel present:* David Laredo

The assembly recited the Pledge of Allegiance.

### **PLEDGE OF ALLEGIANCE**

The Oath of Office was administered to Ralph Rubio.

### **ADMINISTER OATH OF OFFICE TO RALPH RUBIO, MAYORAL CITY SELECTION COMMITTEE APPOINTEE TO THE BOARD OF DIRECTORS**

No changes.

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

George Riley recommended that the Water Management District anticipate an increase in water use when developing future water-use projections. According to Riley, some local California American Water customers are unhappy that their rates have increased to cover the cost of water that was not sold due to conservation. These customers may increase water consumption reasoning that they must pay for the water whether they use it or conserve.

### **ORAL COMMUNICATIONS**

Adams offered a motion that was seconded by Byrne, to adopt the Consent Calendar except for items 3 and 5 that were pulled for separate consideration. The motion was approved on a vote of 7 – 0 by Adams, Byrne, Brower, Clarke, Evans, Lewis and Rubio.

### **CONSENT CALENDAR**

Adopted.

Approved a contract for a not-to-exceed amount of \$20,000.

On a motion by Rubio and second of Clarke, the Board approved the contract amendment in the amount of \$9,000 on a vote of 7 – 0 by Rubio, Clarke, Adams, Brower, Byrne, Evans and Lewis.

Approved.

On a motion by Adams and second of Evans, the Board approved the changes on a vote of 7 – 0 by Adams, Evans, Brower, Byrne, Clarke, Lewis and Rubio.

Approved a rebate of \$20,000.

Adopted.

Adopted.

Approved.

Stoldt reported on the May 5, 2017 groundbreaking ceremony for the Pure Water Monterey Project. He presented photos of the event that can be reviewed on the Water Management District's website and at the agency office.

General Manager Stoldt's presentation is available for review on the Water Management District's website and at the agency office. He stated that Aquifer Storage and Recovery production may reach 2,392 acre-feet by the end of May, based on the average injection rate of 13 acre-feet per day.

General Manager Stoldt's presentation is available for review on the Water Management District's website and at the agency office. Stoldt noted that water production in Water Year 2017 was 9,497 acre-feet, which was lower than recorded in water year 2016, so it was not likely that water rationing would be implemented. Stoldt announced that rainfall was recorded at 158 percent of long-term average;

1. **Consider Adoption of Minutes of the April 19, 2017 Special Board Meeting**
2. **Consider Contract with CSUMB for Bathymetric Survey at Los Padres Dam**
3. **Consider Authorizing a Contract Amendment with Denise Duffy & Associates, Inc. for Services Related to the Monterey Pipeline**
4. **Declaration of Surplus Assets**
5. **Consider Converting the Office Specialist II Position to Accounting/Office Specialist and Title Change of Office Services Supervisor to Senior Office Specialist**
6. **Consider Request for Rebate at the Asilomar Conference Grounds for a Laundry Water Recycling System**
7. **Consider Adoption of Treasurer's Report for March 2017**
8. **Receive and File Third Quarter Financial Activity Report for Fiscal Year 2016-17**
9. **Consider Approval of Third Quarter Fiscal Year 2016-17 Investment Report**

#### **GENERAL MANAGER'S REPORT**

10. **Report on Record Water Production Achieved by Aquifer Storage and Recovery Project**
11. **Status Report on California American Water Compliance with State Water Resources Control Board Order 2009-0060 and Seaside Groundwater Basin Adjudication Decision**

streamflow was measured at 299% of long-term average, and storage was measured at 101% of long-term average. Director Lewis requested that Stoldt provide regular reports on non-revenue water totals reported by California American Water.

Director Adams thanked General Manager Stoldt for attending a community meeting in Paso Hondo that was focused on responding to property owners about flooding that occurred in that area.

Byrne offered a motion that was seconded by Evans, to approve a contact in the amount of \$9,000 to conduct a survey of the Carmel River Channel. The motion was approved on a vote of 7 – 0 by Directors Byrne, Evans, Adams, Brower, Clarke, Lewis and Rubio. No comments were directed to the Board during the public comment period on this item.

On a motion by Evans and second of Byrne, the Water Supply Forecast was adopted along with Resolution 2017-08 on a vote of 7 – 0 by Evans, Byrne, Adams, Brower, Clarke, Lewis and Rubio. No comments were directed to the Board during the public comment period on this item.

Suresh Prasad, Administrative Services Manager/Chief Financial Officer, presented a summary of the draft Fiscal Year 2017-2018 MPWMD Budget and responded to questions from the Board of Directors. No comments were directed to the Board during the public comment period on this item.

There was no discussion of the Informational Items/Staff Reports.

The meeting was adjourned at 8:25 pm.

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

#### **12. Oral Reports on Activities of County, Cities, Other Agencies/Committees/ Associations**

#### **ACTION ITEMS**

#### **13. Consider Contract Amendment with Whitson Engineers to Conduct a Survey of the Carmel River Channel**

#### **14. Receive and Confirm Water Supply Forecast for Period of May 1, 2017 -- September 30, 2018 -- Adopt Resolution 2017-08 to Amend Rationing Table (XV-4)**

#### **DISCUSSION ITEMS**

#### **15. Review Proposed Fiscal Year 2017-2018 MPWMD Budget and Resolution 2017-09**

#### **INFORMATIONAL ITEMS/STAFF REPORTS**

- 16. Letters Received**
- 17. Committee Report**
- 18. Monthly Allocation Report**
- 19. Water Conservation Program Report**
- 20. Carmel River Fishery Report for April 2017**
- 21. Monthly Water Supply and California American Water Production Report for January 2017**

#### **ADJOURNMENT**



**ITEM: CONSENT CALENDAR****2. CONSIDER APPROVAL OF COMMITTEE ASSIGNMENTS****Meeting Date: June 19, 2017** **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.**

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**SUMMARY:** An amended list of committee assignments for the remainder of calendar year 2017 is attached as **Exhibit 2-A**. Committee membership was reconfigured to include Ralph Rubio. He joined the Board on May 15, 2017 to replace David Pendergrass who retired in April 2017.

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

**RECOMMENDATION:** Ratify appointments as presented or modify them by motion.

**EXHIBIT****2-A** Committee assignments for the remainder of calendar year 2017





**EXHIBIT 2-A****Proposed Committee Assignments for the Remainder of 2017**

<b>BOARD COMMITTEES</b>	
Administrative Committee	Brenda Lewis – Chair Andrew Clarke Jeanne Byrne <i>Molly Evans, Alternate</i>
Public Outreach/Communications	Molly Evans - Chair Brenda Lewis Jeanne Byrne <i>Andrew Clarke, Alternate</i>
Rules and Regulations Review	Mary Adams – Chair Andrew Clarke Open <i>Jeanne Byrne, Alternate</i>
Water Demand	Molly Evans – Chair Andrew Clarke Jeanne Byrne <i>Brenda Lewis, Alternate</i>
Legislative Advocacy	Andrew Clarke - Chair Bob Brower Molly Evans <i>Mary Adams, Alternate</i>
Water Supply Planning	Bob Brower – Chair Jeanne Byrne Ralph Rubio <i>Andrew Clarke, Alternate</i>
<b>OUTSIDE AGENCIES/LIAISONS</b>	
Seaside Groundwater Basin Watermaster	Jeanne Byrne, Representative <i>Andrew Clarke, Alternate</i>
Monterey County Special Districts' Association	Brenda Lewis, Representative <i>Jeanne Byrne, Alternate</i>
Policy Advisory Committee	Andrew Clarke, Chair <i>Bob Brower, Alternate</i>
Monterey Peninsula Water Supply Project Governance Committee	Jeanne Byrne, Representative <i>Andrew Clarke, Alternate</i>
Association of California Water Agencies/Joint Powers Insurance Agency	Andrew Clarke, Representative

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**ITEM: CONSENT CALENDAR****3. CONSIDER EXPENDITURE OF FUNDS FOR A CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE PERMIT APPLICATION FEE FOR THE PHASE 2 AQUIFER STORAGE AND RECOVERY PROJECT.**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes, partially reimbursable</b>
<b>From:</b>	<b>Dave Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Water Supply Projects/ 1-4-1 Water Rights Permits Fees</b>
<b>Prepared By:</b>	<b>Kevan Urquhart, Larry Hampson &amp; Jonathan Lear</b>	<b>Cost Estimate:</b>	<b>\$7,311</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Water Rights Permit #20808C, issued to the District by the State Water Resources Control Board (SWRCB) for the diversions by Aquifer Storage and Recovery (ASR) Phase 2, has a ministerial formality placed in all appropriative water rights statewide, for the applicant (i.e. District) to consult with the California State Department of Fish and Wildlife (CDFW) and acquire a Lake or Streambed Alteration Agreement (LSAA) for new on-/in-stream facilities, if necessary. Proof of that CDFW permit or a consultation resulting in a determination that one isn't needed, is required by the SWRCB for their records. This fee is required to initiate that administrative review process with CDFW.

**BACKGROUND:** The District followed this same process in 2008 for the Phase 1 ASR Water Right Permit #20808A. As a result, the CDFW issued what is known as a "No LSAA Needed Letter", and our permit application fees were returned. Unfortunately, CDFW put an expiration date of 2013 on that prior letter, and we have to reapply for another one for Phase 2. We asked CDFW to simply reissue or renew the original "No LSAA Needed Letter", but they want a full reapplication for their administrative record, instead. Nothing has changed in the nature of the ASR project from Phase 1 to Phase 2, and the exact same conditions exist in 2017 to justify a "No LSAA Needed Letter", as occurred in 2008. District staff believe a "No LSAA Needed Letter" remains the appropriate approach, since no construction has ever occurred within the flood plain due to either phase of ASR, so that CDFW has no jurisdiction, as all diversion points are existing California American Water (CAW) wells. The project is also an offset of unpermitted summer diversions out of a fully appropriated season, into the winter period approved for ongoing legal diversions by the SWRCB, and mandated by Water Rights Order 95-10. Thus both the ASR Projects are a net environmental benefit.

**RECOMMENDATION:** Staff recommends that the Administrative Committee support our recommendation to the District Board to consider spending \$7,311 for the remainder of Fiscal Year 2016-2017 to cover this permit application fee, if it is required by CDFW. The District is very likely to have this fee waived, if no LSAA is issued.

**IMPACT TO STAFF/RESOURCES:** If CDFW decides to issue a “No LSAA Needed Letter” as it did for ASR Phase 1 in 2008, then the check will be returned and the expense will not be incurred. If they decide to enter into the LSAA development process, then 50% of the fee will be reimbursed by our co-water right holder and project partner, CAW, as part of ongoing project expenses.

**CEQA COMPLIANCE:** This permit application mandated by the SWRCB is not itself a “project” as defined by CEQA Regulation #15378. The existing ASR project itself was subject to CEQA, and the District complied with CEQA and NEPA, respectively, through producing and filing a combined Environmental Impact Report (EIR) and Environmental Assessment (EA) with the State Clearing House: MPWMD Aquifer Storage and Recovery Project EIR/EA - SCH#2004121065

## **EXHIBITS**

None

**ITEM: CONSENT CALENDAR****4. CONSIDER CONTRACT WITH CSUMB FOR CARMEL RIVER CROSS SECTION SURVEY AND LARGE WOOD INVENTORY**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Erosion Protection 2-2-2 Carmel Riverbed Topographic Data</b>
<b>Prepared By:</b>	<b>Larry Hampson</b>	<b>Cost Estimate:</b>	<b>\$20,000</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action is categorically exempt under California Environmental Quality Act Guidelines section 15306.**

**SUMMARY:** MPWMD has cooperated for several years with the California State University at Monterey Bay (CSUMB) to gather and analyze Carmel River data. The Division of Science & Environmental Policy has provided a proposal attached as **Exhibit 4-A** to gather geomorphic data in the active channel from the Carmel River Reroute to the lagoon. These data will be incorporated into the long-term database the District has developed to monitor and analyze the District's efforts to manage and restore streambank stability, vegetation, and fisheries habitat within the riparian corridor.

**RECOMMENDATION:** Staff recommends authorizing the General Manager to enter into an agreement with the University Foundation at CSUMB for a not-to-exceed amount of \$19,000. Staff requests an additional \$1,000 in contingency funding for unforeseen conditions. If this item is approved with the Consent Calendar, the General Manager would be authorized to expend up to \$20,000 for this work. This item is contingent on approval of the FY 2017-18 budget by the Board.

**DISCUSSION:** CSUMB students have surveyed the Carmel River for large wood abundance and changes in channel geometry on several occasions since 2003. Observations in January and February 2017 by several people familiar with the watershed showed that rainfall events caused significant slides and debris flows. Flooding, bank erosion, and sediment deposition is evident in the lower 20 miles of the river. Replicating previous survey work will document the changes to the channel from high flows this past winter and will help inform the Los Padres Dam study as well as long-term management of the Carmel River.

**California Environmental Quality Act Compliance (CEQA): Guidelines Excerpt**  
15306. Information Collection

Class 6 consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental

resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded.

**EXHIBIT**

**4-A** April 28, 2017 PRE-PROPOSAL

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**Division of Science & Environmental Policy  
California State University Monterey Bay**

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(831)582-4110; FAX:(831)582-4122

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28 April 2017

***2017 Carmel River Cross Section Survey and Large Wood Inventory***

From: Dr. Douglas Smith (CSUMB School of Natural Sciences)

To: Larry Hampson (Monterey Peninsula Water Management District)

**Overview**

San Clemente Dam was removed in 2015. We propose to document geomorphic changes, shifts in sediment size distributions, and variability in large wood abundance in the second winter runoff following dam removal. We will use benchmarked cross sections, bed material particle counts, and a longitudinal river traverse to collect the data.

The dam removal project is unique in the world because it was designed to produce *de minimis* negative impacts to the downstream reach of river, while providing the ecological benefits of fish passage and the safety benefits of dam removal (Blanco et al., 2013; Boughton et al., 2016). Given that coarse sediment and large wood have not been able to pass the dam for over 90 years, two potential downstream impacts from the dam removal the project include channel-filling sand and gravel deposits and a change in the abundance and size of tree trunks that reach the lower river. Sediment deposits can locally influence flood hazard, and, if fine enough, can degrade spawning habitat. Large wood can improve aquatic habitat, produce bed and bank scour, increase channel roughness, and can impact bridge safety (Beck et al., 2013).

To monitor these potential impacts, CSUMB has established 40 benchmarked river cross sections where we periodically collect topographic data and perform grainsize analysis on the Carmel River (e.g., Chow et al., 2016a; 2017). We have also performed episodic large wood surveys to determine how dynamic the wood abundance is on the Carmel River (Smith and Huntington, 2004; MacCarter et al., 2016, 2017). The most recent cross section surveys and large wood surveys were performed in fall 2016, immediately before the second year of post-dam-removal flows. That work indicated that river flows in the first year after dam removal produced virtually no changes to river cross sections and sediment size distributions, except for gravel and coarse sand deposition within 3.5 km of the former dam location (Chow et al. 2017; 2016a).

This proposal is to fund the second post-dam removal surveys that will document any changes resulting from the high flows (~25 year event) of winter 2017. There might also be Soberanes Fire impacts in the river this year. Fire impacts might include burned wood deposits, carbon-rich floodplain deposits, and excessive mud.

The impacts (or lack of impacts) documented by this project will inform the MPWMD and Carmel Valley residents about continual change (or stability) present in the Carmel River channel.

### **Deliverables**

The deliverables will include two reports and associated data in spreadsheet format. The cross section report will include data for approximately 40 cross sections spanning from below Los Padres Dam to the Crossroads shopping center. The report will be approximately like Chow et al. (2017). It will include the following sections:

- 1) Project background
- 2) Data collection methods
- 3) Presentation of cross section and grainsize analyses in graphs and summary data tables
- 4) Comparison with previous data sets to analyze change occurring before dam removal and as a result of dam removal
- 5) Well organized and annotated data spreadsheet.

The large wood inventory will cover the Carmel River channel from the lagoon to Camp Steffani. Every occurrence of wood larger than 15 cm in diameter and 2 m long will be mapped and described. The report will be approximately like MacCarter et al. (2017). It will include the following sections:

- 1) Project background
- 2) Data collection methods
- 3) Presentation of data in map format, graphs, and in summary data tables
- 4) Comparison with previous data sets to analyze change occurring before dam removal and as a result of dam removal
- 5) Well organized and annotated data spreadsheet.

If flow remains too deep for a complete transect of the river, suitable subsections will be surveyed for wood abundance.

### **Budget**

We propose to complete the work for \$19,000.

These costs include hourly labor for fieldwork and report preparation, benefits, transportation and 20% indirect costs charged by the University Corporation. All materials and survey equipment will be provided by the CSUMB Watershed Geology Lab.

We propose to complete the fieldwork in summer and fall of 2017 before significant runoff of 2018 water year impedes access to the channel. Reports will be completed before February 2018.



Work on this project is contingent upon contracting between the MPWMD and the University Corporation. Bay of this estimate will be required before the formal contract and budget can be finalized and work begun.



Dr. Douglas Smith, Professor  
Division of Science and Environmental Policy

### References

- Beck E, Geisler E, Gehrke M, Goodmansen A, Leiker S, Phillips S, Rhodes J, Schat A, Snyder A, Teaby A, Urness J, Wright D., Smith, D. 2013. A Survey of Large Wood on the Carmel River: Implications for Bridge Safety Following San Clemente Dam Removal: The Watershed Institute, California State Monterey Bay, Publication No. WI-2013-04, 46 pp.  
[http://ccows.csUMB.edu/pubs/reports/CSUMB\\_ENVS660\\_ClassReport\\_CarmelWood\\_131002.pdf](http://ccows.csUMB.edu/pubs/reports/CSUMB_ENVS660_ClassReport_CarmelWood_131002.pdf)
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**ITEM: CONSENT CALENDAR****5. CONSIDER APPROVAL OF CONTRACT WITH BALANCE HYDROLOGICS, INC. FOR DESIGN OF LOWER SAN CARLOS RESTORATION PROJECT**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Erosion Protection 2-2-1-a</b>
<b>Prepared By:</b>	<b>Larry Hampson</b>	<b>Cost Estimate:</b>	<b>\$56,500</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Staff proposes to enter into an agreement with Balance Hydrologics, Inc. for analysis and design of the Lower San Carlos Restoration Project in the Carmel River channel downstream of Rancho San Carlos Road Bridge. Significant streambank erosion occurred during February 2017 storms that produced high flows. Work would include analysis of flooding, shear stress analysis, and design bank stabilization work along about 400 feet of the river channel.

**RECOMMENDATION:** Authorize the General Manager to enter into an agreement with Balance Hydrologics, Inc. to provide design services for a not-to-exceed amount of \$56,500. Approval of this item is contingent upon approval of the Fiscal Year 2017-18 budget presented at the June 19, 2017 meeting. This item is contingent on approval of the FY 2017-18 budget by the Board.

**DISCUSSION:** The reach of the river downstream of Rancho San Carlos Road has been subject to instability and minor erosion for several years. High flows in February 2017 eroded the south bank and removed several large cottonwoods from a 400-foot long portion of the river in one of the last remaining mature riparian forest areas along the river. Future high flows could destabilize the area downstream, which would threaten homes on the north side of the river and Hacienda Carmel, a retirement community with about 300 units.

**IMPACT TO STAFF/RESOURCES:** Funds for this project are included in the FY 2017-18 budget under "Protect Environmental Quality," line item 2-2-1-A Work at lower San Carlos Restoration Project, Account 35-03-789590.

**EXHIBIT****5-A** Balance Hydrologics, Inc. proposal dated June 2, 2017





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224 Walnut Avenue • Suite E • Santa Cruz, CA 95060 • (831) 457-9900  
PO Box 1077 • Truckee, CA 96160 • (530) 550-9776  
www.balancehydro.com • email: office@balancehydro.com

June 2, 2017

Mr. Thomas Christensen  
Riparian Projects Coordinator  
Monterey Peninsula Water Management District  
P.O. Box 85  
Monterey, California 93942

**RE: Streambank restoration design on the Carmel River downstream of the Rancho San Carlos Road Bridge, Monterey County, California**

Dear Mr. Christensen:

Thank you again for extending Balance Hydrologics the opportunity to provide a scope of work for the streambank restoration design on the Carmel River just downstream of the Rancho San Carlos Road Bridge in Monterey County, California. We understand that high flow events during the winter of 2017 caused a significant failure of the left bank, and that there is an immediate need to prevent further property loss and possible channel avulsion during future high flow events. We also understand that ongoing erosion of the right bank is of concern to you. As you know, Balance staff have extensive experience in the Carmel River watershed, including both restoration planning and design and FEMA floodplain modeling; we believe we can leverage that past work to contribute meaningfully to a prompt assessment and design solution in an expedited manner.

We fully understand the need for the work to progress efficiently, with the initial objective of a bid package by early July of this year so construction might proceed in the fall. This requires a focused work plan to address a range of design issues. This letter discusses our proposed scope of services beginning with the technical approach and specifics of the work plan, followed by the associated budget and timeline.

### ***Technical Approach***

Our technical approach will be to provide focused geomorphic and hydraulic assessments with the goal of identifying the dimensions and configurations of a bank stabilization treatment that maximizes the functions and values of the creek corridor at the site. This strategy will help secure the support of regulatory agencies, thereby minimizing the potential for schedule delays.

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The geomorphic assessment will be based on limited stream reconnaissance at the site, our past experience in this watershed, established geomorphic relationships, and District staff's understanding of river behavior. The overarching goal will be to identify the key geomorphic processes leading to the bank failures, so the design may acknowledge these processes to the extent possible.

Hydraulic engineering support will be largely based on the effective FEMA model for the Carmel River, which we currently have on file. We anticipate demonstrating that the design will not adversely affect flood hydraulics by not reducing the cross sectional area beyond what is documented by the effective FEMA model. The hydraulic model will also be used to extract parameters to inform other design calculations, for instance, ultimate depth of bend scour and log/boulder stability.

The geomorphic and hydraulic analyses will ultimately inform the design for the bank stabilization treatments. The treatments will address erosion along roughly 400 feet of the left bank and 75 feet of the right bank of the Carmel River just downstream of the Rancho San Carlos Road Bridge. The goals of the treatments are to:

- Provide long-term stability of the banks to withstand fluvial forces up to the 50-year event;
- Acknowledge the geomorphic setting and dominant geomorphic processes;
- Maintain the prevailing flood patterns and hydraulics;
- Facilitate smooth agency review and bidding with a straightforward design; and
- Provide an aesthetically-pleasing and fish-friendly solution.

A bid package will be prepared to convey the final design, and will be accompanied by a design basis memo to provide technical documentation on how the project meets the above goals.

### ***Work Plan***

*Task 1. Backgrounding and Field Reconnaissance.* We will review the available background information for the site to begin forming our understanding of the project site. Balance staff will then conduct a one-day field reconnaissance to address gaps in the background information, and begin formulating design concepts.

*Task 2. Design Development.* We understand that you presented rock vanes as the bank stabilization treatment in your project description letter to the USACE, but are open to other means of stabilizing the banks. Following Task 1, Balance will prepare up to three design alternatives to present to MPWMD staff. Given the fast-paced project schedule, we will forego a formal alternatives analysis, and instead will present the alternatives during a conference call, utilizing standard details we have on file and rough sketches as necessary. This task assumes a consensus on how to proceed with the design will be reached within one day of the call so we may move forward with subsequent tasks.

*Task 3. Technical Analyses.* A number of technical analyses will be needed to test the design against the project goals. This includes applying the effective FEMA HEC-RAS model to assess how the design will affect hydraulics, estimate bend scour, and evaluate shear stress along the bank treatments. We will convert the existing one-dimensional HEC-RAS model into a two-dimensional model (for the project

Mr. Thomas Christensen  
June 2, 2017  
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reach only) if we find that more detailed output would better serve the design. Under this task we will also complete geomorphic analyses to estimate bankfull stage and width, sediment entrainment thresholds, and channel evolution trajectories.

Task 4. 100% Bid Package. Balance will prepare construction drawings for the preferred bank stabilization treatment in accordance with local, state, or federal standards applicable to the project site. The drawings will be prepared at an appropriate scale to communicate the physical relationships of the various features. We expect to locate the features and other improvements by way of a continuous baseline and station point system. The construction drawings will be prepared using AutoCAD on Arch D size (22" x 34") sheets in English units. The 100% design plans will be finalized and stamped by a California-registered Professional Civil Engineer. When completed, the plans will be of sufficient detail for bidding and construction, and are anticipated to include the following:

- Cover sheet with sheet index and location map (1 sheet);
- General notes and legend of symbols and abbreviations (1 sheet);
- Site access, staging, erosion control, and dewatering plan (1 sheet);
- Site plan views with staking information (up to 2 sheets at 1" = 40' or finer scale);
- Detail, cross section, profile, and elevation views as needed; detailed notes on material specifications and installation procedures will be provided on the sheets in lieu of separate technical specifications (up to 2 sheets); and
- Summary of materials quantities.

Budget has been allotted for two submittals: draft and final bid package. The draft bid package will be submitted to you for review and comment no later than four (4) business days prior to the final bid package delivery date (early July, precise date to be determined). We ask that you respond to Balance with your comments on within 48 hours of receipt of the draft package.

As a component of all design submittals, Balance staff will perform our standard Quality Assurance / Quality Control process (QA/QC) on all documents submitted. This involves a Level 1 Review where a Checker (who is not associated with the project) reviews the plans and cost estimate, and then discusses potential design issues with the Designer and Stamping Registered Civil Engineer. After changes are discussed and implemented, the Checker performs a Level 1 Back Check to verify that the identified issues are addressed, and that the submittal satisfies Balance's quality standards. The entire review process is documented and archived.

Task 5. Design Basis Memo. Balance will prepare a focused Design Basis Memo (DBM) summarizing the geomorphic metrics and basis for hydraulic design of the bank stabilization treatment. The results of technical analyses conducted under Task 3 will be summarized in the DBM. We have found that a comprehensive DBM is the most efficient way to convey to the design team, regulatory agency staff, and other pertinent stakeholders the work that was completed and the findings and recommendations that frame the design. The DBM will be delivered within one week of the 100% bid package.

Task 6. Project Management and Meetings. A modest amount of time is reserved for internal project management tasks, and regular email and phone coordination with MPWMD staff on project updates. We have also allotted time to participate in up to two conference calls with agency staff (to be scheduled

Mr. Thomas Christensen  
June 2, 2017  
Page 4

at your direction), and to assist you with up to three requests for information (RFIs) during the bidding period.

### ***Assumptions***

In addition to the assumptions mentioned throughout the work plan, this scope of work and budget assumes the following:

- Topographic survey will be completed by Whitson Engineers, and delivered in CAD format to Balance in State Plane grid coordinates no later than June 16, 2017. The survey will be of suitable quality for use as the design basemap.
- Planimetric data for the basemap (e.g. property lines, roads, utility locations)—if not provided by Whitson—will be provided by MPWMD.
- No permitting assistance (e.g. quantities or application preparation) beyond the two budgeted conference calls.
- Construction assistance and oversight is not included; Balance is available to provide this service under a separate scope should you wish.
- Disturbed areas requiring revegetation will be identified with polygons in the bid package, and MPWMD will develop the technical specification for the revegetation treatment.
- Machinery will be allowed in the active channel during construction.
- No quantitative analysis of impacts to aquatic habitat.
- A Stormwater Pollution Protection Plan (SWPPP) is not required.
- Technical specifications will not be included. Implementation and General Notes will be provided on the plan sheets.

### ***Estimated Budget and Timeline***

The anticipated cost for completing the above work plan is summarized in the attached Tables 1 and 2. We would suggest billing on a time and materials basis not to exceed the grand total shown on Table 1 without your prior authorization. As part of this project budget, we have included a 10-percent contingency, to be used only with written authorization from MPWMD, so that we may rapidly respond to unforeseen circumstances, should they arise.

Staff schedules can be adjusted to begin work immediately upon formal authorization to proceed. We understand the expedited nature of the work to meet the aggressive schedule for the bank stabilization. The work described up to and including Task 4 can be completed by early July 2017.



Mr. Thomas Christensen  
June 2, 2017  
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***Closing***

Thank you again for requesting this scope of services. The work would be very much in line with our expertise, and we truly appreciate the opportunity to contribute to this exciting project in a prompt and efficient manner.

Please do not hesitate to contact Balance if you have any questions or comments related to this scope or the work approach suggested.

Sincerely,

BALANCE HYDROLOGICS, Inc.



Peter Kulchawik, P.E.  
Civil Engineer/Hydrologist



Edward Ballman, P.E.  
Principal Engineer

Enclosures: Tables 1 and 2

**Table 1. Anticipated Staff Hours by Task  
217107 Streambank restoration design on the Carmel River downstream of the Rancho San Carlos Road Bridge**

Task Number and Description	Principal	Senior Professional	Project Professional	Sr. Staff Professional	Staff Professional	Assistant Professional	Junior Professional	GIS/CADD Senior Analyst	GIS/CADD Analyst	GIS/CADD Assistant Analyst	Sr. Proj Admin	Report Specialist	Labor Costs For Task	
	<i>Hourly Rate</i>	<i>\$200</i>	<i>\$180</i>	<i>\$165</i>	<i>\$155</i>	<i>\$130</i>	<i>\$115</i>	<i>\$105</i>	<i>\$125</i>	<i>\$110</i>	<i>\$100</i>	<i>\$95</i>		<i>\$80</i>
	EB/JO			PK	MM				BT		RB	TJC		
Task 1. Backgrounding and Field Reconnaissance	20			24	20								\$10,320	
Task 2. Design Development	6			8	2				4				\$3,140	
Task 3. Technical Analyses	12			40	20								\$11,200	
Task 4. 100% Bid Package	16			48					40				\$15,040	
Task 5. Design Basis Memo	8			12	20							2	\$6,220	
Task 6. Project Management and Meetings	8			16							8		\$4,840	
<b>Subtotal Hours</b>	70			148	62				44		8	2		
<b>Total Hours</b>														
<i>Notes:</i>														
													<b>TOTAL LABOR</b>	<b>\$50,760.00</b>
													<i>Expenses from Table 2</i>	<i>\$600.00</i>
													<i>Contingency from Table 2</i>	<i>\$5,136.00</i>
													<b>GRAND TOTAL</b>	<b>\$56,496.00</b>

**Table 2. Estimated Costs****217107 Streambank restoration design on the Carmel River downstream of the Rancho San Carlos Road Bridge**

<b>Professional Fees</b>	<b>Rate</b>	<b>Hours</b>	<b>Allocation</b>	
Sr. Principal	\$235	0	\$0.00	
Principal	\$200	70	\$14,000.00	
Senior Specialist	\$185	0	\$0.00	
Senior Professional	\$180	0	\$0.00	
Project Professional	\$165	0	\$0.00	
Senior Staff Professional	\$155	148	\$22,940.00	
Staff Professional	\$130	62	\$8,060.00	
Assistant Professional	\$115	0	\$0.00	
Junior Professional	\$105	0	\$0.00	
GIS/CADD Senior Analyst	\$125	0	\$0.00	
GIS/CADD Analyst	\$110	44	\$4,840.00	
GIS/CADD Assistant Analyst	\$100	0	\$0.00	
Senior Project Administrator	\$95	8	\$760.00	
Senior Report Specialist	\$85	0	\$0.00	
Report Specialist	\$80	2	\$160.00	
Hydrologic Technician	\$80	0	\$0.00	
<b>Labor Subtotal (Table 1)</b>			<b>\$50,760.00</b>	
<b>Expenses</b>				
<b>Direct Expenses</b>				
Mileage	500	miles @	\$0.60	\$300.00
Mileage, 4-Wheel Drive*		miles @	\$0.63	\$0.00
Vehicle Rental		@		\$0.00
Equipment Costs		@		\$0.00
<b>Reimbursable Costs</b>				
Other Travel, Subsistence				\$100.00
Express Mail, Deliveries				\$50.00
Maps and Aerial Photos				\$0.00
Outside Copying, Blueprint				\$0.00
Outside Consultants				\$0.00
Analytical Laboratory Fees				\$0.00
Materials and Supplies				\$50.00
Permits, Licenses or Agency Inspection fees		<i>client responsibility</i>		\$0.00
Printing <sup>+</sup>				\$100.00
Other				\$0.00
<b>Expenses Subtotal</b>			<b>\$600.00</b>	
<b>ESTIMATED TOTAL</b>			<b>\$51,360.00</b>	
<b>Contingency</b>			<b>\$5,136.00</b>	
<b>TOTAL w/ CONTINGENCY</b>			<b>\$56,496.00</b>	
<i>Notes</i>				

\* 4WD rates apply only if required by site conditions. See Balance policy re 4WD.

+Plotting costs vary according to complexity of design

Project-related expenses will be bill at cost plus 10%; including work by outside consultants and analytical or testing laboratories.



**ITEM: CONSENT CALENDAR****6. CONSIDER APPROVING AMENDMENT NO. 1 TO AGREEMENT WITH REGIONAL GOVERNMENT SERVICES AUTHORITY FOR MANAGEMENT AND ADMINISTRATIVE SERVICES**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.</b>	<b>Professional Fees</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>\$70,000</b>

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.A

**SUMMARY:** With the retirement of the District's Human Resources Analyst, there was a need to find a replacement to fill that position. Based on the size of the District, the replacement of the full time Human Resources Analyst position can most effectively be filled with a part-time human resources consultant.

On December 12, 2016, the District entered in to an Agreement for Management and Administrative Services with Regional Government Services (RGS). The Agreement was for a period of six months and will end on June 30, 2017.

Based on current experience for the past six months, staff recommends extending the services of RGS for another year for a not-to-exceed price of \$70,000. This amendment will be from July 1, 2017 to June 30, 2018, attached as **Exhibit 6-A**.

**RECOMMENDATION:** District staff recommends authorizing the General Manager or the Administrative Services Manager/CFO to sign Amendment No. 1 to the existing Agreement with RGS to provide management and administrative services for an amount not-to-exceed \$70,000. Funds to cover this Amendment will come from savings by not hiring a full-time Human Resources Analyst. Approval of this expenditure is contingent upon adoption of the Fiscal Year 2017-2018 budget by the Board.

**BACKGROUND:** With the retirement of the District's full time Human Resources Analyst, staff evaluated the District's human resources need and realized that the most efficient way to fill the position would be to contract part-time human resources services.

RGS is a governmental, joint powers authority, formed in 2001, who exclusively serves public sector agencies. RGS will serve as a consultant for management and administrative services to provide human resources support for the District on a part-time, continuous basis and will provide onsite office hours of two four-hour days per week.

RGS has been providing services to the District since December 12, 2016, and the existing Agreement is anticipated to remain in force through June 30, 2017. RGS will assign RGS employees to serve as the Human Resources Advisor(s) to the District and will provide support by performing District's human resources management practices, policies and systems and by providing ongoing weekly Human Resources Management services.

## **EXHIBIT**

### **6-A Agreement for Management and Administrative Services**

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**AMENDMENT NO. 1 TO AGREEMENT FOR MANAGEMENT AND ADMINISTRATIVE SERVICES FOR CONTINUATION OF SERVICES**

This document constitutes the Continuation of Services Amendment No. 1 entered into as of the 12<sup>th</sup> day of April, 2017, to the Management and Administrative Services Agreement entered into as of the 20<sup>th</sup> day of December, 2016 by and between the Monterey Peninsula Water Management District, hereinafter called "Agency", and Regional Government Services Authority, hereinafter called "RGS".

**RECITALS**

This Continuation of Services Amendment is entered into with reference to the following facts and circumstances:

- A. Agency desires to amend the provisions of the Management and Administrative Services Agreement to extend the Human Resources services.
- B. RGS is desirous of these changes as well.

Based upon the foregoing Recitals Agency and RGS agree to the terms of continued services set forth in Exhibit A.

- C. All other terms and conditions of the Agreement shall remain in force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Continuation of Services Amendment to be executed on the date first above written by their respective officers duly authorized in that behalf.

Dated: \_\_\_\_\_

Monterey Peninsula Water Management District

Dated: \_\_\_\_\_

REGIONAL GOVERNMENT SERVICES AUTHORITY

\_\_\_\_\_  
Suresh Prasad

\_\_\_\_\_  
Richard H. Averett, RGS, Executive Director

**EXHIBIT A**

The extension of the current services will be effective starting July 1, 2017, and this agreement is anticipated to remain in force through June 30, 2018, unless extended by mutual consent of both parties.

Hourly rates and “not to exceed” schedule will be amended as follows:

**RGS STAFF**

<b>CLASSIFICATION</b>	<b>HOURLY RATE*</b>
Sr. Human Resources Advisor	\$130
Human Resources Advisor	\$107
Technical Specialist	\$82

\*The Hourly Rate does not include direct external costs which will be invoiced to the Agency with no markup.

The cost of services estimate is amended to not exceed seventy thousand dollars (\$70,000).



**ITEM: CONSENT CALENDAR****7. CONSIDER EXPENDITURE TO CONTRACT FOR A LIMITED-TERM PROJECT MANAGER IN THE PLANNING AND ENGINEERING DIVISION DURING FY 2017-2018**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes, partially reimbursable</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Water Distribution Permitting 2-8-1 and 2-8-6</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>\$20,000</b>

**General Counsel Approval:** N/A**Committee Recommendation:** The Administrative Committee reviewed this item on June 12, 2017 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 Planning and Engineering Division has employed a limited-term Project Manager since January 2016 to provide training to Water Demand Division staff on the Water Distribution System permit process, as well as for providing assistance to the public regarding more complex permits. The need for this training and support will continue in FY 2017-2018. Additionally, the limited-term employee is needed to complete the Planning and Engineering file room reorganization project that involves going through file cabinets and determining those documents that will be selected to be converted digital format, streamlining the reference process and eliminating unnecessary and redundant materials. The contract would be for up to 357 hours at \$50.22 per hour. The limited-term employee would not receive any benefits, other than those mandated by state and federal law.

**RECOMMENDATION:** Authorize the expenditure of funds to hire a limited-term Project Manager for up to 357 hours of work from July 1, 2017 through June 30, 2018. Approval of this item will be contingent upon final adoption of the FY 2017-2018 budget by the Board.

**IMPACTS TO STAFF/RESOURCES:** The cost to the District for the limited-term contract described above would not exceed \$20,000. Funding for this position is included in the proposed FY 2017-2018 budget. Some of the work on water distribution system permits would be reimbursable from the applicants.

**EXHIBIT**

None



**ITEM: CONSENT CALENDAR****8. CONSIDER EXPENDITURE FOR TEMPORARY AGENCY EMPLOYEE TO ASSIST WITH DATA MIGRATION DURING FY 2017-2018**

<b>Meeting Date:</b>	<b>June 12, 2017</b>	<b>Budgeted:</b>	<b>Included in Proposed FY 2017-2018 Budget</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Temporary Personnel 26-05-712000</b>
<b>Prepared By:</b>	<b>Stephanie Locke</b>	<b>Cost Estimate:</b>	<b>\$42,135</b>

**General Counsel Approval: N/A**

**Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.**

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

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**SUMMARY:** As part of the water demand database project, all paper documents in the Water Demand Division were scanned and uploaded into the District's computer system by a temporary worker employed by a local staffing agency. This information is now being moved into the database itself. The process, known as data migration, is a necessary component to digitizing all records, which has and continues to be a significant District investment. In addition to data migration of permit and conservation related documents and data, there is also an effort underway to digitize records, plans, and maps related to Wells and Water Distribution Systems so they are accessible from any computer and eventually electronically accessible to the public.

The cost of a temporary agency employee at \$21.28 per hour for 1,980 hours would be \$42,135. The FY 2017-2018 budget includes \$42,135 for temporary help for this effort.

**RECOMMENDATION:** Authorize the expenditure of funds for a local staffing agency to provide an individual, or successive individuals if necessary, to perform data migration duties for 1,980 hours from July 1, 2017 through June 30, 2018. Approval of this item will be contingent upon adoption of the FY 2017-2018 budget by the Board.

**BACKGROUND:** The Windows-based database contains more than 32,000 individual property files that have multiple associated data and documents compiled by the District. Data includes information relevant to transfers of title, water fixtures and uses, rebates issued, water credits and permits, rationing, etc. Data migration from multiple sources into the database is a critical component for its success. It must be done prior to conducting inspections or issuing Water Permits or Rebates, and is necessary for enforcement of the District's Rules and Regulations. Data migration requires an average of 45 minutes per file, depending on the extent of information available.

The assistance of a temporary worker allows District staff to efficiently conduct their regular daily tasks of inspections, walk-in traffic, phone calls and essential follow-up. Since 2012, with the assistance of a temporary worker, staff estimates that approximately 85% of files in the Water Demand Division have been migrated into the database. Each file contains an average of 8 documents.

**EXHIBITS**

None

**ITEM: CONSENT CALENDAR****9. CONSIDER APPROVAL OF AGREEMENT WITH LYNX TECHNOLOGIES FOR GEOGRAPHIC INFORMATION SYSTEM (GIS) SERVICES**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.</b>	<b>Professional Fees</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>\$35,000</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** With resignation of the District's GIS Specialist, there is a need to find a replacement to fill that position. Based on the size of the District, the replacement of a full-time GIS position can most effectively be filled with a part-time GIS consultant.

An agreement for GIS professional services (**Exhibit 9-A**) has been prepared by Lynx Technologies for Board review. If approved, this agreement will be effective from July 1, 2017 to June 30, 2018.

Currently, the Pebble Beach Community Services District is using services of Lynx Technologies to provide GIS services for their district on a part-time basis. In addition, several other cities are also utilizing the same company for their GIS needs.

**RECOMMENDATION:** District staff recommends authorizing the General Manager or the Administrative Services Manager/CFO to enter into an agreement with Lynx Technologies to provide GIS services for an amount not-to-exceed \$35,000. Funds to cover for this Agreement will come from savings by not hiring a full-time GIS Specialist. The approval of this item is contingent upon the adoption of FY 2017-2018 budget by the Board.

**BACKGROUND:** With the resignation of the District's full time GIS Specialist, staff evaluated the District's GIS needs and realized that the most efficient way to fill the position would be to contract part-time GIS services.

Lynx Technologies will serve as a consultant for GIS services to provide support for the District on a part-time, continuous basis and will provide onsite office hours of one eight-hour day per week.

The agreement with Lynx Technologies will be from July 1, 2017 to June 30, 2018. After which, these services may continue on a month-to-month basis. Lynx Technologies will assign an employee to serve as the GIS consultant to the District and will provide support by performing

the District's GIS services on an ongoing basis. Details of these functions being performed by Lynx Technologies are included in Scope of Services part of the agreement (attached as **Exhibit 9-A**).

## **EXHIBIT**

### **9-A** GIS Professional Services Agreement

file:///U:\staff\Boardpacket\2017\20170619\ConsentCldr\09\Item-9.docx

March 3, 2017

Mr. Suresh Prasad  
Chief Financial Officer  
Monterey Peninsula Water Management District  
5 Harris Court, Bldg G  
Monterey, CA 93940  
(831) 658-5614  
[suresh@mpwmd.net](mailto:suresh@mpwmd.net)



Re: GIS Professional Services Agreement

Dear Suresh:

Thank-you for the opportunity to submit this scope of work to provide GIS professional services for the Monterey Peninsula Water Management District (MPWMD). Services will be performed as directed by you, and Lynx Technologies will provide appropriate staffing to conduct on- and offsite services on a time and materials basis. The term of this agreement will be for one year with a one year extension. The labor rate will be fixed at \$65 per hour throughout the contract period.

Staffing levels will be determined by task and on an as-needed basis and time sensitivity. In addition, Lynx will dedicate one staff member onsite on a regular basis. Currently MPWMD have an expressed interest in weekly onsite staff and Lynx will commit up to 8 hours per week.

The total estimated period for the current period, July 1, 2017 through June 30, 2018 (12 months) is not expected to exceed \$35,000.

**Discussion**

Lynx Technologies conducted a brief analysis of the District’s existing system between December 2016 and February 2017. This included a round table discussion with MPWMD staff engineers and scientists that use GIS, interviews with senior management and the IT Manager. We also spent a limited amount of time reviewing the existing data and applications currently in use. This discovery period provided insight into the overall nature of GIS and how it is being applied.

We found that the District is filled with a highly skilled and enthusiastic team that routinely use ArcGIS Desktop. They are experts in their field and apply GIS to solve problems as needed and consequently will often need GIS help to complete some analysis or GIS tool or process. MPWMD is also very data-rich with over 7 terabytes of GIS content. This data is in a variety of formats, none of it is in an Enterprise Geodatabase. Finally, we looked at the existing application suite employed at the District. ESRI’s ArcGIS Desktop Standard edition release 10.3 is the core tool used by staff for GIS. In addition, Microsoft Access is used by several staff and at least 2 critical business needs

are supported using this software. There are several additional excellent applications including ESRI's extensions 3D Analyst and Spatial Analyst, XTools, TerraGo, and L360. At this time it is unclear how frequently these tools are utilized.

Web Technologies and mobile applications i.e. the ability to present GIS data using browser based applications over the internet, is an expressed interest for many MPWMD staff members. The District operates ESRI's ArcGIS Server for Workgroups and Latitude Geographic's Geocortex Essentials for one application. ESRI's ArcGIS Online and Open Data portals are not in use at the District.

### **Scope of Services**

The purpose of this agreement is to provide support for the District's Geographical Information System. The scope of services will fall into 2 broad categories, first specific projects or tasks based our findings analyzing the existing GIS, secondly, unscheduled as-needed support for MPWMD staff; this category will have priority over the first. These responsibilities will vary but may involve any of the roles listed or related below:

- High availability to support ArcGIS related questions and problem solving. This will include onsite staff one day per week, telephone support, and web-based screen sharing sessions. In general support questions are to be addressed by Lynx staff in the same day as the request, even if it means arranging another time or dedicated screen sharing session. This is a critical need, if the primary Lynx staff is not available a second and third staff person will be available and their contact information shared with all MPWMD staff.
- ArcGIS Training. These may be one-one sessions or group sessions and will be driven by MPWMD staff. In other words, if a specific task that a MPWMD staff person wants training for that training can be dedicated to one or opened up to all interested staff members. How to georeference drawing files or raster images is one example.
- Create ArcGIS Templates and other help-related documents. During one of our discussions it was clear that a point of frustration for staff is finding data, understanding the data's history and level of reliability, another is that it is often a very time consuming process to build a map for a time sensitive deadline. Lynx will build a series of project templates for ArcGIS that can be centralized so that they are readily available to staff.
- Base feature layer maintenance including parcels, street addresses, and associated assessor's tables. We will coordinate with the County GIS, Public Works/Engineering and Assessors Offices to collect data, and test the system for geometry and attribute updates on a 45-day cycle. This workflow will improve the accuracy and confidence level to support business decisions.
- Ad hoc GIS analysis and/or prepare presentation materials as needed.



- Collect, capture or convert data for GIS. For example, staff could be assigned to go through engineering data to infill missing data, or there may be a special project that city staff requires a GIS technician in which significant interaction is required.
- Field work as required, this may include field inspection such as help with Well and stream data collection, using our high precision GPS equipment.

### **Long Term Tasks**

The following recommended tasks are derived from our evaluation of the District's existing GIS architecture and will help improve the system and provide more opportunity to integrate GIS with MPWMD business practices. Note that these tasks are big projects, require participation with District staff and will take a significant amount of time to implement. Consequently we have proposed that it will be implemented as time is available.

- Restructure the GIS data and migrate the current file-based system into an Enterprise GIS. Lynx will propose a basic system architecture based on MS SQL Server 2012 (Database structure, Version and Replication models). All vector and raster GIS data will be migrated into several ArcSDE/SQL databases. The task will include an inventory of existing data, identifying duplicated layers, archiving unused legacy files. In some cases (e.g. NAIP Imagery) data currently stored at MPWMD will be removed and replaced with Web Services.
- Standardization, Data Modeling and Documentation. This task would upgrade layers and tables, by implementing current geodatabase technologies (domains, subtypes, relationships, feature-linked annotation, topologies, networks) and naming conventions, assign data ownership, implement record-level metadata, and document all layers using FGDC standards. This effort will make it easier for people who do not use the GIS all the time to access the data and provide information about the history, accuracy and currency of the data. Feature metadata is also required in order to share the data with other users in a cloud environment.
- Web development within the ArcGIS Server/Geocortex and ArcGIS Online frameworks. The current system is an excellent environment to share spatial data with non-GIS users throughout the organization. It is also the new paradigm for the GIS industry. We propose to upgrade the environment to the current release(s), migrate the Web Viewer from Silverlight to HTML5 and dramatically expand the environment so that anyone in the organization can get answers to common questions like: 1) parcel information (owner, address, paid fees and

taxes), 2) printing a map, 3) boundary information and 4) Well and Biological data.

As the system matures we recommend that MPWMD considers expanding the web environment to include access for the public and mobile applications. This will require discussion but a couple of examples have already been solicited by staff. For example, with the ArcGIS Online Data Collector app, field staff would be able to use the GIS out in the field to view, collect and modify data.

Project level work outside of the ‘normal’ scope of services provided above will be billed on a specific scope of services and fixed price fee based on the following rate schedule:

Project Manager: \$150/hr.  
Senior Analyst/Developer: \$125/hr.  
GIS Analyst: \$75/hr.  
GIS Technician: \$65/hr  
Clerical: \$50/hr

If you have any questions regarding this proposal I can be reached on my cell phone at any time: (408) 482-3255, or by email: [patrickk@lynxgis.com](mailto:patrickk@lynxgis.com). Again, thank-you for the opportunity to submit this proposal and I look forward to working with you.

Sincerely,

Patrick Kelleher  
Lynx Technologies

**ITEM: CONSENT CALENDAR****10. CONSIDER APPROVAL OF CONTRACT WITH TOWILL, INC. FOR AERIAL PHOTOGRAPHY OF THE CARMEL RIVER**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Erosion Protection 2-1-5</b>
<b>Prepared By:</b>	<b>Thomas Christensen</b>	<b>Cost Estimate:</b>	<b>\$30,000</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Staff proposes to enter into an agreement with Towill Inc. for aerial photography of the Carmel River from the Pacific Ocean to Los Padres Reservoir. Aerial photography is useful for tracking changes in the river corridor especially related to high flows and erosion. It can also be used as a baseline when enforcing District rules and regulations.

**RECOMMENDATION:** Authorize the General Manager to enter into an agreement with Towill Inc. to provide aerial photography for a not-to-exceed amount of \$30,000. Approval of this item is contingent upon approval of the Fiscal Year 2017-18 budget presented at the June 19, 2017 meeting.

**DISCUSSION:** Aerial photography of the Carmel River corridor from the Pacific Ocean to San Clemente Dam has been carried out on an annual basis since 1983. This is a permit condition associated with Cal-Am's Four Well Agreement with Monterey County and the District. The purpose of this photography is to document changes in riparian vegetation associated with groundwater extraction for the community's water supply. It is also useful to track changes after high flow events which occurred last winter. One such change is the erosion that occurred downstream of Rancho San Carlos Road Bridge. Last year Cal-Am tried to use a drone to carry out the aerial photography. However, the quality of the data was not consistent with the long term data set. The District has decided the best approach is to carry out the aerial photography using the standard methods under the Mitigation Program.

**IMPACT TO STAFF/RESOURCES:** Funds for this project are included in the FY 2017-18 budget under "Riparian Mitigations," line item 2-1-5 Carmel River Annual Aerial Photography, Account 24-03-787022.

**EXHIBIT****10-A** Proposal dated May 3, 2017





May 3, 2017

Mr. Thomas Christensen  
 Riparian Projects Coordinator  
 Monterey Peninsula Water Management District  
 Post Office Box 85  
 Monterey, CA 93942-0085

**Re: Aerial Photography for the Carmel River, Monterey County, CA**

Dear Mr. Christensen:

In response to your request, Towill submits the following proposal to provide aerial photography for the Carmel River from the Pacific Ocean to San Clemente Reservoir, approximately 19 miles in Monterey County, California. As an option, the photography will continue an additional 7 miles further east to the Los Padres Reservoir, for a total of approximately 26 miles.

We are proposing three options for this project. **Option 1** will consist of aerial photography roughly centered on the river channel with approximate georeferencing of the images. **Option 2** will consist of aerial photography of the river channel and include the production of orthophotography for a corridor 1000' either side of the approximate centerline of the river. **Option 3** would emulate Option 2 with the addition of airborne LiDAR data collected simultaneously with the aerial photography. All of these options will have associated costs for the two coverage limits – Pacific Ocean to San Clemente Reservoir or Pacific Ocean to Los Padres Reservoir. The following tables contain our understanding of the project specifications and major details related to our approach for each of the options:

**Option 1 – Pacific Ocean to San Clemente Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Number of Flight Lines:</b>	7
<b>Number of Exposures:</b>	114
<b>Photo Centers:</b>	Approximate photo center locations determined by Airborne GPS collected at time of flight, reported in California State Plane Coordinates, Zone 4, US Survey Feet.
<b>Photo Orientation:</b>	Approximate TFW and JGW provided for each exposure.
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>Fee</b>	\$10,000

**Option 1 – Pacific Ocean to Los Padres Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Number of Flight Lines:</b>	9
<b>Number of Exposures:</b>	156
<b>Photo Centers:</b>	Approximate photo center locations determined by Airborne GPS collected at time of flight, reported in California State Plane Coordinates, Zone 4, US Survey Feet.
<b>Photo Orientation:</b>	Approximate TFW and JGW provided for each exposure.
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>Fee</b>	\$12,000.00



Mr. Thomas Christensen  
Monterey Peninsula Water Management District

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**Option 2 – Pacific Ocean to San Clemente Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Number of Flight Lines:</b>	9
<b>Number of Exposures:</b>	265
<b>Orthophotography:</b>	0.5' GSD (ground sample distance)
<b>Georeferencing of Imagery:</b>	Airborne GPS and IMU acquired at time of photography processed through Aerotriangulation
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>Fee</b>	\$25,000.00

**Option 2 – Pacific Ocean to Los Padres Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Number of Flight Lines:</b>	13
<b>Number of Exposures:</b>	374
<b>Orthophotography:</b>	0.5' GSD (ground sample distance)
<b>Georeferencing of Imagery:</b>	Airborne GPS and IMU acquired at time of photography processed through Aerotriangulation
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>Fee</b>	\$30,000.00

**Option 3 – Pacific Ocean to San Clemente Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Mean LiDAR Pont Spacing:</b>	4 points per square meter
<b>Orthophotography:</b>	0.5' GSD (ground sample distance)
<b>Georeferencing of Imagery:</b>	Airborne GPS and IMU acquired at time of photography processed through Aerotriangulation
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>LiDAR Delivery:</b>	LAS format tiles of the LiDAR Data
<b>Fee</b>	\$30,000.00

**Option 3 – Pacific Ocean to Los Padres Reservoir**

<b>Imagery Bands:</b>	Natural Color (RGB)
<b>Nominal GSD of Photography:</b>	7.5 cm (0.25')
<b>Mean LiDAR Pont Spacing:</b>	4 points per square meter
<b>Orthophotography:</b>	0.5' GSD (ground sample distance)
<b>Georeferencing of Imagery:</b>	Airborne GPS and IMU acquired at time of photography processed through Aerotriangulation
<b>Image Format:</b>	Uncompressed TIFF and JPEG
<b>AutoCAD Delivery:</b>	Project flight plan with final photo center locations.
<b>LiDAR Delivery:</b>	LAS format tiles of the LiDAR Data
<b>Fee</b>	\$35,000.00



Mr. Thomas Christensen  
Monterey Peninsula Water Management District

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### Optional Ground Control

For an additional fee, approximately 10 ground control stations will be surveyed along the project corridor. These control stations (either established targets or photo-identifiable features) will be surveyed to improve the horizontal and/or vertical accuracy for the orthophotography and/or LiDAR data associated with **Options 2 and 3**. The fee for the establishment of this ground control is \$15,000.00.

### MAP ACCURACY

It is Towill's understanding that the deliverables for this project will not be used for engineering design purposes. Therefore, the horizontal and/or vertical accuracies stated below are for reference only.

#### Option 1

There is no horizontal accuracy estimate associated with the georeferencing of the imagery performed under this task.

#### Option 2

The horizontal accuracy of well-defined planimetric features that appear in the digital orthophotography (i.e. those on paved or unpaved areas that are not obscured by vegetation or other overhead features or structures and have suitable contrast in the imagery) is anticipated to be +/- 5.0 feet Root-Mean-Square-Error (RMSE) if no ground control is utilized for the project. If the Optional Ground Control is used, we anticipate a horizontal accuracy of +/- 1.0 foot RMSE.

#### Option 3

The horizontal accuracy of well-defined planimetric features that appear in the digital orthophotography (i.e. those on paved or unpaved areas that are not obscured by vegetation or other overhead features or structures and have suitable contrast in the imagery) or that can be identified in the LiDAR data is anticipated to be +/- 5.0 feet RMSE if no ground control is utilized for the project. The vertical accuracy of the LiDAR data collected for the project in open, unobstructed areas is anticipated to be +/- 2.0 feet RMSE if no ground control is utilized for the project. If the Optional Ground Control is used, we anticipate a horizontal accuracy of +/- 1.0 foot RMSE and a vertical accuracy of +/- 0.5 foot RMSE.

### EXCEPTIONS

Services other than those specifically described herein are not currently proposed.

### TIME SCHEDULE

We anticipate acquiring the imagery on a mutually agreed upon week day between May 15 and June 21 as weather conditions allow. We anticipate the remaining deliverables will be completed and submitted within three weeks of the image acquisition for **Option 1**. We anticipate the remaining deliverables will be completed and submitted within six weeks of the image acquisition for **Options 2 or 3**.



Mr. Thomas Christensen  
Monterey Peninsula Water Management District

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Thank you for requesting this proposal from Towill, Inc. **If for any reason this proposal does not meet your budget or time constraints, please contact me to discuss options to revise the proposal to meet your needs.**

Sincerely,

TOWILL, INC.

A handwritten signature in black ink that reads "Lorraine B. Amenda". The signature is written in a cursive, flowing style.

Lorraine B. Amenda, PLS  
Project Manager



**ITEM: CONSENT CALENDAR****11. AUTHORIZE FUNDS TO CONTRACT FOR LIMITED-TERM FIELD POSITIONS DURING FY 2017-2018**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/</b>	<b>Aquatic Resources Fisheries / Hydrologic</b>
		<b>Line Item No.:</b>	<b>2-3-1 K, 2-3-2 B, C, F; 2-3-4 B, 2-3-7 &amp; 2-5-1 F</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>Up to \$70,600</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 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 funded limited-term positions to assist District staff in the completion of field activities for many years. These positions are not on the District organization chart and their incumbents are not included in the District bargaining units. The schedules for these positions are part-time and largely seasonal in nature. Contracts are for six-month periods of time or less. However, limited-term employees may be offered subsequent contracts. Funding for these positions is included in the proposed 2017-2018 Fiscal Year (FY) budget.

Authorization is requested to hire several part-time limited-term *Water Resources Assistants* for a total of 2,837 hours. These hours will primarily be divided as follows: 680 hours will be used for juvenile fish rescues, 886 hours will be devoted operating Sleepy Hollow Steelhead Rearing Facility, 600 hours will be for the monitoring of adult steelhead counts, 416 hours will be for Carmel River and Lagoon water quality monitoring, and 265 hours would be for compiling well production and groundwater quality historical data. These positions would prevent the accrual of excessive compensatory time and overtime for higher level regular full-time positions. The Water Resources Assistants would be paid \$14.75 to \$15.00 per hour and cost up to \$47,400.

Authorization is also requested to hire several part-time limited-term *Fisheries Aides* for up to a total of 1058 hours of work during FY 2017-2018. These individuals will assist staff with basic labor tasks in the intensive rescues of steelhead juveniles and smolts in the lower Carmel River, as well as performing other fisheries tasks required to prepare for rescues. They may also assist in the release of reared fish from the Sleepy Hollow Steelhead Rearing Facility later in the year. The Fisheries Aides would be paid \$13.75 to \$14.00 per hour and cost up to \$16,500.

Additionally, authorization would be for an on-call Fish Rescue Crew Leader for up to 136 hours. The position, requiring a biologist with fish rescue experience and knowledge of electro-fishing technology is necessary for the District to be able to perform crucial weekend fish rescues. The Fish Rescue Crew Leader would be paid \$44.00 per hour and cost up to \$6,667.

**RECOMMENDATION:** Authorize the expenditure of funds to hire several limited-term Water Resources Assistants for up to a total of 2,837 hours of work, several Fisheries Aides for up to 1,058 hours, and one on-call Fish Crew Leader for up to 136 hours, between July 1, 2017 and June 30, 2018. Approval of this item will be contingent upon final adoption of the FY 2017-2018 budget.

**IMPACTS TO STAFF/RESOURCES:** The total cost of the limited-term contracts described above would not exceed \$70,600. It should also be noted that limited-term employees receive no District benefits in addition to their hourly wages, and additional costs to the District are limited to legally mandated payroll taxes and workers compensation insurance premiums. The FY 2017-2018 budget includes \$70,700 for these limited-term field positions. They are listed in the Project Expenditures section, under the Aquatic Resources Fisheries and Hydrologic Programs.

### **BACKGROUND:**

- A. Water Resources Assistants: This job classification was created in December 1998 to assist staff in the Water Resources Division with field and administrative tasks, including rescuing of juvenile steelhead in the lower Carmel River, surveying of steelhead spawning habitat, and monitoring of groundwater and surface water resources within the Monterey Peninsula Water Resource System. It is needed to help ensure that tasks for the District's Fisheries Mitigation Program are completed on schedule. They have also been integral in conducting the California Stream Bioassessment Procedure (CSBP), developed by the Department of Fish and Game as a rapid bioassessment protocol and method to track overall stream health. Without the assistance of limited-term help, the ability to conduct these tasks would be severely impacted. Additionally, the Water Resources Assistants will support regular staff with lagoon water quality monitoring, well production and groundwater quality historical data compilation, and grant projects. These employees will work in the Water Resources Division and be supervised by the Senior Fisheries Biologist and Senior Hydrogeologist.
- B. Fisheries Aides: Over the past two decades, District staff has initiated rescues when streamflow receded below ten cubic feet per second at Highway One. This has occurred anytime between March and September. The District will be rescuing and transporting three groups of steelhead, including smolts, kelts (spawned-out adults) and juveniles. The smolts and kelts will be transported downstream to the lagoon or ocean, while juveniles will be transported upstream to permanent habitats above the Narrows. Additional help is needed to successfully perform this critical function. If staff attempted to conduct rescues with fewer workers, more fish would be lost because a smaller crew cannot effectively keep up with the number needing rescue and cannot work fast enough to keep up with the retreating river front. It would also increase the risk of on-the-job injuries for people working too strenuously as they attempt to complete two critical jobs in the same period of time. The incumbents of this position will work in the Water Resources Division and be supervised by the Senior Fisheries Biologist.
- C. Fish Rescue Crew Leader: The Fish Rescue Crew Leader position was created in 2009, when the District began weekend fish rescues. The regular crew leader and other fisheries staff members qualified for this role are not able to work full-time during the week and also on the weekends.

### **EXHIBITS**

None

**ITEM: CONSENT CALENDAR****12. CONSIDER RENEWAL OF STANDARD LICENSE AGREEMENT WITH CORELOGIC INFORMATION SOLUTIONS, INC.**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Services &amp; Supplies 26-05-761000</b>
<b>Prepared By:</b>	<b>Stephanie Locke</b>	<b>Cost Estimate:</b>	<b>\$14,000</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 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 contracts with CoreLogic Information Solutions to license its online RealQuest Professional services. The RealQuest service supports the District's programs by providing property information needed for researching and noticing properties, documenting ownership and use information for deed restriction preparation, and enforcement of the District's water efficiency standards. The service is utilized daily by the Water Demand Division, and occasionally by the Water Resources and Engineering Division. There are no other reasonably accessible alternative sources for the information provided by RealQuest at this time.

The RealQuest license includes:

- Property Profile/Reports
- Street Map Search
- Parcel Maps
- Street Maps Plus
- User sign-on and passwords for eight staff (six in Water Demand; one in Water Resources and Engineering)
- Access to recorded documents and associated document imaging

Staff is requesting authorization to spend \$14,000.00 to continue the license for RealQuest services. Funding for this expenditure is included in the Fiscal Year 2017-2018 budget.

**RECOMMENDATION:** Staff recommends the Administrative Committee ratify this item with a recommendation that the Board authorize an expenditure of up to \$14,000 for the standard license agreement and deposit. Approval of this item will be contingent upon adoption of the FY 2017-2018 budget by the District Board.

**IMPACT TO STAFF/RESOURCES:** None.

**EXHIBIT**

None



**ITEM: CONSENT CALENDAR****13. CONSIDER CONTINUANCE OF CONTRACT WITH ZONE 24X7 FOR WATER DEMAND DATABASE IMPROVEMENTS AND MAINTENANCE**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program:</b>	<b>Water Conservation</b>
		<b>Line Item No.:</b>	<b>26-05-781161</b>
<b>Prepared By:</b>	<b>Mark A. Dudley</b>	<b>Cost Estimate:</b>	<b>\$60,000</b>

**Administrative Services Division Manager/Chief Financial Officer Review: Yes**  
**Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.**  
**CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Staff is requesting authorization to expend budgeted funds to continue software programming needs related to the District's Water Demand Division Database (WDD-DBS). The WDD-DBS was deployed in October 2009. Due to the complexity of the integrated database system and changes to District rules, additional programming is necessary to address refinements and conflicts related to the various processes. Since the October 2009 launch date, WDD-DBS support has been provided by *Zone 24x7* (the contractor and designer of the system) and District staff.

**RECOMMENDATION:** Staff recommends the Board authorize expenditure of budgeted funds in an amount not-to-exceed \$60,000 for programming changes to the WDD-DBS to accommodate functionality improvements and database support/maintenance.

**IMPACT TO STAFF/RESOURCES:** The FY 2017-2018 Water Demand Division Project budget includes \$60,000 for this support. Approval of this item will be contingent upon adoption of the FY 2017-2018 budget by the District Board.

**BACKGROUND:** As staff has worked with the system, it has been determined that some of the items originally programmed can be improved to provide better functionality, flexibility, responsiveness and ongoing maintenance of the database. These functional requirements are based on staff feedback on the original design of the database system. In addition, implementation of water demand-related ordinances has complicated programming and functionality, as each change potentially affects more than one module in the WDD-DBS. Additionally, the existing database is in the process of migration to the latest version of Microsoft SQL Server as the current version is under extended support by Microsoft as of July 2015. These funds will continue the ongoing migration process and regression testing by the software vendor and staff.

**EXHIBITS**

None



**ITEM: CONSENT CALENDAR****14. CONSIDER AMENDMENT TO CONTRACT WITH PUEBLO WATER RESOURCES TO PROVIDE HYDROGEOLOGIC REVIEW FOR WATER DISTRIBUTION SYSTEM PERMITS**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>WDS Permitting 2-8-2</b>
<b>Prepared By:</b>	<b>Gabriela Ayala</b>	<b>Cost Estimate:</b>	<b>\$2,000</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** The Board will consider authorizing the General Manager to amend an existing contract with Pueblo Water Resources, Inc. (Pueblo) to authorize a maximum of \$2,000 for Fiscal Year (FY) 2017-2018 (July 1, 2017 through June 30, 2018) to continue to help District staff carry out MPWMD Rules and Regulations governing Water Distribution Systems (WDS), specifically in regards to hydrogeologic review of well pumping test reports and related tasks. The \$2,000 limit would be tracked as follows:

Program 2-8-2, "Hydrologic Impact Review," with up to \$2,000 as 100% reimbursable from applicants.

**Exhibit 14-A** is the proposed scope of work and cost estimate from Pueblo for FY 2017-2018. The proposed \$2,000 total limit is the same of that budgeted in FY 2016-2017, based on actual work performed in FY 2016-2017. The hydrogeologic review will be primarily associated with Level 3 Permits under the current WDS rules. The applicant must show that a Well (or other water source) will reliably meet the applicant's needs, and will not adversely affect the Monterey Peninsula Water Resource System or Sensitive Environmental Receptors as defined in District Rule 11.

**RECOMMENDATION:** Staff recommends that the Board authorize the General Manager to amend the current District professional services contract with Pueblo for a not-to-exceed amount of \$2,000 for FY 2017-2018. If this item is adopted along with the Consent Calendar, staff will execute a contract amendment with Pueblo. Approval of this item will be contingent upon adoption of the FY 2017-2018 budget by the District Board.

**BACKGROUND AND DISCUSSION:** Pueblo has been retained since June 2006 to assist staff with WDS Permit processing on an as-needed basis. All amounts are maximums; only

actual hours of service are billed. Invoiced hours submitted by consultants for review of each application are reimbursed by the applicant before the applicant receives the signed WDS Permit. Pueblo's rates are competitive with other consulting firms with experienced, registered hydrogeologists. Pueblo is very knowledgeable about local hydrogeology and MPWMD procedures, and is considered to be cost-efficient for this work. Pueblo also has contracts with the District for Aquifer Storage and Recovery tasks in the Seaside Groundwater Basin.

Continued WDS applications are expected due to restrictions on the availability of California American Water supply for new construction and remodels. Consultant assistance is essential to adequately process permit applications in compliance with the State Permit Streamlining Act and to help the Water Resources & Engineering Division address technical questions relating to the WDS process.

**IMPACT TO DISTRICT RESOURCES:** Pueblo's technical work is directed by the MPWMD Water Resources & Engineering Manager/District Engineer, with logistics to be managed in the future by Water Demand Division staff as they take on responsibility for processing WDS Permits (currently performed by the Water Resources & Engineering Division). Pueblo's work product is used as evidence in preparing WDS Permit documents, including the required Findings of Approval.

## **EXHIBIT**

### **14-A Pueblo Water Resources Scope of Work and Fee Schedule for FY 2017-2018**





June 5, 2017  
Project No. 15-0063

Monterey Peninsula Water Management District  
Post Office Box 85  
Monterey, California 93942

Attention: Ms. Gabby Ayala

Subject: Proposal for Continuing Professional Hydrogeologic Services; WDS Permitting Assistance, Fiscal Year 2017-2018

Dear Gabby:

Pursuant to your request, Pueblo Water Resources, Inc. (PWR) is pleased to submit this proposal for continuing assistance with the processing of Water Distribution Systems (WDS) permit applications during Fiscal Year 2017-2018 (FY 2017-2018). It is our understanding that the District desires PWR to provide continued technical assistance with the review and evaluation of Well Source and Pumping Impact Assessments (assessments) for compliance with District Technical Procedures. Presented in this proposal is a scope of services and associated budget to provide the requested services.

### SCOPE OF SERVICES

#### Task 1 – Assist with Assessment Reports

This task consists of the review and evaluation of assessments submitted by applicants for compliance with District technical procedures, and providing written documentation summarizing our findings for each reviewed assessment. This task also includes providing assistance in the preparation of any hydrogeologic evaluations requested by the District related to the WDS program. Consistent with past practice, our work will be performed with direct oversight of the General Manager or his/her designee (e.g., the District Senior Hydrogeologist) on an as-needed / as-directed basis.

#### Fees

Our services will be billed on a time-plus expenses basis in accordance with our current Fee Schedule (attached) for a **not-to-exceed amount of \$2,000**. Consistent with past practice, we will track our costs associated with each WDS applicant separately to facilitate reimbursement by the applicants. In the event that the overall number or complexity of the assessments to be evaluated requires effort beyond the established budget, we will notify you in writing as soon as possible.

Monterey Peninsula Water Management District  
Proposal for Water Distribution System Permitting Support – FY 2017-2018  
June 5, 2017 (Project No. 15-0063)

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We appreciate the opportunity to provide assistance to the District, and look forward to the timely and successful performance of the work. As always, if you have any questions please call us.

Sincerely,

Pueblo Water Resources, Inc.

Robert C. Marks, P.G., C.Hg.  
Principal Hydrogeologist

RCM

Attachments: 2017 Fee Schedule



**PUEBLO WATER RESOURCES, INC  
2017 FEE SCHEDULE**

***Professional Services***

Principal Professional.....	\$200/hr
Senior Professional.....	\$185/hr
Project Professional.....	\$170/hr
Staff Professional.....	\$140/hr
Technician.....	\$130/hr
Illustrator.....	\$115/hr
Word Processing.....	\$95/hr

***Other Direct Charges***

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

***Equipment Charges***

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

\*Regionally and seasonally specific to project.



**ITEM: CONSENT CALENDAR****15. CONSIDER AUTHORIZING CLA-VAL WESTERN REGIONAL SERVICE TO PROCEED WITH ANNUAL MAINTENANCE AND SERVICING OF VALVES AT THE SANTA MARGARITA AND SEASIDE MIDDLE SCHOOL AQUIFER STORAGE & RECOVERY FACILITIES**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes, reimbursable</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item:</b>	<b>Water Supply Projects 35-04-786005</b>
<b>Prepared By:</b>	<b>Jonathan Lear</b>	<b>Cost Estimate:</b>	<b>\$10,800</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Staff proposes to retain CLA-VAL Western Regional Service to service CLA-VAL pressure reducing and pressure sustaining valves at the Santa Margarita and Seaside Middle School Facilities.

Funds expended to complete this work will be reimbursed to the District through the Aquifer Storage & Recovery Project Management and Operations agreement between the District and California American Water (CAW). The requested amount is larger than the quote to include a 10% contingency for replacement parts that are not covered in the quoted rebuild kits.

**RECOMMENDATION:** Staff recommends the Board authorize the General Manager to enter into an agreement with CLA-VAL Western Regional Service to complete the annual maintenance of the CLA-VALs located at the ASR facilities.

**BACKGROUND:** During the ASR injection season, portions of the CAW Monterey Main System are being used for water storage and transmittance of water diverted from the Carmel River and delivered to the ASR injection facilities. Because the system is also supplying water to CAW customers, it is subject to daily and seasonal variations in customer demand. Changes in demand result in pressure variations to the water delivered at the ASR facilities. Pressure reducing and pressure sustaining valves help to maintain constant injection rates and protect the ASR wells from spikes in system pressure. This equipment requires servicing from approved contractors in order to maintain guarantee of functionality.

**EXHIBITS**

**15-A** Quote for Annual service of ASR CLA-VAL infrastructure at the Santa Margarita and Seaside Middle School Facilities.



## CLA-VAL CO. WESTERN REGIONAL SERVICE QUOTATION

<b>QUOTE NUMBER:</b> 050117AO1	<b>DATE:</b> 5/9/2017	<b>PAGE:</b> 1
<b>CUSTOMER:</b> Monterey peninsula Water		
<b>CONTACT:</b> Jonathan Lear		
<b>ADDRESS:</b>		<b>PHONE:</b> (831)227-6001
<b>JOB NAME:</b>		<b>FAX:</b>

ITEM NO.	QTY	SIZE	DESCRIPTION	NET EA.	TOTAL
01)	3	8"	Model 93-01 Pressure Reducing With Solenoid Main Valve & Pilot Rubber Rebuild Kit	\$ 370.00	\$ 1,110.00
02)	4	10"	Model 58-01 Pressure Relief/ Sustaining Main Valve & Pilot Rubber Rebuild Kit	\$ 550.00	\$ 2,200.00
03)	1	6"	Model 93-01 Pressure Reducing With Solenoid Main Valve & Pilot Rubber Rebuild Kit	\$ 332.00	\$ 332.00
04)					
05)	2		Food & Lodging / 2 Nights	\$ 185.00	\$ 370.00
06)	24		Labor / 2 Men	\$ 225.00	\$ 5,400.00
07)	4.5		Travel	\$ 66.00	\$ 297.00
08)	202		Fuel Surcharge Per Mile	\$ 0.57	\$ 115.14

**TOTAL / WITHOUT TAX \$ 9,824.14**

**NOTES:** Main Valve Rebuild Kit Consists of Disc, Diaphragm, & Spacer Washers

**Any hard parts are extra!!**



This quotation is valid for 30 days from the above date.

After 30 days Cla-Val reserves the right to change the pricing due to material cost increases.

All prices are **NET**

<b>AUTHORIZED BY:</b>	<b>SALESPERSON:</b> Alberto Ochoa
<b>TERRITORY:</b> 3900	

**QUOTATION EFFECTIVE FOR 30 DAYS FROM See Quote Number**

**MESSAGES: Quote is for estimating only, Cla-Val Service is billed on an actual time & materials used basis.**

If you have any questions regarding this quotation please contact Alberto Ochoa @ Cell (94) (949) 205-9633

6450 Trinity Court Suite A

Dublin, CA. 94568

P. 951-657-1718 Ext.288 / Fax 951-657-8540

## CLA-VAL CO. WESTERN REGIONAL OFFICE QUOTATION

QUOTE NUMBER:	DATE: 5/9/2017	PAGE: 2
CUSTOMER:		
CONTACT:		
ADDRESS:		PHONE:
JOB NAME:		FAX:

ITEM NO.	QTY	SIZE	DESCRIPTION	LIST EA.	TOTAL
06)				\$ -	\$ -
07)				\$ -	\$ -
08)				\$ -	\$ -
09)				\$ -	\$ -
10)				\$ -	\$ -
<b>TOTAL</b>				<b>\$ -</b>	<b>\$ -</b>

**NOTES:** Main Valve Rebuild Kit Consists of Disc, Diaphragm, & Spacer Washers  
Any hard parts are extra!!



AUTHORIZED BY:	SALESPERSON: Mike Trosper
TERRITORY: 3900	
F.O.B. NEWPORT BEACH, CALIFORNIA	
QUOTATION EFFECTIVE FOR	30 DAYS FROM See Quote Number

**MESSAGES:**  
If you have any questions regarding this quotation please contact the W.R.O. @ (800) 247-9090

Delivery is for estimating only, firm delivery on receipt of order.  
NET **30 days** from date of invoice.



**ITEM: CONSENT CALENDAR****16. CONSIDER CONTRACT FOR DISTRICT PUBLIC OUTREACH AND COMMUNICATIONS SERVICES WITH TBC COMMUNICATIONS & MEDIA FOR FISCAL YEAR 2017-2018**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Professional Fees</b>
<b>Prepared By:</b>	<b>Stephanie Locke</b>	<b>Cost Estimate:</b>	<b>Not-to-Exceed \$42,000</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Staff is requesting support for renewal of the District's contract with TBC Communications & Media for work related to MPWMD's outreach and communications. Funding for contractor assistance with public outreach and communication services was included in the District's budget. In addition to the retainer, funds were budgeted for design services for graphic and website design, printing, website upgrades, media buys, etc.

The Public Outreach Committee reviewed an outreach scope of work PowerPoint at its April 12, 2017. 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's outreach activity across social networking platforms. General Manager 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 publication of print ads/articles monthly, and airing quarterly radio advertisements.

**RECOMMENDATION:** The Administrative Committee should recommend the Board approve a contract with TBC Communication & Media for outreach services for Fiscal Year 2017-18. Approval of this item will be contingent upon adoption of the FY 2017-2018 budget by the District Board.

**EXHIBIT****16-A Proposed Scope of Work for Public Outreach & Communication Services**





**Proposed Scope of Work  
For Public Outreach &  
Communication Services  
FY17-18**

**Prepared for:**  
Monterey Peninsula Water Management District

**Submitted by:**  
TBC Communications & Media

183 Forest Avenue, Suite 4 • Pacific Grove, CA 93950  
Tel: 831.920.1693 • Fax: 831.920.1729  
[www.tbccommunications.com](http://www.tbccommunications.com)  
[steve@thomasbrandconsulting.com](mailto:steve@thomasbrandconsulting.com)



## Introduction to the Proposed Scope of Work

In 2016, the Monterey Peninsula Water Management District received increased visibility and recognition as it helped the residents, businesses and organizations of the Monterey Peninsula weather a crippling drought. It also saw increased recognition for the environmental mitigation work performed on the Carmel River and the forward movement of water supply projects including Aquifer Storage and Recovery and Pure Water Monterey. With an ongoing need to continue the promotion of its accomplishments and messaging as well as increase its top of mind position with the general public and local, state and federal elected officials and organizations.

TBC is a full service agency with expertise in multiple disciplines; because we examine a company or organization from a brand perspective, we are able to implement a strategic plan that takes into account many different aspects of current and future messaging. Laying the groundwork in this manner, will ultimately lead a more streamlined and cohesive voice and ensure that the district's key messages are consistent across all platforms.

By bringing this unique skill-set, an unwavering commitment to excellence and a true belief, both personally and professionally, in the goals of the District and this ongoing project, the TBC team is uniquely positioned to effectively manage and facilitate the needs of the MPWMD .

## Scope of Work

Upon approval, Thomas Brand Consulting will continue to represent the MPWMD across several areas. These areas, as listed below, constitute the scope and type the work proposed. While there are no changes in the type of work being performed, the individual deliverables will be listed in detail.

- **Ongoing Internal Communications Representation**
  - Including Internal community outreach integration facilitated through communications with staff, board of directors, relevant partners and stakeholders to determine the need for publication and/or distribution
  
- **Ongoing Brand Management & Key Message Development**
  - Regular ongoing meetings with the Monterey Peninsula Water Management District(MPWMD) Board of Directors, its staff and relevant stakeholders to ensure approval of any new, revised or ongoing key message development, as well as branding issues

- **Public Relations Tactics**

- Including but not limited to:
  - Press Release Development
  - Media Kit Development
  - Ongoing message-specific campaign to targeted media outlets
  - Updating of any relevant listings in trade, community and other member-based organizations, in which the MPWMD is active or represented
  - Targeted regions: additional local and regional outreach with a focus on areas of significance in relation to current resident or stakeholder base
  - Distribution of press releases to trade publications, trade/business organizations, community groups/advocates and general news outlets
  - Vetting of media inquiries, as well as facilitation and coordination of valuable media opportunities, interviews and FAM tours
  - Tracking, review and clipping of media coverage

- **Community Relations & Public Events**

- Outreach and relationship building with current user base, targeted community groups/advocates, stakeholders, relevant local businesses, educational institutions and other potential partners
- Outreach, introductions and relationship building with local, state and federal agencies
- Coordination of regular and special events and promotions geared towards locals and partners as a vehicle to garner increased exposure of your services, programs and projects.
- Regular communication and dissemination of news and promotions to targeted locals, as well as District support groups/committees via email blast capabilities, advertising and in-person contact
- Continued, regular communication, meetings and brainstorming with the MPWMD, its current partners, targeted stakeholders and the community at large
- Identification and facilitation of new community, business and agency partnerships designed to further the goals of the District and support existing projects and programs
- Facilitation of community workshops held in each district to establish an open line of communication between Directors and their constituents

- **Social Media**

- Ongoing implementation of the social media communications strategy



- Refreshed and additional content development and postings of relevant material and coverage from and of events, the media and the MPWMD
  - Management of your current Social Media presence to ensure consistent messaging and relevant content
  - Identification of new and viable platforms to utilize and integrate into the plan including YouTube, Twitter, Pinterest, Instagram, etc.
  - Outreach to, and integration with, industry blogs and information sources
- **Advertising**
    - Review existing advertising commitments, as well as research and provide strategic counsel as relevant advertising opportunities arise in alignment with agreed upon MPWMD based outreach.
    - Upon receipt from graphic designer/artist/producer, provide appropriate artwork and related materials/information to advertising outlets
    - Manage an advertising schedule to ensure proper placement, per agreed upon contracts
    - Post-buy analysis to ensure agreed upon audience composition, reach and frequency
- **Data/Contact Information Collection System**
    - Management of current Data Collection System, MailChimp
    - Continued creation of tactics and themes for future email marketing efforts and the outreach of the MPWMD
    - Continued creation and implementation of data collecting initiatives to increase database totals and targeted reach
    - Creation of industry partnerships to ensure widespread reach of public outreach initiatives
- **Coordination of Annual Newsletter/Copywriting**
    - Utilizing agreed upon messaging and information, TBC will work with MPWMD staff to provide creative direction and copywriting as needed.
    - If desired TBC can also design the newsletter or work with your current graphic artist
    - TBC also recommends the coordination of key messages, language and style of the newsletter and your other publications or collateral material
- **Specific Initiatives Continued From FY: 16-17\***
  - **Specific Initiatives Initiated in FY: 17-18\***
- **Regular attendance at Board of Directors Meetings & Relevant Events**
  - **General Strategic Counsel & Regular Meetings/Communication with MPWMD Board of Directors, Staff, Shareholders, and Project Partners.**

**Disclosure**

*Thomas Brand Consulting is not party to any former or current ongoing civil or criminal investigation or litigation. At no time has our company defaulted or failed to perform our duties leading to a legal termination of contract.*

**\*Specific Deliverables**

Upon the agreement of both parties to the Scope of Work, a schedule of deliverables will be determined based upon an agreed to communications strategy and outreach plan. The tenants of which follow on a separate document. That draft schedule is included on a separate sheet

**Budget**

Per the above outlined Scope of Work, Thomas Brand Consulting, LLC proposes a contractual retainer for 12 months with a range of 30 to 32 hours per month. A \$3500 retainer is proposed for July 1, 2017 through June 30, 2018 totaling \$42,000. All out of scope work unless otherwise agreed upon in writing by both parties shall be billed at \$150 per hour. The costs of any associated media buys or collateral production that would fall under the proposed Scope of Work will be determined upon examination of current programs.

The proposed contract does not include creative expenses such as graphic design, web development, photography, video production, any and all media buys and out of pocket expenses including travel/mileage, printing, postage and items associated with the production of events. Thomas Brand Consulting requires client approval for outside expenses greater than \$150.00.

Upon the approval of the of the agreed upon contract and any additional budget stipulations, work will start on an agreed upon date with the first month's or portion of the first month's payment due. From that point forward, the client will be invoices on the 1<sup>st</sup> of each month, payable within 30 days unless otherwise agreed to by both parties. TBC will work within your established accounting practices to ensure a smooth process.

Additional contractual stipulations to include:

1. Monthly reporting of specific hours utilized per individual project.





**Addendum:**

**INSURANCE**

- A. Consultant shall obtain and keep insurance policies in full force and effect for the following forms of coverage:
  - 1. Automobile liability including property damage and bodily injury with a combined single limit of \$300,000.
  - 2. Comprehensive General Liability (CGL) with a combined single limit of \$1,000,000
  
- 3. Consultant shall add to his/her Comprehensive General Liability insurance policy a severability or interest clause or such similar wording if his/her policy does not automatically have this clause already written into it. Such language shall be similar to: "The insurance afforded applies separately to each insured against whom claim is made or suit is brought, including claims made or suits brought by any person included within the persons insured provision of this insurance against any other such person or organization."
  
- B. Consultant shall provide photocopies of its current Automobile insurance policy (or policies), including endorsements thereto, or current certificates of insurance in lieu thereof, to MPWMD.
  
- C. Consultant shall provide notice to MPWMD of any cancellation or material change in insurance coverage where MPWMD has been named as an insured, such notice to be delivered to the MPWMD in accord with Section XV of this Agreement at least sixty (60) days before the effective date of such change or cancellation of insurance.
  
- D. Evidence acceptable to MPWMD that Consultant has complied with the provisions of this Section VII shall be provided to the MPWMD, prior to commencement of work under this Agreement.
  
- E. All policies carried by Consultant shall provide primary coverage instead of any and all other policies that may be in force. MPWMD shall not be responsible for any premium due for the insurance coverage specified in this Agreement.

**Acceptance of Proposal:**

*MPWMD - Proposed Scope of Work – Public Outreach & Communication*

\_\_\_\_\_  
*David J. Stoldt or Suresh Prasad*  
*Monterey Peninsula Water Management District*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Stephen C. Thomas*  
*TBC Communications & Media*

\_\_\_\_\_  
*Date*

**ITEM: CONSENT CALENDAR****17. CONSIDER AUTHORIZATION TO CONTRACT WITH HAYASHI & WAYLAND TO CONDUCT ANNUAL FINANCIAL AUDIT FOR FISCAL YEAR ENDING 2017, 2018, AND 2019.**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Services &amp; Supplies Professional Fees</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>\$44,000 for 2017, \$45,500 for 2018, \$47,000 for 2019 Plus additional fee for CAFR &amp; GASB75</b>

**General Counsel Approval: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 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 is required to have an audit of its financial records performed on an annual basis. The three-year agreement with the firm of Hayashi and Wayland (H&W) to conduct the annual audit expired with the completion of the audit for Fiscal Year (FY) 2015-2016. Due to the uniqueness of the District's operations, including its involvement with the CAWD/PBCSD Wastewater Reclamation Project (Project), there is a high learning curve for auditors to become sufficiently knowledgeable with the District's financial records to enable them to complete a timely and adequate audit. H&W has also conducted audits of the Project in the past, and although the Project currently utilizes a different auditing firm, H&W's familiarity with the Project makes it much easier for them to incorporate the Project's current financial information into the District's audit report. Based on this familiarity with the operations of the District and the Project, as well as the excellent quality of past audits, District staff is requesting a new three-year proposal from H&W.

H&W has submitted a three-year proposal to conduct the audits for fiscal year ending 2017, 2018, and 2019 in the amount of \$136,500. The base audit fee includes costs to cover for Governmental Accounting Standards Board (GASB) 68 standards, which includes standards for pension reporting. In addition, additional fee would be incurred each year for Comprehensive Annual Financial Report compilation as well as for implementation and testing of GASB 75, new reporting standards for Other Post-Employment Benefits. The fee estimated for FYE 2017 including the additional services is a not-to-exceed price of \$61,500.

**RECOMMENDATION:** District staff recommends that the Board authorize the Chief Financial Officer to enter into a three-year agreement with Hayashi & Wayland to conduct the annual audit of the District's financial records for a total cost of \$136,500 plus additional fee for CAFR compilation and implementation of GASB75 standards. The Administrative Committee

reviewed this item at its June 12, 2017 meeting and recommended approval by a vote of 3 to 0. Approval of this expenditure is contingent upon adoption of the Fiscal Year 2017-2018 Budget.

**BACKGROUND:** Annually, the District is required to secure an independent audit of its financial operations in conformance with the requirements set by the Governmental Accounting Standards Board and the California State Controller. Due to the uniqueness of the District's operations, including its involvement with the Reclamation Project, the District has used the accounting firm of H&W to conduct the annual audit of the District's financial records since 1989.

## **EXHIBIT**

### **17-A Hayashi & Wayland Audit Proposal**

file:///U:\staff\Boardpacket\2017\20170619\ConsentCldr\17\Item-17.docx



## HAYASHI | WAYLAND

June 1, 2017

To the Board of Directors/Administrative Committee  
 Monterey Peninsula Water Management District  
 P.O. Box 85  
 Monterey, California 93942

Attention: Suresh Prasad, C.F.O.

The purpose of this letter is to set your fee expectations regarding the audit(s) for the year(s) ended June 30, 2017 or June 30, 2017, 2018 and 2019.

Our fee estimates are based to a large extent on the quality, timeliness, and accuracy of the audit documentation that you and your staff prepare and the number and complexity of adjustments required to your general ledger(s). We will prepare a detailed list of the expected audit documentation which you will need to prepare before beginning the audit(s). The audit documentation will need to be completed prior to fieldwork at which time we perform a review of them in your offices. The estimates do not include any accounting assistance required to assist you in properly preparing the required audit documentation listed in the "Prepared by Client (PBC) List". The estimates also do not include additional time required to reconcile the audit documentation to appropriate detail and/or to the general ledger(s). Additional time will be billed at standard rates. The estimates assume that the audit documentation will be completely ready one week before the agreed upon starting dates for the audit(s). The following are our estimates:

Audit (\*) Single Year – 2017 \$48,500

Audit (\*) 3 Year Engagement:

2017	\$44,000
2018	\$45,500
2019	\$47,000

\* Includes fees for compliance with the group audit standards.

In addition to the base audit fee estimated above, there will be additional fees annually for the implementation and ongoing testing of GASB 75 and any required CAFR assistance. The implementation of new standards require us to perform more extensive procedures than in the past, resulting in an additional time commitment from both your employees and our audit personnel.

We estimate annual fees for the additional services as follows:

GASB 75 Implementation/testing	\$7,000-10,000
CAFR Assistance\$	\$7,500



Monterey Peninsula Water Management District  
June 1, 2017  
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If you have any questions regarding this fee estimate, please feel free to contact me.

Sincerely,

Rae Gularte, CPA  
Hayashi Wayland



**ITEM: CONSENT CALENDAR****18. CONSIDER ADOPTION OF RESOLUTION 2017-07 CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS, AND PROPERTY-RELATED FEES AND CHARGES**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>Yes</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>Revenues</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>\$9,000</b>

**General Counsel Approval: Yes****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** At its February 23, 2012 meeting, the Board directed staff to implement a Proposition 218 process for the development of water fees and charges, including the hiring of a rate consultant and the development of the necessary ordinances, resolutions, and notices for implementation thereof.

At its April 16, 2012 meeting, the Board reviewed as an informational item two alternative draft resolutions for the collection mechanism of the proposed annual Water Supply Charge. At its June 27, 2012 meeting the Board reviewed and approved Resolution 2012-06 for collection of Water Supply Charge through County Assessor's Office. At this time, the Board is asked to adopt Resolution 2017-07 certifying compliance with State law with respect to the Water Supply Charge to allow the County of Monterey to continue collection of the Water Supply Charge on the property tax bill. This Resolution gets adopted by our Board annually.

The County will charge the District 0.25% of the amount that is collected by the County. The approximate collection fee for this fiscal year will be \$9,000.

**RECOMMENDATION:** The Board should review and adopt Resolution 2017-07 and authorize the County of Monterey for collection of Water Supply Charge on the property tax bill. The Administrative Committee reviewed this item at its June 12, 2017 meeting and recommended approval by a vote of 3 to 0. Approval of this item is contingent upon adoption of the Fiscal Year 2017-2018 budget.

**BACKGROUND:** There were two alternatives for the water supply charge collection mechanism: Alternative A was bills sent directly by the District or through a third-party mailing house; Alternative B was the use of the semi-annual County Assessor's bill, similar to what is the current practice for Carmel Area Wastewater District and the water recipients under the

Castroville Seawater intrusion Project. At its June 27, 2012 meeting the Board reviewed and approved Resolution 2012-06 for collection of Water Supply Charge on the County Assessor's Office.

**EXHIBITS**

**18-A** Resolution 2017-07 – Property-Related Fees and Charges

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**EXHIBIT 18-A**

**RESOLUTION 2017-07**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT  
TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS,  
AND PROPERTY-RELATED FEES AND CHARGES**

**WHEREAS**, Monterey Peninsula Water Management District (“Public Agency”) requests that the Monterey County Auditor-Controller enter those general or special taxes, assessments, or property-related Fees or charges identified in Exhibit “A” on the tax roll for collection and distribution by the Monterey County Treasurer-Tax Collector commencing with the property tax bills for fiscal year 2017-18;

**NOW, THEREFORE, BE IT RESOLVED**, as follows:

1. The Public Agency hereby certifies that it has, without limitation, complied with all legal procedures and requirements necessary for the levying and imposition of the general or special taxes, assessments, or property-related fees or charges identified in Exhibit “A”, regardless of whether those procedures and requirements are set forth in the Constitution of the State of California, in State statutes, or in the applicable decisional law of the State of California.

2. The Public Agency further certifies that, except for the sole negligence or misconduct of the County of Monterey, its officers, employees, and agents, with regards to the handling of the Cd or electronic file identified as Exhibit “A”, the Public Agency shall be solely liable and responsible for defending, at its sole expense, cost, and risk, each and every action, suit, or other proceeding brought against the County of Monterey, its officers, employees, and agents for every claim, demand, or challenge to the levying or imposition of the general or special taxes, assessments, or property-related fees or charges identified in Exhibit “A” and that it shall pay or satisfy any judgment rendered against the County of Monterey, its officers, employees, and agents on every such action, suit, or other proceeding, including all claims for refunds and interest thereon, legal fees and court costs, and administrative expenses of the County of Monterey to correct the tax rolls.

On motion of Director \_\_\_\_\_, and second by Director \_\_\_\_\_, the foregoing resolution is duly adopted this 19<sup>th</sup> day of June 2017 by the following votes:

AYES:

NAYS:

ABSENT:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 19<sup>th</sup> day of June 2017.

Witness my hand and seal of the Board of Directors this \_\_\_\_ day of June 2017.

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David J. Stoldt,  
Secretary to the Board

EXHIBIT "A"  
TO  
RESOLUTION CERTIFYING COMPLIANCE WITH STATE LAW WITH RESPECT  
TO THE LEVYING OF GENERAL AND SPECIAL TAXES, ASSESSMENTS, AND  
PROPERTY-RELATED FEES AND CHARGES

FISCAL YEAR 2017-18

GENERAL TAXES:

SPECIAL TAXES:

ASSESSMENTS:

PROPERTY-RELATED FEES AND CHARGES:

The annual Water Supply Charge may only be used to fund District water supply activities, including capital acquisition and operational costs for Aquifer Storage and Recovery and Groundwater Replenishment purposes, as well as studies related to projects necessary to ensure sufficient water is available for present beneficial water use.



**ITEM: CONSENT CALENDAR****19. CONSIDER ADOPTION OF RESOLUTION 2017-10 ESTABLISHING ARTICLE XIII (B) FISCAL YEAR 2017-2018 APPROPRIATIONS LIMIT**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** Article XIII (B) of the California Constitution requires that an appropriations limit be calculated on an annual basis. Attached as **Exhibit 19-A** is Resolution 2017-10, A Resolution of the Board of Directors of the Monterey Peninsula Water Management District Establishing an Appropriations Limit for Fiscal Year 2017-2018. The resolution establishes an appropriations limit of \$1,655,573 for fiscal year 2017-2018 as calculated on the Property Tax Appropriations Limit worksheet, which is **Attachment 1** to the resolution. The worksheet also shows the District estimates that it will receive \$1,750,000 in property tax revenues during that fiscal year. After subtracting exempt appropriations of \$1,765,900 from the estimated property tax revenues, the appropriations subject to the limit are \$(15,900), which is under the appropriations limit calculated under the provisions of Article XIII (B), resulting in estimated excess tax revenue of \$0.00.

**RECOMMENDATION:** Staff recommends adoption of Resolution 2017-10, A Resolution of the Board of Directors of the Monterey Peninsula Water Management District Establishing an Appropriations Limit for Fiscal Year 2017-2018 in the amount of \$1,655,573. The Administrative Committee reviewed this item at its June 12, 2017 meeting and voted 3 to 0 to recommend approval. Approval of this resolution is contingent upon adoption of the Fiscal Year 2017-2018 Budget.

**EXHIBITS****19-A** Draft Resolution 2017-10 – Establishing an Appropriations Limit



**DRAFT****EXHIBIT 19-A****RESOLUTION 2017-10**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
 MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
 ESTABLISHING AN APPROPRIATIONS LIMIT  
 FOR FISCAL YEAR 2017-2018**

**WHEREAS**, Article XIII (B) of the California Constitution requires that each local government agency annually establish an appropriations limit; and

**WHEREAS**, the Monterey Peninsula Water Management District desires to establish its appropriations limit for the purpose of setting its budget;

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Monterey Peninsula Water Management District hereby determines that the 2017-2018 appropriations limit for the District is \$1,655,573 based on a 2017-2018 multiplier of 1.0434, as shown on **Attachment 1**.

On motion of Director \_\_\_\_\_, and second by Director \_\_\_\_\_, the foregoing resolution is duly adopted this 19<sup>th</sup> day of June 2017 by the following votes:

AYES:

NAYS:

ABSENT:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 19<sup>th</sup> day of June 2017.

Witness my hand and seal of the Board of Directors this \_\_\_\_ day of June 2017.

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David J. Stoldt,  
 Secretary to the Board





ATTACHMENT 1**PROPERTY TAX APPROPRIATION LIMIT  
2017-2018 BUDGET**

Appropriations Limit for 2016-2017	\$1,586,660	
Multiplier	<u>1.0434</u>	note 1
Appropriations Limit for 2017-2018	\$1,655,573	
Appropriations Subject to Limit:		
Property Tax	\$1,750,000	note 2
Exempt Appropriations	<u>(\$1,765,900)</u>	
Total	<u><u>-\$15,900</u></u>	
Appropriations Limit for 2017-2018	<u><u>\$1,655,573</u></u>	
Estimated Excess Tax Revenue	<u><u>\$0</u></u>	

## NOTES:

1. Source: Price and Population Data for Local Jurisdictions  
Department of Finance, May 2017

Price 1.0369 x Population 1.0063 =	1.0434
Price	1.0369
Population	<u>1.0063</u>
Ratio of change	<u><u>1.0434</u></u>

2. Property tax revenue estimate \$1,750,000



**ITEM: CONSENT CALENDAR****20. CONSIDER ADOPTION OF RESOLUTION 2017-11 UPDATE TO RULE 24, TABLE 3, CAPACITY FEE HISTORY**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Gabriela Ayala</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: The Administrative Committee reviewed this item on June 12, 2017 and recommended approval.****CEQA Compliance: This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.**

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**SUMMARY:** District Rule 24 requires that the Capacity Fee History Table be updated annually by Resolution of the Board to reflect the updated Capacity Fee. Resolution 2017-11 (**Exhibit 20-A**) updates Rule 24, Table 3: Capacity Fee History, to reflect the 2017-2018 Capacity Fee.

**RECOMMENDATION:** District staff recommends that the Administrative Committee support adoption of Resolution 2017-11, A Resolution of the Board of Directors of the Monterey Peninsula Water Management District Update to Rule 24, Table 3, Capacity Fee History.

**EXHIBIT****20-A** Resolution No. 2017-11 – Updating Rule 24, Table 3



**DRAFT****EXHIBIT 20-A****RESOLUTION NO. 2017-11**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
UPDATING RULE 24, TABLE 3: CAPACITY FEE HISTORY**

**WHEREAS**, Capacity Fee charges of the Monterey Peninsula Water Management District (MPWMD) are set forth in the MPWMD Rules and Regulations Rule 24; and

**WHEREAS**, this water supply cost component shall be adjusted on July 1st of each year to include the annual increase or decrease of the April Consumer Price Index (CPI), all items, for San Francisco/Oakland, as promulgated by the U.S. Department of Labor Bureau of Statistics; and

**WHEREAS**, the adjusted multiplier shall apply to each Water Permit application received on or after July 1st of each year; and

**WHEREAS**, Rule 24 (C) of the District stipulates that the Capacity Fee History Table shall be updated annually by Resolution of the Board to reflect the current year's Capacity Fee.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Monterey Peninsula Water Management District hereby updates the Capacity Fee Table as set forth in **Attachment 1** to this Resolution; and that these changes shall become effective **July 1, 2017**.

On motion of Director \_\_\_\_\_, and second by Director \_\_\_\_\_, the foregoing resolution is duly adopted this 19<sup>th</sup> day of June, 2017, by the following votes:

AYES:

NAYES:

ABSENT:

I, David J. Stoldt, Secretary of the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a full, true and correct copy of a resolution duly adopted on the 19<sup>th</sup> day of June 2017.

Witness my hand and seal of the Board of Directors, this \_\_\_\_ day of June, 2017.

\_\_\_\_\_  
David J. Stoldt, Secretary to the Board

**TABLE 3: CAPACITY FEE HISTORY**

YEAR	CAPACITY FEE
1985	\$10,623.20
1985-86	\$11,133.00
1986-87	\$11,433.59
1987-88	\$11,890.93
1988-89	\$12,295.22
1989-90	\$12,983.75
1990-91	\$13,529.07
1991-92	\$14,056.70
1992-93	\$14,661.00
1993-94	\$15,202.00
1994-95	\$15,325.00
1995-96	\$15,692.00
1996-97	\$15,960.00
1997-98	\$16,551.00
1998-99	\$17,048.00
1999-00	\$17,832.00
2000-01	\$18,492.00
2001-02	\$19,565.00
2002-03	\$19,976.00
2003-04	\$20,415.00
2004-05	\$20,517.00
2005-06	\$20,948.00
2006-07	\$21,618.00
2007-08	\$22,331.00
2008-09	\$22,979.00
2009-10	\$23,163.00
2010-11	\$23,567.00
2011-12	\$24,227.00
2012-13	\$24,735.00
2013-14	\$25,328.00
2014-15	\$26,037.00
2015-16	\$26,661.00
2016-17	\$27,380.00
<b>2017-2018</b>	<b>\$28,420.00</b>

**ITEM: CONSENT CALENDAR****21. CONSIDER ADOPTION OF RESOLUTION NO. 2017-12 -- AMENDING FEES AND CHARGES TABLE – RULE 60**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	
<b>Prepared By:</b>	<b>Gabriela Ayala</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on June 12, 2017 and recommended approval.**CEQA Compliance:** This action does not constitute a project as defined by the California Environmental Quality Act Guidelines section 15378.

**SUMMARY:** Resolution 2017-12 (**Exhibit 21-A**) updates Rule 60, Fees and Charges Table, to reflect actual expenses incurred by the District to process Residential and Non-Residential Water Permit Applications, perform inspections, review landscape plans, and to process Requests from Confirmation of Exemptions. The Fees and Charges are intended to have a positive correlation to the actual time, effort, and cost of providing the services and taking the actions set forth in the Fees and Charges Table. Changes are shown in Attachment 1 to the Resolution in bold-italics (new text) and strikethrough (deletions).

**RECOMMENDATION:** Staff recommends that the Board adopt Resolution 2017-12, A Resolution of the Board of Directors of the Monterey Peninsula Water Management District Amending Rule 60, Fees and Charges Table. The Administrative Committee considered this matter on June 12, 2017, and recommended approval. This item will be approved if adopted along with the Consent Calendar.

**EXHIBITS****21-A** Resolution No. 2017-12 – Amending Rule 60, Fees and Charges Table





**DRAFT****EXHIBIT 21-A****RESOLUTION 2017-12**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
AMENDING RULE 60, FEES AND CHARGES TABLE**

**WHEREAS:** Fees and charges of the Monterey Peninsula Water Management District (MPWMD) are set forth in the MPWMD Rules and Regulations in Rule 60;

**WHEREAS:** The Fees and Charges bear a positive correlation to the actual time, effort and cost of providing the listed services and actions set forth in the Fees and Charges Table;

**NOW, THEREFORE, BE IT RESOLVED:** That the Board of Directors of the Monterey Peninsula Water Management District hereby shall amend the Fees and Charges Table as set forth in **Attachment 1** to this Resolution; and that this change shall become effective on July 1, 2017.

On motion by \_\_\_\_\_, and second by \_\_\_\_\_, the foregoing Resolution is adopted upon this 19th day of June 2017, by the following vote:

AYES:

NAYS:

ABSENT:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify the foregoing resolution was duly adopted on the 19th day of June 2017.

Witness my hand and seal of the Board of Directors this \_\_\_\_ day of June 2017.

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David J. Stoldt, Secretary to the Board

**ATTACHMENT 1**

Fees and Charges Table (June 19, 2017)

<b>Action</b>		<b>Fee</b>
<b>Action on any Appeal/Variance</b>		
1	Appeal <i>or</i> Variance	\$700 <del>900</del> plus \$70 <del>90</del> /hour for more than 10 hours
2	Short-Term Variance (Rule 91)	\$125
3	<del>Variance for Site with Water Use Capacity less than one half (0.5) Acre Foot annually (Rule 90)</del>	<del>\$250 plus \$70/hour for more than 10 hours</del>
4	<del>Variance for Site with Water Use Capacity greater than one half (0.5) Acre Foot but not more than one (1.0) Acre Foot (Rule 90)</del>	<del>\$500 plus \$70/hour for more than 10 hours</del>
5	<del>Variance for Site with Water Use Capacity greater than one (1.0) Acre Foot annually (Rule 90)</del>	<del>\$750 plus \$70/hour for more than 10 hours</del>
<b>Action on any Permit</b>		
6	Administrative fee to monitor, review and enforce applications and/or Permits for Special Circumstances (Rule 24)	\$1400 <del>1800</del> plus \$70 <del>90</del> /hour for more than 20 hours
7	Amendment to a Non-Residential Water Permit (Rule 23)	\$140 <del>180</del> per amendment plus \$70 <del>90</del> /hour for more than 2 hours
8	Amendment to a Residential Water Permit (Rule 23)	\$105 <del>135</del> per amendment plus \$70 <del>90</del> /hour for more than 1.5 hours
9	Application for Conditional Water Permit (Rule 23)	\$350 <del>450</del> per structure plus \$70 <del>90</del> /hour for more than 5 hours
10	Application Fee for Confirmation of Exemption (Rule 21)	\$600 per Application. If needed, additional staff hours are charged at a rate of \$95 <del>99</del> /hour; recovery for other MPWMD actual direct costs will be additional if not covered by the initial \$600 fee
11	Application Fee Deposit to Create/Establish or Amend a WDS, Level 1 <i>or</i> 2 Permit (Rules 21 and 22)	\$1,200 per Application. If needed additional staff hours are charged at a rate of \$95 <del>99</del> /hour; recovery for other MPWMD actual direct costs will be additional if not covered by the initial \$1,200 fee; unused funds will be refunded
12	<del>Application Fee Deposit to Create/Establish or Amend a WDS, Level 2 Permit (Rules 21 and 22)</del>	<del>\$1,200 per Application. If needed, additional staff hours are charged at a rate of \$95/hour; recovery for other MPWMD actual direct costs will be additional if not covered by the initial \$1,200 fee; unused funds will be refunded</del>
13	Application Fee Deposit to Create/Establish or Amend a WDS, Level 3 Permit (Rules 21 and 22)	\$3,000 per Application. If needed, additional staff hours are charged at a rate of \$95 <del>99</del> /hour; recovery of other MPWMD actual direct costs will be additional if not covered by the initial \$3,000 fee; unused funds will be refunded

14	WDS Permit Pre-Application Consultation (Rule 22)	There shall be no charge for the first hour of consultation with MPWMD staff regarding the WDS Permit process. An Application Form and associated fee must be submitted after the first hour unless otherwise determined by the General Manager due to unusual circumstances
15	Application to Create/Establish a Water Distribution System or Amend a Water Distribution System Creation Permit -- Deposit for Unusually Complex Projects: “Unusually complex projects” are defined as projects requiring MPWMD staff time substantially <del>in excess of</del> <b>more than</b> the hours stated in the Application Fee to Create a Water Distribution System. In these situations, staff will review the cumulative total of hours and expenses accrued each quarter (January, April, July and October). The applicant will be billed if the quarterly unpaid total is more than \$500 over the initial fee. The applicant must pay the overage within 30 days of the invoice for staff to continue processing the application. The Confirmation of Exemption or WDS Permit is not signed and recorded until all fees are paid (Rules 21 and 22)	<b>\$3,000 plus any additional staff or legal review as</b> <del>Determined on a case-by-case basis by the General Manager based on staff hours and legal review needed</del>
16	Application to Create/Establish a Water Distribution System or Amend a Water Distribution System Creation Permit – Legal Fees: Any legal work performed by MPWMD Counsel associated with the Application is charged to the Applicant at actual cost, based on the hourly rate of retained MPWMD legal counsel at the time services are rendered (Rule 22)	Actual cost, based on the hourly rate of retained MPWMD legal counsel at the time services are rendered
17	Application to Create/Establish a Water Distribution System or Amend a Water Distribution System Creation Permit – Unused Funds (Rule 22)	Unused deposits or Application fee will result in a refund of unused funds to the Applicant
18	Water Permit to Reinstall Meter (Former use documented under Rule 25.5)	No Fee
19	Application to Split an Existing Meter	No Fee
20	Application for Temporary Water Permit (Rule 23)	<del>\$350</del> <b>450</b> per structure plus <del>\$70</del> <b>90</b> /hour for more than 5 hours
21	Application for Non-Residential Water Permit (Rule 23)	<del>\$350</del> <b>450</b> per structure plus <del>\$70</del> <b>90</b> /hour for more than 5 hours
22	Plan Check for Non-Residential Waivers	<del>\$105</del> <b>225</b> per structure
23	Application for Residential Water Permit (Rule 23)	<del>\$210</del> <b>225</b> per Dwelling Unit plus <del>\$70</del> <b>90</b> /hour for more than 3 hours

24	Plan Check for Residential Waivers	\$105 225 per Dwelling Unit
25	Capacity Fees -- (Moderate Income Housing) (Rule 24.5)	50% of Capacity Fees set pursuant to Rule 24
26	Capacity Fees -- (Low-Income Housing) (Rule 24.5)	Exempt from Capacity Fees set pursuant to Rule 24
27	Capacity Fees - Residential and Non-Residential Water Permits	See Rule 24
28	Recalculation of Final Capacity Fees (Rule 23)	\$70 90 per hour of staff time for all necessary efforts in excess of five hours per Site
29	Direct Costs - Publication Expenses, Filing Fees, Etc. (Rule 60)	Actual cost incurred by District - Applies to Water Distribution System Permits only
30	Permit Fee Payment Plans (Limited to California Non-Profit Public Benefit Corporations and requires Board approval and finding of substantial financial hardship) (Rule 24)	Deferred interest rate set by the Board
31	Pre-Application Consulting relating to Water Permits (First 30 minutes free) (Rule 20)	\$210 225 plus \$70 90 per hour for more than 3 hours
32	Refund of Capacity Fees (Rule 24)	\$70 90 processing fee
33	River Work Permits (see separate list below)	
34	Water Entitlement Related Activity - (see separate list below)	
35	Water Use Credits - On-Site Credits (see separate list below)	
36	Water Use Credits – Transfers (see separate list below)	
37	<b><i>Review Landscape Plans</i></b>	<b><i>\$90</i></b>
<b>Document Preparation, Processing, Review or Retrieval (Rule 60)</b>		
<del>37</del> 38	Deed Preparation and Review by Staff	\$105 110 per transaction. Included in Standard Water Permit processing fees
39	<b><i>Legal Review of Deed Restrictions for an LLC, Company, HOA, Corporations, Partnerships, etc.</i></b>	<b><i>\$150</i></b>
<del>38</del> 40	Direct Costs -- Publication Expenses, Etc.	Actual cost incurred by District
<del>39</del> 41	Direct Costs for Deed Restrictions -- Courier Charge, Federal Express, <b><i>E-record</i></b>	Actual cost incurred by District <del>when less than three deed restrictions are being transported</del>
4042	Direct Costs for Deed Restrictions - Courier Charge, Expedited Service, <b><i>E-record</i></b>	\$110 75 per occurrence. <del>Charged the hourly rate of \$70 per hour for MPWMD staff time, including direct costs incurred from courier service</del>
4143	Document Recordation (if separate from review or preparation)	Actual cost incurred by District (document lengths vary)

4244	Legal Review performed by MPMWD Counsel on Deed Restrictions Related to Appeals, Permits, Variances, Water Use Credits, or other Activities	Charged at the hourly rate of retained MPWMD legal counsel at the time services are rendered
<b>Expanded Water Conservation and Standby Rationing Plan</b>		
4345	Misrepresentation of resident survey information during Stage 4, 5, 6 and 7 (Rule 170)	\$250 for each offense. Each separate day or portion thereof during which any violation occurs or continues without a good-faith effort by the responsible Water User to correct the violation. See Rule 170.
<b>Publication Fees</b>		
4446	MPWMD Rules & Regulations (Rule 60)	\$27 <del>46</del> per copy
4547	Photocopies (Rule 60)	Ten (10) cents per page
4648	Well Registration Form (Rule 52)	\$25 <del>50</del> per Form
<b>Rationing Liens (Rule 60)</b>		
47	<del>Deed Preparation (Lien Release) and Review by Staff</del>	<del>\$105 per transaction</del>
48	<del>Direct Costs for Deed Restrictions—Courier Charge, Federal Express</del>	<del>Actual cost incurred by District when less than three deed restrictions are being transported</del>
49	<del>Document Recordations (if separate from review or preparation)</del>	<del>Actual cost incurred by District</del>
50	<del>Direct Costs for Deed Restrictions—Courier Charge, Expedited Service</del>	<del>\$110 per occurrence. Charged the hourly rate of \$70 per hour for MPWMD staff time, including direct costs incurred from courier service</del>
51	<del>Legal Review performed by MPMWD Counsel on Deed Restrictions Related to Appeals, Permits, Variances, Water Use Credits, or other Activities</del>	<del>Charged at the hourly rate of retained MPWMD legal counsel at the time services are rendered</del>
<b>Rebate Processing</b>		
5249	Application for Rebate	No charge
<b>River Work Permits (Rules 126 and 127)</b>		
5350	Minor River Work	\$25 per application
5451	River Work Permit	\$50 per application
5552	Emergency River Work	\$50 per application
5653	Unusually Complex Applications	Actual cost incurred by District for MPWMD staff time in excess of five (5) hours per application plus direct costs
<b>Inspection Activities (Rule 110)</b>		
5754	Cancellation of Inspection (less than 24 hours notice)	\$70 <del>75</del> per inspection

<del>5855</del>	No-Show; Failure to Provide Access for Scheduled Inspection	<del>\$70</del> 75 per inspection
<del>5956</del>	Conservation Verification Inspection Pursuant to Rule 143 and 144 (Retrofit of Existing Commercial Uses and Change of Ownership or Use)	No Charge
<del>6057</del>	Site Inspection (pre-application, or not associated with a planned application, or inspection to document Non-Residential retrofit pursuant to Rule 25.5)	<del>\$105</del> 110 per inspection
<del>6158</del>	Re-Inspection (original inspection not in compliance)	<del>\$105</del> 110 per inspection
<del>6259</del>	Repeat Inspection (overlooked fixtures or failure to show all fixtures)	<del>\$70</del> 75 per inspection
<b>Variance</b>		
<del>63</del>	See “Action on any Appeal/Variance” section, above.	
<b>Water Use Permit Fees (Rule 23.5)</b>		
<del>6460</del>	Amendment to a Water Use Permit (Water Entitlement Process) (also may require Capacity Fees pursuant to Rule 24)	<del>\$350</del> 450 plus <del>\$70</del> 90/hour for more than 5 hours
<del>6561</del>	Application for Water Use Permit (Water Entitlement Process) (also may require Connection Charges pursuant to Rule 24)	<del>\$210</del> 270 per Site plus <del>\$70</del> 90/hour for more than 3 hours; also see Rule 24
<del>6662</del>	Water Use Permit Monitoring (Water Entitlement Process) (Rule 23.5)	<del>\$70</del> 90 plus <del>\$70</del> 90/hour for more than 1 hour
<del>6763</del>	3rd Party Consulting or Ancillary Costs (Rule 23.5)	Actual cost incurred by District
<del>6864</del>	Legal work performed by MPMWD Counsel on Water Entitlement Related Actions (Rule 23.5)	Charged at the hourly rate of retained MPWMD legal counsel at the time services are rendered
<del>6965</del>	Direct Costs – Courier Charge, Federal Express Charges	Actual cost incurred by District when less than three deed restrictions are being transported
<b>Water Use Credits and On-Site Credit Activity (Rule 25.5)</b>		
<del>7066</del>	Extension of a prior documented On-Site Water Use Credit	<del>\$70</del> 90 plus <del>\$70</del> 90 per hour for more than 1 hour
<del>7167</del>	Documentation of Water Use Credit -- Non-Residential (Rule 25.5)	<del>\$105</del> 110 plus <del>\$70</del> 75 per hour for more than 1.5 hours

7268	3rd Party Consulting or Ancillary Costs incurred to verify water use savings	Actual cost incurred by District
<b>Water Credit Transfer Activity (Rule 28)</b>		
7369	Application to Transfer a Water Use Credit (originating Site)	\$ <del>2100</del> 2,700 plus \$70 90 per hour for more than 30 hours
7470	Application for a Water Permit utilizing a Water Credit Transfer (receiving Site)	\$ <del>700</del> 900 plus \$70 90 per hour for more than 10 hours
7571	Complex Transfer fee for projects proposing to save water by means of new water saving technology	\$ <del>2800</del> 3,600 plus \$70 90 per hour for more than 40 hours
7672	3rd Party Consulting or Ancillary Costs incurred to review transfer	Actual cost incurred by District
<b>Water Waste Fees (Rules 160 and 171)</b> <b>Fee amounts are tripled for customers using over 1 million gallons/year</b>		
7773	First offense	No fee: Written notice and opportunity to correct the situation
7874	Fee for first Flagrant Violation during Stages 1-4	\$100
7975	Fee for second Flagrant Violation within 12 months during Stages 1-4	\$250
8076	Fee for third and subsequent Flagrant Violations within 12 months during Stages 1-4	\$500
8177	Fee for the first Flagrant Violation during Stages 5-7	\$150
8278	Fee for subsequent Flagrant Violations within 12 months during Stages 5-7	\$500
8379	Fee for Administrative Compliance Order or Cease & Desist Order	Up to \$2,500 per day for each ongoing violation, except that the total administrative penalty shall not exceed one hundred thousand dollars (\$100,000.00) exclusive of administrative costs, interest and restitution for compliance re-inspections, for any related series of violations
8480	Late payment charges	Half of one percent of the amount owed per month
<b>Well Monitoring Activity (Rule 52)</b>		
8581	Registration of an Existing Well -- Non-Public Entities	\$ <del>10</del> 50 per Registration

8682	Registration of an Existing Well -- Public Entities	No Fee
8783	Registration of a New Well -- Non-Public Entities	No Fee
8884	Registration of a New Well -- Public Entities	No Fee
8985	Well Registration Form	<del>\$25</del> 50 per Form
9086	Application to Convert Water Well to Monitor Well	\$2550 Application Fee <del>\$500</del> 550 Conversion Fee (upon application approval)

file:///U:/staff/Boardpacket/2017/20170619/ConsentCldr/21/Item-21-Exh-A.docx



**ITEM: CONSENT CALENDAR****22. CONSIDER ADOPTION OF TREASURER'S REPORT FOR APRIL 2017**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review:** N/A**Committee Recommendation:** The Administrative Committee considered this item on June 12, 2017 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 22-A comprises the Treasurer's Report for April 2017. Exhibit 22-B, Exhibit 22-C and Exhibit 22-D are listings of check disbursements for the period April 1-30, 2017. Check Nos. 29021 through 29165, the direct deposits of employee's paychecks, payroll tax deposits, and bank charges resulted in total disbursements for the period in the amount of \$406,245.84. That amount included \$16,026.44 for conservation rebates. Exhibit 22-E reflects the unaudited version of the financial statements for the month ending April 30, 2017.

**RECOMMENDATION:** District staff recommends adoption of the April 2017 Treasurer's Report and financial statements, and ratification of the disbursements made during the month. The Administrative Committee reviewed this item at its June 12, 2017 meeting and voted 3 to 0 to recommend approval.

**EXHIBITS**

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



**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
TREASURER'S REPORT FOR APRIL 2017**

<u>Description</u>	<u>Checking</u>	MPWMD		Wells Fargo	MPWMD	Rabobank	PB
		<u>Money Market</u>	<u>L.A.I.F.</u>	<u>Investments</u>	<u>Total</u>	<u>Line of Credit</u>	<u>Reclamation Money Market</u>
Beginning Balance	(\$1,207,251.38)	\$34,890.78	\$1,702,951.00	\$1,517,180.61	\$ 2,047,771.01	\$0.00	\$406,565.96
Fee Deposits		372,257.27			372,257.27		393,510.01
Line of Credit Draw/Payoff					0.00		
Interest		7.93	2,875.92	2,072.31	4,956.16		1.78
Transfer to/from LAIF					0.00		
Transfer-Money Market to Checking	\$1,100,000.00	(1,100,000.00)			0.00		
Transfer-Money Market to W/Fargo					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		2,023,382.76			2,023,382.76		
Transfer to CAWD					0.00		(536,000.00)
Voided Cks					0.00		
Bank Corrections/Reversals/Errors					0.00		
Bank Charges/Rtn'd Deposits/Other	(\$352.24)	(33.30)			(385.54)		(6.00)
Payroll Tax Deposits	(34,111.29)				(34,111.29)		
Payroll Checks/Direct Deposits	(117,765.31)				(117,765.31)		
General Checks	(254,017.00)				(254,017.00)		
Bank Draft Payments					0.00		
<b>Ending Balance</b>	<b>(\$513,497.22)</b>	<b>\$1,330,505.44</b>	<b>\$1,705,826.92</b>	<b>\$1,519,252.92</b>	<b>\$4,042,088.06</b>	<b>\$0.00</b>	<b>\$264,071.75</b>



**Check Report**

By Check Number

Date Range: 04/01/2017 - 04/30/2017



Monterey Peninsula Water Management Dist

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Bank Code: APBNK</b>	<b>-Bank of America Checking</b>					
05994	Robert Brower Sr.	04/05/2017	Regular	0.00	-334.43	29013
00263	Arlene Tavani	04/07/2017	Regular	0.00	114.76	29024
00253	AT&T	04/07/2017	Regular	0.00	1,714.89	29025
00983	Beverly Chaney	04/07/2017	Regular	0.00	400.00	29026
00252	Cal-Am Water	04/07/2017	Regular	0.00	108.64	29027
00252	Cal-Am Water	04/07/2017	Regular	0.00	83.76	29028
01352	Dave Stoldt	04/07/2017	Regular	0.00	1,481.45	29029
00758	FedEx	04/07/2017	Regular	0.00	577.69	29030
04717	Inder Osahan	04/07/2017	Regular	0.00	1,149.00	29031
00769	Laborers Trust Fund of Northern CA	04/07/2017	Regular	0.00	28,550.00	29032
00222	M.J. Murphy	04/07/2017	Regular	0.00	40.57	29033
09983	Maryan Gonnerman	04/07/2017	Regular	0.00	300.00	29034
00242	MBAS	04/07/2017	Regular	0.00	245.00	29035
13396	Navia Benefit Solutions, Inc.	04/07/2017	Regular	0.00	85.00	29036
00225	Palace Office Supply	04/07/2017	Regular	0.00	1,222.25	29037
00154	Peninsula Messenger Service	04/07/2017	Regular	0.00	235.00	29038
00755	Peninsula Welding Supply, Inc.	04/07/2017	Regular	0.00	163.83	29039
00282	PG&E	04/07/2017	Regular	0.00	5,284.40	29040
07627	Purchase Power	04/07/2017	Regular	0.00	500.00	29041
00262	Pure H2O	04/07/2017	Regular	0.00	64.41	29042
00251	Rick Dickhaut	04/07/2017	Regular	0.00	1,030.00	29043
05994	Robert Brower Sr.	04/07/2017	Regular	0.00	334.43	29044
00283	SHELL	04/07/2017	Regular	0.00	834.64	29045
04709	Sherron Forsgren	04/07/2017	Regular	0.00	650.33	29046
02838	Solinst Canada Ltd	04/07/2017	Regular	0.00	2,324.00	29047
03979	Special Districts Association of Monterey County	04/07/2017	Regular	0.00	60.00	29048
09425	The Ferguson Group LLC	04/07/2017	Regular	0.00	4,587.16	29049
00207	Universal Staffing Inc.	04/07/2017	Regular	0.00	3,535.85	29050
00763	ACWA-JPIA	04/14/2017	Regular	0.00	414.85	29099
00760	Andy Bell	04/14/2017	Regular	0.00	699.00	29100
00263	Arlene Tavani	04/14/2017	Regular	0.00	171.77	29101
00983	Beverly Chaney	04/14/2017	Regular	0.00	325.22	29102
00036	Bill Parham	04/14/2017	Regular	0.00	650.00	29103
12188	Brown and Caldwell	04/14/2017	Regular	0.00	13,062.68	29104
00252	Cal-Am Water	04/14/2017	Regular	0.00	210.18	29105
00243	CalPers Long Term Care Program	04/14/2017	Regular	0.00	50.06	29106
00224	City of Monterey	04/14/2017	Regular	0.00	697.75	29107
14036	City of Sand City	04/14/2017	Regular	0.00	150.00	29108
00028	Colantuono, Highsmith, & Whatley, PC	04/14/2017	Regular	0.00	498.00	29109
01009	Cory Hamilton	04/14/2017	Regular	0.00	219.90	29110
11822	CSC	04/14/2017	Regular	0.00	2,000.00	29111
04041	Cynthia Schmidlin	04/14/2017	Regular	0.00	630.67	29112
00046	De Lay & Laredo	04/14/2017	Regular	0.00	22,703.38	29113
13077	Enviro-Equipment, Inc.	04/14/2017	Regular	0.00	1,500.00	29114
07624	Franchise Tax Board	04/14/2017	Regular	0.00	100.00	29115
12655	Graphicsmiths	04/14/2017	Regular	0.00	192.50	29116
00768	ICMA	04/14/2017	Regular	0.00	4,840.09	29117
05371	June Silva	04/14/2017	Regular	0.00	396.12	29118
06999	KBA Docusys	04/14/2017	Regular	0.00	2,123.85	29119
00222	M.J. Murphy	04/14/2017	Regular	0.00	42.93	29120
00259	Marina Coast Water District	04/14/2017	Regular	0.00	127.53	29121
00259	Marina Coast Water District	04/14/2017	Regular	0.00	180.00	29122
00118	Monterey Bay Carpet & Janitorial Svc	04/14/2017	Regular	0.00	1,000.00	29123
00274	MRWPCA	04/14/2017	Regular	0.00	148.21	29124

**EXHIBIT 22-B**

Check Report

Date Range: 04/01/2017 - 04/30/2017

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
13396	Navia Benefit Solutions, Inc.	04/14/2017	Regular	0.00	975.38	29125
00257	Pacific Grove Chamber of Commerce	04/14/2017	Regular	0.00	590.00	29126
13296	Peninsula Business Interiors	04/14/2017	Regular	0.00	5,206.91	29127
00755	Peninsula Welding Supply, Inc.	04/14/2017	Regular	0.00	29.10	29128
00282	PG&E	04/14/2017	Regular	0.00	9.53	29129
00282	PG&E	04/14/2017	Regular	0.00	20.18	29130
00282	PG&E	04/14/2017	Regular	0.00	7.87	29131
13430	Premier Global Services	04/14/2017	Regular	0.00	48.17	29132
00176	Sentry Alarm Systems	04/14/2017	Regular	0.00	125.00	29133
04341	State Board of Equalization	04/14/2017	Regular	0.00	1,248.00	29134
04719	Telit IoT Platforms, LLC	04/14/2017	Regular	0.00	214.00	29135
01008	U.S. Postal Service	04/14/2017	Regular	0.00	225.00	29136
00207	Universal Staffing Inc.	04/14/2017	Regular	0.00	1,805.20	29137
00271	UPEC, Local 792	04/14/2017	Regular	0.00	1,060.43	29138
04732	AM Conservation Group, Inc.	04/20/2017	Regular	0.00	19,827.81	29139
01001	CDW Government	04/20/2017	Regular	0.00	9,786.71	29140
06268	Comcast	04/20/2017	Regular	0.00	238.97	29141
00281	CoreLogic Information Solutions, Inc.	04/20/2017	Regular	0.00	495.00	29142
06001	Cypress Coast Ford	04/20/2017	Regular	0.00	1,136.94	29143
00761	Delores Cofer	04/20/2017	Regular	0.00	356.00	29144
00192	Extra Space Storage	04/20/2017	Regular	0.00	756.00	29145
03857	Joe Oliver	04/20/2017	Regular	0.00	1,149.00	29146
00222	M.J. Murphy	04/20/2017	Regular	0.00	19.37	29147
13991	Maureen Wruck Planning Consultant, LLC	04/20/2017	Regular	0.00	600.00	29148
00242	MBAS	04/20/2017	Regular	0.00	1,200.00	29149
07998	Monterey Peninsula Regional Park District	04/20/2017	Regular	0.00	8,173.95	29150
04032	Normandeau Associates, Inc.	04/20/2017	Regular	0.00	351.00	29151
00225	Palace Office Supply	04/20/2017	Regular	0.00	245.42	29152
00256	PERS Retirement	04/20/2017	Regular	0.00	13,327.45	29153
00282	PG&E	04/20/2017	Regular	0.00	6,915.93	29154
00282	PG&E	04/20/2017	Regular	0.00	9.53	29155
00282	PG&E	04/20/2017	Regular	0.00	9,148.55	29156
00752	Professional Liability Insurance Service	04/20/2017	Regular	0.00	39.05	29157
13394	Regional Government Services	04/20/2017	Regular	0.00	4,288.80	29158
01020	Sara Reyes - Petty Cash Custodian	04/20/2017	Regular	0.00	222.80	29159
01349	Suresh Prasad	04/20/2017	Regular	0.00	297.81	29160
00258	TBC Communications & Media	04/20/2017	Regular	0.00	36,035.71	29161
09425	The Ferguson Group LLC	04/20/2017	Regular	0.00	2,736.67	29162
08105	Yolanda Munoz	04/20/2017	Regular	0.00	540.00	29163
01002	Monterey County Clerk	04/24/2017	Regular	0.00	50.00	29164

Payment Type	Bank Code APBNK Summary		Discount	Payment
	Payable Count	Payment Count		
Regular Checks	119	93	0.00	238,324.99
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	-334.43
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	<b>119</b>	<b>94</b>	<b>0.00</b>	<b>237,990.56</b>

**EXHIBIT 22-B**

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Check Report

Date Range: 04/01/2017 - 04/30/2017

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<b>Bank Code: REBATES-02-Rebates: Use Only For Rebates</b>						
13288	DARRELL B EDWARDS	04/03/2017	Regular	0.00	-497.79	28066
14021	Aaron Schmutz	04/12/2017	Regular	0.00	500.00	29052
14002	ALISSA KENYON	04/12/2017	Regular	0.00	200.00	29053
14032	Allen Davis	04/12/2017	Regular	0.00	100.00	29054
14015	BONGMYOUNG PARK	04/12/2017	Regular	0.00	500.00	29055
14016	Bruce Weitzenhoffer	04/12/2017	Regular	0.00	500.00	29056
14013	CHARLES MENDES	04/12/2017	Regular	0.00	125.00	29057
14017	CLAUDE B HUTCHISON JR	04/12/2017	Regular	0.00	500.00	29058
14006	CLIFFORD HOGAN	04/12/2017	Regular	0.00	73.00	29059
14035	CYNTHIA GRISHAM	04/12/2017	Regular	0.00	500.00	29060
14012	CYRUS FITTON	04/12/2017	Regular	0.00	125.00	29061
13995	DAN KIDD	04/12/2017	Regular	0.00	56.06	29062
13288	DARRELL B EDWARDS	04/12/2017	Regular	0.00	497.79	29063
13998	DAVENE MYERS	04/12/2017	Regular	0.00	88.00	29064
14031	DAVID M BLOOM	04/12/2017	Regular	0.00	500.00	29065
14019	DIA KHEIR	04/12/2017	Regular	0.00	500.00	29066
14011	EDMOND INTRATOR	04/12/2017	Regular	0.00	125.00	29067
14027	ENRIQUE SLU-VEGA	04/12/2017	Regular	0.00	500.00	29068
14001	FABIAN J JR & ROSENY D POBRE TRS	04/12/2017	Regular	0.00	100.00	29069
14014	George El-Hage & Mary Ann Del Vecchio	04/12/2017	Regular	0.00	625.00	29070
14008	GEORGE NIMRI	04/12/2017	Regular	0.00	100.00	29071
14010	Hope M Cardinali	04/12/2017	Regular	0.00	125.00	29072
14018	HOWARD ORIBA	04/12/2017	Regular	0.00	500.00	29073
14034	INOEL & MARICELA JIMENEZ	04/12/2017	Regular	0.00	500.00	29074
14007	JAMES MOLINARO	04/12/2017	Regular	0.00	100.00	29075
14000	JOE CLINTON	04/12/2017	Regular	0.00	100.00	29076
13994	JOHN & CYNTHIA HUTCHERSON	04/12/2017	Regular	0.00	200.00	29077
13993	JON BELMONT	04/12/2017	Regular	0.00	800.00	29078
14026	Kawai Lopez	04/12/2017	Regular	0.00	500.00	29079
14020	Mariah Acosta	04/12/2017	Regular	0.00	500.00	29080
13992	MARK & VICKI WEBER	04/12/2017	Regular	0.00	500.00	29081
14024	MEREDITH RUMMEL	04/12/2017	Regular	0.00	500.00	29082
14028	MICHAEL HOLLINGSWORTH	04/12/2017	Regular	0.00	500.00	29083
13969	MICHELLE LEYVA	04/12/2017	Regular	0.00	500.00	29084
13997	PAT ROBERTS	04/12/2017	Regular	0.00	100.00	29085
14009	Peter C. Stock	04/12/2017	Regular	0.00	200.00	29086
14005	RALPH ROQUE	04/12/2017	Regular	0.00	294.00	29087
14003	ROBERT BARNETT	04/12/2017	Regular	0.00	100.00	29088
14004	ROBERT BARNETT	04/12/2017	Regular	0.00	100.00	29089
14025	ROBERT J SPEAR	04/12/2017	Regular	0.00	500.00	29090
13999	ROGER L BOOK	04/12/2017	Regular	0.00	200.00	29091
04097	Ronald Pinsky	04/12/2017	Regular	0.00	687.39	29092
13996	ROY & BARBARA PINA	04/12/2017	Regular	0.00	100.00	29093
14033	SEMYON GODIK	04/12/2017	Regular	0.00	724.99	29094
14030	SUSAN SULLIVAN	04/12/2017	Regular	0.00	500.00	29095
14029	Thomas Reynolds	04/12/2017	Regular	0.00	499.00	29096
14022	TOM FUKUNAGA	04/12/2017	Regular	0.00	500.00	29097

**EXHIBIT 22-B**

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Check Report

Date Range: 04/01/2017 - 04/30/2017

<b>Vendor Number</b>	<b>Vendor Name</b>	<b>Payment Date</b>	<b>Payment Type</b>	<b>Discount Amount</b>	<b>Payment Amount</b>	<b>Number</b>
14023	TULIO HOCHKOEPLER	04/12/2017	Regular	0.00	479.00	29098

**Bank Code REBATES-02 Summary**

<b>Payment Type</b>	<b>Payable Count</b>	<b>Payment Count</b>	<b>Discount</b>	<b>Payment</b>
Regular Checks	47	47	0.00	16,524.23
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	-497.79
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	<b>47</b>	<b>48</b>	<b>0.00</b>	<b>16,026.44</b>



**Fund Summary**

<b>Fund</b>	<b>Name</b>	<b>Period</b>	<b>Amount</b>
99	POOL CASH FUND	4/2017	254,017.00
			<hr/>
			<b>254,017.00</b>





Payment Number	Payment Date	Payment Type	Employee Number	Employee Name	Check Amount	Direct Deposit Amount	Total Payment
2916	04/05/2017	Regular	7015	Adams, Mary L	0.00	342.37	342.37
2917	04/05/2017	Regular	7013	Clarke, Andrew	0.00	316.79	316.79
2918	04/05/2017	Regular	7014	Evans, Molly F	0.00	583.45	583.45
2919	04/05/2017	Regular	7003	Lewis, Brenda	0.00	246.76	246.76
2920	04/14/2017	Regular	1024	Stoldt, David J	0.00	5,177.78	5,177.78
2921	04/14/2017	Regular	1025	Tavani, Arlene M	0.00	1,902.96	1,902.96
2922	04/14/2017	Regular	1006	Dudley, Mark A	0.00	2,632.97	2,632.97
2923	04/14/2017	Regular	1039	Flores, Elizabeth	0.00	1,858.31	1,858.31
2924	04/14/2017	Regular	1018	Prasad, Suresh	0.00	3,666.78	3,666.78
2925	04/14/2017	Regular	1019	Reyes, Sara C	0.00	1,811.44	1,811.44
2926	04/14/2017	Regular	1002	Bekker, Mark	0.00	1,676.10	1,676.10
2927	04/14/2017	Regular	1005	Christensen, Thomas T	0.00	2,626.91	2,626.91
2928	04/14/2017	Regular	1042	Hamilton, Maureen C.	0.00	2,862.97	2,862.97
2929	04/14/2017	Regular	1008	Hampson, Larry M	0.00	3,301.65	3,301.65
2930	04/14/2017	Regular	1009	James, Gregory W	0.00	3,074.23	3,074.23
2931	04/14/2017	Regular	6034	Kleven, Alana K	0.00	352.99	352.99
2932	04/14/2017	Regular	1011	Lear, Jonathan P	0.00	2,814.35	2,814.35
2933	04/14/2017	Regular	1012	Lindberg, Thomas L	0.00	2,237.75	2,237.75
2934	04/14/2017	Regular	1013	Lyons, Matthew J	0.00	1,650.93	1,650.93
2935	04/14/2017	Regular	1023	Stern, Henrietta L	0.00	507.35	507.35
2936	04/14/2017	Regular	6028	Atkins, Daniel N	0.00	54.48	54.48
2937	04/14/2017	Regular	1004	Chaney, Beverly M	0.00	2,196.11	2,196.11
2938	04/14/2017	Regular	1007	Hamilton, Cory R	0.00	2,086.85	2,086.85
2939	04/14/2017	Regular	1043	Suwada, Joseph	0.00	1,749.51	1,749.51
2940	04/14/2017	Regular	1026	Urquhart, Kevan A	0.00	1,720.77	1,720.77
2941	04/14/2017	Regular	1001	Ayala, Gabriela D	0.00	1,760.21	1,760.21
2942	04/14/2017	Regular	1041	Gonnerman, Maryan C	0.00	1,547.80	1,547.80
2943	04/14/2017	Regular	1010	Kister, Stephanie L	0.00	1,936.10	1,936.10
2944	04/14/2017	Regular	1017	Locke, Stephanie L	0.00	2,775.32	2,775.32
2945	04/14/2017	Regular	1014	Martin, Debra S	0.00	1,918.34	1,918.34
2946	04/14/2017	Regular	1040	Smith, Kyle	0.00	1,512.25	1,512.25
2947	04/28/2017	Regular	1024	Stoldt, David J	0.00	5,177.78	5,177.78
2948	04/28/2017	Regular	1025	Tavani, Arlene M	0.00	1,902.96	1,902.96
2949	04/28/2017	Regular	1006	Dudley, Mark A	0.00	2,632.97	2,632.97
2950	04/28/2017	Regular	1039	Flores, Elizabeth	0.00	1,823.31	1,823.31
2951	04/28/2017	Regular	1018	Prasad, Suresh	0.00	3,666.78	3,666.78
2952	04/28/2017	Regular	1019	Reyes, Sara C	0.00	1,691.22	1,691.22
2953	04/28/2017	Regular	1002	Bekker, Mark	0.00	1,676.09	1,676.09
2954	04/28/2017	Regular	1005	Christensen, Thomas T	0.00	2,626.91	2,626.91
2955	04/28/2017	Regular	1042	Hamilton, Maureen C.	0.00	2,862.97	2,862.97
2956	04/28/2017	Regular	1008	Hampson, Larry M	0.00	3,301.65	3,301.65
2957	04/28/2017	Regular	1009	James, Gregory W	0.00	3,074.22	3,074.22
2958	04/28/2017	Regular	6034	Kleven, Alana K	0.00	161.21	161.21
2959	04/28/2017	Regular	1011	Lear, Jonathan P	0.00	2,814.35	2,814.35
2960	04/28/2017	Regular	1012	Lindberg, Thomas L	0.00	2,237.75	2,237.75
2961	04/28/2017	Regular	1013	Lyons, Matthew J	0.00	1,650.94	1,650.94
2962	04/28/2017	Regular	1023	Stern, Henrietta L	0.00	439.70	439.70
2963	04/28/2017	Regular	1004	Chaney, Beverly M	0.00	2,196.10	2,196.10
2964	04/28/2017	Regular	1043	Suwada, Joseph	0.00	1,723.93	1,723.93
2965	04/28/2017	Regular	1026	Urquhart, Kevan A	0.00	1,720.78	1,720.78
2966	04/28/2017	Regular	1001	Ayala, Gabriela D	0.00	1,760.21	1,760.21
2967	04/28/2017	Regular	1041	Gonnerman, Maryan C	0.00	1,547.80	1,547.80
2968	04/28/2017	Regular	1010	Kister, Stephanie L	0.00	1,731.85	1,731.85
2969	04/28/2017	Regular	1017	Locke, Stephanie L	0.00	2,775.32	2,775.32
2970	04/28/2017	Regular	1014	Martin, Debra S	0.00	1,918.32	1,918.32
2971	04/28/2017	Regular	1040	Smith, Kyle	0.00	1,512.25	1,512.25
2972	04/28/2017	Regular	1007	Hamilton, Cory R	0.00	2,086.85	2,086.85

**EXHIBIT 22-C**

<b>Payment Number</b>	<b>Payment Date</b>	<b>Payment Type</b>	<b>Employee Number</b>	<b>Employee Name</b>	<b>Check Amount</b>	<b>Direct Deposit Amount</b>	<b>Total Payment</b>
29021	04/05/2017	Regular	7006	Brower, Sr., Robert S	623.22	0.00	623.22
29022	04/05/2017	Regular	7007	Byrne, Jeannie	869.43	0.00	869.43
29023	04/05/2017	Regular	7001	Pendergrass, David K	249.34	0.00	249.34
29051	04/14/2017	Regular	6007	Delay, Thomas E	163.46	0.00	163.46
29165	04/28/2017	Regular	6007	Delay, Thomas E	243.06	0.00	243.06
<b>Totals:</b>					<b>2,148.51</b>	<b>115,616.80</b>	<b>117,765.31</b>



Monterey Peninsula Water Management Dist

# Bank Transaction Report

## Transaction Detail

Issued Date Range: 04/01/2017 - 04/30/2017

Cleared Date Range: -

Issued Date	Cleared Date	Number	Description	Module	Status	Type	Amount
<b>Bank Account: 111 - Bank of America Checking - 0000 8170 8210</b>							
04/05/2017	04/30/2017	<a href="#">DFT0000891</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-125.69
04/05/2017	04/30/2017	<a href="#">DFT0000892</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-105.72
04/05/2017	04/30/2017	<a href="#">DFT0000893</a>	Employment Development Dept.	Accounts Payable	Cleared	Bank Draft	-9.10
04/05/2017	04/30/2017	<a href="#">DFT0000894</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-451.98
04/14/2017	04/30/2017	<a href="#">DFT0000896</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-10,521.18
04/14/2017	04/30/2017	<a href="#">DFT0000897</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-2,335.96
04/14/2017	04/30/2017	<a href="#">DFT0000898</a>	Employment Development Dept.	Accounts Payable	Cleared	Bank Draft	-3,682.21
04/14/2017	04/30/2017	<a href="#">DFT0000899</a>	I.R.S.	Accounts Payable	Cleared	Bank Draft	-172.14
04/17/2017	04/30/2017	<a href="#">SVC0000114</a>	April 2017 To Post Bank Service Charge	General Ledger	Cleared	Service Charge	-352.24
04/28/2017		<a href="#">DFT0000901</a>	I.R.S.	Accounts Payable	Outstanding	Bank Draft	-10,068.97
04/28/2017		<a href="#">DFT0000902</a>	I.R.S.	Accounts Payable	Outstanding	Bank Draft	-2,224.22
04/28/2017		<a href="#">DFT0000903</a>	Employment Development Dept.	Accounts Payable	Outstanding	Bank Draft	-3,503.75
04/28/2017		<a href="#">DFT0000904</a>	I.R.S.	Accounts Payable	Outstanding	Bank Draft	-135.52
04/28/2017		<a href="#">DFT0000906</a>	I.R.S.	Accounts Payable	Outstanding	Bank Draft	-510.11
04/28/2017		<a href="#">DFT0000907</a>	I.R.S.	Accounts Payable	Outstanding	Bank Draft	-93.90
04/28/2017		<a href="#">DFT0000908</a>	Employment Development Dept.	Accounts Payable	Outstanding	Bank Draft	-170.84
<b>Bank Account 111 Total: (16)</b>							<b>-34,463.53</b>
<b>Report Total: (16)</b>							<b>-34,463.53</b>

**EXHIBIT 22-D**

**Bank Transaction Report**

118  
Issued Date Range: -

**Summary**

<b>Bank Account</b>	<b>Count</b>	<b>Amount</b>
<a href="#">111 Bank of America Checking - 0000 8170 8210</a>	16	-34,463.53
<b>Report Total:</b>	<b>16</b>	<b>-34,463.53</b>

<b>Cash Account</b>	<b>Count</b>	<b>Amount</b>
<a href="#">99 99-10-100100 Pool Cash Account</a>	16	-34,463.53
<b>Report Total:</b>	<b>16</b>	<b>-34,463.53</b>

<b>Transaction Type</b>	<b>Count</b>	<b>Amount</b>
Bank Draft	15	-34,111.29
Service Charge	1	-352.24
<b>Report Total:</b>	<b>16</b>	<b>-34,463.53</b>



Monterey Peninsula Water Management Dist

**Statement of Revenue Over Expense - No Decimals**  
**Group Summary**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Revenue</b>								
R100 - Water Supply Charge	1,290,081	283,220	1,006,861	-455.50 %	3,327,517	3,400,000	-72,483	-97.87 %
R110 - Mitigation Revenue	215,011	209,791	5,220	-102.49 %	1,443,455	2,518,500	-1,075,045	-57.31 %
R120 - Property Taxes Revenues	753,055	133,280	619,775	-565.02 %	1,741,817	1,600,000	141,817	-108.86 %
R130 - User Fees	3,507	7,914	-4,406	-44.32 %	38,292	95,000	-56,708	-40.31 %
R140 - Connection Charges	54,910	17,701	37,209	-310.21 %	270,440	212,500	57,940	-127.27 %
R150 - Permit Processing Fee	18,771	14,578	4,194	-128.77 %	181,870	175,000	6,870	-103.93 %
R160 - Well Registration Fee	150	0	150	0.00 %	1,550	0	1,550	0.00 %
R180 - River Work Permit Application	0	0	0	0.00 %	25	0	25	0.00 %
R190 - WDS Permits Rule 21	1,200	4,665	-3,465	-25.72 %	19,957	56,000	-36,043	-35.64 %
R200 - Recording Fees	631	666	-35	-94.69 %	10,081	8,000	2,081	-126.01 %
R210 - Legal Fees	342	833	-491	-41.06 %	2,458	10,000	-7,542	-24.58 %
R220 - Copy Fee	78	0	78	0.00 %	301	0	301	0.00 %
R230 - Miscellaneous - Other	141	1,666	-1,525	-8.46 %	6,204	20,000	-13,796	-31.02 %
R240 - Insurance Refunds	0	0	0	0.00 %	290	0	290	0.00 %
R250 - Interest Income	4,956	1,666	3,290	-297.49 %	10,388	20,000	-9,612	-51.94 %
R265 - CAW - Los Padres Reimbursement	0	41,650	-41,650	0.00 %	0	500,000	-500,000	0.00 %
R270 - CAW - Rebates	14,839	83,300	-68,461	-17.81 %	401,998	1,000,000	-598,002	-40.20 %
R280 - CAW - Conservation	0	27,797	-27,797	0.00 %	0	333,700	-333,700	0.00 %
R290 - CAW - Miscellaneous	0	35,561	-35,561	0.00 %	0	426,900	-426,900	0.00 %
R300 - Watermaster	0	6,214	-6,214	0.00 %	38,687	74,600	-35,913	-51.86 %
R308 - Reclamation Project	0	1,666	-1,666	0.00 %	0	20,000	-20,000	0.00 %
R310 - Other Reimbursements	0	2,999	-2,999	0.00 %	0	36,000	-36,000	0.00 %
R320 - Grants	61,052	27,522	33,530	-221.83 %	60,248	330,400	-270,152	-18.23 %
R510 - Operating Reserve	0	143,613	-143,613	0.00 %	0	1,724,050	-1,724,050	0.00 %
R695 - Other Financing Sources	0	0	0	0.00 %	0	0	0	0.00 %
<b>Total Revenue:</b>	<b>2,418,724</b>	<b>1,046,302</b>	<b>1,372,422</b>	<b>-231.17 %</b>	<b>7,555,577</b>	<b>12,560,650</b>	<b>-5,005,073</b>	<b>-60.15 %</b>

**EXHIBIT 22-E**

**Statement of Revenue Over Expense - No Decimals**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Expense</b>								
<b>Level1: 100 - Personnel Costs</b>								
1100 - Salaries & Wages	168,719	200,478	31,759	84.16 %	1,900,095	2,406,700	506,605	78.95 %
1110 - Manager's Auto Allowance	462	500	38	92.34 %	4,846	6,000	1,154	80.77 %
1120 - Manager's Deferred Comp	631	700	69	90.14 %	6,938	8,400	1,462	82.60 %
1130 - Unemployment Compensation	0	250	250	0.00 %	0	3,000	3,000	0.00 %
1140 - Insurance Opt-Out Supplemental	0	808	808	0.00 %	6,557	9,700	3,143	67.59 %
1150 - Temporary Personnel	7,165	3,432	-3,733	208.77 %	47,211	41,200	-6,011	114.59 %
1160 - PERS Retirement	16,542	33,953	17,411	48.72 %	384,605	407,600	22,995	94.36 %
1170 - Medical Insurance	25,458	27,814	2,356	91.53 %	257,201	333,900	76,699	77.03 %
1180 - Medical Insurance - Retirees	7,353	4,823	-2,530	152.45 %	68,563	57,900	-10,663	118.42 %
1190 - Workers Compensation	3,361	4,048	687	83.02 %	37,338	48,600	11,262	76.83 %
1200 - Life Insurance	374	541	168	68.98 %	3,895	6,500	2,606	59.92 %
1210 - Long Term Disability Insurance	1,054	1,225	171	86.04 %	10,875	14,700	3,825	73.98 %
1220 - Short Term Disability Insurance	209	283	74	73.85 %	2,159	3,400	1,241	63.50 %
1230 - Other Benefits	0	0	0	0.00 %	957	0	-957	0.00 %
1250 - Moving Expense Reimbursement	0	0	0	0.00 %	116	0	-116	0.00 %
1260 - Employee Assistance Program	56	125	69	45.14 %	599	1,500	901	39.95 %
1270 - FICA Tax Expense	154	458	304	33.58 %	4,961	5,500	539	90.20 %
1280 - Medicare Tax Expense	2,327	2,999	672	77.60 %	34,403	36,000	1,597	95.56 %
1290 - Staff Development & Training	1,201	2,341	1,139	51.33 %	8,797	28,100	19,303	31.31 %
1300 - Conference Registration	605	367	-238	165.07 %	5,725	4,400	-1,325	130.11 %
1310 - Professional Dues	390	183	-207	212.81 %	1,331	2,200	869	60.50 %
1320 - Personnel Recruitment	0	541	541	0.00 %	1,942	6,500	4,559	29.87 %
<b>Total Level1: 100 - Personnel Costs:</b>	<b>236,061</b>	<b>285,869</b>	<b>49,808</b>	<b>82.58 %</b>	<b>2,789,113</b>	<b>3,431,800</b>	<b>642,687</b>	<b>81.27 %</b>
<b>Level1: 200 - Supplies and Services</b>								
2000 - Board Member Compensation	0	3,082	3,082	0.00 %	21,195	37,000	15,805	57.28 %
2020 - Board Expenses	1,135	833	-302	136.27 %	6,688	10,000	3,312	66.88 %
2040 - Rent	1,406	1,933	527	72.75 %	18,127	23,200	5,073	78.13 %
2060 - Utilities	2,177	3,182	1,005	68.42 %	24,648	38,200	13,552	64.52 %
2120 - Insurance Expense	3,405	3,757	352	90.64 %	34,051	45,100	11,049	75.50 %
2130 - Membership Dues	601	2,424	1,823	24.80 %	26,856	29,100	2,244	92.29 %
2140 - Bank Charges	386	333	-52	115.71 %	3,538	4,000	462	88.46 %
2150 - Office Supplies	7,655	1,166	-6,489	656.41 %	21,375	14,000	-7,375	152.68 %
2160 - Courier Expense	350	650	300	53.87 %	5,119	7,800	2,681	65.63 %
2170 - Printing/Photocopy	198	825	627	24.02 %	346	9,900	9,554	3.50 %
2180 - Postage & Shipping	500	533	33	93.79 %	5,302	6,400	1,098	82.84 %
2190 - IT Supplies/Services	10,047	7,747	-2,301	129.70 %	79,425	93,000	13,575	85.40 %
2200 - Professional Fees	17,718	14,161	-3,557	125.11 %	170,042	170,000	-42	100.02 %
2220 - Equipment Repairs & Maintenance	2,700	625	-2,075	432.13 %	5,540	7,500	1,960	73.87 %
2235 - Equipment Lease	954	1,166	213	81.76 %	11,408	14,000	2,592	81.48 %
2240 - Telephone	3,409	3,574	164	95.41 %	33,562	42,900	9,338	78.23 %



**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance		YTD Activity	Total Budget	Variance	
			Favorable (Unfavorable)	Percent Used			Favorable (Unfavorable)	Percent Used
2260 - Facility Maintenance	5,881	3,157	-2,724	186.29 %	30,482	37,900	7,418	80.43 %
2270 - Travel Expenses	2,750	2,674	-76	102.84 %	12,850	32,100	19,250	40.03 %
2280 - Transportation	5,935	2,216	-3,719	267.84 %	21,744	26,600	4,856	81.74 %
2300 - Legal Services	0	33,320	33,320	0.00 %	284,500	400,000	115,500	71.13 %
2380 - Meeting Expenses	850	675	-175	126.00 %	3,436	8,100	4,664	42.42 %
2420 - Legal Notices	179	358	180	49.88 %	429	4,300	3,871	9.97 %
2460 - Public Outreach	771	425	-346	181.39 %	4,603	5,100	497	90.25 %
2480 - Miscellaneous	0	300	300	0.00 %	424	3,600	3,176	11.79 %
2500 - Tax Administration Fee	19,753	1,666	-18,087	1,185.65 %	19,753	20,000	247	98.77 %
2900 - Operating Supplies	467	1,566	1,099	29.82 %	11,994	18,800	6,806	63.80 %
<b>Total Level1: 200 - Supplies and Services:</b>	<b>89,226</b>	<b>92,346</b>	<b>3,120</b>	<b>96.62 %</b>	<b>857,438</b>	<b>1,108,600</b>	<b>251,162</b>	<b>77.34 %</b>
<b>Level1: 300 - Other Expenses</b>								
3000 - Project Expenses	209,784	562,283	352,499	37.31 %	3,317,130	6,750,100	3,432,970	49.14 %
4000 - Fixed Asset Purchases	79,457	9,621	-69,836	825.86 %	114,821	115,500	679	99.41 %
5000 - Debt Service	0	19,159	19,159	0.00 %	70,424	230,000	159,576	30.62 %
6000 - Contingencies	0	6,248	6,248	0.00 %	0	75,000	75,000	0.00 %
6500 - Reserves	0	70,776	70,776	0.00 %	0	849,650	849,650	0.00 %
<b>Total Level1: 300 - Other Expenses:</b>	<b>289,242</b>	<b>668,087</b>	<b>378,845</b>	<b>43.29 %</b>	<b>3,502,374</b>	<b>8,020,250</b>	<b>4,517,876</b>	<b>43.67 %</b>
<b>Total Expense:</b>	<b>614,529</b>	<b>1,046,302</b>	<b>431,773</b>	<b>58.73 %</b>	<b>7,148,925</b>	<b>12,560,650</b>	<b>5,411,725</b>	<b>56.92 %</b>
<b>Report Total:</b>	<b>1,804,195</b>	<b>0</b>	<b>1,804,195</b>		<b>406,652</b>	<b>0</b>	<b>406,652</b>	

**EXHIBIT 22-E**

**Statement of Revenue Over Expense - No Decimals**

**For Fiscal: 2016-2017 Period Ending: 04/30/2017**

**Fund Summary**

<b>Fund</b>	<b>April Activity</b>	<b>April Budget</b>	<b>Variance Favorable (Unfavorable)</b>	<b>Percent Used</b>	<b>YTD Activity</b>	<b>Total Budget</b>	<b>Variance Favorable (Unfavorable)</b>	<b>Percent Used</b>
24 - MITIGATION FUND	125,097	0	125,097		-230,134	0	-230,134	
26 - CONSERVATION FUND	311,181	0	311,181		201,830	0	201,830	
35 - WATER SUPPLY FUND	1,367,917	0	1,367,917		434,956	0	434,956	
<b>Report Total:</b>	<b>1,804,195</b>	<b>0.01</b>	<b>1,804,195</b>		<b>406,652</b>	<b>0</b>	<b>406,652</b>	



Monterey Peninsula Water Management Dist

**Statement of Revenue Over Expense - No Decimals**  
**Group Summary**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Fund: 24 - MITIGATION FUND</b>								
<b>Revenue</b>								
R110 - Mitigation Revenue	215,011	209,791	5,220	-102.49 %	1,443,455	2,518,500	-1,075,045	-57.31 %
R130 - User Fees	2,961	7,289	-4,328	-40.62 %	32,326	87,500	-55,174	-36.94 %
R160 - Well Registration Fee	150	0	150	0.00 %	1,550	0	1,550	0.00 %
R180 - River Work Permit Application	0	0	0	0.00 %	25	0	25	0.00 %
R190 - WDS Permits Rule 21	1,200	4,665	-3,465	-25.72 %	19,957	56,000	-36,043	-35.64 %
R230 - Miscellaneous - Other	0	833	-833	0.00 %	4,293	10,000	-5,707	-42.93 %
R250 - Interest Income	1,133	208	924	-543.83 %	1,668	2,500	-832	-66.71 %
R290 - CAW - Miscellaneous	0	35,561	-35,561	0.00 %	0	426,900	-426,900	0.00 %
R310 - Other Reimbursements	0	2,416	-2,416	0.00 %	0	29,000	-29,000	0.00 %
R320 - Grants	61,052	16,660	44,392	-366.46 %	60,248	200,000	-139,752	-30.12 %
R510 - Operating Reserve	0	8,688	-8,688	0.00 %	0	104,300	-104,300	0.00 %
<b>Total Revenue:</b>	<b>281,506</b>	<b>286,111</b>	<b>-4,604</b>	<b>-98.39 %</b>	<b>1,563,521</b>	<b>3,434,700</b>	<b>-1,871,179</b>	<b>-45.52 %</b>

**EXHIBIT 22-E**

**Statement of Revenue Over Expense - No Decimals**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Expense</b>								
<b>Level1: 100 - Personnel Costs</b>								
1100 - Salaries & Wages	71,321	84,766	13,446	84.14 %	799,805	1,017,600	217,795	78.60 %
1110 - Manager's Auto Allowance	92	100	8	92.34 %	969	1,200	231	80.76 %
1120 - Manager's Deferred Comp	126	142	15	89.09 %	1,388	1,700	312	81.63 %
1130 - Unemployment Compensation	0	108	108	0.00 %	0	1,300	1,300	0.00 %
1140 - Insurance Opt-Out Supplemental	0	267	267	0.00 %	1,879	3,200	1,321	58.71 %
1150 - Temporary Personnel	1,646	42	-1,605	3,953.04 %	6,035	500	-5,535	1,207.04 %
1160 - PERS Retirement	7,078	14,369	7,291	49.26 %	163,166	172,500	9,334	94.59 %
1170 - Medical Insurance	10,524	11,729	1,204	89.73 %	107,988	140,800	32,812	76.70 %
1180 - Medical Insurance - Retirees	3,088	2,074	-1,014	148.89 %	28,796	24,900	-3,896	115.65 %
1190 - Workers Compensation	2,118	2,482	364	85.33 %	23,840	29,800	5,960	80.00 %
1200 - Life Insurance	172	242	70	71.23 %	1,795	2,900	1,105	61.89 %
1210 - Long Term Disability Insurance	458	525	67	87.33 %	4,726	6,300	1,574	75.02 %
1220 - Short Term Disability Insurance	91	117	26	78.05 %	939	1,400	461	67.05 %
1230 - Other Benefits	0	0	0	0.00 %	402	0	-402	0.00 %
1250 - Moving Expense Reimbursement	0	0	0	0.00 %	116	0	-116	0.00 %
1260 - Employee Assistance Program	23	50	27	46.78 %	250	600	350	41.73 %
1270 - FICA Tax Expense	132	292	160	45.29 %	3,939	3,500	-439	112.56 %
1280 - Medicare Tax Expense	1,028	1,266	238	81.21 %	15,221	15,200	-21	100.14 %
1290 - Staff Development & Training	0	841	841	0.00 %	3,850	10,100	6,250	38.12 %
1300 - Conference Registration	0	125	125	0.00 %	1,453	1,500	47	96.85 %
1310 - Professional Dues	270	67	-203	405.16 %	575	800	225	71.85 %
1320 - Personnel Recruitment	0	225	225	0.00 %	917	2,700	1,783	33.96 %
<b>Total Level1: 100 - Personnel Costs:</b>	<b>98,169</b>	<b>119,827</b>	<b>21,658</b>	<b>81.93 %</b>	<b>1,168,049</b>	<b>1,438,500</b>	<b>270,451</b>	<b>81.20 %</b>
<b>Level1: 200 - Supplies and Services</b>								
2000 - Board Member Compensation	0	1,291	1,291	0.00 %	8,941	15,500	6,559	57.68 %
2020 - Board Expenses	477	350	-127	136.27 %	2,796	4,200	1,404	66.58 %
2040 - Rent	643	900	257	71.42 %	8,425	10,800	2,375	78.01 %
2060 - Utilities	919	1,341	422	68.53 %	10,409	16,100	5,691	64.65 %
2120 - Insurance Expense	1,430	1,574	144	90.84 %	14,301	18,900	4,599	75.67 %
2130 - Membership Dues	253	841	589	30.01 %	10,616	10,100	-516	105.10 %
2140 - Bank Charges	162	142	-20	114.34 %	1,487	1,700	213	87.46 %
2150 - Office Supplies	3,060	475	-2,585	644.51 %	8,841	5,700	-3,141	155.10 %
2160 - Courier Expense	148	275	127	53.91 %	2,154	3,300	1,146	65.26 %
2170 - Printing/Photocopy	83	175	92	47.56 %	145	2,100	1,955	6.93 %
2180 - Postage & Shipping	210	225	15	93.37 %	2,278	2,700	422	84.38 %
2190 - IT Supplies/Services	4,221	3,257	-964	129.59 %	33,443	39,100	5,657	85.53 %
2200 - Professional Fees	7,441	5,948	-1,494	125.11 %	71,398	71,400	2	100.00 %
2220 - Equipment Repairs & Maintenance	1,134	267	-867	425.38 %	2,327	3,200	873	72.72 %
2235 - Equipment Lease	410	491	82	83.41 %	4,905	5,900	995	83.14 %
2240 - Telephone	1,488	1,474	-14	100.94 %	15,336	17,700	2,364	86.64 %

**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
2260 - Facility Maintenance	2,470	1,341	-1,129	184.18 %	12,810	16,100	3,290	79.56 %
2270 - Travel Expenses	1,325	883	-442	150.05 %	2,927	10,600	7,673	27.61 %
2280 - Transportation	2,498	858	-1,640	291.16 %	16,382	10,300	-6,082	159.05 %
2300 - Legal Services	0	9,330	9,330	0.00 %	120,235	112,000	-8,235	107.35 %
2380 - Meeting Expenses	342	200	-142	170.93 %	1,455	2,400	945	60.63 %
2420 - Legal Notices	75	158	83	47.41 %	180	1,900	1,720	9.48 %
2460 - Public Outreach	324	175	-149	185.02 %	1,385	2,100	715	65.95 %
2480 - Miscellaneous	0	125	125	0.00 %	99	1,500	1,401	6.58 %
2900 - Operating Supplies	43	192	148	22.67 %	564	2,300	1,736	24.52 %
<b>Total Level1: 200 - Supplies and Services:</b>	<b>29,156</b>	<b>32,287</b>	<b>3,131</b>	<b>90.30 %</b>	<b>353,837</b>	<b>387,600</b>	<b>33,763</b>	<b>91.29 %</b>
<b>Level1: 300 - Other Expenses</b>								
3000 - Project Expenses	20,543	58,464	37,921	35.14 %	249,440	701,850	452,410	35.54 %
4000 - Fixed Asset Purchases	8,542	2,132	-6,409	400.55 %	22,329	25,600	3,271	87.22 %
6000 - Contingencies	0	2,624	2,624	0.00 %	0	31,500	31,500	0.00 %
6500 - Reserves	0	70,776	70,776	0.00 %	0	849,650	849,650	0.00 %
<b>Total Level1: 300 - Other Expenses:</b>	<b>29,085</b>	<b>133,996</b>	<b>104,912</b>	<b>21.71 %</b>	<b>271,769</b>	<b>1,608,600</b>	<b>1,336,831</b>	<b>16.89 %</b>
<b>Total Expense:</b>	<b>156,409</b>	<b>286,111</b>	<b>129,701</b>	<b>54.67 %</b>	<b>1,793,655</b>	<b>3,434,700</b>	<b>1,641,045</b>	<b>52.22 %</b>
<b>Total Revenues</b>	<b>281,506</b>	<b>286,111</b>	<b>-4,604</b>	<b>-98.39 %</b>	<b>1,563,521</b>	<b>3,434,700</b>	<b>-1,871,179</b>	<b>-45.52 %</b>
<b>Total Fund: 24 - MITIGATION FUND:</b>	<b>125,097</b>	<b>0</b>	<b>125,097</b>		<b>-230,134</b>	<b>0</b>	<b>-230,134</b>	

**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Fund: 26 - CONSERVATION FUND</b>								
<b>Revenue</b>								
R120 - Property Taxes Revenues	471,413	0	471,413	0.00 %	1,090,378	0	1,090,378	0.00 %
R130 - User Fees	546	625	-78	-87.46 %	5,965	7,500	-1,535	-79.54 %
R150 - Permit Processing Fee	18,771	14,578	4,194	-128.77 %	181,870	175,000	6,870	-103.93 %
R200 - Recording Fees	631	666	-35	-94.69 %	10,081	8,000	2,081	-126.01 %
R210 - Legal Fees	342	833	-491	-41.06 %	2,458	10,000	-7,542	-24.58 %
R230 - Miscellaneous - Other	0	0	0	0.00 %	500	0	500	0.00 %
R250 - Interest Income	1,658	292	1,367	-568.76 %	3,816	3,500	316	-109.02 %
R270 - CAW - Rebates	14,839	83,300	-68,461	-17.81 %	401,998	1,000,000	-598,002	-40.20 %
R280 - CAW - Conservation	0	27,797	-27,797	0.00 %	0	333,700	-333,700	0.00 %
R310 - Other Reimbursements	0	500	-500	0.00 %	0	6,000	-6,000	0.00 %
R320 - Grants	0	1,666	-1,666	0.00 %	0	20,000	-20,000	0.00 %
R510 - Operating Reserve	0	200	-200	0.00 %	0	2,400	-2,400	0.00 %
R695 - Other Financing Sources	0	83,433	-83,433	0.00 %	0	1,001,600	-1,001,600	0.00 %
<b>Total Revenue:</b>	<b>508,200</b>	<b>213,889</b>	<b>294,311</b>	<b>-237.60 %</b>	<b>1,697,065</b>	<b>2,567,700</b>	<b>-870,635</b>	<b>-66.09 %</b>

**EXHIBIT 22-E**

**Statement of Revenue Over Expense - No Decimals**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Expense</b>								
<b>Level1: 100 - Personnel Costs</b>								
1100 - Salaries & Wages	37,271	46,556	9,285	80.06 %	439,815	558,900	119,085	78.69 %
1110 - Manager's Auto Allowance	92	100	8	92.34 %	969	1,200	231	80.76 %
1120 - Manager's Deferred Comp	126	142	15	89.09 %	1,388	1,700	312	81.63 %
1130 - Unemployment Compensation	0	58	58	0.00 %	0	700	700	0.00 %
1140 - Insurance Opt-Out Supplemental	0	267	267	0.00 %	1,879	3,200	1,321	58.71 %
1150 - Temporary Personnel	4,303	3,357	-946	128.19 %	36,536	40,300	3,764	90.66 %
1160 - PERS Retirement	3,521	7,247	3,726	48.59 %	81,299	87,000	5,701	93.45 %
1170 - Medical Insurance	6,440	7,489	1,049	85.99 %	68,051	89,900	21,849	75.70 %
1180 - Medical Insurance - Retirees	1,985	1,158	-827	171.46 %	18,512	13,900	-4,612	133.18 %
1190 - Workers Compensation	141	208	67	67.93 %	1,702	2,500	798	68.08 %
1200 - Life Insurance	84	117	33	71.97 %	892	1,400	508	63.71 %
1210 - Long Term Disability Insurance	240	300	60	79.99 %	2,594	3,600	1,006	72.04 %
1220 - Short Term Disability Insurance	48	67	19	71.53 %	515	800	285	64.42 %
1230 - Other Benefits	0	0	0	0.00 %	258	0	-258	0.00 %
1260 - Employee Assistance Program	14	33	19	42.95 %	160	400	240	40.04 %
1270 - FICA Tax Expense	0	83	83	0.00 %	348	1,000	652	34.76 %
1280 - Medicare Tax Expense	527	708	181	74.45 %	6,938	8,500	1,562	81.62 %
1290 - Staff Development & Training	1,145	758	-387	151.05 %	4,205	9,100	4,895	46.21 %
1300 - Conference Registration	605	133	-472	453.93 %	2,730	1,600	-1,130	170.62 %
1310 - Professional Dues	120	50	-70	240.10 %	498	600	102	82.99 %
1320 - Personnel Recruitment	0	150	150	0.00 %	325	1,800	1,475	18.05 %
<b>Total Level1: 100 - Personnel Costs:</b>	<b>56,664</b>	<b>68,981</b>	<b>12,317</b>	<b>82.14 %</b>	<b>669,613</b>	<b>828,100</b>	<b>158,487</b>	<b>80.86 %</b>
<b>Level1: 200 - Supplies and Services</b>								
2000 - Board Member Compensation	0	833	833	0.00 %	5,605	10,000	4,395	56.05 %
2020 - Board Expenses	306	225	-82	136.27 %	1,798	2,700	902	66.58 %
2040 - Rent	204	225	21	90.76 %	2,158	2,700	542	79.92 %
2060 - Utilities	572	850	278	67.30 %	6,484	10,200	3,716	63.56 %
2120 - Insurance Expense	919	1,016	97	90.47 %	9,194	12,200	3,006	75.36 %
2130 - Membership Dues	162	950	787	17.10 %	8,405	11,400	2,995	73.73 %
2140 - Bank Charges	104	92	-12	113.62 %	1,001	1,100	99	90.96 %
2150 - Office Supplies	2,319	325	-1,994	713.82 %	5,788	3,900	-1,888	148.41 %
2160 - Courier Expense	91	175	84	51.96 %	1,371	2,100	729	65.30 %
2170 - Printing/Photocopy	53	525	471	10.19 %	93	6,300	6,207	1.48 %
2180 - Postage & Shipping	135	133	-2	101.29 %	1,359	1,600	241	84.95 %
2190 - IT Supplies/Services	2,712	2,083	-629	130.21 %	21,047	25,000	3,953	84.19 %
2200 - Professional Fees	4,784	3,823	-960	125.11 %	45,899	45,900	1	100.00 %
2220 - Equipment Repairs & Maintenance	729	167	-562	437.53 %	1,496	2,000	504	74.79 %
2235 - Equipment Lease	229	317	87	72.39 %	2,797	3,800	1,003	73.59 %
2240 - Telephone	893	941	48	94.86 %	8,399	11,300	2,901	74.33 %
2260 - Facility Maintenance	1,588	791	-797	200.66 %	8,209	9,500	1,291	86.41 %

**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance		YTD Activity	Total Budget	Variance	
			Favorable (Unfavorable)	Percent Used			Favorable (Unfavorable)	Percent Used
2270 - Travel Expenses	710	1,075	365	66.04 %	6,689	12,900	6,211	51.85 %
2280 - Transportation	3,299	500	-2,799	660.10 %	4,031	6,000	1,969	67.18 %
2300 - Legal Services	0	3,998	3,998	0.00 %	46,417	48,000	1,583	96.70 %
2380 - Meeting Expenses	241	325	84	74.11 %	901	3,900	2,999	23.10 %
2420 - Legal Notices	48	58	10	82.73 %	116	700	584	16.53 %
2460 - Public Outreach	208	117	-91	178.42 %	1,487	1,400	-87	106.25 %
2480 - Miscellaneous	0	83	83	0.00 %	63	1,000	937	6.34 %
2500 - Tax Administration Fee	7,154	600	-6,554	1,192.81 %	7,154	7,200	46	99.36 %
2900 - Operating Supplies	424	1,225	801	34.59 %	10,832	14,700	3,868	73.69 %
<b>Total Level1: 200 - Supplies and Services:</b>	<b>27,884</b>	<b>21,450</b>	<b>-6,434</b>	<b>130.00 %</b>	<b>208,791</b>	<b>257,500</b>	<b>48,709</b>	<b>81.08 %</b>
<b>Level1: 300 - Other Expenses</b>								
3000 - Project Expenses	48,111	115,929	67,818	41.50 %	541,673	1,391,700	850,027	38.92 %
4000 - Fixed Asset Purchases	64,360	5,839	-58,521	1,102.19 %	75,157	70,100	-5,057	107.21 %
6000 - Contingencies	0	1,691	1,691	0.00 %	0	20,300	20,300	0.00 %
<b>Total Level1: 300 - Other Expenses:</b>	<b>112,471</b>	<b>123,459</b>	<b>10,988</b>	<b>91.10 %</b>	<b>616,831</b>	<b>1,482,100</b>	<b>865,269</b>	<b>41.62 %</b>
<b>Total Expense:</b>	<b>197,019</b>	<b>213,889</b>	<b>16,870</b>	<b>92.11 %</b>	<b>1,495,235</b>	<b>2,567,700</b>	<b>1,072,465</b>	<b>58.23 %</b>
<b>Total Revenues</b>	<b>508,200</b>	<b>213,889</b>	<b>294,311</b>	<b>-237.60 %</b>	<b>1,697,065</b>	<b>2,567,700</b>	<b>-870,635</b>	<b>-66.09 %</b>
<b>Total Fund: 26 - CONSERVATION FUND:</b>	<b>311,181</b>	<b>0</b>	<b>311,181</b>		<b>201,830</b>	<b>0</b>	<b>201,830</b>	



**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Fund: 35 - WATER SUPPLY FUND</b>								
<b>Revenue</b>								
R100 - Water Supply Charge	1,290,081	283,220	1,006,861	-455.50 %	3,327,517	3,400,000	-72,483	-97.87 %
R120 - Property Taxes Revenues	281,643	133,280	148,363	-211.32 %	651,440	1,600,000	-948,560	-40.71 %
R140 - Connection Charges	54,910	17,701	37,209	-310.21 %	270,440	212,500	57,940	-127.27 %
R220 - Copy Fee	78	0	78	0.00 %	301	0	301	0.00 %
R230 - Miscellaneous - Other	141	833	-692	-16.93 %	1,411	10,000	-8,589	-14.11 %
R240 - Insurance Refunds	0	0	0	0.00 %	290	0	290	0.00 %
R250 - Interest Income	2,165	1,166	999	-185.68 %	4,904	14,000	-9,096	-35.03 %
R265 - CAW - Los Padres Reimbursement	0	41,650	-41,650	0.00 %	0	500,000	-500,000	0.00 %
R300 - Watermaster	0	6,214	-6,214	0.00 %	38,687	74,600	-35,913	-51.86 %
R308 - Reclamation Project	0	1,666	-1,666	0.00 %	0	20,000	-20,000	0.00 %
R310 - Other Reimbursements	0	83	-83	0.00 %	0	1,000	-1,000	0.00 %
R320 - Grants	0	9,196	-9,196	0.00 %	0	110,400	-110,400	0.00 %
R510 - Operating Reserve	0	134,725	-134,725	0.00 %	0	1,617,350	-1,617,350	0.00 %
R695 - Other Financing Sources	0	-83,433	83,433	0.00 %	0	-1,001,600	1,001,600	0.00 %
<b>Total Revenue:</b>	<b>1,629,018</b>	<b>546,302</b>	<b>1,082,715</b>	<b>-298.19 %</b>	<b>4,294,990</b>	<b>6,558,250</b>	<b>-2,263,260</b>	<b>-65.49 %</b>

**EXHIBIT 22-E**

**Statement of Revenue Over Expense - No Decimals**

For Fiscal: 2016-2017 Period Ending: 04/30/2017

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
<b>Expense</b>								
<b>Level1: 100 - Personnel Costs</b>								
1100 - Salaries & Wages	60,127	69,156	9,029	86.94 %	660,475	830,200	169,725	79.56 %
1110 - Manager's Auto Allowance	277	300	23	92.34 %	2,908	3,600	692	80.77 %
1120 - Manager's Deferred Comp	378	417	38	90.86 %	4,163	5,000	837	83.26 %
1130 - Unemployment Compensation	0	83	83	0.00 %	0	1,000	1,000	0.00 %
1140 - Insurance Opt-Out Supplemental	0	275	275	0.00 %	2,799	3,300	501	84.82 %
1150 - Temporary Personnel	1,215	33	-1,182	3,647.15 %	4,639	400	-4,239	1,159.86 %
1160 - PERS Retirement	5,943	12,337	6,394	48.17 %	140,140	148,100	7,960	94.63 %
1170 - Medical Insurance	8,494	8,597	102	98.81 %	81,162	103,200	22,038	78.65 %
1180 - Medical Insurance - Retirees	2,279	1,591	-688	143.27 %	21,254	19,100	-2,154	111.28 %
1190 - Workers Compensation	1,101	1,358	256	81.12 %	11,796	16,300	4,504	72.37 %
1200 - Life Insurance	118	183	66	64.12 %	1,208	2,200	992	54.89 %
1210 - Long Term Disability Insurance	355	400	44	88.90 %	3,555	4,800	1,245	74.06 %
1220 - Short Term Disability Insurance	70	100	29	70.51 %	705	1,200	495	58.74 %
1230 - Other Benefits	0	0	0	0.00 %	297	0	-297	0.00 %
1260 - Employee Assistance Program	19	42	23	44.92 %	189	500	311	37.76 %
1270 - FICA Tax Expense	22	83	62	26.16 %	674	1,000	326	67.40 %
1280 - Medicare Tax Expense	772	1,025	253	75.31 %	12,244	12,300	56	99.55 %
1290 - Staff Development & Training	56	741	685	7.62 %	743	8,900	8,157	8.34 %
1300 - Conference Registration	0	108	108	0.00 %	1,542	1,300	-242	118.64 %
1310 - Professional Dues	0	67	67	0.00 %	258	800	542	32.29 %
1320 - Personnel Recruitment	0	167	167	0.00 %	700	2,000	1,300	34.98 %
<b>Total Level1: 100 - Personnel Costs:</b>	<b>81,228</b>	<b>97,061</b>	<b>15,833</b>	<b>83.69 %</b>	<b>951,451</b>	<b>1,165,200</b>	<b>213,749</b>	<b>81.66 %</b>
<b>Level1: 200 - Supplies and Services</b>								
2000 - Board Member Compensation	0	958	958	0.00 %	6,649	11,500	4,851	57.82 %
2020 - Board Expenses	352	258	-94	136.27 %	2,094	3,100	1,006	67.54 %
2040 - Rent	559	808	249	69.23 %	7,544	9,700	2,156	77.77 %
2060 - Utilities	686	991	305	69.22 %	7,756	11,900	4,144	65.18 %
2120 - Insurance Expense	1,056	1,166	111	90.51 %	10,556	14,000	3,444	75.40 %
2130 - Membership Dues	186	633	447	29.44 %	7,835	7,600	-235	103.10 %
2140 - Bank Charges	120	100	-20	119.56 %	1,051	1,200	149	87.57 %
2150 - Office Supplies	2,276	367	-1,909	620.94 %	6,747	4,400	-2,347	153.33 %
2160 - Courier Expense	111	200	89	55.47 %	1,594	2,400	806	66.42 %
2170 - Printing/Photocopy	61	125	64	49.15 %	107	1,500	1,393	7.16 %
2180 - Postage & Shipping	155	175	20	88.61 %	1,665	2,100	435	79.26 %
2190 - IT Supplies/Services	3,115	2,407	-708	129.40 %	24,935	28,900	3,965	86.28 %
2200 - Professional Fees	5,492	4,390	-1,103	125.11 %	52,746	52,700	-46	100.09 %
2220 - Equipment Repairs & Maintenance	837	192	-645	436.82 %	1,717	2,300	583	74.67 %
2235 - Equipment Lease	314	358	44	87.79 %	3,706	4,300	594	86.19 %
2240 - Telephone	1,028	1,158	130	88.81 %	9,827	13,900	4,073	70.70 %
2260 - Facility Maintenance	1,823	1,025	-799	177.94 %	9,464	12,300	2,836	76.94 %

**EXHIBIT 22-E**

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**Statement of Revenue Over Expense - No Decimals****For Fiscal: 2016-2017 Period Ending: 04/30/2017**

Level...	April Activity	April Budget	Variance Favorable (Unfavorable)	Percent Used	YTD Activity	Total Budget	Variance Favorable (Unfavorable)	Percent Used
2270 - Travel Expenses	715	716	1	99.86 %	3,234	8,600	5,366	37.61 %
2280 - Transportation	137	858	721	16.02 %	1,331	10,300	8,969	12.92 %
2300 - Legal Services	0	19,992	19,992	0.00 %	117,849	240,000	122,151	49.10 %
2380 - Meeting Expenses	268	150	-118	178.53 %	1,080	1,800	720	59.97 %
2420 - Legal Notices	55	142	86	39.11 %	133	1,700	1,567	7.82 %
2460 - Public Outreach	239	133	-106	179.24 %	1,731	1,600	-131	108.16 %
2480 - Miscellaneous	0	92	92	0.00 %	262	1,100	838	23.84 %
2500 - Tax Administration Fee	12,599	1,066	-11,533	1,181.63 %	12,599	12,800	201	98.43 %
2900 - Operating Supplies	0	150	150	0.00 %	598	1,800	1,202	33.23 %
<b>Total Level1: 200 - Supplies and Services:</b>	<b>32,186</b>	<b>38,610</b>	<b>6,423</b>	<b>83.36 %</b>	<b>294,809</b>	<b>463,500</b>	<b>168,691</b>	<b>63.60 %</b>
<b>Level1: 300 - Other Expenses</b>								
3000 - Project Expenses	141,131	387,891	246,760	36.38 %	2,526,016	4,656,550	2,130,534	54.25 %
4000 - Fixed Asset Purchases	6,555	1,649	-4,906	397.45 %	17,335	19,800	2,465	87.55 %
5000 - Debt Service	0	19,159	19,159	0.00 %	70,424	230,000	159,576	30.62 %
6000 - Contingencies	0	1,933	1,933	0.00 %	0	23,200	23,200	0.00 %
<b>Total Level1: 300 - Other Expenses:</b>	<b>147,686</b>	<b>410,632</b>	<b>262,946</b>	<b>35.97 %</b>	<b>2,613,775</b>	<b>4,929,550</b>	<b>2,315,775</b>	<b>53.02 %</b>
<b>Total Expense:</b>	<b>261,100</b>	<b>546,302</b>	<b>285,202</b>	<b>47.79 %</b>	<b>3,860,034</b>	<b>6,558,250</b>	<b>2,698,216</b>	<b>58.86 %</b>
<b>Total Revenues</b>	<b>1,629,018</b>	<b>546,302</b>	<b>1,082,715</b>	<b>-298.19 %</b>	<b>4,294,990</b>	<b>6,558,250</b>	<b>-2,263,260</b>	<b>-65.49 %</b>
<b>Total Fund: 35 - WATER SUPPLY FUND:</b>	<b>1,367,917</b>	<b>0</b>	<b>1,367,917</b>		<b>434,956</b>	<b>0</b>	<b>434,956</b>	
<b>Report Total:</b>	<b>1,804,195</b>	<b>0</b>	<b>1,804,195</b>		<b>406,652</b>	<b>0</b>	<b>406,652</b>	

**EXHIBIT 22-E****Statement of Revenue Over Expense - No Decimals**

132

For Fiscal: 2016-2017 Period Ending: 04/30/2017

**Fund Summary**

<b>Fund</b>	<b>April Activity</b>	<b>April Budget</b>	<b>Variance Favorable (Unfavorable)</b>	<b>Percent Used</b>	<b>YTD Activity</b>	<b>Total Budget</b>	<b>Variance Favorable (Unfavorable)</b>	<b>Percent Used</b>
24 - MITIGATION FUND	125,097	0	125,097		-230,134	0	-230,134	
26 - CONSERVATION FUND	311,181	0	311,181		201,830	0	201,830	
35 - WATER SUPPLY FUND	1,367,917	0	1,367,917		434,956	0	434,956	
<b>Report Total:</b>	<b>1,804,195</b>	<b>0.01</b>	<b>1,804,195</b>		<b>406,652</b>	<b>0</b>	<b>406,652</b>	

**ITEM: CONSENT CALENDAR****23. RECEIVE 2016 MONTEREY PENINSULA WATER CONSERVATION PROGRAM ANNUAL REPORT****Meeting Date: June 19, 2017** **Budgeted: N/A****From: David J. Stoldt** **Program/ N/A**  
**General Manager** **Line Item No.:****Prepared By: Stephanie Locke** **Cost Estimate: N/A****General Counsel Review: N/A****CEQA Compliance: N/A**

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**SUMMARY:** Attached as **Exhibit 23-A** is the 2016 Monterey Peninsula Water Conservation Program Report. The report is a joint effort between the District and California American Water to document programs and activities from the previous year. The report is prepared annually for the Public Utilities Commission as part of the Settlement Agreement that provides funding for local conservation programs.

**RECOMMENDATION:** The Board will receive the report with adoption of the Consent Calendar.

**EXHIBIT****23-A** 2016 Monterey Peninsula Water Conservation Program Report



# 2016 Monterey Peninsula Water Conservation Program Annual Report

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PREPARED BY  
**CALIFORNIA AMERICAN WATER, COASTAL DIVISION**  
IN PARTNERSHIP WITH  
**THE MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**







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## EXECUTIVE SUMMARY

This report documents conservation efforts undertaken by California American Water's Coastal Division and the Monterey Peninsula Water Management District (MPWMD) during 2016 pursuant to the Partial Settlement Agreement between the Office of Ratepayer Advocates, the Utility Reform Network, and California American Water Company on Revenue Requirement as to the Conservation Budget for the Monterey District under the California Public Utilities Commission (CPUC) A.13-07-002 (July 1, 2013).

California American Water, in collaboration with MPWMD, has prepared this report to provide a record of the Coastal Division water conservation programs and activities implemented in 2016, as well as California American Water's projected efforts for 2017. Reports for previous years are available by contacting either California American Water or the MPWMD.

For answers to questions regarding this report, please contact the following representatives from the compiling agencies:

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## SUMMARY OF REPORTING REQUIREMENTS

The following are the mandatory Coastal Division reporting requirements. Additional information has been provided in this report to document other conservation efforts undertaken by California American Water and MPWMD during 2016. The report breaks out (1) conservation activities California American Water undertakes on its own, (2) conservation activities MPWMD undertakes from its own budget, (3) programs MPWMD undertakes that are funded through the California American Water conservation surcharge. The report includes:

- A brief explanation of the need for each activity, the nature of the activity, measurable goals, and the results and achievements for each program (including information such as number of units distributed or installed, estimated water—and energy if quantifiable – savings in water and dollars, etc.).
- A summary of the conservation plan for the following year with timelines, implementation plans and budgeted amounts for each type of activity.
- Electronic spreadsheets that include estimated water savings for each customer receiving an audit, a rebate, or a retrofit for years 2015 & 2016.
- Estimated water savings for each device offered through California American Water and MPWMD's conservation programs funded through the California American Water conservation surcharge.
- An Evaluation of the effectiveness of the Outreach Program.
- An annual analysis of the weather-adjusted consumption in the Coastal Division.

## ABBREVIATIONS USED THROUGHOUT THE REPORT

The following abbreviations are found throughout this report.

CAW – California American Water

MPWMD – Monterey Peninsula Water Management District

AFA – Acre-feet annually

BMP – Best Management Practice

CHECW – Commercial High Efficiency Clothes Washer

CIMIS – California Irrigation Management Information System

CLIA – Certified Landscape Irrigation Auditor

CPUC – California Public Utilities Commission

CUWCC – California Urban Water Conservation Council

ORA – Office of Ratepayer Advocates

$E_t$  – Evapotranspiration

GPF – Gallons per Flush

GPM – Gallons per Minute

GRC – General Rate Case

HECW – High Efficiency Clothes Washer

HET – High Efficiency Toilet (1.28 GPF)

IAHWS – Instant-Access Hot Water System

MCBC – Monterey County Business Council

RSOD – Rain Sensor Shut Off Device

SMS – Soil Moisture Sensor

UHET – Ultra High Efficiency Toilet (0.8 GPF)

ULFT – Ultra Low Flush Toilet (1.6 GPF)

WBIC – Weather based (or “Smart”) irrigation system controller



## CALIFORNIA AMERICAN WATER, COASTAL DIVISION— 2016 PROGRAMS FUNDED BY THE CONSERVATION SURCHARGE

### SUMMARY OF CALIFORNIA AMERICAN WATER PROGRAMS

The programs funded by the conservation surcharge during 2016 are summarized and described following the table.

*TABLE 1. CALIFORNIA AMERICAN WATER 2016 PROGRAMS FUNDED BY CONSERVATION SURCHARGE*

Program	Cost	Need For Program	Nature of Activity	Measurable Goal	Result of Achievements	Estimated Savings (AF)
Water Wise House Calls	None (funded by Labor budget)	Residential conservation including high use evaluations	Customers given assessment of indoor & outdoor water usage, recommended irrigation schedule, water saving devices including hourly usage data collection utilizing AMI meter reading system	Audits upon request and immediate investigation of high use	380 audits completed	2016 Estimated Savings 13.75 AF (Actual Savings for 2015 based on usage records for 248 Audits: 22.8 AF)
Residential Plumbing Retrofit	\$59,482	Provide conservation devices to customers to reduce consumption	Distribution of water saving devices at events, and walk ins.	Reduce waste water from high flow water fixtures	See Conservation Devices Section	39.91 AF
Rebates	\$522,709	Provide rebates to customers to encourage water reductions	Provide incentives to customers for upgrading to high efficiency/water saving fixtures and appliances	See MPWMD Section.	1,928 SF rebates; 101 MF rebates; 47 CII rebates.	28.88 AF

CII Audits	\$10,942	CII Audits by Water Wise Consulting	Water use survey includes: audit of water fixtures, water & behavior use patterns, report includes findings, recommended actions, and payback periods for retrofits and/or replacement of fixtures	Goal is 35 CII Audits	Completed 2 CII Audits	0.05 AF Estimate Savings Total 16 Audits for 2015 Based on usage <b>records:</b> saved 12 AF
Rain Sensor Installation Program	\$8,849	Program for Residential Customers with high usage during spring and winter months	CAW (through contractor) installs free rain sensors for qualified customers	Goal is 50 Rain Sensors	Completed installation of 39 Rain Sensors	Not Quantifiable
Landscape Grant Program	\$25,000	Provide incentives for cities schools and parks to upgrade irrigation systems to encourage conservation	Grant funding for replacement of turf, upgrading of irrigation systems, installation of water saving technology.	Goal is 1 project	Completed the replacement of inefficient sprinkler heads to the efficient rotary nozzles for 9 schools of the Monterey Peninsula Unified School District	Salvation Army Project – Upgrade Irrigate System 0.70 Acre Feet
Public Outreach and Education	\$160,755	Promote Water Conservation, SWRCB Cease and Desist Order & California Drought	Promote quantifiable BMP programs, educate customers and communicate water issues and efforts needed for Monterey Peninsula	Support BMP programs, attend events, and reduce spring water usage.	Multimedia conservation campaign with community involvement	Not quantifiable

## RESIDENTIAL AUDITS (WATER WISE HOUSE CALLS)

California American Water has been providing free Water Wise House Calls to its customers since 2008 and utilizes in-house trained audit staff at no cost to the Conservation Budget. The program is available to residents of single and multi-family properties and to owners and managers of apartments and condominiums, offering free residential audits to identify ways by which the customer can save water indoors and outdoors.

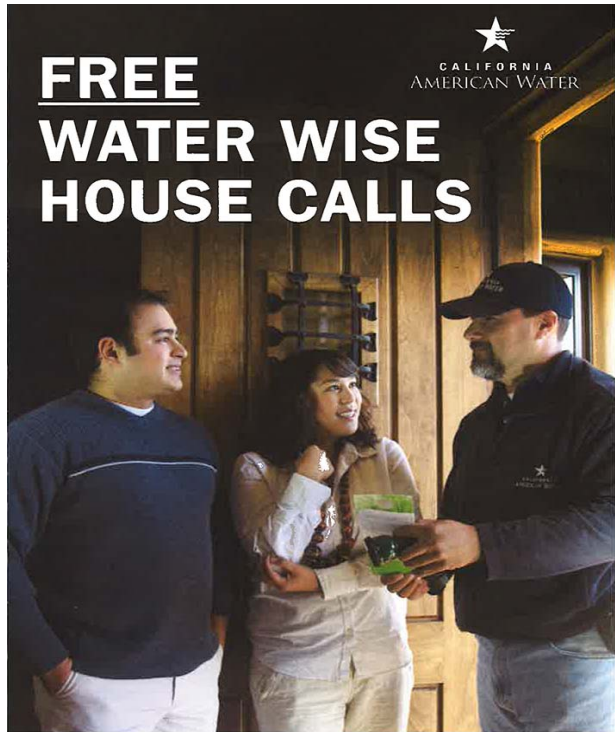
California American Water's conservation staff completed 380 Water Wise House Calls in 2016. In addition, conservation staff completed 416 high bill investigations where customers were assisted in identifying root causes of high water use.

California American Water promoted the Water Wise House Call program through bill inserts, rebate brochures, offering the service to customers who visited the office to make payments and by targeting customers who had received high water bills and had been billed in the higher tiers of CAW's five-tiered rate design.

During the Water Wise House Calls (audits) & high bill investigations, California American Water identified common inefficiencies and water waste in many of the Monterey residences. The most common occurrences were:

- Toilet and faucet leaks
- Irrigation controllers set to run too long resulting in water waste
- Misaligned and broken sprinkler heads
- Customer service line leaks

California American Water's conservation staff assisted customers by showing them how to read their water meters and convert cubic feet to gallons so that customers can better monitor their daily usage and compare the meter readings to the billing units identified on their water bills. In addition, conservation staff also assisted customers by properly adjusting their irrigation controllers to meet the plant water needs and to irrigate in compliance with MPWMD's two day a week watering schedule. Conservation staff also provided free water conserving devices to



**FREE**  
**WATER WISE**  
**HOUSE CALLS**

CALIFORNIA  
AMERICAN WATER

Take advantage of **free** Water Wise House Calls. Call California American Water at (831) 646-3205 to schedule an appointment with a certified Conservation Specialist.

"After a Water Wise House Call helped me discover ways to save water, my water bill went from \$57 to only \$16!"  
-Merry Trucksis, California American Water customer

customers. The audit reports also include recommendations on utilizing the rebate program for the replacement of high water-use fixtures and appliances at customers' homes.

California American Water offers **free Water Wise House Calls**. A certified Conservation Specialist will visit your home, check for leaks, and identify ways you can save water both indoors and out. Our experts will teach you how to read your meter and help you develop an irrigation schedule based on your landscaping. We would like to help you save water and money by offering you a **free Water Wise House Call**. In addition to helping lower your water bill, you will also be helping to preserve our most precious resource: water.

**A WATER WISE HOUSE CALL PROVIDES:**

- ◆ **Leak Detection:** We will help you identify leaks inside and out. Leaks are not only big water wasters, they can also be very costly.
- ◆ **Read Your Water Meter:** We will show you how to read your water meter to find possible leaks. By monitoring your meter regularly, you can catch and fix leaks more efficiently.
- ◆ **Free Plumbing Retrofit Materials:** We will check your showerhead and faucet flow rates as well as toilet flush volumes. Free low-flow showerheads and faucet aerators for the bathroom(s) and kitchen will be provided where needed.
- ◆ **Schedules and Tips:** We will help you create appropriate landscape irrigation schedules and show you water saving tips. Resources on planting native and drought tolerant plants will also be provided.

**WHO'S ELIGIBLE?**

All residents in the California American Water Monterey District are eligible for a **free Water Wise House Call**. Residents of **single-family homes, condominiums, town houses, apartments, and mobile homes** are all welcome to participate.

**MAKE WISE WATER USE PART OF YOUR DAILY ROUTINE**

**Inside**

- ◆ Run dishwashers and clothes washers only when they are full. If you have a water-saver cycle, use it.
- ◆ Check for leaks in your toilet. Place a few drops of food coloring in the tank. If, after 10 minutes, color appears in the bowl, you have a leak.
- ◆ Turn off the tap while brushing your teeth or washing dishes in the sink.

**Outside**

- ◆ Make the most of your water by watering in the early morning. As much as 30 percent of water can be lost to evaporation by watering during midday.
- ◆ Use drip irrigation to water plants.
- ◆ Plant appropriately for your local climate. Check with local nurseries for non-invasive, drought-tolerant plants.



California American's Water Wise House Call program showed a 12-month water savings of 22.8 acre feet of water for participating customers in 2015 (year 2015 was used to provide a complete year of post-retrofit consumption). There were 248 audits and of those, 212 accounts showed water savings in the 12 months after the audit.

The audit reports also included recommendations on utilizing the rebate program for the replacement of specific appliances at customer's homes.

The effectiveness of the Water Wise House Call program was evaluated through the evaluation of water savings, as well as by inclusion of an evaluation survey form along with a pre-stamped envelope in the customer report package. 113 surveys were returned. The customer evaluation surveys received from the Water Wise House Call service showed high customer appreciation.

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Comments included on the evaluation form acknowledged that the staff was courteous, helpful and knowledgeable:

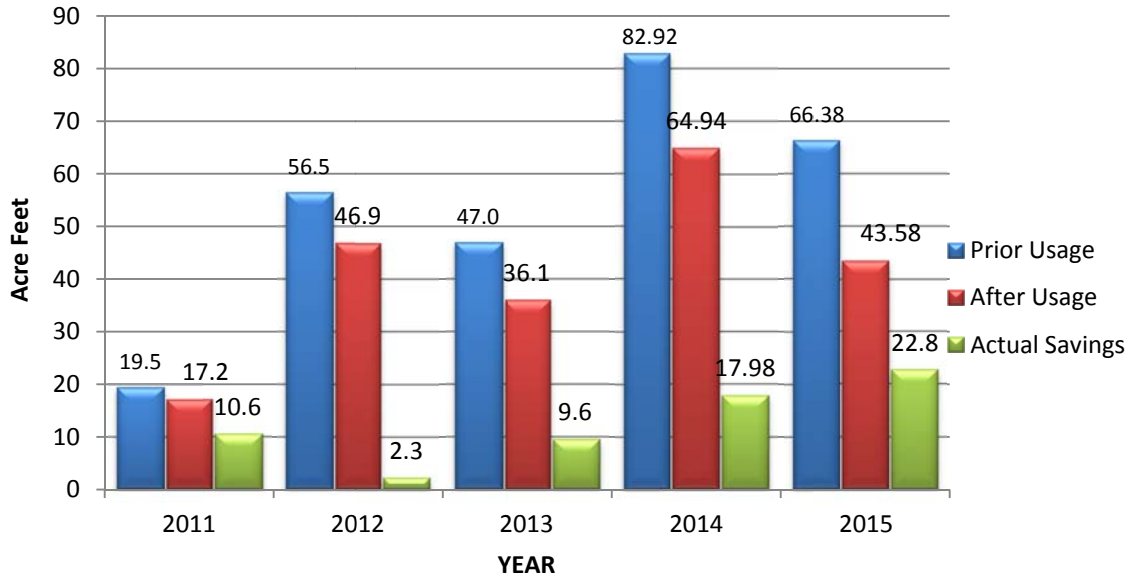
- “Ray was extremely helpful and courteous; he went out of his way to be helpful!!”
- “Kelly gave excellent service and she explained everything clearly.”
- “Harriet was thorough, an excellent teacher and very patient.”
- “Melissa was amazing, very professional and knowledgeable.”
- “Ray is an outstanding employee and did an excellent job!”
- “We appreciated Kelly’s friendly manner, her knowledge and ability to explain her findings to us as well as her speedy submission of our water audit analysis.”
- “Harriet: This is one of the best services we ever had from a utility company.”
- “Melissa: I am very I impressed with the water wise house call, but more specifically Melissa. She explained everything in an easy way to understand....and how quickly I received the report.”

The Water Wise House Call program has been very successful in conserving water. Providing customers with an irrigation schedule, low flow devices, and recommendations for retrofits has been instrumental in saving 63.49 acre feet over a 5-year period, 2011 through 2015 and instituting long lasting behavioral changes for participating customers. The savings are based on actual usage records, collected 12 months prior to the audit and 12 months after the audit. Table 2 summarizes these findings.

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TABLE 2. 2011 THROUGH 2015 WATER WISE HOUSE CALLS PROGRAM

### Water Wise House Calls 2011 - 2015 Actual Water Savings



#### 2011- 2015 Residential Water Wise House Calls

Year	Prior Usage	After Usage	Actual Savings	Usage Reduction %	Number of Audits	Number Residents Using Less Water	Number Residents Using More Water	Residents Using Less Water %	Residents Using More Water %
2011	19.5	17.2	-2.3	11.8%	75	35	40	46.7%	53.3%
2012	56.5	46.9	-9.6	17.0%	169	116	53	68.6%	31.4%
2013	46.98	36.08	-10.9	23.2%	206	163	43	79.1%	20.9%
2014	82.92	64.94	-17.98	21.7%	345	290	50	85.5%	15.9%
2015	66.38	43.58	-22.8	34.3%	248	212	36	85.5%	14.5%



LEAK DETECTION



California American Water Conservation staff identifies leaks and difficult-to-diagnose high water bills by utilizing meter reading data logging software and downloading up to 180 days of usage, hour by hour, from the company's AMI meters (representing approximately 50% of the meters currently in the ground).

This data allows for the evaluation of hourly usage patterns which have aided in identifying the date range in which high usage occurred, and resulted in the identification of issues including improperly programmed irrigation controllers, leaks in the irrigation system, toilet leaks, service line leaks, and hoses left running. This new technology assisted us in determining the root cause of high water bills for 437 customers. The report also allows for identification of potential backflow issues which could compromise the quality of the water system and pose potential health risks to our customers.

Data Log Report for Residential Customers

MIU#	date	time	meter reading	10CF consumption	gallon consumption	minor backflow	major backflow	intermittent leak	continuous leak
1830129621	Saturday, September 24, 2016	6:11 AM	10449.585	0.02	1.496	1	0	0	0
1830129621	Saturday, September 24, 2016	7:11 AM	10449.605	0.001	0.0748	1	0	0	0
1830129621	Saturday, September 24, 2016	8:11 AM	10449.606	0.043	3.2164	1	0	0	0
1830129621	Saturday, September 24, 2016	9:11 AM	10449.649	0.135	10.098	1	0	0	0
1830129621	Saturday, September 24, 2016	10:11 AM	10449.784	0.743	55.5764	1	0	0	0
1830129621	Saturday, September 24, 2016	11:11 AM	10450.527	1.77	132.396	1	0	0	0
1830129621	Saturday, September 24, 2016	12:11 PM	10452.297	2.281	170.6188	1	0	0	0
1830129621	Saturday, September 24, 2016	1:11 PM	10454.578	2.855	213.554	1	0	0	0
1830129621	Saturday, September 24, 2016	2:11 PM	10457.433	1.738	130.0024	1	0	0	0
1830129621	Saturday, September 24, 2016	3:11 PM	10459.171	1.744	130.4512	1	0	0	0
1830129621	Saturday, September 24, 2016	4:11 PM	10460.915	1.753	131.8724	1	0	0	0
1830129621	Saturday, September 24, 2016	5:11 PM	10462.678	1.752	131.7976	1	0	1	0
1830129621	Saturday, September 24, 2016	6:11 PM	10464.44	1.771	132.4708	1	0	1	0
1830129621	Saturday, September 24, 2016	7:11 PM	10466.211	1.759	132.3212	1	0	1	0
1830129621	Saturday, September 24, 2016	8:11 PM	10467.98	1.753	131.1244	1	0	1	0
1830129621	Saturday, September 24, 2016	9:11 PM	10469.733	1.77	132.396	1	0	1	0
1830129621	Saturday, September 24, 2016	10:11 PM	10471.503	1.744	130.4512	1	0	1	0
1830129621	Saturday, September 24, 2016	11:11 PM	10473.247	1.734	129.7032	1	0	1	0
	<b>Saturday, September 24, 2016 Total</b>					1907.8488			
1830129621	Sunday, September 25, 2016	12:11 AM	10474.981	1.746	130.9008	1	0	1	0
1830129621	Sunday, September 25, 2016	1:11 AM	10476.727	1.217	91.0316	1	0	1	0
1830129621	Sunday, September 25, 2016	2:11 AM	10477.944	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	3:11 AM	10477.944	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	4:11 AM	10477.944	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	5:11 AM	10477.944	0.018	1.3464	1	0	1	0
1830129621	Sunday, September 25, 2016	6:11 AM	10477.962	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	7:11 AM	10477.962	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	8:11 AM	10477.962	0.529	39.5692	1	0	1	0
1830129621	Sunday, September 25, 2016	9:11 AM	10478.491	0.038	2.8424	1	0	1	0
1830129621	Sunday, September 25, 2016	10:11 AM	10478.529	0.038	2.8424	1	0	1	0
1830129621	Sunday, September 25, 2016	11:11 AM	10478.567	0.051	4.5628	1	0	1	0
1830129621	Sunday, September 25, 2016	12:11 PM	10478.628	1.834	137.1832	1	0	1	0
1830129621	Sunday, September 25, 2016	1:11 PM	10480.462	2.333	174.5084	1	0	1	0
1830129621	Sunday, September 25, 2016	2:11 PM	10482.795	1.843	137.8564	1	0	1	0
1830129621	Sunday, September 25, 2016	3:11 PM	10484.638	1.722	128.8056	1	0	1	0
1830129621	Sunday, September 25, 2016	4:11 PM	10486.36	0.024	1.7952	1	0	1	0
1830129621	Sunday, September 25, 2016	5:11 PM	10486.384	0	0	1	0	1	0
1830129621	Sunday, September 25, 2016	6:11 PM	10486.384	0.012	0.8976	1	0	1	0

## RESIDENTIAL & COMMERCIAL PLUMBING RETROFIT

California American Water has been offering various free water savings devices for its residential and commercial customers including showerheads and kitchen faucet aerators with a flow rate of 1.5 gallons per minute, bathroom faucet aerators with a flow rate of 0.5 gallons per minute, leak detection tablets/kits and outdoor water saving tools such as soil moisture meters and hose nozzles that automatically shut off when not in use.

As per prior practice, California American Water tracked the distribution of the various water savings devices in 2016 to identify the total number of each device distributed. The various devices were distributed to California American Water customers in a variety of means including but not limited to:

- Community events (at Company booth/display)
- California American Water front desk (walk-in customers)
- Residential Water Wise House Calls
- Commercial audits
- New customer welcome packets
- Upon customer request
- Special giveaway offer advertised in the residential customer's monthly water bills

In addition to the standard devices listed under the CUWCC's former BMP 2 requirements, California American Water also offered a variety of outdoor devices. The total number of each type of water saving device distributed in 2016 to California American Water's residential customers in Monterey are listed in Table 3. Water saving device distribution by MPWMD is discussed in the MPWMD section of this report.



TABLE 3. COASTAL DIVISION: RESIDENTIAL PLUMBING RETROFIT DETAIL

Water Saving Device	# of units/ activities	Estimated water savings per unit per year	Estimated Annual measure savings (AFY)
Showerheads	2,201	0.0062	13.64
Handheld Showerheads	266	0.0062	1.65
Bathroom Faucet Aerators	5,000	0.0017	8.5
Kitchen Faucet Aerators	3,450	0.0017	5.86
Leak Detection tablets	5,900	0.0007	4.13
Leak Detection Kits	910	0.0007	0.637
High Efficiency Pre-Rinse Spray Valve	14	0.392	5.49
Shower Timers	2,680	unknown	unknown
Dish Squeegees	2,308	unknown	unknown
Hose Shut Off Nozzles	2,160	Varies	Varies
Moisture Meters	1,796	unknown	unknown
<b>Total</b>	<b>26,685</b>		<b>39.91</b>

## LARGE LANDSCAPE AUDITS AND WATER BUDGETS

Landscape water audits and budgets are required by MPWMD's Regulation XV, Rule 172 and California American Water's Conservation Plan Rule 14.1.1 for the main system including Ryan Ranch, Hidden Hills and the Bishop systems.

Each year, California American Water identifies new customers who require landscape water audits and budgets. Customers who require landscape water audits and budgets include large residential customers whose water usage averages 320 units (23,936 gallons) per month, dedicated irrigation meters, irrigation of areas greater than three acres, and irrigated open space. These select customers are required to adhere to their budgets during Stage 2 (and higher) Water Conservation under Rule 14.1.1.

California American Water's usage records indicate that the majority of customers who have established water budgets are well below the irrigation budgets that were established during the time the audits were completed which is mainly attributed to CAW's 5-tiered rate structure, turf removal, improvement and upgrading of irrigation systems, the installation of rain sensors, and customers taking advantage of the rebate program.

Since California American Water and the Monterey Peninsula Water Management are in the process of adopting a revised Conservation and Rationing Plan which does not mandate the requirement of landscape audits and budgets, it was decided to conduct landscape audits only as deemed necessary or by customer request.

Details of the large landscape audit program are described in MPWMD's Conservation Activities section.

## LANDSCAPE GRANT PROGRAM

California American Water's successful landscape grant program, implemented in 2011, continued in 2016 to reduce the water demand of municipal properties by changing landscaping and upgrading irrigation systems. California American Water's large landscape grant program focuses on replacing turf on city properties and schools with low water use plants, and/or



installation of water saving irrigation technology. The grant award is intended to provide funding for a demonstration project with high visibility, significant water savings, exemplary landscaping, and/or use of water-saving irrigation technology.

In September of 2015, California American Water received a landscape grant proposal from the Salvation Army to upgrade its irrigation systems for three of its adjacent properties located in Seaside that services its school that supports an athletic field, two housing

facilities for the homeless, afterschool care, apartments for emergency and transitional housing, and a daycare center for the homeless. Two bids were received for approximately \$30,000 where one of the landscaping companies removed \$5,000 as a donation leaving the proposal at \$25,000.

After reviewing the proposal and conducting an onsite inspection, the irrigation system was found to be antiquated, inefficient and in need of repair. Shrubs and plants were being irrigated with highly inefficient spray heads which needed to be converted to automatic drip and parts of the system were completely shut off.

In 2016, California American Water awarded the Salvation Army \$25,000 to convert existing high use sprinklers to automatic drip, replace all high use sprinkler heads with efficient rotary nozzles, install a new irrigation controller for the school's athletic fields and turf areas, and install wireless rain sensors for all its existing controllers.

Rotary nozzles deliver larger droplet streams of water at a lower application rate, thus reducing wind deflection and increasing irrigation efficiency. Because the water is applied more slowly, more water can soak into the soil. In addition, rotary nozzles' highly efficient water delivery reduces soil erosion and run off, saving water and money. The potential estimated annual water savings for this project amount to 162,600 gallons. The project began in September of 2015 and was completed in March of 2016.

**Salvation Army**  
162,600 Gallons Estimated Water Savings for 3 properties

Replacement of High Use Inefficient Sprinklers to High Efficiency Rotary Nozzles



High Water-Use Inefficient Fixed Spray Sprinklers

Low Water-Water Use Efficient Rotary Nozzle Sprinklers



## RAIN SENSOR INSTALLATION PROGRAM

California American Water continued its Rain Sensor Installation Program through its contractor EcoTech and has installed 440 rain sensors since the program began in 2011 for residential and non-residential customers. In addition, soil moisture sensors were offered to select customers in 2015 that have landscapes which would benefit from this add-on to the Sensor Program. In 2016, there were a total of 39 rain sensors installed.

The rain sensor has a shut off device which automatically signals the irrigation controller to curtail irrigation when it rains, and allows watering to resume when needed. The rain sensor can be programmed to halt irrigation for up to 72 hours after a rainfall event.

Potential candidates for rain sensors are customers who have been billed in the 4<sup>th</sup> and 5<sup>th</sup> tier of California American Water's five-tiered residential rate structure during the months of January through April and during the months of November and December, indicating possible over-irrigation occurring during those months. These customers would have exceeded their allotments during these months.

Rain Sensor



Soil Moisture Sensor

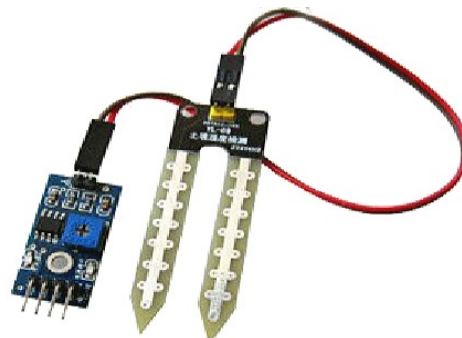
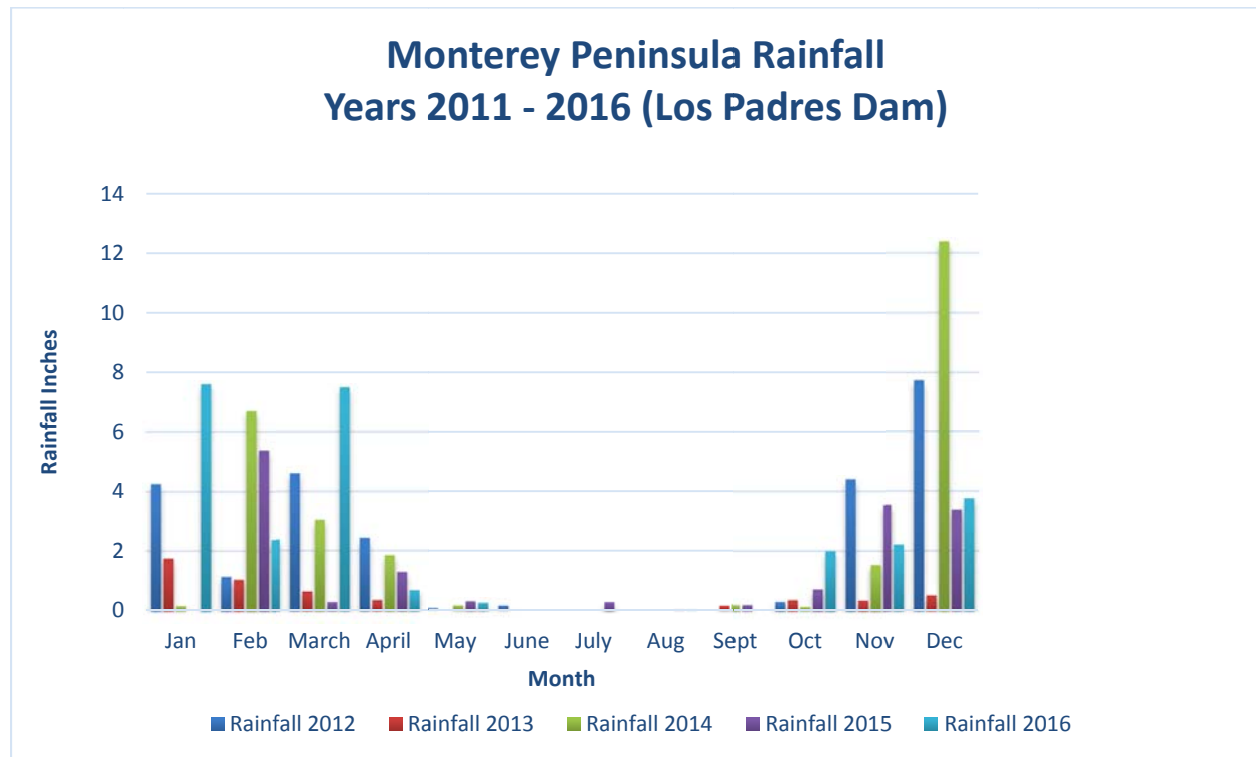


TABLE 4. MONTEREY PENINSULA MONTHLY RAINFALL 2011 – 2016 (LOS PADRES DAM WEATHER STATION)



Monthly Rain Fall for Years 2011 through 2016 (Los Padres Dam)													
Year	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Rainfall 2011	3.2	6.77	8.63	0.37	1.26	1.84	0	0	0	1.63	2.66	0.17	26.53
Rainfall 2012	4.26	1.14	4.61	2.43	0.06	0.14	0	0	0	0.3	4.41	7.74	25.09
Rainfall 2013	1.75	1.04	0.64	0.35	0	0	0	0	0.14	0.36	0.34	0.51	5.13
Rainfall 2014	0.16	6.7	3.03	1.85	0.15	0	0	0	0.19	0.13	1.53	12.4	26.13
Rainfall 2015	0	5.39	0.28	1.29	0.29	0	0.3	0	0.19	0.72	3.54	3.38	15.35
Rainfall 2016	7.6	2.37	7.49	0.68	0.24	0	0	0	0	2	2.21	3.76	26.36

## COMMERCIAL, INDUSTRIAL, INSTITUTIONAL (CII) AUDITS

California American Water continued its commercial audit program established in 2009 along with its contract with Water Wise Consulting to conduct commercial, institutional, and industrial audits during 2016. Water Wise Consulting completed 2 audits with an estimated potential savings of 0.05 acre feet following the implementation of the audit recommendations. Since the program began in 2009, over 259 commercial customers have participated in the audits and have implemented water saving measures.

California American Water's conservation staff follow up with the customers on site and in person to review the audit reports and provide free devices, such as faucet aerators and pre-rinse spray valves. Customers were also requested to sign a statement confirming their receipt of the report and their consent for MPWMD to receive a report copy.



Customers were given audit reports that focused on applicable water-saving devices, and estimated water and cost savings together with expected payback periods for such upgrades. The payback period calculations included the rebate incentives available to CII customers through the California American Water and MPWMD Rebate Program.

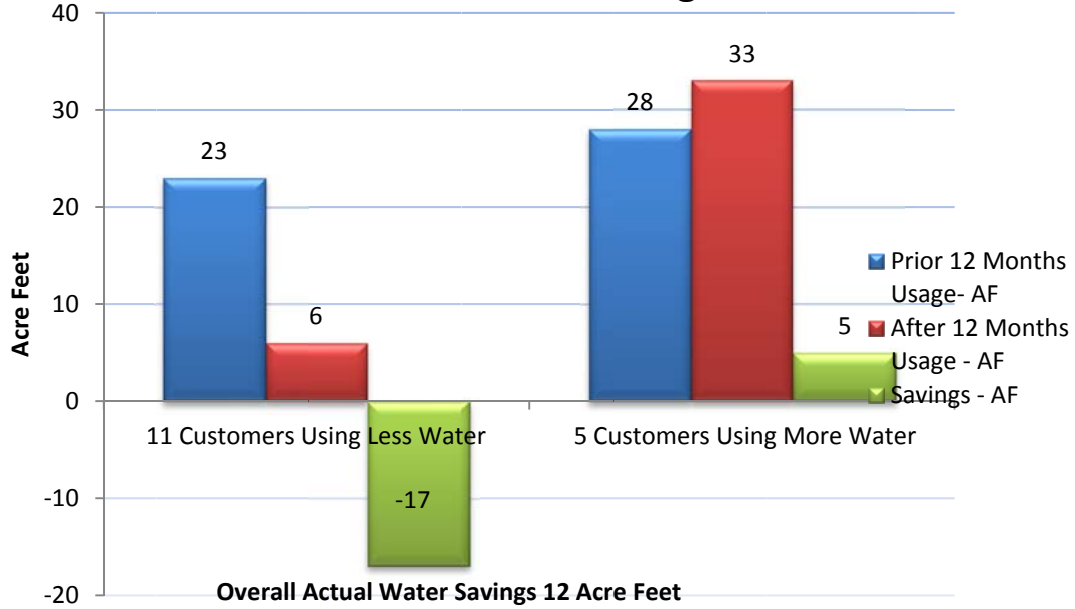
Conservation Specialist Harriet Fox reviews commercial audit report with Canterbury Woods' representative

The actual water savings for the audits shown here reflect year 2015 audit activity to show a full 12 months of post audit water usage as required.

Comparing pre-audit and post-audit usage, there were a total of 12 acre feet of water savings, however, 11 of the 16 audits showed a savings of 12 acre feet, whereas 5 customers increased their usage by 5 acre feet during 2015. Many of these customers have water meters that serve not only indoor plumbing fixtures but also outdoor irrigation. Due to the continued drought, some customers had an increase in summer outdoor water usage to maintain their landscape which is a potential reason for the increase in consumption seen for these 5 customers.

TABLE 5. COMMERCIAL, INDUSTRIAL, & INSTITUTIONAL AUDITS – WATER SAVINGS

**2015 CII Audits - Actual Water Savings - 12 Acre Feet**



	11 Customers Using Less Water (AF)	5 Customers Using More Water (AF)
Prior 12 Months Usage - AF	23	28
After 12 Months Usage - AF	6	33
Savings- AF	-17	5
Number of Audits	11	5
Increase or Decrease In Usage	-74%	18%



**RATE BEST MANAGEMENT PRACTICE INSPECTIONS**

In 2013, California American Water changed its non-residential rate structure that now places customers in one of four rate divisions based on compliancy with indoor and outdoor best management practices also known as Rate BMP’s. Non-residential customers were required to complete a survey to determine their appropriate rate category.

To ensure that non-residential customers are complying with the BMPs that placed them in one of the four rate divisions, California American Water, in partnership with the Monterey Peninsula Water Management District in 2016 began the process of inspecting non-residential properties.

Since the MPWMD’s water use efficiency requirements are more stringent than CAW’s Rate BMP indoor water fixture requirements, MPWMD conservation staff inspect indoor fixtures and identify customers that have outdoor irrigation and report findings to CAW’s Conservation Department. CAW conservation staff inspects customers that have been identified as having landscaping. They also utilize MPWMD’s findings to ensure customers comply with the Rate BMP’s and placed in the appropriate rate division. Customers that are determined to be non-compliant have 30 days to make necessary corrections to avoid a potential change in rate classification.

In 2016, 941 inspections were completed by CAW and the MPWMD. There were 77 customers that were non-compliant with the Rate BMP’s. Thirty-two made corrections within the 30 days to avoid paying the higher rate.

**Rate BMP Survey Inspection Summary**

Date	Total Completed Indoor and/or Outdoors by CAW & MPWMD	Indoor Audits Completed MPMWD	Mixed Use: Indoors completed MPWMD/ Outdoors by CAW	Mixed Use (Indoor and outdoors) by CAW	Dedicated Irrigation Meters Completed by CAW
<b>2016 Totals</b>	<b>941</b>	<b>411</b>	<b>129</b>	<b>29</b>	<b>372</b>



California American Water’s Conservation Specialist Melissa Ward inspecting a commercial property to ensure the customer is Rate BMP compliant. Melissa is checking the sprinkler types to confirm the turf grass is irrigated with either gear driven rotor sprinklers, multi stream, multi trajectory rotating sprinklers, and/or high efficiency fixed spray nozzles. In addition, all landscape customers are required to have an irrigation controller with a water budget feature and a rain sensor.



CALIFORNIA  
AMERICAN WATER

511 Forest Lodge Road, Suite 100, Pacific Grove, CA 93950 | Phone: (831) 646-3205 | Fax: (831) 646-3204

NON-RESIDENTIAL INSPECTION REPORT

Water Usage Survey For:

Business Name: \_\_\_\_\_  
Owner's Name: \_\_\_\_\_  
Person Contacted: \_\_\_\_\_ Rate Division: \_\_\_\_\_  
Service Address: \_\_\_\_\_  
City \_\_\_\_\_ Account Number \_\_\_\_\_  
State \_\_\_\_\_ Zip Code \_\_\_\_\_ Premise Number \_\_\_\_\_

INDOOR:

Inspected by M.P.W.M.D Date: \_\_\_\_\_ Reference #: \_\_\_\_\_

OUTDOOR: Do you water outside? Y / N

Compliance  
Y N N/A

Automated irrigation controller: \_\_\_\_\_ Water Budget Feature \_\_\_\_\_ Rain Sensor \_\_\_\_\_ Soil Sensor \_\_\_\_\_

Remarks: \_\_\_\_\_

Turf grass: Gear drive rotor sprinklers \_\_\_\_\_ Multi-stream, multi-trajectory rotators (MP Rotators) \_\_\_\_\_

High efficiency fixed spray nozzles \_\_\_\_\_ Subsurface low volume emitters \_\_\_\_\_

Remarks: \_\_\_\_\_

Shrub beds: \_\_\_\_\_ Size of bed (width): \_\_\_\_\_ Type of heads: \_\_\_\_\_

(The use of standard fixed spray nozzles will not be allowed in landscape beds measuring 3' or less)

Hand watering by hose: \_\_\_\_\_ Hose nozzle: \_\_\_\_\_

Is outdoor watering essential to your business? (Examples: nurseries, golf courses, public parks, ball fields and cemeteries)?

Yes  No  Not Sure  Not applicable If yes, type of business: \_\_\_\_\_

How much of your property is irrigated?

Less than 10%  More than 10%  Not applicable

INSPECTOR NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

This Form certifies that an inspection was conducted at the above address for your commercial business to verify compliance with the Rate Best Management Practices (BMP's) for your current rate division. At the time of inspection, the property was found to be  In  Out of compliance with your current rate division.

Action Required

Items not in compliance must be corrected within thirty (30) days to avoid a potential change in rate classification.

Re-inspection required. Please call 831-646-3205 to schedule appointment.

I acknowledge receipt of the BMP inspection report as provided by California American Water.

Auditor Initials \_\_\_\_\_

Acknowledgement of Receipt \_\_\_\_\_

Date \_\_\_\_\_

## SCHOOL EDUCATION AND OUTREACH

In 2016, California American Water continued reaching its key objectives for ongoing school education and outreach in water conservation.

The key goals included:

- Ongoing relationship building with the Water Awareness Committee (WAC);
- Outreach to students at community events offering free educational materials;
- Outreach to students in-class and at afterschool activities to offer education regarding water conservation.



### Zun Zun School Performances

California American Water, through the WAC, offered school presentations by the Zun Zun performance group. In 2016, Zun Zun provided fifteen 45-minute performances within California American Water's service territory. The performances reached a total of 5,075 students and covered topics such as the water cycle, watershed, indoor conservation and conservation tips, including information about fixing leaks.

Students were encouraged to participate during the event through a song and dance presentation of the water cycle. Conservation tips were also presented to the students such as taking shorter showers, not letting the faucet run when brushing teeth, using a positive shut off nozzle at the end of a hose when watering the plants, and to notify their parents when they see leaks at home or their school teacher when they see leaks at school.

TABLE 6. SCHOOL EDUCATION PROGRAM – ZUN ZUN PERFORMANCES

Date	School	Performances	Number of Students	City
2-23-16	San Carlos School	2	350	Monterey
4-27-16	International School	2	280	Seaside
5-24-16	Ord Terrace School	2	490	Seaside
5-25-16	Highland School	2	400	Seaside
6-1-16	Walter Colton Middle School	1	225	Monterey
6-2-16	Del Rey Woods School	2	500	Monterey
6-2-16	Foothill School	2	330	Monterey
9-3-16	Monterey County Fair	2	2,500	Monterey

California American Water offered conservation presentations for students attending the Monterey County Fair during Labor Day Weekend. The attendees consisted of elementary and up to the 5<sup>th</sup> grade students and totaled approximately 2,500 students for both events. There were four 30-minute presentations for each event where CAW conservation staff first presented a short video on the water cycle and then discussed how the students can save water at home and how to report leaks to their parents. Each student was given educational materials on conservation and water saving devices to take home to their parents.



Water Awareness Committee attends Kid’s Day at the Monterey County Fair to instruct children on how to conserve water (left). Zun Zun performed on the Main Stage (right).



## CONSERVATION EVENTS

California American Water held many conservation events throughout 2016 participating in many with the Monterey Peninsula Water Management District. Events included the Good Old Days in Pacific Grove, a rain barrel give away at Del Rey Woods School, earth days, a zombie run in Pebble Beach with a safety theme, and landscape irrigation classes with the MPWMD.

### 2016 Monterey County Fair

California American Water sponsored and participated in the annual Monterey County Fair for four days by holding a conservation booth and providing water saving devices, handouts and tips on how to conserve water. The company also participated in the Water Awareness Committee's (WAC) Water Awareness Day which is later described in the WAC section.

Pictured: CAW Director of Operations Eric Sabolsice interacting with a customer at the conservation booth and operating the conservation spinning wheel game where participants select a conservation question and if answered correctly, win a prize. This game was a huge success and an educational tool especially for the young crowd who visited the booth.



### Toilet Leak Demo Display

A big hit at the Monterey County Fair was the company's Toilet Leak Demo Display built by Distribution Foreman Joseph Riso, which teaches customers how to check for toilet leaks, which are the major cause of high usage water bills and how to read and detect leaks at the meter. The display was built with a clear toilet tank that flushes into a storage container where the water goes through a meter and is then recirculated with a pump back into the tank. It is also on wheels for easy transport. During the Monterey County Fair, many customers stopped by our booth and were thankful to learn how to check for leaks and especially how to read their water meters.



### Monterey County Fair Landscape Contest

California American Water Conservation Staff was again awarded Best of Show for their *Gardens of Monterey County in 2016: Featuring Rain Water to Landscape*. In 2015, CAW staff had also won Best of Show for featuring native plants.



The entry also was again awarded First Place in the Water-Wise Landscape Design contest hosted by the Water Awareness Committee of Monterey County. This competition was developed to promote water conservation awareness in Monterey County. The campaign “encouraged the replacement of thirsty lawns with attractive, low maintenance, drought tolerant landscaping that reduces water use and protects water quality from harmful fertilizer and pesticide runoff.”

Garden displays were judged on the use of native and drought tolerant plants, water-wise irrigation technology, use of soil conditioners, ease of garden maintenance, and overall design. Our entry featured native and drought tolerant plants and incorporated the use of mulch with a rain barrel and drip irrigation to maintain a healthy and attractive garden with minimal water usage.



Award for Best of Show Featuring Rain Water to Landscape of Drought Tolerant Plants



Water Wise Landscaping Award from the Water Awareness Committee of Monterey County

**Free Water Wise Workshops**

California American Water in partnership with the Monterey Peninsula Water Management District held Free Water Wise Workshops during the summer of 2016. The classes were held in CAW's training room and at Carmel Middle School. A postcard describing the 5 landscape classes was mailed to customers who were billed in tiers 3 through 5 of California American Water's residential tiered rate structure who normally irrigate during the summer months. Events are also described in MPWMD's section of this report.

**DROUGHT-PROOF YOUR LANDSCAPE**  
**5 opportunities to REDUCE YOUR OUTDOOR WATER USE and SAVE MONEY**

---

Join the Monterey Peninsula Water Management District and California American Water for

**FREE WATER WISE WORKSHOPS**  
 Get Money and Water-Saving Information



- 1 **Rainwater Harvesting 101** | May 14, 2016 | 2 sessions | 10 a.m. or 1 p.m. | CAW Office
- 2 **Greywater: From Laundry to Landscape** | May 21, 2016 | 2 sessions | 10 a.m. or 1 p.m. | CAW Office
- 3 **Get to know your Irrigation Controller** | June 4, 2016 | 9 a.m. to 10 a.m. | CAW Office
- 4 **Quick and Easy Irrigation Changes to Save Water** | June 4, 2016 | 10 a.m. to 12 p.m. | CAW Office
- 5 **How to Convert Thirsty lawn to a Drought Tolerant Garden** | June 25, 2016 | 1 p.m. to 4 p.m. | Carmel Middle School

LOCATION INFORMATION:  
**California American Water Office:** 511 Forest Lodge Road, Suite 100 in Pacific Grove (behind Rite Aid at the Country Shopping Center)  
**Carmel Middle School:** 4380 Carmel Valley Road in Carmel

**Sign up for classes:**

- Register online at [www.montereywaterinfo.org](http://www.montereywaterinfo.org)
- Call (831) 658-5601

Registration is required to attend the classes to ensure you get a seat.  
 This event is free and open to the public.



## Free Water Wise Landscape Workshop Classes



Rain Bird representative Cadia Velasquez teaches quick and easy irrigation changes to conserve water



Ewing Irrigation expert Greg Grey shows customers how to get to know their irrigation controllers



Customers learning how to sheet mulch at Carmel Middle School



MPWMD's Conservation Analyst Stephanie Kister and CAW's Conservation Supervisor Joe DiMaggio assist in sheet mulching.



**Rain Barrel Event Giveaway**



California American Water in November of 2016 held a rain barrel distribution event at the Monterey Peninsula Unified School District's Del Rey Woods School, in Del Rey Oaks. The event was promoted through the delivery of 5,000 flyers to select customers in CAW's service area that could best benefit from the water saving devices, and in addition advertised in CAW's and MPWMD's Facebook pages.

The program was implemented on a first come first served basis where customers were given vouchers for future delivery of the rain barrel. Customers were required to complete an application and confirming the rain barrel would be utilized at their home service address. In addition, customers were given informational handouts on gardening and water conservation tips for the landscape.

In December of 2016, all rain barrels were personally delivered to each residential customer.



## WATER AWARENESS COMMITTEE ACTIVITIES

California American Water coordinated with the Water Awareness Committee (WAC) to offer school education opportunities and outreach. Activities included class presentations as well as interactive school assemblies. Both California American Water and the MPWMD are founding members of WAC.



In addition to school education programs, WAC Sponsored a Water Awareness Day Celebration at the Monterey County Fair in September. The event was held on Saturday, September 4, 2016. This family friendly event featured booths including California American Water, the MPWMD, and the Marina Coast Water District.

California American Water in partnership with the Monterey Peninsula Water Management District also joined WAC by participating in the City of Monterey's cutting day held in March and the annual Master Gardener Event held each April in Carmel.

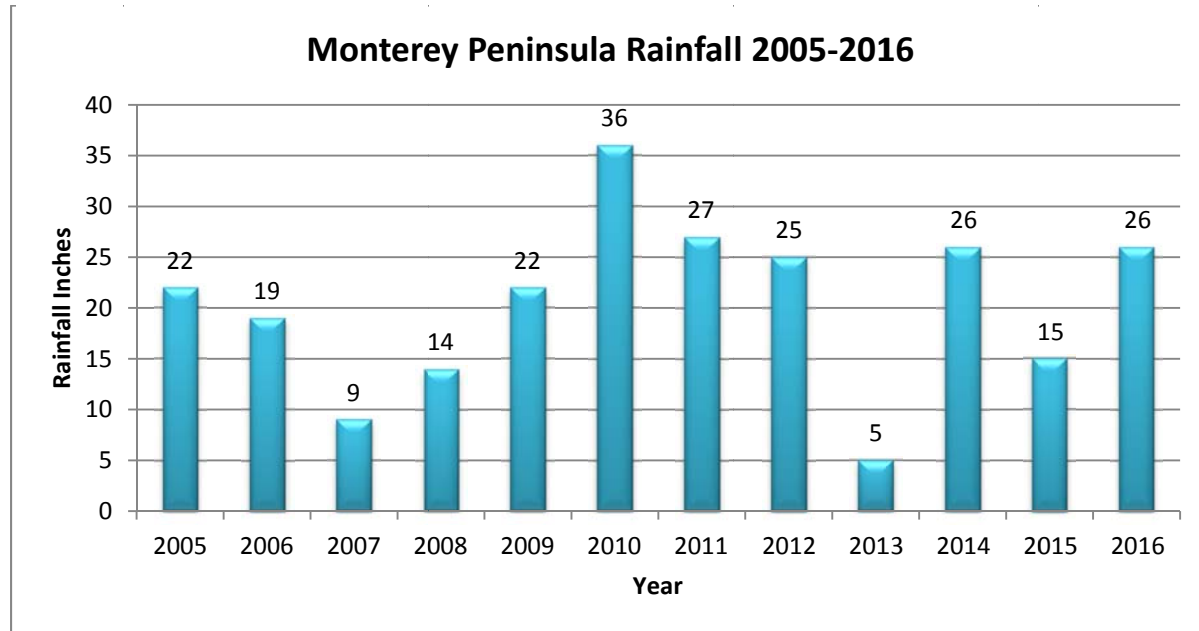


WAC Members participating in the annual Master Gardens Event in April of 2016. Customers who visited the booth were given water conservation devices and tips on how to save water outdoors and encouraged to take advantage of the rebate programs.

**WEATHER ADJUSTED CONSUMPTION IN THE COASTAL DIVISION**

California American Water staff produced an analysis of weather-adjusted consumption in the Coastal Division by calculating the acre-feet consumed per rainfall inch. (This information is provided separately due to privacy policies.) As expected, overall consumption is highest during the summer months and lower during the winter months. Consumption also rises as rainfall decreases: from 2005 through 2016, consumption was highest when rainfall was lowest (2013) and conversely, consumption was lowest when rainfall was highest (2010).

*TABLE 7. MONTEREY PENINSULA RAINFALL – 2005 – 2016 LOS PADRES DAM*



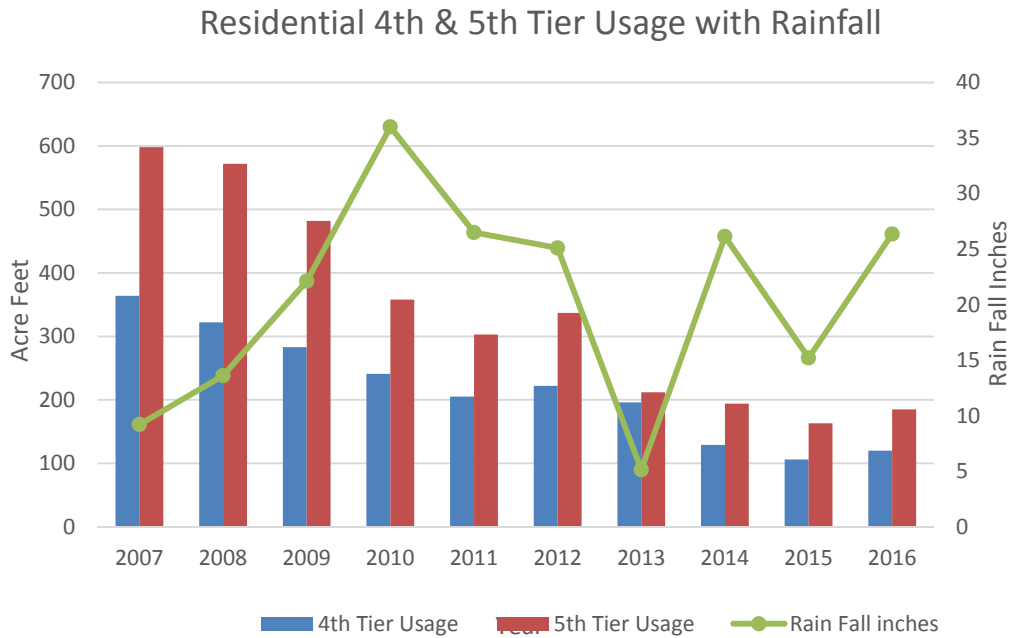
## RESIDENTIAL FIVE-TIERED RATE DESIGN

California American Water's five-tiered residential allotment rate structure has also been instrumental in reducing overall outdoor water usage in addition to the aggressive conservation programs administered by CAW and the MPWMD. Each residential customer is allotted 1,122 gallons per tier each month for indoor usage. Current tiered rates are: \$0.6142, \$1.3229, \$3.4104, \$6.9296, and \$8.9870. Normally, the base allotment is enough to cover indoor usage and limited outdoor usage, which is billed at the first, second, and third tiers. Most outdoor usage for large residential water users is billed at the 4<sup>th</sup> and 5<sup>th</sup> tier.

There has been a significant reduction in fifth tier usage, dropping from 598 acre feet in 2007 to 185 acre feet in 2016, a percentage reduction of 71%. To monitor the effectiveness of programs offered by CAW and the MPWMD, since 2009, California American Water tracks actual usage of customers who receive residential and commercial audits, rebates, rain sensors, or participate in other conservation programs. Customer usage records indicate a significant savings as explained in this report.

Rainfall during the winter and summer months also affects outdoor usage. Comparing rainfall records from 2007 to 2016; 4<sup>th</sup> and 5<sup>th</sup> tier usage normally decreased during years of high rainfall and increased during years of low rainfall.

**TABLE 8. RESIDENTIAL 4TH AND 5TH TIER USAGE & 2016 RAINFALL - YEARS 2007 - 2016**



**Residential 4th & 5th Usage Acre Feet with Rainfall**

Year	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
4th Tier Usage	364	322	283	241	205	222	196	129	106	120
5th Tier Usage	598	572	482	358	303	337	212	194	163	185
Rain Fall inches	9.2	13.6	22.1	36	26.5	25.1	5.13	26.13	15.2	26.35



## WATER WASTE PREVENTION

Emergency drought restrictions from the State Water Resources Control Board (“SWRCB”) continued in 2016 including a mandated 8% reduction in water use for California American Water customers in the Monterey Service area. California American Water in partnership with the Monterey Peninsula Water Management District continued to monitor water waste for its main system and satellite systems.

**CAV-03**

**VIOLATION OF DROUGHT RULES**

Dear Customer:  
 The State of California has banned wasteful uses of water. California American Water has instituted mandatory conservation rules. Repeated violations of these rules may result in penalties or discontinuance of water service.

Please contact our local conservation staff at (831) 646-3205 if you have questions or concerns about the violation. California American Water may follow up with you to ensure problems have been corrected.

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

SERVICE ADDRESS: \_\_\_\_\_

WAS CUSTOMER NOTIFIED IN PERSON? Y / N

VIOLATION OF RULE:  1st  2nd  
(Additional violations will result in penalties of \$100 or more)

EMPLOYEE INITIALS: \_\_\_\_\_

**Description of Violation**

- Overspray on hardscape
- Watering within 48 hours of rain
- Washing hardscapes with water
- Washing vehicle without hose nozzle
- Non-recirculating fountain in use
- Violation of watering day schedule
- Violation of time of day restrictions
- Restaurant serving water without request
- Leak observed on customer property  
(Leaks must be fixed within 72 hours of receipt of this notice)

NOTES: \_\_\_\_\_

  
 CALIFORNIA  
 AMERICAN WATER  
 (831) 646-3205 • www.californiaamwater.com  
CAV-03

In addition, California American Water continued water waste reporting and enforcement procedure in response to the SWRCB’s Drought Restriction regulations. This procedure utilizes a Violation of Drought Rules hang tag used by field service workers to notify residents of leaks and violations, with follow-up by conservation staff and the Monterey Peninsula Water Management District to ensure that water waste is addressed within 72 hours of notification whenever possible.

Customers who received the 72-hour notification were identified as having leaks through our meter reading billing edit system, customer initiated high bill investigations or violation of drought rules identified by customers and field staff. A total of 215 door tags were left with customers to inform them of the violation. Customers identified with leaks were then monitored to ensure timely repair.

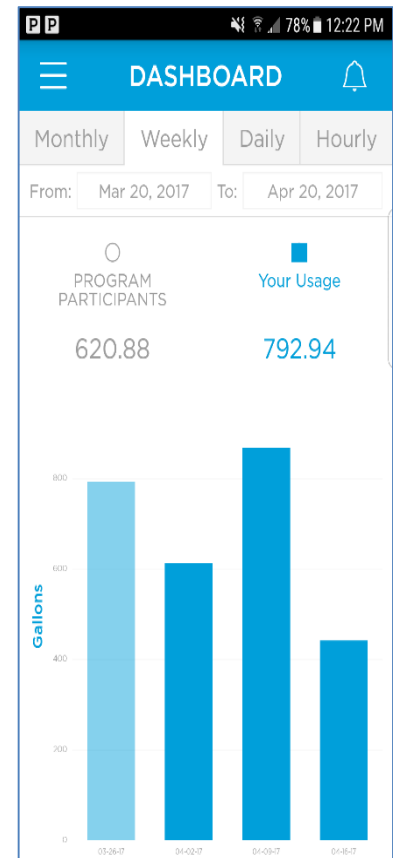
## WEB BASED PILOT MONITORING PROGRAM

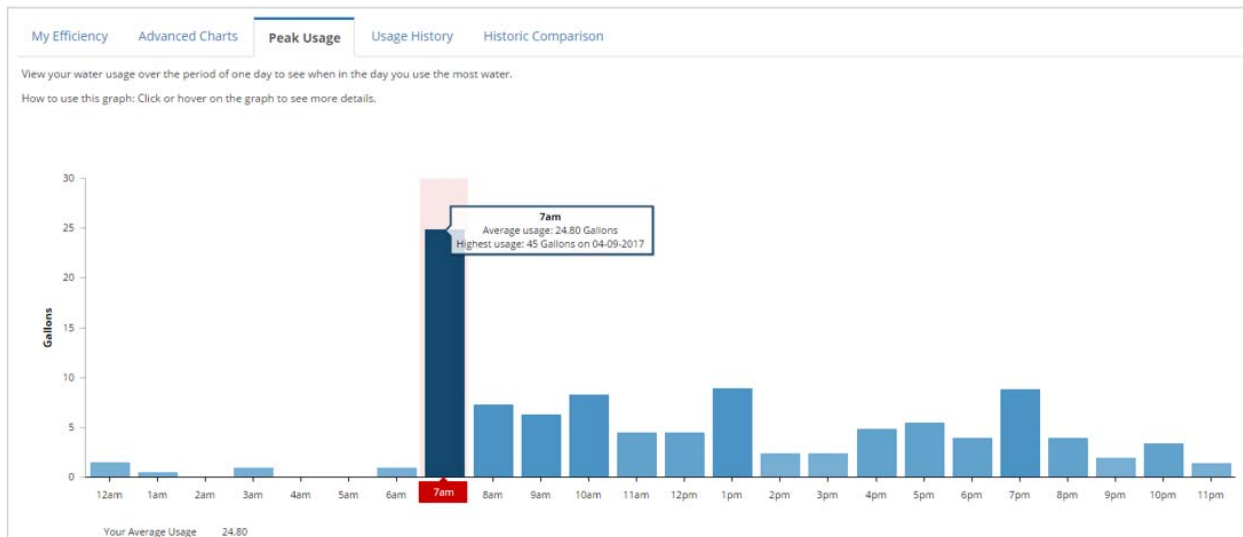
In 2015, California American Water launched a web-based pilot program aimed at conserving water by giving customers the tools they need to monitor their water usage in near real-time basis. Approximately 200 Monterey Peninsula businesses and residential customers who were selected to participate in this pilot program had a device added to the water meter which transmits hourly reads to a customer portal that can be viewed on any computer. In 2016, an app was launched through both the Android and the Apple store, which provides even easier access for customers on the go. With the app, customers can quickly monitor their usage and address any leak alerts they have received.



The customer portal has undergone some changes in 2016, which provide even more ways for customers to manage their consumption. Customers can drill down to see any range of usage, from yearly down to hourly, and can move easily through different time periods to see their past usage history. A new “Peak Usage” chart has also been added, which identifies on average, which hours of the day a customer uses the most water. This is very helpful in reducing consumption by making water usage trends easy to see. They are also able to compare any specific period with another, which makes it clear to see what changes in habit do to water consumption.

In addition to providing easy to read graphs to view usage history, the portal also generates leak alerts if the system detects continuous usage. These alerts are sent directly to the customer so they can immediately begin identifying and stopping any leaks that may be occurring at their premise. Local customer service is also taking a proactive approach to stop any water waste by pulling these reports daily to ensure customers are addressing any issues quickly. California American Water is continuing to identify which reports provide the most value in assisting customers in conserving water, and is streamlining the process for customers to sign up to participate and begin viewing their usage.





This is an example of how customers can monitor their individual water use daily via a website or app which allows them to view their hourly usage and peak times when the water is consumed the most. As a customer hovers over the chart bars, a popup message displays the average and highest usage in gallons. Customers can also click on a bar in the chart to drill down into smaller time increments and increase or decrease the time range. In addition, customers can view a historical comparison of the same period the previous year by selecting the historical comparison tab.



## WATER WASTE APP

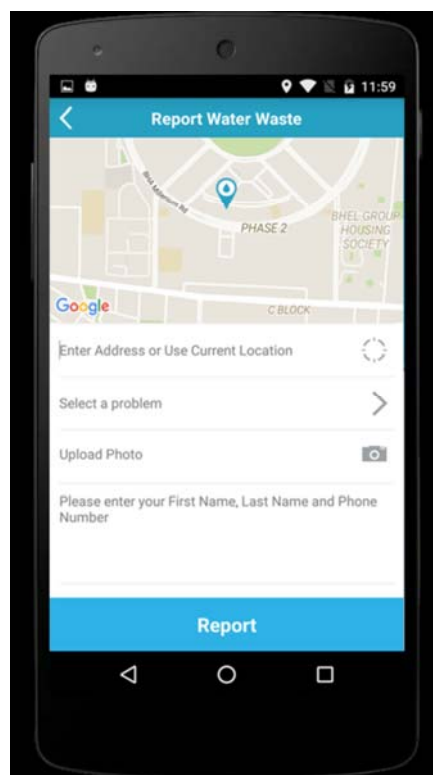
California American Water introduced a new app in 2016 statewide, available for download in the Apple and Android app stores, which allows customers and other concerned residents to report water waste when they see it. Photos are geo-tagged and uploaded directly so that California American Water can investigate the leak or waste.

In 2016, California American Customers utilized the app for reporting leaks and violations of the conservation rules. Customers were contacted and notified of the violation.

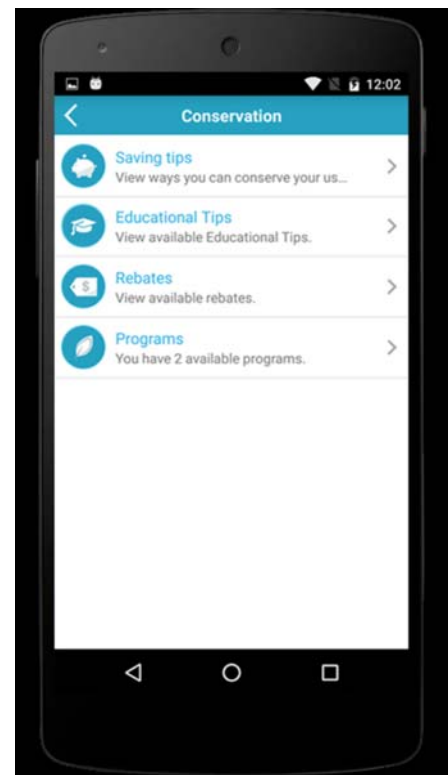
Through the app, California American Water customers can also learn about the conservation programs offered in each of our districts across the state. Raising awareness of our Water Wise House Calls, rebates for water saving home appliances and free water smart devices will help customers control water use.



Home Screen



Report Water Waste Screen



Conservation Tips Screen

## PUBLIC OUTREACH

All public outreach and educational efforts are managed by California American Water's local external affairs and conservation departments in cooperation with MPWMD's conservation department.

California American Water utilizes professional marketing and design services to develop professional and effective educational brochures, direct mailers, print media advertisements, and other marketing items. The company continued its proactive outreach campaign to help keep water consumption within production limits on the Seaside Basin and Carmel River.

This year's efforts were largely centered on drought mitigation and ensuring the district complied with the Governor's statewide cutback order. Numerous mailers were sent to customers reminding them of the drought restrictions and the Rule 14.1 and Rule 14.1.1 stages and rules. Radio ads were also leveraged for this campaign with similar messages. This included mailers about rebates, water schedules and specific watering restrictions.

The campaign was highly successful; in California American Water's Monterey District, consumption in August was down 16.5% in 2016 compared to 2013, while in 2015 it was down 15.7%. These reductions are occurring in an area that already had some of the lowest per-capita water consumption in the state.

## PUBLIC RADIO ANNOUNCEMENTS

California American Water sponsors the Monterey Peninsula's local public radio station and is featured on regular radio spots. This year, the company made a major push for conservation by offering specific water saving tips for residents, which included information on rebates and recommended outdoor watering schedules. Themes included: promotion of general conservation tips and the company's Savings are in Season campaign. KAZU FM has a strong listenership within California American Water's Monterey Peninsula service territory. Informal customer feedback to the announcements has been overwhelmingly positive.

Annual conservation outreach radio underwriting expense: \$26,903

## WEBSITE: MONTEREY WATER FACTS

California American Water and MPWMD continued supporting the shared website for the Monterey area, which was established in 2009. The site serves as a one-stop, user-friendly resource for local water users to access information on rebate programs, home water audits, regulatory restrictions on the area's water supply, and tips for saving water indoors and out.

The website has information for commercial and residential users and provides in-depth information on “water wise” landscaping. The web address is publicized through direct mail and print advertising efforts and periodically listed on California American Water customers’ bills. The site additionally contains links to the Alliance for Water Efficiency, Water Sense, and the American Council for a Water Efficient Economy. In addition, California American Water and the MPWMD continued to support their joint Facebook and Twitter pages. These pages are updated bi-weekly with quick tips about conservation and other important news concerning water in the Monterey Peninsula.

Website cost: \$0

### MONTEREY WATER CONSERVATION FACEBOOK PAGE

California American Water in partnership with MPWMD continued its Monterey Water Conservation Facebook page to keep local contacts informed about conservation efforts. The page provides timely conservation tips and news about upcoming events and local water issues.

Facebook cost: \$0

### DROUGHT EMAIL BLASTS

California American Water produced multiple email campaigns to remind customers of the governor’s water conservation cutback orders during the drought. These email blasts were delivered statewide to all California American Water customers.

Statewide drought email campaigns cost: \$7,746

### MAILERS/BILL INSERTS

Throughout the year, the company included inserts on various subjects, including water quality information, payment arrangements, rates, and its low-income program. In 2016, California American Water customers received individual mailers and bill inserts about mandatory drought restrictions and Rule 14.1 and Rule 14.1.1 compliance, as well as information on how residents can do their part to help meet these goals. In addition to Monterey-specific mailings, which primarily concerned conservation tools and tips for homes and gardens, Monterey Peninsula California American Water customers received two statewide mailers on the state’s drought and the Water Waste App.

Monterey-specific mailer cost: \$ 100,946



**Spring into Savings!**  
Now is a great time to make your yard more drought-friendly. Changes in outdoor water use can equal big savings.

5111 Forest Lodge Road, Suite 100  
Pacific Grove, CA 93950





**Conserving is better together.** Thanks to your hard work in conserving, our Monterey District water system is meeting the statewide water conservation goal. Let's keep up the good work and continue to save! California American Water is here to help you with **springtime landscaping tips.**

**Watering Techniques:**

- Group plants with similar water requirements together so each gets only the water it needs.
- Water tree roots. Water towards the edge of the tree canopy – not at the base.
- Water newer trees with a bucket. New trees need less water, fewer times a week during the first year.

**Yard Care Ideas:**

- Use mulch and compost to help retain water in gardens and around trees.
- Aerate your soil at least once a year to help water penetrate deeper into soil.
- Set your lawn mower to a higher height setting. Longer grass keeps the soil moist.

**Irrigation System Improvements:**

- Use drip irrigation for plants and trees to get water only where it is needed.
- Replace the battery in your irrigation controller when the time changes.
- Install a rain sensor that will shut off your irrigation system when it rains.

REMINDER: If you don't have a rain sensor, turn off your sprinklers during and for 48 hours after it rains.

For more tips and information, visit [MontereyWaterInfo.org](http://MontereyWaterInfo.org)

**Did You Know?**  
An irrigation system that has a leak as small as 1/32nd of an inch in diameter can waste **6,300 gallons** of water per month.

Actual size of 1/32nd inch leak!



**Take Time to Fix Leaks**  
Take time to look for signs of leaks and make repairs immediately.

- **Sprinkler leaks:** Check your landscape for soft spots.
- **Hose leaks:** Check for dripping water at the connection to the spigot. The hose washer may need to be replaced.




Example of “Spring into Savings” water conservation customer mailer sent in 2016

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## SOCIAL MEDIA

California American Water continued its social media support of conservation outreach by complimenting and echoing the same messaging produced in its radio and mailer campaigns. This includes routine updates to both the company's own Facebook page and the one it shares with MPWMD, which focuses on conservation.

California American Water also maintains a Twitter account, which it uses to inform its followers of various news items, including conservation tips and rebate offers.

Social media cost: \$0

## EARNED MEDIA CAMPAIGN

California American Water also worked with local media to promote awareness of the company's free Water Waste App, which allows customers and other concerned residents to report water waste when they see it. Additionally, the company collaborated with local media to promote national programs such as the Environmental Protection Agency's Fix a Leak Week, National Drinking Water Week and National Water Awareness Month. Press releases were distributed to local media including the *Monterey County Herald*, *Carmel Pine Cone*, *Monterey County Weekly*, KAZU FM, KSBW TV, KION TV, KCBA TV, KSMS TV.

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## CALIFORNIA AMERICAN WATER, COASTAL DIVISION - 2017 PROGRAM GOALS

The 2017 California American Water programs funded by the Conservation Surcharge are summarized in the following table and described in detail in the narrative that follows.

*TABLE 7. CALIFORNIA AMERICAN WATER COASTAL DIVISION: SUMMARY OF 2017 PROGRAM GOALS*

Program	Budget	Implementation Plan	Timeline
Residential Audits	Budget	Complete 200 SF and 10 MF audits	Offer audits throughout 2017
Residential Plumbing Retrofit	\$8,200	Continue providing devices to residential and non-residential customers, walk-in, and events.	Residential Water Wise House Calls and efforts throughout the year at events, walk-ins, etc.
Rain Sensor Installation Program	\$8,000	Install 25 Residential Rain sensors and/or Soil Moisture Sensors	Jan through Dec 2017
Large Landscape Upgrade Grant Program	\$25,000 2015 - 2017	Provide grants for expenses for equipment, materials, and/or installation to upgrade to conservation friendly landscapes	Jan through Dec 2017
Public Outreach and Marketing Campaign	\$123,333	Continue to support public awareness and participation in the organizations' joint-conservation programs	Ongoing throughout 2017
Outreach and Education Seminars & Programs	\$10,000	Continue to partner with Water Awareness Committee, continue to offer Landscape Irrigation Workshops, create conservation booklet, offer in-class presentations	Ongoing throughout 2017
Zun Zun Performances and WAC Activities	\$5,000	Market to schools in Summer of 2017 with events in the fall.	Performances in 2017 WAC ongoing.



CII Rate BMP Survey Inspections	\$1,000	Inspect 150 non-residential properties for compliance with Rate Best Management Practices to determine rate category and collaborate with the MPWMD to complete indoor inspections & CAW complete outdoor inspections	Ongoing 2017
CII Audits	\$20,000	Offer CII Audits to 10 customers – greatest potential need & to comply with the new BMP Compliance Rate Structure	Ongoing 2017

## RESIDENTIAL WATER WISE HOUSE CALLS

California American Water will continue to provide Residential Water Wise House Calls to its customers in 2017. With the continued drought and Governor Brown's Executive Order B-29-15, it is expected that the number of customer requests for this service will increase, especially during the summer months when usage is highest as customers irrigate their landscapes. Efforts to promote customer participation will include offering Water Wise House Calls for customers with high water bills and promoting the program at events and through California American Water ads. California American Water's conservation staff set a target goal of 200 single family audits and 10 multi-residential audits to be completed in 2015 and surpassed its goal and completed 380 house calls in 2016. The expectation is to complete 200 Residential Water Wise House Calls in 2017.

## RESIDENTIAL PLUMBING RETROFIT

California American Water will continue to provide low flow conservation devices and conservation kits to residential customers in the Monterey service area, and will require customers to sign up to receive devices at events, front desk, etc. so that the company can log the information and identify how devices are distributed. The focus will be on the hospitality industry such as hotels and motels to convert hundreds of bathroom aerators from 1.5 GPM aerators to 0.5 GPM aerators. California American Water will also look for upgraded low flow devices and new technologies that provide greater water savings. Current devices include 1.5 GPM showerheads, 1.5 GPM kitchen faucet aerators, and 0.5 GPM bathroom aerators. In addition, California American Water will promote 1.5 GPM showerheads for customers who have retrofitted in past years with the 2.5 GPM. The company will continue to track the devices specifically given to single and multi-family residents.

## LARGE LANDSCAPE UPGRADE GRANT PROGRAM

California American Water will continue its successful Large Landscape Grant Program developed and implemented in the fall of 2010 for large landscape customers including cities,

schools and parks. In 2016, a total of \$25,000 was awarded to the Salvation Army to upgrade its sprinklers systems for its school and adjacent properties.

The funding is to help upgrade current landscape and irrigation systems to increase water efficiency, and to help cover the expenses for equipment, materials, and/or installation. Sites are specifically chosen for high visibility and visitor traffic to maximize educational value and promote similar retrofits at customer sites.

In 2017, California American Water's objective is to fund one landscape grant project at a cost of \$20,000 to a school district in the company's service area. The proposed sites will be selected based on projected potential water savings, cost to retrofit, educational value of site, project participation and engagement from the program partner and other criteria.

Each year, the sites will be reviewed identifying their actual usage compared to their expected usage and the actual water savings will be calculated. This information will be reported to the CPUC annually to monitor the success of the program.

## Rain Sensor Installation Program

California American Water will continue the rain sensor installation program that began in November of 2011, which provides free direct installation of rain sensors to residential, commercial and public authority customers and will also begin the installation of soil moisture sensors through its contractor, EcoTech. The focus will continue to be on customers who have the greatest potential to reduce their water usage especially during the winter season.

Focus will continue to be on customers who are billed in the 4<sup>th</sup> and 5<sup>th</sup> tier of California American Water's five tier residential rate structure during the three consecutive winter months of December, January and February.

The estimated cost is \$150 per customer, which includes \$40/hour labor for 2.5 hours plus the cost of each rain sensor estimated at \$50.

## CII AUDITS

California American Water will continue in 2017 to provide commercial, institutional and industrial audits, and plans to complete up to 10 CII audits in 2017 utilizing experienced contracted consultants.

The focus will continue to be on auditing customers who have the greatest need and potential to achieve significant water savings. California American Water will continue to meet with each customer who receives a CII audit and offer rebates and any programs that may assist in reducing overall water usage.



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## RATE BEST MANAGEMENT PRACTICE SURVEY INSPECTIONS

California American Water in 2013 changed its non-residential rate structure that now places customers in one of four rate divisions based on compliancy with indoor and outdoor BMP's. Non-residential customers were required to complete a survey to determine their appropriate rate category.

To ensure that customers are complying with the BMPs that placed them in one of the four rate divisions, California American Water, in partnership with the Monterey Peninsula Water Management District, is inspecting non-residential properties.

Customers who are confirmed to be out of compliance with the indoor and/or outdoor requirements will have 30 days to make necessary corrections to avoid a potential change in rate classification. These customers are contacted by CAW conservation staff 30 days after the inspection to verify compliancy. If the customer is not compliant, the classification is changed to Rate Division 4, which is the non-compliant rate, until necessary corrections have been made. Customers are required to provide proof of corrections by providing a receipt to CAW and/or verification for indoor compliancy by the MPWMD.

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## MONTEREY PENINSULA WATER MANAGEMENT DISTRICT – 2016/17 PROGRAMS FUNDED BY THE CONSERVATION SURCHARGE

MPWMD programs funded by the Conservation Surcharge for the period of January 2016 through April 18, 2017 are summarized in the following table and described in detail in the narrative that follows. As of April 18, 2017, MPWMD programs are fully funded through the District's User Fee.

*TABLE 8. MONTEREY PENINSULA WATER MANAGEMENT DISTRICT: SUMMARY OF 2016/17 PROGRAMS*

Program	Program Costs	Need For Program	Nature of Activity	Measurable Goal	Results	Estimate Savings
Water Conservation Representative	Unavailable	One staff position with focus on water waste enforcement and water efficiency.	Water waste enforcement and follow-up, public outreach/ events, property inspections, audits, etc.	Immediate response to water waste and 100% compliance within 1-30 days	4 fines issued for repeat failure to correct water waste within 72 hours. All water waste violations were corrected	Not quantifiable
Water Conservation Technician	Unavailable	Administration of CAW/MPWMD Rebate Program	Receive, process, qualify, record & issue Rebates	Manage rebate check processing within 6 weeks of receipt	Successful, but dependent on other depts.	Not quantifiable
Water Conservation Workshops/ Training	\$17,810	Provide education and hands-on learning. Focus is on reducing outdoor and CII water use.	Focus on Laundry to Landscape Workshops, Graywater and CII efficiency requirements	Attendance by at least ten persons per event	Exceeded expectations	Not quantifiable

Community Gardens	\$17,810	Provide educational opportunity for public to view water efficient landscapes, irrigation and practices	Implement demonstration gardens through public participation and hands-on workshops	Provide at least three demonstration sites in MPWMD	Demonstration gardens were constructed at Garland Ranch, Lagunita Mirada Park, and Carmel Middle School	Not quantifiable
Water Wise Gardening for Monterey County	\$10,000 for two annual licenses	MPWMD has licensed product for web use, rather than reprinting CDs. Licenses for MPWMD and WACMC	Monterey area-specific interactive gardening software designed to assist customers with water efficient plant choices.	Provide notice of software availability at all events, on websites, social media, and through televised Board meetings	6,503 unique hits on software in 2015	Not quantifiable
Water Audits & Budgets	\$0	No longer required as of March 2016. Audits were available to large irrigators as recommended by CAW.	Outdoor irrigation that meets certain specifications is required to obtain a landscape water audit and budget and to adhere to the budget during Stages 2-4.	Water use stays within budgeted amount		
Pressure Regulator Pilot Program	\$0	High system pressures and failed pressure regulators	Identify areas of high pressure for PRV program	Replace 30 PRVs and measure savings	Unable to implement program within timeframe	TBD
Linen/Towel Reuse Program	\$7,000	Supports hotel room notification of linen and towel reuse program.	Distribute towel & linen reuse signs and water upon request notices	Reduction in laundry, and water and energy consumption	Ongoing program	Up to 133 AFA @ 80% occupancy

CIMIS Station Maintenance	\$2,300	CIMIS data is used by weather-based irrigation controllers to schedule irrigation times.	MPWMD sponsors three CIMIS stations in Zone 2/3 and Zone 3. MPWMD maintains the stations.	Reduced outdoor water use during low ETo	Data is available on CIMIS website	Not quantifiable
Conservation Devices	\$61,500	Provide conservation devices to customers to reduce consumption	Provided showerheads, shower-savers, faucet aerators, hose nozzles, and other items	Reduce wasted water	See Conservation Devices Section	24.6 AFA
Conservation Printed Material	\$4,300	The printed material program acquires updates and distributes water conservation materials to the.	Purchased water conservation workbooks for elementary ages to promote water conservation and an understanding of water supply. Other material for education.	Support BMP programs, provide at 3+ events, and reduce water usage.	MPWMD distributed conservation materials, including conservation program handouts at community events and meetings	Not quantifiable
Water Waste Prohibitions	N/A	Eliminate water running to waste and other forms of water waste.	Notification to waster and follow up to ensure corrections as needed.	Achieve compliance within reasonable time period	62 instances of Water Waste were compliant within reasonable time	Not quantifiable
Website Upgrades	\$3,100	Update conservation website	Moved to new platform & updated	Launch May 2017		Not quantifiable

## WATER CONSERVATION REPRESENTATIVE AND TECHNICIAN

The Conservation Representative position was included in MPWMD's budget request with the full support of California American Water and is an ongoing position. Funding for the position was included in the MPWMD portion of the conservation surcharge in the 2005 General Rate Case (D.06-11-050), the 2007 General Rate Case (D.09-05-029), the 2010 General Rate Case (D.10-07-007), the 2013 General Rate Case (A.10-07-007) and the 2015 General Rate Case (A.13-07-002). The position is primarily responsible for water waste enforcement and water conservation education and training, including responding to reports of water waste and completing site investigations and organizing and overseeing public educational opportunities. The position also conducts conservation inspections and community outreach, provides information and educates the public on the need for water conservation and water demand management, assists other agencies and the general public in understanding MPWMD requirements and rules, performs inspections on properties to ensure compliance with water efficiency standards, rules and regulations, organizes and oversees water efficiency training and seminars, and assists in research, analysis, and reporting on water demand management and conservation programs.

One-half of the Conservation Technician position was included in the 2015 General Rate Case. This person processes rebates for MPWMD and CAW. MPWMD has been processing rebates since the beginning of the program to ensure that only voluntary installation of devices and appliances receive rebates. Mandatory retrofits do not qualify. The Conservation Technician reviews each application against MPWMD's extensive database of property information to qualify an application. The application is processed and added to the database before a rebate check is processed. Certain applications require pre-qualification (lawn removal) or measurements (cisterns), or must include certification from a building inspector (greywater systems). Due to the extreme popularity of the local rebate program, more than half of the position's time is spent on the rebate program.

## WATER CONSERVATION WORKSHOPS/TRAINING AND COMMUNITY GARDENS

MPWMD has focused its training agenda on helping provide the tools necessary for gardeners, landscapers, builders, homeowners, plumbers and others to maximize water efficiencies. During 2016, five educational workshops were held. Interest and attendance was less than what was seen in 2015. Topics were focused on graywater re-use, irrigation efficiency, rainwater harvesting, and lawn conversion. A demonstration rainwater harvesting system was installed at Garland Park which receives thousands of visitors each year. A lawn conversion project was started at the Carmel Middle School. Staff trained 15 people to quickly update their irrigation system to be more water efficient. Greywater installation kits containing a three-way diverter valve, PVC connections, irrigation tubing, and other components were provided to class participants that committed to installing a system in their home.

- June 25, 2016, How to Convert Thirsty lawn to a Drought Tolerant Garden, 45 attendees. Class ran from 1 pm to 4 pm at the Carmel Middle School, 4380 Carmel Valley Road, Carmel. Topics covered included:
  - Convert turf irrigation spray heads to drip
  - Environmentally friendly way to remove turf through sheet mulching
  - Tour drought tolerant plant options appropriate for the Central Coast
  - Design ideas
  
- May 21, 2016, Greywater Re-Use, 13 attendees. Topics Included:
  - The Definition of a Greywater System
  - The Various Components of a Greywater System
  - The Advantages of a Greywater System
  - Local Building Codes related to Greywater Systems
  
- May 14, 2016, Rainwater Harvesting 101, 17 attendees. This American Rainwater Catchment System Association (ARCSA) directed class explored the basics of Rainwater Harvesting. Two sessions were held.
  
- June 4, 2016, Quick and Easy Irrigation Changes to Save Water 15 attendees. Topics Included:
  - How to convert spray heads to rotary nozzles
  - How to convert spray to drip
  - Sizing your drip emitters appropriately
  - How to install a rain sensor
  
- June 12th, Rainwater Harvesting System Demo Install at Garland Ranch, 15 attendees

## WATER WISE GARDENING FOR MONTEREY COUNTY

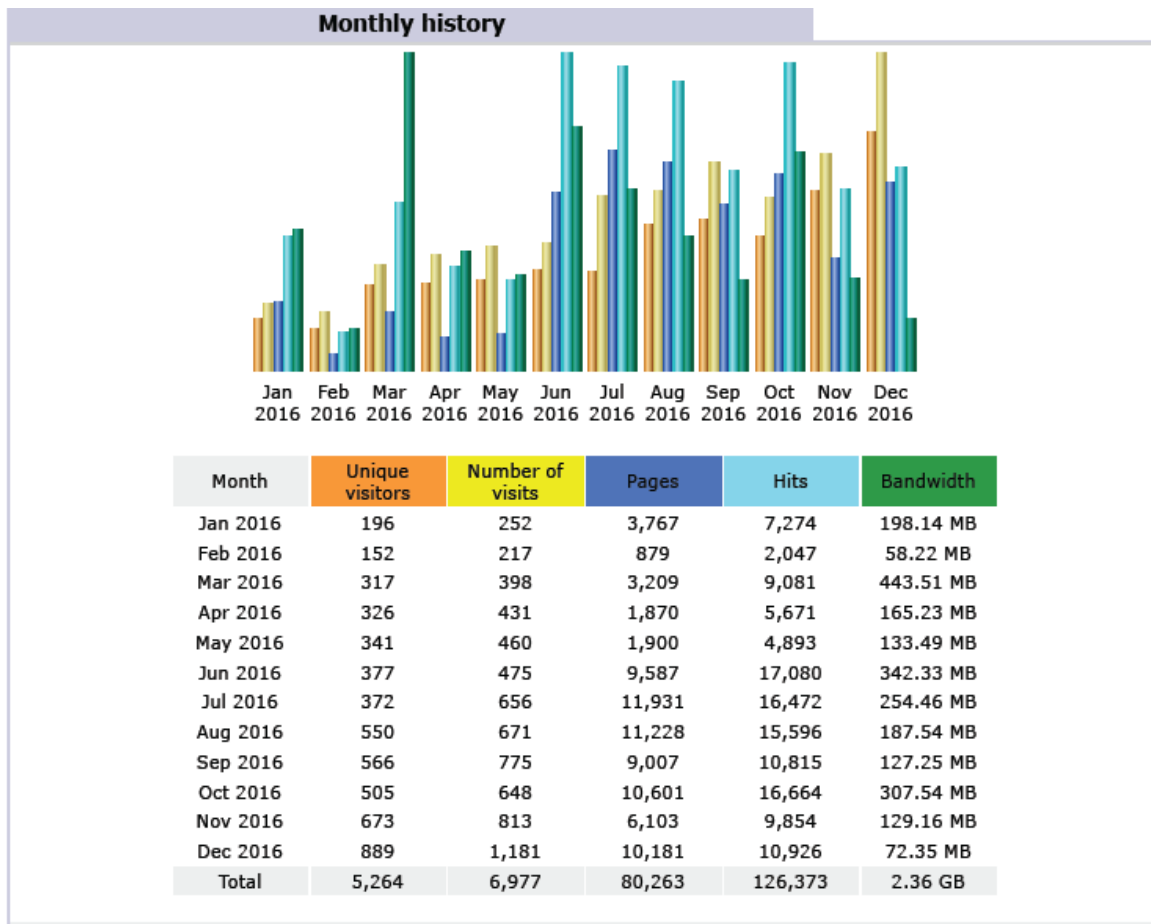


Water Wise Gardening for Monterey County is a highly desirable landscape planning software that was designed specifically for Monterey County. The GardenSoft software was developed with sponsorships from California American Water and MPWMD through the WAC. It provides photos of various types of local gardens examples, including front and back yards, hillsides, raised planters, shrub and perennial borders, walkways, parking strips, patio areas, theme gardens, native gardens, decks, fences, gates, surfaces, benches, trellises, low-maintenance gardens, and Mediterranean style gardens. There are hot-links embedded within the garden images of plants which link to photography, plant or material identification, and related information. Users search

for plants relevant to specific Monterey County areas by botanical name or common name, by look or color, by general variety, and much more. A brief questionnaire leads the user to the appropriate plants to solve their gardening wants or needs. A series of pages are provided listing watering tips on a month-by-month basis and general lawn and planting area instructions for each month of the year.

The software is available as a web application for an annual subscription of \$5,000 for unlimited access and that can be reached via links from the California American Water/MPWMD conservation website ([www.montereywaterinfo.org](http://www.montereywaterinfo.org)) and from the WAC website (<http://www.monterey.watersavingplants.com/monterey.php>). During 2016, the web application had 5,264 unique hits on the websites. A breakdown of site hits by month is shown on Table 9.

TABLE 9. WATER WISE GARDENING FOR MONTEREY COUNTY, WEBSITE HITS BY MONTH, 2016



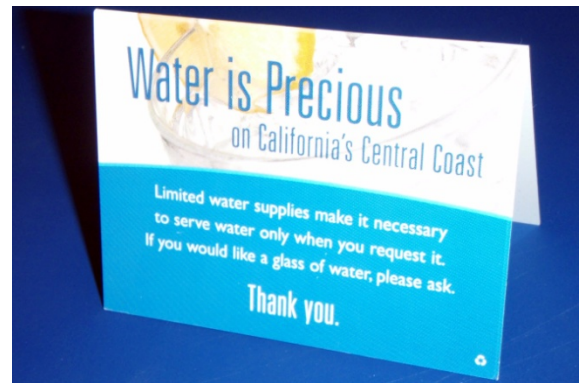


## LINEN/TOWEL REUSE PROGRAM

The linen/towel reuse program provides cards giving guests the option of reusing or obtaining new linens and towels in hotel rooms, for restaurant “drinking water served only on request” tent cards, and for conservation message mirror clings. These programs are mandatory within the MPWMD. In September 2015, MPWMD began systematically verifying that all non-residential uses met the requirements. Non-compliant businesses were given 30 days to make corrections.

During 2016-2017, MPWMD distributed the following:

- Towel Cards – 750 pieces
- Water Service on Request Cards (see photo on right) – 3,200 pieces
- Linen Reuse Pillow Cards – 2,000 pieces
- Conservation Message Mirror Clings – 2,500 pieces



## California Irrigation Management Information System (CIMIS)



During 2016-2017, MPWMD staff continued its coordination with the California Department of Water Resources staff and local golf course operators, including Laguna Seca Golf Ranch and the City of Pacific Grove to maintain locations for CIMIS stations in ETo Zones 2 and 3. The locations provide full coverage ETo data for the Monterey Peninsula. MPWMD staff maintains the stations by cleaning the devices periodically and checking the site conditions.

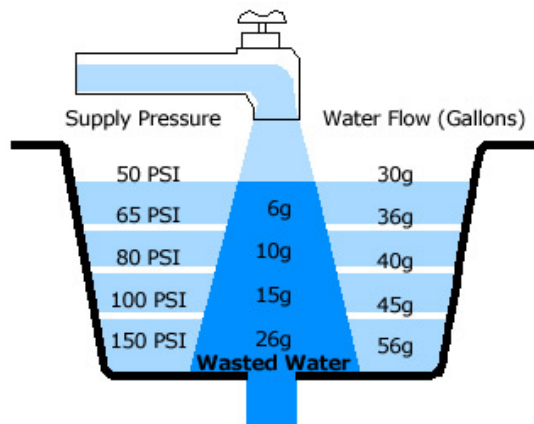
## WATER AUDITS/BUDGETS

No water audits/budgets were conducted by outside auditors during 2016-2017. Staff at both MPWMD and CAW are certified auditors and conduct audits as needed. Audits done during 2016-2017 were conducted by CAW to verify compliance with commercial Rate Best Management Practices.



## PRESSURE REGULATOR PILOT PROGRAM

High water pressure in a home is analogous to high blood pressure. Appliances and water-using devices are designed to optimally work at certain pressures. Pressure above optimal increases the likelihood of leaks and breaks in the water lines and appliances due to excessive force on the plumbing. Water conservation devices such as toilets, showerheads, clothes washers, dishwashers, and faucet aerators use more water than they are designed to use when pressure is high (see graphic). High pressure is often the cause of leaks in these appliances/devices and in water heaters and softeners, ice machines, irrigation systems, etc.



Building codes require water pressure regulating devices or valves (“PRVs”) when the pressure exceeds 80 pounds per square inch (“psi”). A PRV is a bell-shaped device often located on the main line inlet pipe and usually near the house shut off valve outside the home. Recommended water pressure in a home is 50-60 psi; the maximum safe allowable pressure is 80 psi. California Plumbing Code, section 608.2 states;

“Excessive Water Pressure. Where static water pressure in the water supply piping is exceeding 80 psi (552 kPa), an approved-type pressure regulator preceded by an adequate strainer shall be installed and the static pressure reduced to 80 psi (552 k Pa) or less.”

PRVs control both the water pressure and the flow rate of the incoming water supply. A damaged or worn out pressure regulator can result in destructively high water pressure in the building. Private pressure reducing valves have a lifetime of approximately ten years. Most customers know little about the device’s function or that it must be periodically checked to be sure it is operational. In our area, failed PRVs are prevalent. Homeowners and commercial property owners are often not knowledgeable about their PRVs, not realizing that they have these devices and that they fail over time. In other cases, there is no PRV and the incoming water pressure far exceeds optimum pressure.

MPWMD was approved to initiate a pilot Pressure Reducing Valve Program as part of this conservation budget. The goal is to reduce consumption and expand the lifetime of water efficient appliances by ensuring that water pressure is maintained at an optimum level. To achieve this goal, staff has been collecting pressure readings and considering a program to reduce pressure on the customer’s side of the meter. MPWMD has been collaborating with Mike Rachel of Peninsula Home Inspections LLC, who has collected pressure data for more than 200 homes in the California American Water system between 2012 and 2016. His testing

identified a high percentage of homes that had water pressure levels that exceeded 60 psi, and he has also found a high incidence of non-functioning pressure reducing valves.

For example, in 2015, MPWMD staff and Mr. Rachel conducted pressure testing at homes in an area of Monterey (Alta Mesa Circle) and determined that pressure in that residential neighborhood exceeded 145 psi: Approximately half of the homes they tested had failed pressure reducing valves. In one case, the homeowner said her freezer's ice maker broke due to high water pressure. In another, an irrigation system was not functioning properly, with emitters popping off as the result of the high pressure and no pressure reducer on the irrigation system.

MPWMD staff have been testing water pressure as part of the inspection process and has collected more than 200 readings to date. The information is being mapped to identify areas with pressure between 80-100 psi (as one data point) and above 100 psi (as another data point). Staff proposes to target high pressure areas for a pilot program whereby the District would provide PRVs for installation by licensed plumbers. The participant's water use will be tracked to determine savings and the success of the program.

MPWMD will be pursuing water pressure reduction during the next several years. In addition to mapping areas of the California American Water distribution that have high pressure by measuring pressure at the building, MPWMD will initiate an educational campaign and add a rebate for pressure reducing valves. In addition, MPWMD will consider a program to provide free PRVs in areas that experience abnormally high water pressure such as neighborhoods in valleys or with water pressure above 125 psi.

## CONSERVATION DEVICES and PRINT MATERIALS

MPWMD provided customers with various free water savings devices including 1.5 GPM showerheads and 0.5 GPM faucet aerators for the bathroom, 1.5 GPM aerators for the kitchen, leak detection tablets/kits and outdoor water saving tools. During 2016-2017, MPWMD tracked the distribution of the various water savings devices to identify the total number of devices distributed and where or how they were distributed to customers. For all conservation related events, customers who received water conserving devices were verified as California American Water customers.

The various devices are distributed at many events, including but not limited to:

- Community events, including presentations
- MPWMD Front Desk (walk-in customers) and upon customer request
- On-site inspections

- During water waste enforcement visits

In addition to the standard devices listed under the CUWCC's BMP 2 requirements, MPWMD also offered a variety of devices to help improve water use efficiency. Items included in this list were funded by both the conservation budget and by MPWMD.

Table 10 provides information for each type of water saving device (and estimated water savings when available) distributed by MPWMD during 2016-2017.

*TABLE 10. MPWMD CONSERVATION DEVICE DISTRIBUTION*

	Savings (AF) per Device	Number	Total
Showerheads	0.00616	2400	14.78
Hand Held Showerheads	0.00616	632	3.89
Pistol Grip nozzles		1787	
Moisture Meters		1304	
Faucet aerators 0.5	0.0017	0	0.00
Faucet aerators 1.5	0.0017	925	1.57
PRSV	0.3921	10	3.92
Kitchen Squeegees		900	
Shower Timer		202	
Leak Detector Tablets	0.0007	550	0.39
Water Wise CD		0	0.00
<b>Total Annual Savings in AF:</b>			<b>24.56</b>

## LAWN REBATE PROGRAM

Although lawn removal rebates are not funded by the MPWMD portion of the conservation budget, there has been interest by the CPUC and others about the extent of lawn that has been removed. The process has been very effective since the program redesign in 2012. MPWMD requires prequalification for a rebate before removal of the grass, and a deed restriction is recorded on the property title to ensure that the lawn is not replaced for at least 15 years.

2013 – Nineteen properties removed some or all their lawn in 2013. A total of 31,008 square-feet of lawn was removed.

2014 – 43 properties removed 58,781 square feet of lawn in 2014. The average removal was 1,277 square feet per site. Lawn removal ranged from 380 to 4,200 square-feet.

2015 – 38 properties removed 56,805 square feet of lawn. The lawn rebate program paid out \$52,247 in 2015. The average size residential lawn removal project was 1,450 square feet.

2016 – 15 Properties removed 26,812 square feet of lawn. The lawn rebate program paid out \$21,828 in 2016. The average size residential lawn removal project was 1,787 square feet.

## MONTEREY PENINSULA WATER MANAGEMENT DISTRICT – 2016 PROGRAMS FUNDED BY MPWMD

The following projects and activities were funded during 2016 by MPWMD.

### MANDATORY WATER EFFICIENCY REQUIREMENTS

A primary MPWMD responsibility is enforcement of its conservation and efficiency requirements for new construction, remodels/additions, change of ownership/use, expansion of use, visitor serving facilities, existing non-residential uses and water waste. MPWMD sends two to three inspectors into the field daily to conduct site inspections. Non-compliance is followed up with enforcement procedures until compliance is achieved.

MPWMD conducted 2,663 inspections of properties in 2016, 1,102 of which were inspected for change of title compliance (some properties required more than one inspection) and 614 verified compliance through other methods. During 2016 1,462 properties transferred ownership in the MPWMD.

Water Permit inspections were also conducted to verify that required retrofits were completed, although most Water Permits issued at this time do not result in significant water savings and are usually the result of offsets (credits) whereby the applicant has installed highly water efficient fixtures to offset new water fixtures. MPWMD staff conducted 792 inspections to verify either compliance with Water Permit conditions or to pre-inspect a property to document existing conditions prior to issuing a Water Permit.

Water savings associated with the MPWMD's retrofit requirements that were verified by inspection in 2016 were estimated to add 11.3 AFA to annual conservation savings.

Water Permits have numerous water efficiency requirements attached as conditions of approval. MPWMD enforces these restrictions through recordation of deed restrictions that specify the requirements. Of the 1,104 Water Permits issued in 2016, all properties had a requirement for a deed restriction prior to issuance of the final permit. A portion of those properties had deed restrictions from a previous Water Permit that had to be updated. MPWMD's deed restrictions on the property title alert new owners to the MPWMD's regulations, making it easier to remove contingencies. Although deed restrictions do not guarantee that a property will exist continually in a state of compliance with the Water Permit, a deed restriction increases the probability that current and future property owners will be informed of the permit conditions.

## Non-Residential Water Efficiency Requirements

In 2009, MPWMD adopted strict retrofit requirements for existing non-residential water users. The requirements included mandatory retrofitting of toilets, showerheads and faucet aerators, as well as other required actions. By the end of 2013, all non-residential customers were required to install High Efficiency Toilets (if the toilet was not already 1.6 gallons per flush), High Efficiency Urinals and other aggressive retrofits. MPWMD staff began systematically canvassing neighborhoods during 2015 to verify compliance with these non-residential water efficiency requirements. The effort continued through 2016.

The calendar year of 2016 saw MPWMD staff perform 744 inspections in total, with 456 properties (61%) in passing status, and 288 properties (39%) failing. The most common reason for failure (38%) was the “other” category (lack of conservation signage, missing faucet aerators or no access to water fixtures). The second most common reason was non-ULF (over 1.6 gallon per flush) toilets at 29% of the total failures.

The Non-Residential inspections have been performed for the cities of Sand City, Seaside and Pacific Grove in their entirety. A portion of both Monterey and Carmel by the Sea have received inspections as of this date. MPWMD will continue to perform inspections until all the non-residential properties of Monterey have been checked for the required retrofits.

## 2013 Water Efficiency Requirements

*ALL non-residential water users must install:\**

- High efficiency toilets ( 1.28 gallons per flush (gpf) unless already ultra low flush ( 1.6 gpf)
- High efficiency urinals ( 0.5 gpf)
- Showerheads: 2.0 gallons per minute (gpm)
- Public Washbasins: 0.5 gpm or 0.25 gpm for automatic shutoff
- Private washbasins ( e.g., hotel or motel guest rooms and hospital patient rooms): 1.5 gpm max.
- All other sinks: 2.2 gpm max.
- High efficiency clothes washers (water factor <5.0)
- Water efficient ice machines
- Water efficient pre-rinse spray valves ( 1.6 gpm)
- Placards or decals promoting water conservation in restrooms, kitchens and dining areas
- Drinking water (tap) provided only upon request. Notification is required at each table or on the menu
- Towel and linen reuse programs
- Car washes must recycle 50% of water used

\*As applicable



[www.montereywaterinfo.org](http://www.montereywaterinfo.org)



## CONSERVATION PROGRAM STAFFING

The Water Demand Division of the MPWMD employs a staff of seven (including one and one-half positions funded by the conservation surcharge). MPWMD expended approximately \$650,000 in regular full-time labor costs for the conservation staff in 2016. Additional costs are associated with overhead costs (including staff time from other divisions of the MPWMD, including the General Manager's office and Support Services), transportation/vehicle expenses, office supplies, training, and travel.

MPWMD partially funds the administration costs of the Rebate Program, including an accountant who processes and issues the rebate checks, and an office specialist who opens mail, and who prepares the checks for mailing and delivers them to the postal service. During 2016, MPWMD continued employment of a temporary full-time employee at an additional cost of \$42,000 to assist with data migration from paper to electronic format. The MPWMD's direct involvement in the administration of the program ensures that program savings are tracked and are not double-counted in another MPWMD program or in any program administered by California American Water.

## WATER CONSERVATION WEBSITE

The water conservation partnership website, [www.montereywaterinfo.org](http://www.montereywaterinfo.org) is hosted on MPWMD's server, with full editing capabilities by both California American Water and MPWMD staff. As a quality control measure, there are a limited number of employees authorized to make changes to the website. The website is designed to provide information with a focus on the Monterey Peninsula's water conservation and efficiency programs. During 2016, MPWMD staff regularly provided time to update and maintain the information on the joint website.

For 2017, the Conservation Website will be switched over to WordPress, an easier web application to maintain the information. This will enable faster updates and will give the website a better "feel."

## REBATE PROGRAM

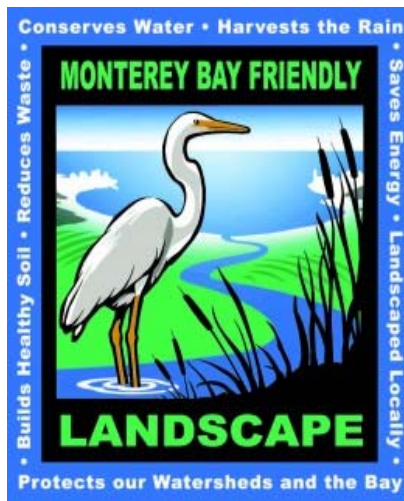
The Monterey Peninsula's Rebate Program continued through 2016. During 2016, 2,076 applications were received, of which 1,602 were approved. This is in keeping with the approval level of rebates from previous years. Between one-quarter to one-third of the applications are denied because of MPWMD permit or conservation requirements for the device(s) or because the device does not meet the standards for a rebate. During 2016, \$537,239 was refunded for purchase and installation of the many items covered by the Rebate Program.



**TABLE 11. 2016 REBATE PROGRAM SUMMARY**

	Rebate Paid	Number of devices	Estimated AFA	Gallons Saved (Approximate)
High Efficiency Toilet (HET)	\$20,539	207	8.64	2.8 Million
Ultra-Low Flush to HET	\$43,766	443	4.43	1.4 Million
Ultra HET	\$28,566	195	1.95	635,000
High Efficiency Dishwasher	\$23,125	185	0.6	181,000
High Efficiency Clothes Washer	\$306,257	611	10.24	3.3 Million
Instant-Access Hot Water System	\$5,290	28	Varies	Varies
On Demand Systems	0	0	0	Varies
Zero Use Urinals	0	0	0	0
Pint Urinals	0	0	0	0
Cisterns	\$74,451	63	Varies	Varies
Smart Controllers	\$135,312	10	Varies	Varies
Rotating Sprinkler Nozzles	\$792	198	Varies	Varies
Moisture Sensors	0	0		
Lawn Removal & Replacement	\$32,245	25	3.07	1.0 Million
Graywater	0	0	Varies	Varies
<b>Total</b>	<b>\$537,240</b>		<b>28.9</b>	<b>9,411,200</b>

**MONTEREY BAY-FRIENDLY LANDSCAPING**



Monterey Bay-Friendly Landscaping & Gardening programs are a collaborative effort between Ecology Action, MPWMD, CA Landscape Contractors Association (Central Coast Chapter), Ecological Landscaping Association, Monterey Bay Master Gardeners, Surfrider Foundation, Resource Conservation Districts, and more than 20 public agencies representing water utilities, solid waste and recycling, storm water management. The primary goal of Monterey Bay-Friendly Programs is to encourage behavior changes that lessen the impact of conventional landscape practices on the local environment by providing home gardeners, landscape professionals, and local governments with the necessary skills and resources to create beautiful, healthy, and sustainable gardens, and landscapes.



MPWMD supports Monterey Bay-Friendly Landscapes by supplying signs and posting information at [www.MontereyWaterInfo.org](http://www.MontereyWaterInfo.org).

## BEST MANAGEMENT PRACTICES (BMPs)

By approving MPWMD Resolution 2012-12, the Board of Directors adopted three highly respected resources for information on water efficiency Best Management Practices or BMPs. BMP's include mandated retrofits of the District, as well as water efficiency retrofits and devices that go beyond the District's requirements. Adoption of these specific informational resources<sup>1</sup> allows the Non-Residential sector to have a consistent source of information that can be used to budget for and implement proven retrofit technology and programs to save water and money.

A Best Management Practice (BMP) is a conservation measure or device that results in proven, cost-effective water savings. BMPs normally result in significant water savings and are generally accepted among water efficiency experts. Examples include High Efficiency Toilets (HET) and High Efficiency Urinals (HEU). Industries such as food service, laundromats, medical and health care systems, and hotels and motels have BMPs specific to their end uses of water. In many cases, BMP implementation requires an initial expenditure with a reasonable return on investment.

The Rebate Program offers significant financial support to achieve BMPs. In addition, MPWMD and California American Water can assist with auditing businesses to identify potential retrofits and to document completed BMPs. Both the District and California American Water have other programs that can provide assistance to achieve BMP compliance for large irrigated areas and for local schools.

## SAVE WATER GO BLUE!



### SAVE WATER GO BLUE!

MPWMD staff also attended numerous community events to promote water efficiency. As part of its drought response, MPWMD provided \$50 rain barrel "vouchers" to participants in its rainwater harvesting classes that could be redeemed at local retailers.

<sup>1</sup> East Bay Municipal Utilities District's WaterSmart Guidebook (<http://www.ebmud.com/sites/default/files/pdfs/WaterSmart-Guidebook.pdf>), Alliance for Water Efficiency's Resource Library (<http://www.allianceforwaterefficiency.org/resource-library/default.aspx>) and CUWCC's Resource Center Product Information (<http://cuwcc.org/docDetail.aspx?id=230>)

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## OTHER CONSERVATION/WATER EFFICIENCY ACTIVITIES

MPWMD continued to participate on the State Water Board's informal workgroup on next steps for water conservation regulations. MPWMD also participated in the Association of California Water Agencies discussions on statewide drought response, and served on the Monterey County Drought Task Force. Presentations were made at WaterSmart Innovations, in Las Vegas.

MPWMD staff presented to conservation-related presentations to the hospitality industry and business coalition representatives, local service organizations, Monterey County Association of Realtors and individual realtor offices, homeowner's associations, local jurisdictions, and other groups. Specific training for hospitality industry managers and operators was help to acquaint them with cost-effective ways to reduce water and energy use in their businesses.

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**ITEM: PUBLIC HEARING****28. CONSIDER ADOPTION OF JULY THROUGH SEPTEMBER 2017 QUARTERLY WATER SUPPLY STRATEGY AND BUDGET**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Kevan Urquhart &amp; Jonathan Lear</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**General Counsel Review: N/A****Committee Recommendation: N/A****CEQA Compliance: Notice of Exemption, CEQA, Article 19, Section 15301 (Class 1)****ESA Compliance: Consistent with the 2001 Conservation Agreement, 2009 Settlement Agreement between the National Marine Fisheries Service and California American Water to minimize take of listed steelhead in the Carmel River, and SWRCB WR Order Nos. 95-10, 98-04, 2002-0002, and 2016-0016.**

**SUMMARY:** The Board will accept public comment and take action on the July through September 2017 Quarterly Water Supply Strategy and Budget for California American Water's (Cal-Am) Main and Laguna Seca Subarea Water Distribution Systems (WDS). The proposed budgets, which are included as **Exhibit 28-A and 28-B**, show monthly production by source of supply that is required to meet projected customer demand in CalAm's Main and Laguna Seca Subarea systems, i.e., Ryan Ranch, Bishop, and Hidden Hills, during the July through September 2017 period. The proposed strategy and budgets are designed to maximize the long-term production potential and protect the environmental quality of the Seaside Groundwater and Carmel River Basins.

**Exhibit 28-A** shows the anticipated production by Cal-Am's Main system for each production source and the actual production values for the Water Year (WY) 2017 to date through the end of May 2017. The anticipated production values assume that Cal-Am's annual main system production for customer service will not exceed 10,561 acre-feet (AF) in WY 2017, including 2,251 AF from Cal-Am's wells in the Coastal Subareas of the Seaside Groundwater Basin, up to 265 AF from Sand City Desalination Plant, up to 1,200 AF recovered from what has been stored so far in WY 2017 by Phase 1 & 2 Aquifer Storage and Recovery (ASR), 305 AF recovered last fall from ASR water injected and stored in the prior WY 2016, and approximately 6,540 AF from the Carmel River Basin. The total from the Carmel River Basin is consistent with State Water Resources Control Board (SWRCB) Order No. 95-10 and 2016-0016. The total from the Seaside Groundwater Basin is consistent with the Seaside Basin Adjudication Decision.

**Exhibit 28-B** shows the anticipated production by Cal-Am's Laguna Seca Subarea system for each production source and the actual production values for WY 2017 to date through the end of May 2017. Please note that the budgeted production values assume that Cal-Am's annual production

for WY 2017 will not exceed 48 AF from the Laguna Seca Subarea of the Seaside Groundwater Basin, whereas actual demand will exceed that amount. This total is consistent with the Seaside Basin adjudication decision.

**RECOMMENDATION:** The Board should receive public input, close the Public Hearing, and discuss the proposed quarterly water supply budget. District staff recommends adoption of the proposed budget. The budgets are described in greater detail in **Exhibit 28-C**, Quarterly Water Supply Strategy Report: July – September 2017.

**BACKGROUND:** The Quarterly Water Supply Strategy and Budget pertains to production within Cal-Am’s Main and Laguna Seca Subarea systems for the three-month period of July, August, and September 2017. Staff from the District, California Department of Fish and Wildlife (CDFW), the National Marine Fisheries Service (NMFS), and Cal-Am met to cooperatively review, refine and approve this strategy on June 08, 2017. Staff from the State Water Resources Control Board’s, Division of Water Rights (SWRCB-DWR) also attended by phone. Staff from the United States Fish and Wildlife Service (USFWS) were unable to attend.

To meet customer demand in its main system, Cal-Am intends to try to avoid producing any groundwater from its wells in the Upper Carmel Valley during July through September 2017, and will focus instead on producing approximately 905, 913, and 815 AF of groundwater from its wells in the Lower Carmel Valley during July, August, and September 2017, respectively.

It was also agreed that, subject to rainfall and runoff conditions in the Carmel River Basin, Cal-Am would produce 190, 190, and 200 AF of native groundwater each month in July, August, and September 2017, respectively, from the Coastal Subareas of the Seaside Basin, in addition to 25 AF per month from the Sand City Desalination Plant, and 300 AF per month of stored water from Phase 1 & 2 ASR, during this period. It was also agreed that Cal-Am would budget to produce 5 AF of groundwater each month from its wells in the Laguna Seca Subarea for its customers in the Ryan Ranch, Bishop, and Hidden Hills systems during this period. Cal-Am will operate its wells in the Lower Carmel Valley in a downstream-to-upstream order. If actual inflows are more or less than projected for the budget period, the group will reconvene and adjust the diversion and release rates accordingly.

Rule 101, Section B of the District Rules and Regulations requires that a Public Hearing be held at the time of determination of the District water supply management strategy. Adoption of the quarterly water supply strategy and budget is categorically exempt from the California Environmental Quality Act (CEQA) requirements as per Article 19, Section 15301 (Class 1). A Notice of Exemption will be filed with the Monterey County Clerk's office, pending Board action on this item.

## **EXHIBITS**

- 28-A** Quarterly Water Supply Strategy and Budget for CAW Main System: July - September 2017
- 28-B** Quarterly Water Supply Strategy and Budget for CAW Laguna Seca Subarea: July - September 2017
- 28-C** Quarterly Water Supply Strategy and Budget Report: July - September 2017

**California American Water Main Distribution System**  
**Quarterly Water Supply Strategy and Budget: July - September 2017**  
**Proposed Production Targets by Source and Projected Use in Acre-Feet**

SOURCE/USE	MONTH			YEAR-TO-DATE		
	Jul-17	Aug-17	Sep-17	Oct-16 - May-17	% of YTD	% of Annual
<b>Source</b>						
Carmel Valley Aquifer						
Upper Subunits	0	0	0	889	N/A	N/A
Lower Subunits (95-10)	905	913	815	5,129	154.8%	83.9%
ASR Diversion	0	0	0			
Table 13 Diversion (Service)	0	0	0			
<b>Total</b>	<b>905</b>	<b>913</b>	<b>815</b>	<b>6,018</b>		
Seaside Groundwater Basin						
Coastal Subareas	190	190	200	1,484	134.9%	72.8%
ASR Recovery	300	300	300	305	0.0%	
Sand City Desalination	25	25	25	165	82.7%	55.1%
<b>Total</b>	<b>1,420</b>	<b>1,428</b>	<b>1,340</b>	<b>1,954</b>		
<b>Use</b>						
Customer Service	1,420	1,428	1,340	7,972	121.1%	
Table 13 in Basin Use	0	0	0			
<b>Total Customer Use</b>	<b>1,420</b>	<b>1,428</b>	<b>1,340</b>	<b>7,972</b>		
ASR Injection	0	0	0			
<b>Total</b>	<b>1,420</b>	<b>1,428</b>	<b>1,340</b>			

## Notes:

- The annual budget period corresponds to the Water Year, which begins on October 1 and ends on September 30 of the following Calendar Year.
- Total monthly production for "Customer Service" in CAW's main system was calculated by multiplying total annual production (10,609 AF) times the average percentage of annual production for July, August, and September (9.7%, 9.8%, and 9.0%, respectively). According to District Rule 160, the annual production total was based on the assumption that production from the Coastal Subareas of the Seaside Groundwater Basin would not exceed 2,251 AF and production from Carmel River sources, without adjustments for water produced from water resources projects, would not exceed 8,310 AF in WY 2017. The average production percentages were based on monthly data for customer service from WY 2014 and 2015.
- The production targets for CAW's wells in the Seaside Coastal Subareas are based on the need for CAW to produce its full Standard Allocation to be in compliance with SWRCB WRO No. 2016-0016.
- It should be noted that monthly totals for Carmel Valley Aquifer sources may be different than those shown in MPWMD Rule 160, Table XV-3. These differences result from monthly target adjustments needed to be consistent with SWRCB WRO 98-04, which describes how Cal-Am Seaside well field is to be used to offset production in Carmel Valley during low-flow periods. Adjustments are also made to the Quarterly Budgets to ensure that compliance is achieved on an annual basis with MPWMD Rule 160 totals.
- ASR recovery values will be evaluated and adjusted according to climate and River conditions.



**California American Water Laguna Seca Subarea Distribution Systems  
Quarterly Water Supply Strategy and Budget: July - September 2017**

**Proposed Production Targets by Source and Projected Use in Acre-Feet**

SOURCE/USE	MONTH			YEAR-TO-DATE		
	Jul-17	Aug-17	Sep-17	Oct-16 - May-17	% YTD	% of Annual Budget
<b>Source</b>						
Seaside Groundwater Basin						
Laguna Seca Subarea	5	5	5	168	601.1%	350.6%
Other	0	0	0	0	0.0%	0.0%
<b>Use</b>						
Customer Service	5	5	5			
<b>Total</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>168</b>		

Notes:

1. The annual budget period corresponds to the Water Year, which begins on October 1 and ends on September 30 of the following Calendar Year.
2. Total monthly production for "Customer Service" in CAW's Laguna Seca Subarea systems was calculated by multiplying total annual production (48 AF) times the average percentage of annual production for July, August, and September (10.7%, 10.1%, and 9.7%, respectively). The annual production total was based on the assumption that production from the Laguna Seca Subarea of the Seaside Groundwater Basin would not exceed 48 AF. The 48 AF annual production limit is specified in the Seaside Basin Adjudication Decision and is subject to change.
3. It should be noted that, based on recent historical use, actual monthly use will likely exceed the proposed monthly production target. In this context, the production targets represent the maximum monthly production that should occur so that CAW remains within its Standard Production Allocation for the Laguna Seca Subarea specified in the Seaside Decision. Accordingly, actual production beyond these production targets will be subject to replenishment assessment by the Seaside Basin Watermaster.
4. "Other" production sources refer to supplies transferred to Laguna Seca Subarea customers from CAW's Carmel River sources or water rights acquired from other producers in the Seaside Basin to produce additional water. For example, under emergency conditions, water can be transferred from sources that serve customers in CAW's main system, via an existing interconnection, to customers in CAW's Ryan Ranch system.
5. The production targets for CAW's wells in the Seaside Coastal Subareas are based on the need for CAW to produce its full Standard Allocation to be in compliance with SWRCB WRO No. 2016-0016.
6. Year to date production numbers are estimated pending finalization of CAW production data.
7. As approved by MPWMD Board, allocations of 3.17 AF and 1.088 AF of metered sales has been transferred to CHOMP within the Ryan Ranch Unit of CalAm (in the Laguna Seca Sub-Area) from Cypress Pacific from DBO





## EXHIBIT 28-C

### **Quarterly Water Supply Strategy and Budget Report California American Water Main Water Distribution System: July - September 2017**

#### 1. Management Objectives

The Monterey Peninsula Water Management District (District) desires to maximize the long-term production potential and protect the environmental quality of the Carmel River and Seaside Groundwater Basins. In addition, the District desires to maximize the amount of water that can be diverted from the Carmel River Basin and injected into the Seaside Groundwater Basin while complying with the instream flow requirements recommended by the National Marine Fisheries Service (NMFS) to protect the Carmel River steelhead population. To accomplish these goals, a water supply strategy and budget for production within California American Water's (Cal-Am) Main and Laguna Seca Subarea water distribution systems is reviewed quarterly to determine the optimal strategy for operations, given the current hydrologic and system conditions, and legal constraints on the sources and amounts of water to be produced.

#### 2. Quarterly Water Supply Strategy: July - September 2017

Currently, flow in the Carmel River is not yet regulated by Los Padres Reservoir (LPR) storage releases, and LPR is still spilling. LPR is currently at ~101% of maximum effective storage capacity, i.e., 1,774.5 AF with the flashboard placed in the notch on the dam spillway crest. Due to the installation of the new Smolt Emigration Facility at LPD, it is unlikely that the LPD notch flashboard will ever be removed in the future, so as to maximize any potential annual storage for allocation to sustaining minimum flows in the river over the summer and fall. Flow in the Carmel River is continuous to the lagoon at 75 CFS. Some of the tributaries from Hitchcock Creek to the river mouth have begun to dewater and their pools are becoming isolated. Rainfall during Water Year (WY) 2017 through May at River Mile (RM) 18.61 (the prior San Clemente Dam site) in the upper watershed has totaled 32.19 inches or 155% of the long-term average to date of 20.81 inches at this site, and 153% of the long-term annual average of 21.10 inches. Further, unimpaired runoff at RM 18.61 for WY 2017 through May has totaled approximately 189,743 AF or about 293% of the long-term average to date for this site of 64,800 AF, and 282% of the long-term annual average of 67,246 AF, making this an "Extremely Wet" Water Year Type, to date. We expect the additional flows this coming quarter will keep WY 2017 within the "Extremely Wet" WYT.

**Carmel River Basin** Given these conditions, and runoff to date appearing to be most similar to Water Year (WY) 2011 accelerated by 14 days, it was agreed that "Wet" year inflows analogous to WY 2011 would be initially assumed to assess Cal-Am's operations during the July through September 2017 period. To meet customer demand, Cal-Am would operate its wells in the Lower Carmel Valley in a downstream-to-upstream sequence, as needed. For the quarterly budget, it was agreed that Cal-Am would attempt to produce no groundwater from its wells in the Upper Carmel Valley during July through September 2017. If sufficient flow in the Carmel River at the District's

**EXHIBIT 28-C****Quarterly Water Supply Strategy and Budget Report  
California American Water  
Main Water Distribution System: July - September 2017**

Don Juan Bridge gage in Garland Park, i.e., any day of 20 or more cubic feet per second (cfs), continues to occur to justify operations allowed under the less restrictive high-flow period, Cal-Am could operate these wells if needed. In addition, it is projected that Cal-Am would produce approximately 905, 913, and 815 AF of groundwater from its wells in the Lower Carmel Valley during July, August and September 2017, respectively, for customer service. The usual **Table 1** is not included in this month's staff note, since the 2017 Low Flow Memorandum of Agreement (MOA) has not yet been negotiated. The regulatory agencies intend to meet to negotiate it on July 6, 2017. This table will then be revised and updated monthly with new flow and storage data, for each succeeding Board meeting through December 2017 as a formal part of the Annual Low Flow MOA process.

**Seaside Groundwater Basin** It was also agreed that, subject to rainfall and runoff conditions in the Carmel River, Cal-Am would continue production at 190, 190, and 200 AF of native groundwater each month in July, August, and September 2017, respectively, from the Coastal Subareas of the Seaside Basin, in addition to 25 AF per month from the Sand City Desalination Plant, and 300 AF per month of stored water from Phase 1 & 2 Aquifer Storage and Recovery (ASR), during this period. This approach achieves maximum utilization of the native water available in the basin under the Seaside Basin Adjudication Decision and in compliance with SWRCB Orders 95-10, 98-04, 2002-0002, and 2016-0016. It was also agreed that only 5 AF per month of groundwater would be budgeted from Cal-Am's wells in the Laguna Seca Subarea of the Seaside Basin for customers in the Ryan Ranch, Bishop, and Hidden Hills systems during July, August and September 2017, respectively. It is recognized that, based on recent historical use, Cal-Am's actual production from the Laguna Seca Subarea during this period will likely exceed the proposed monthly targets, which are based on Cal-Am's allocation specified in the Seaside Basin Adjudication Decision. For example, in the July through September 2016 period, Cal-Am produced 35, 34, and 32 AF per month, respectively, from the Laguna Seca Subarea to meet customer demand in the Ryan Ranch, Bishop, and Hidden Hills systems. In this context, the production targets represent the maximum monthly production that should occur so that Cal-Am remains within its adjudicated allocation for the Laguna Seca Subarea. Under the amended Seaside Basin Adjudication Decision, Cal-Am is allowed to use production savings in the Coastal Subareas to offset over-production in the Laguna Seca Subarea.

Wednesday, June 14, 2017

**ITEM: PUBLIC HEARING****29. CONSIDER ADOPTION OF PROPOSED FY 2017-2018 MPWMD BUDGET AND RESOLUTION 2017-09**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Suresh Prasad</b>	<b>Cost Estimate:</b>	<b>N/A</b>

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

---

**SUMMARY:** At the May 15, 2017 Board meeting, staff presented the proposed budget for Fiscal Year 2017-2018. After receiving staff's presentation and responses to questions regarding the proposed budget, the Board requested comments and changes have been incorporated in this version of the budget. Staff has reviewed the budget and made further adjustments to the proposed budget. The latest version of the proposed budget for Fiscal Year (FY) 2017-2018 is attached as **Exhibit 29-C**. While preparing the proposed budget, District staff was mindful of the continued economic conditions as well as the current status of the District's three main funding sources (User Fee Revenue, Property Tax Revenue, and Water Supply Charge). This budget assumes continuation of the adopted annual Water Supply Charge and resumption of the User Fee revenue from ratepayers of California American Water in FY 2017-2018. This budget also takes into account District's existing Rabobank ASR loan debt obligation. Proposed expenditures and revenues each total \$13,040,800, which is relatively flat for expenditures and revenues from the amount budgeted in FY 2016-2017. A more detailed justification of the proposed budget is provided in the transmittal letter which is part of the budget document. This proposed budget does not include the use of reserves to balance the proposed budget. The FY 2017-2018 Budget also assumes payment of \$230,000 towards debt service (interest and principal) for the Rabobank ASR Loan. The budget document has been presented in same format as in prior years.

**RECOMMENDATION:** Staff recommends that the Board adopt Resolution No. 2017-09, A Resolution of the Board of Directors of the Monterey Peninsula Water Management District Adopting the Budget for Fiscal Year 2017-2018.

**BACKGROUND:** After compilation of the original requests from all Divisions, a detailed review and several adjustments by Division Managers and the General Manager, culminated this budget with proposed expenditures and revenues for FY 2017-2018 totaling \$13,040,800, of which \$3,081,300 or 22% includes reimbursement funds from grants, California American Water and other agencies.

In the past, District budgets had been balanced by use of previously accumulated reserves. At the District's strategic planning session on September 29, 2004, staff recommended that a balanced budget be prepared for FY 2005-2006 using a combination of revenue and expenditure adjustments to eliminate the use of reserve funds. At the January 19, 2005 budget workshop, the Board adopted an eight-part strategy for balancing the FY 2005-2006 Budget. In being mindful of the 2005 Board adopted strategy, every effort was made to balance this proposed budget without the use of reserves. This proposed FY 2017-2018 Budget was balanced without the use of reserves to maintain all of District's programs and services. This budget assumes the continued collection of the annual Water Supply Charge and resumption of the User Fee revenues from ratepayers of the California American Water.

## **EXHIBITS**

**29-A** Draft Resolution No. 2017-09

**29-B** Draft Copy Certification

**29-C** Draft Fiscal Year 2017-2018 Proposed Budget



**EXHIBIT 29-A**

**RESOLUTION NO. 2017-09**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
ADOPTING THE BUDGET FOR FISCAL YEAR 2017-2018**

**WHEREAS**, the General Manager has proposed a budget for Fiscal Year 2017-2018, a copy of which is on file at the District's office.

**WHEREAS**, the Board of Directors has examined, and deliberated on, the budget during meetings held on May 15, 2017 and June 19, 2017.

**NOW, THEREFORE BE IT RESOLVED** by the Board of Directors of the Monterey Peninsula as follows:

1. That the said budget as approved at the June 19, 2017 Board of Directors Meeting is hereby approved and adopted as the budget for the Monterey Peninsula Water Management District for Fiscal Year 2017-2018.
2. That the General Manager may delegate the authority to implement this resolution to the Administrative Services Manager/Chief Financial Officer.
3. That the General Manager is authorized and directed to transfer funds from one activity to another within a given fund, and from one Division to another Division, as such times are appropriate, in accordance with generally-accepted accounting principles and consistent with the objectives outlined in the approved budget.
4. That any contract for professional services, or other expenditures for procuring equipment, supplies or services, included in the budget that exceeds \$15,000 shall be executed by the General Manager only upon approval by the Board of Directors at a meeting of the Board of Directors.

On a motion by Director \_\_\_\_\_ and seconded by Director \_\_\_\_\_ the foregoing resolution is duly adopted this 19<sup>th</sup> day of June 2017 by the following votes:

Ayes:

Nays:

Absent:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 19<sup>th</sup> day of June 2017.

Witness my hand and seal of the Board of Directors this 19<sup>th</sup> day of June 2017.

---

David J. Stoldt  
Secretary to the Board

file:///U:/staff/Boardpacket/2017/20170619/PubHrngs/29/Item-29-Exh-A.docx

**DRAFT****EXHIBIT 29-B****COPY CERTIFICATION**

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify the foregoing is a full, true and correct copy of Resolution No. 2017-09 duly adopted on the 19<sup>th</sup> of June 2017.

\_\_\_\_\_  
David J. Stoldt, Secretary to the Board

\_\_\_\_\_  
Date







## Fiscal Year 2017-2018 Budget

May 15, 2017





**2017-2018 BUDGET**

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**RESOLUTION NO. 2017-XX**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
ADOPTING THE BUDGET FOR FISCAL YEAR 2017-2018**

**WHEREAS**, the General Manager has proposed a budget for Fiscal Year 2017-2018, a copy of which is on file at the District's office.

**WHEREAS**, the Board of Directors has examined, and deliberated on, the budget during meetings held on May 15, 2017 and June 19, 2017.

**NOW, THEREFORE BE IT RESOLVED** by the Board of Directors of the Monterey Peninsula as follows:

1. That the said budget as approved at the June 19, 2017 Board of Directors Meeting is hereby approved and adopted as the budget for the Monterey Peninsula Water Management District for Fiscal Year 2017-2018.
2. That the General Manager may delegate the authority to implement this resolution to the Administrative Services Manager/Chief Financial Officer.
3. That the General Manager is authorized and directed to transfer funds from one activity to another within a given fund, and from one Division to another Division, as such times are appropriate, in accordance with generally-accepted accounting principles and consistent with the objectives outlined in the approved budget.
4. That any contract for professional services, or other expenditures for procuring equipment, supplies or services, included in the budget that exceeds \$15,000 shall be executed by the General Manager only upon approval by the Board of Directors at a meeting of the Board of Directors.

On a motion by Director \_\_\_\_\_ and seconded by Director \_\_\_\_\_ the foregoing resolution is duly adopted this 19<sup>th</sup> day of June 2017 by the following votes:

Ayes:

Nays:

Absent:

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify that the foregoing is a resolution duly adopted on the 19<sup>th</sup> day of June 2017.

Witness my hand and seal of the Board of Directors this 19<sup>th</sup> day of June 2017.

---

David J. Stoldt  
Secretary to the Board

**COPY CERTIFICATION**

I, David J. Stoldt, Secretary to the Board of Directors of the Monterey Peninsula Water Management District, hereby certify the foregoing is a full, true and correct copy of Resolution No. 2017-XX duly adopted on the 19<sup>th</sup> of June 2017.

\_\_\_\_\_  
David J. Stoldt, Secretary to the Board

\_\_\_\_\_  
Date





June 19, 2017

Chairperson Brower and Board Members  
 Monterey Peninsula Water Management District  
 5 Harris Court, Building G  
 Monterey, California 93940

Dear Chairperson Brower and Board Members:

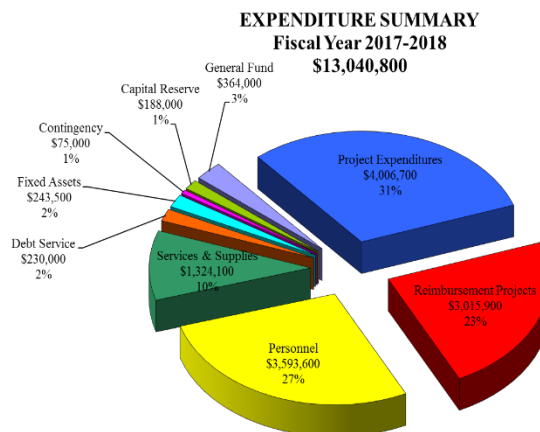
***Budget Overview***

This letter transmits the recommended budget for Fiscal Year (FY) 2017-2018. While preparing the budget, District staff was mindful of the continuing uncertain economic conditions as well as the current status of the District’s existing funding sources, including the user fee revenue. In preparing this year’s budget, staff adhered to the strategy to adopt balanced budgets as directed by the Board of Directors in 2005. The FY 2017-2018 Budget does not include use of reserves in order to maintain District programs and services, and it does assume continued collection of the previously adopted Water Supply Charge. This budget also includes resumption of the User Fee revenue from ratepayers of California American Water.

After compilation of the original requests from all Divisions, a detailed review, and several adjustments by Division Managers and the General Manager, culminated this budget with proposed expenditures and revenues for FY 2017-2018 totaling \$13,040,800, of which \$3,081,300 or 22% includes reimbursement funds from grants, California American Water ratepayers and other agencies.

***Expenditures***

As shown in the graph on the right and in the expenditures portion of the FY 2017-2018 Budget, the budgeted expenditures of \$13,040,800 stayed flat from the amount budgeted in FY 2016-2017. The project expenditures portion of the budget includes \$2,097,500 towards water supply projects (Water Projects 1 & 2 or Aquifer Storage Recovery Project), Pure Water Monterey (Groundwater Replenishment Project), Local Water Projects, and other Water Supply Projects), \$817,900 towards mitigation projects, \$1,091,300 towards non-reimbursable conservation & rebate program activities, and \$3,015,900 towards



non-reimbursable conservation & rebate program activities, and \$3,015,900 towards

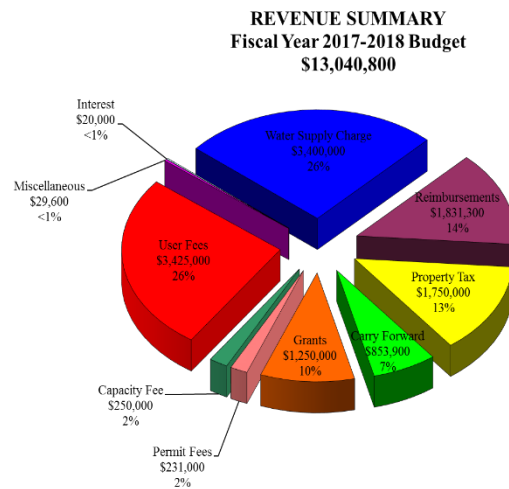
reimbursement project costs. The reimbursable project expenditure budget includes funds for the operation of Water Projects 1 & 2, Los Padres Dam Plan, grant funded projects, and conservation & rebate program costs. The budget was prepared with the assumption that Cal-Am would continue to reimburse the District for the operation of Water Project 1, and reimburse the cost of both operation and construction of Water Project 2.

Other large project expenditures include \$359,000 for riparian and erosion control activities, \$262,600 for the operation of the Sleepy Hollow fish rearing facility and related fish rescue activities, \$167,000 for lagoon and hydrologic monitoring, \$390,900 for conservation related activities, \$650,000 for new database system for Water Demand Division, and \$500,000 for water conservation rebates. The rebate amount is reimbursable by Cal-Am ratepayers. The expenditure budget also includes \$950,000 for design, permitting and construction of a new water intake system at Sleepy Hollow, paid for with grant funds.

The budget for legal expenses is \$400,000 which is maintained at the same level from last fiscal year. The budget also assumes payment of \$230,000 for debt service (interest and principal) towards the Rabobank ASR loan. The FY 2017-2018 Budget also includes a Capital Improvement Project Forecast as requested by the Board of Directors in 2005.

**Revenues**

The FY 2017-2018 revenue budget totals \$13,040,800 which is relatively flat from the amount budgeted in FY 2016-2017. This budget assumes collection of the previously adopted Water Supply Charge for FY 2017-2018. This budget also includes resumption of the User Fee revenue in the amount of \$3,425,000 from ratepayers of California American Water. This User Fee revenue projection is based on an estimated collection of revenues by California American Water. Property tax revenues are projected to be \$1,750,000 which is slightly higher than the amount budgeted in FY 2016-2017 as property values have been increasing over the last few years. Capacity Fees are estimated to be \$250,000, permit revenues are budgeted at \$231,000 are both projected at the same level as prior fiscal year. Projected revenues also include reimbursements of \$635,400 from Cal-Am for ASR 1 and ASR 2 operational costs, \$525,000 from Cal-Am rate payers towards Los Padres Dam long term plan, \$500,000 from Cal-Am ratepayers for rebates, \$74,600 for services provided to the Seaside Basin Watermaster, and \$1,250,000 in grant funds for projects as detailed in the expenditure section of the budget.



**Reserves**

The following table summarizes the ending balances in the reserve accounts. There are changes to reserve balances as a result of the proposed budget:

Reserve Description	Balance 07/01/17	FY 2016-2017 Change	Balance 06/30/18
Insurance/Litigation Reserve	\$250,000	\$0	\$250,000
Flood/Drought Reserve	328,944	0	328,944
Capital Equipment Reserve	144,000	188,000	332,000
Debt Reserve Fund	220,772	0	220,772
General Operating Reserve	1,903,540	(489,900)	1,413,640
<b>Totals</b>	<b>\$2,847,256</b>	<b>(\$301,900)</b>	<b>\$2,545,356</b>

As the above table indicates the total reserve is expected to have a balance of approximately \$2,545,356, or 39% of the operating budget.

**Summary**

The 2017-2018 Budget was prepared using the strategies adopted in 2005 by the Board of Directors to adopt balanced budgets on an annual basis. The FY 2017-2018 Budget does not include use of reserves to balance the budget. This budget assumes continued collection of the District's three main sources of revenues (Water Supply Charge, User Fee, and Property Tax), which will allow the District to maintain its service levels currently provided by the District, and sustain its ability to achieve the objectives in the District's Strategic Plan, including Mission and Vision Statements. The District Management Team would like to thank the Board of Director's and other District employees for their contributions and participation in the development of the FY 2017-2018 Budget. They have made contribution to the development of the budget under difficult circumstances and we acknowledge their efforts. As always, this challenging process has produced an excellent document worthy of recognition.

Respectfully submitted:

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David J. Stoldt  
General Manager

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Suresh Prasad  
Administrative Services Manager/  
Chief Financial Officer

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Larry Hampson  
Planning & Engineering Manager/  
District Engineer

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Stephanie Locke  
Water Demand Manager





#### MISSION STATEMENT

*The mission of the Monterey Peninsula Water Management District is to promote or provide for long-term sustainable water supply, and to manage and protect water resources for the benefit of the community and the environment.*

#### VISION STATEMENT

*The MPWMD:*

- 1) will strive to ensure a public role in development, ownership, and oversight of water supply solutions in collaboration with private or other public entities, resulting in sustainable, legal, affordable, and environmentally responsible water supply, consistent with adopted general plans;*
- 2) shall carry out its leadership role in water resource management in a fiscally responsible and professional manner.*



# EXPENDITURE SUMMARY

## Fiscal Year 2017-2018

### \$13,040,800

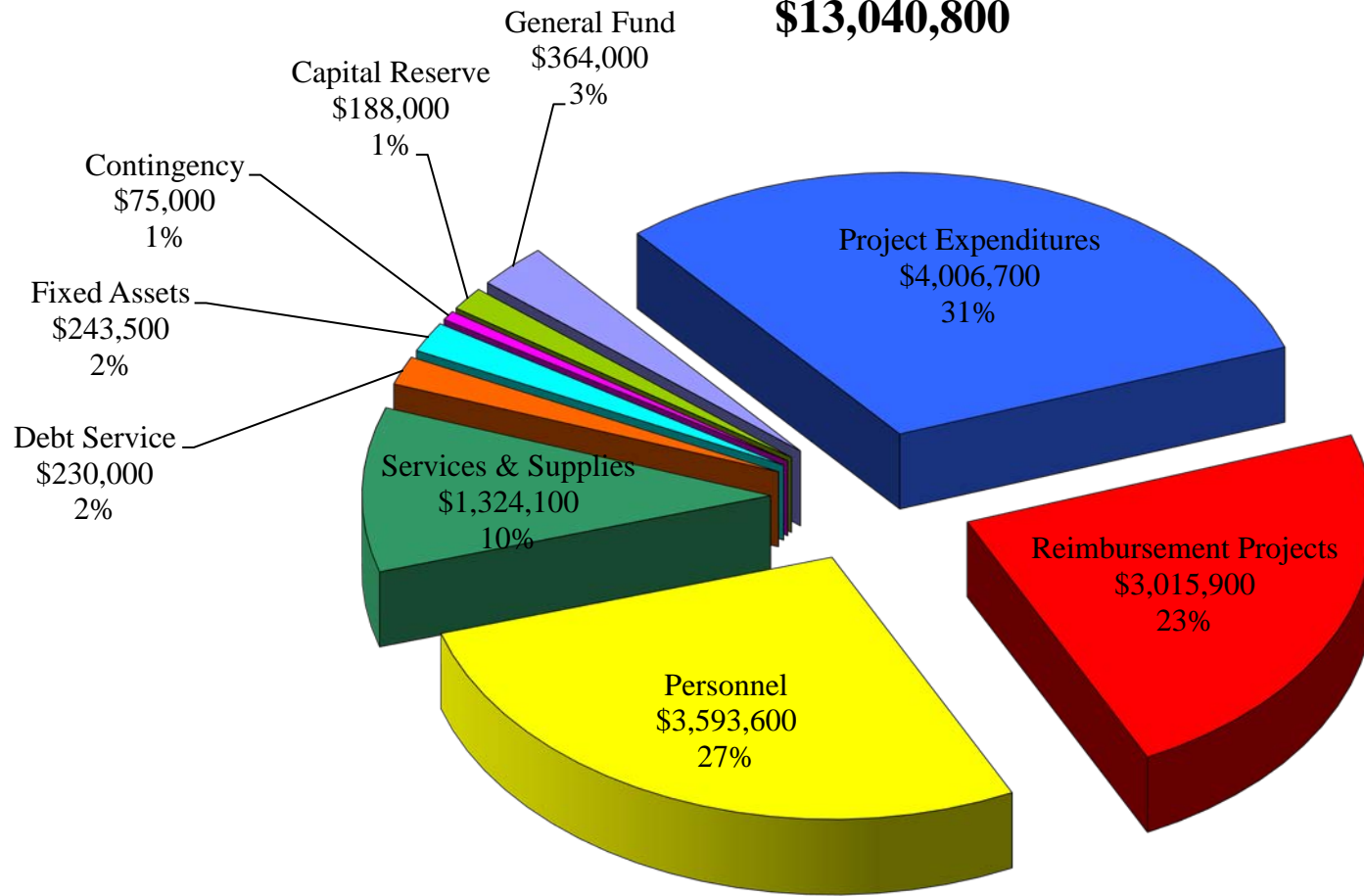


EXHIBIT 29-C

**Monterey Peninsula Water Management District  
Expenditures Comparison by Year  
Fiscal Year 2017-2018 Budget**

	FY 2015-2016 <u>Revised</u>	FY 2016-2017 <u>Revised</u>	FY 2017-2018 <u>Proposed</u>	Change From Previous Year	Percentage <u>Change</u>
<b><u>PERSONNEL</u></b>					
Salaries	\$2,415,600	\$2,406,700	\$2,502,000	\$95,300	3.96%
Retirement	401,000	407,600	449,500	41,900	10.28%
Unemployment Compensation	3,000	3,000	3,000	0	0.00%
Auto Allowance	6,000	6,000	6,000	0	0.00%
Deferred Compensation	7,800	8,400	8,400	0	0.00%
Temporary Personnel	71,000	41,200	47,000	5,800	14.08%
Workers Comp. Ins.	44,400	48,600	50,900	2,300	4.73%
Employee Insurance	410,800	427,600	437,300	9,700	2.27%
Medicare & FICA Taxes	39,700	41,500	44,100	2,600	6.27%
Personnel Recruitment	6,000	6,500	2,000	(4,500)	-69.23%
Staff Development	38,500	34,700	43,400	8,700	25.07%
Subtotal	<u>\$3,444,300</u>	<u>\$3,431,800</u>	<u>\$3,593,600</u>	<u>\$161,800</u>	<u>4.71%</u>
<b><u>SERVICES &amp; SUPPLIES</u></b>					
Board Member Comp	\$30,000	\$37,000	\$45,400	\$8,400	22.70%
Board Expenses	10,000	10,000	8,000	(2,000)	-20.00%
Rent	23,600	23,200	23,200	-	0.00%
Utilities	38,400	38,200	38,800	600	1.57%
Telephone	44,100	42,900	45,600	2,700	6.29%
Facility Maintenance	37,200	37,900	42,800	4,900	12.93%
Bank Charges	3,500	4,000	4,000	-	0.00%
Office Supplies	15,700	21,800	20,600	(1,200)	-5.50%
Courier Expense	8,000	7,800	8,100	300	3.85%
Postage & Shipping	4,000	6,400	6,400	-	0.00%
Equipment Lease	15,000	14,000	14,000	-	0.00%
Equip. Repairs & Maintenance	7,000	7,500	7,500	-	0.00%
Photocopy Expense	0	0	-	-	0.00%
Printing/Duplicating/Binding	7,500	9,900	9,400	(500)	-5.05%
IT Supplies/Services	105,400	90,400	100,000	9,600	10.62%
Operating Supplies	20,900	18,800	19,200	400	2.13%
Legal Services	400,000	400,000	400,000	-	0.00%
Professional Fees	135,000	210,000	351,500	141,500	67.38%
Transportation	24,100	23,600	26,600	3,000	12.71%
Travel	35,200	32,100	34,600	2,500	7.79%
Meeting Expenses	7,200	7,100	6,400	(700)	-9.86%
Insurance	45,000	45,100	45,000	(100)	-0.22%
Legal Notices	4,300	4,300	3,700	(600)	-13.95%
Membership Dues	25,500	29,100	34,600	5,500	18.90%
Public Outreach	4,000	3,500	5,700	2,200	62.86%
Assessors Administration Fee	20,000	20,000	20,000	-	0.00%
Miscellaneous	3,500	3,600	3,000	(600)	-16.67%
Subtotal	<u>\$1,074,100</u>	<u>\$1,148,200</u>	<u>\$1,324,100</u>	<u>\$175,900</u>	<u>15.32%</u>
FIXED ASSETS	174,200	121,500	243,500	\$122,000	100.41%
<b><u>PROJECT EXPENDITURES</u></b>					
Water Supply	6,180,100	3,979,195	2,097,500	(1,881,695)	-47.29%
Mitigation	384,000	439,800	817,900	378,100	85.97%
Conservation	207,000	179,500	1,091,300	911,800	507.97%
Reimbursement Projects	1,614,000	2,587,900	3,015,900	428,000	16.54%
DEBT SERVICE	230,000	230,000	230,000	0	0.00%
FLOOD/DROUGHT RESERVE	0	66,600	0	(66,600)	-100.00%
CAPITAL EQUIP. RESERVE	0	0	188,000	188,000	100.00%
GENERAL FUND BALANCE	488,150	783,050	364,000	(419,050)	-53.52%
ELECTION EXPENSE	60,000	0	0	0	0.00%
CONTINGENCY	75,000	75,000	75,000	0	0.00%
EXPENDITURE TOTAL	<u>\$13,930,850</u>	<u>\$13,042,545</u>	<u>\$13,040,800</u>	<u>(\$1,745)</u>	<u>-0.01%</u>



**Monterey Peninsula Water Management District  
Expenditures by Operating Fund  
Fiscal Year 2017-2018 Budget**

	<u>Mitigation</u>	<u>Water Supply</u>	<u>Conservation</u>	<u>Total</u>
<b><u>PERSONNEL</u></b>				
Salaries	\$984,800	\$873,000	\$644,200	\$2,502,000
Retirement	187,600	156,900	105,000	449,500
Unemployment Compensation	1,200	1,000	800	\$3,000
Auto Allowance	1,200	3,600	1,200	\$6,000
Deferred Compensation	1,700	5,000	1,700	\$8,400
Temporary Personnel	800	600	45,600	\$47,000
Workers Comp. Ins.	30,000	18,200	2,700	\$50,900
Employee Insurance	177,500	139,200	120,600	\$437,300
Medicare & FICA Taxes	17,500	16,000	10,600	\$44,100
Personnel Recruitment	800	600	600	\$2,000
Staff Development	14,100	12,700	16,600	43,400
Subtotal	<u>\$1,417,200</u>	<u>\$1,226,800</u>	<u>\$949,600</u>	<u>\$3,593,600</u>
<b><u>SERVICES &amp; SUPPLIES</u></b>				
Board Member Comp	18,200	14,500	12,700	\$45,400
Board Expenses	3,200	2,600	2,200	8,000
Rent	10,600	9,800	2,800	23,200
Utilities	15,600	12,600	10,600	38,800
Telephone	18,200	15,200	12,200	45,600
Facility Maintenance	17,400	14,200	11,200	42,800
Bank Charges	1,600	1,300	1,100	4,000
Office Supplies	8,100	6,600	5,900	20,600
Courier Expense	3,200	2,600	2,300	8,100
Postage & Shipping	2,600	2,100	1,700	6,400
Equipment Lease	5,600	4,500	3,900	14,000
Equip. Repairs & Maintenance	3,000	2,400	2,100	7,500
Printing/Duplicating/Binding	1,800	1,500	6,100	9,400
IT Supplies/Services	40,000	32,000	28,000	100,000
Operating Supplies	2,200	1,800	15,200	19,200
Legal Services	128,000	200,000	72,000	400,000
Professional Fees	140,600	112,500	98,400	351,500
Transportation	10,300	10,300	6,000	26,600
Travel	9,500	8,100	17,000	34,600
Meeting Expenses	2,400	1,900	2,100	6,400
Insurance	18,000	14,400	12,600	45,000
Legal Notices	1,600	1,400	700	3,700
Membership Dues	10,900	8,700	15,000	34,600
Public Outreach	2,300	1,800	1,600	5,700
Assessors Administration Fee	5,800	8,500	5,700	20,000
Miscellaneous	1,200	1,000	800	3,000
Subtotal	<u>\$481,900</u>	<u>\$492,300</u>	<u>\$349,900</u>	<u>\$1,324,100</u>
FIXED ASSETS	97,400	77,900	68,200	\$243,500
<b><u>PROJECT EXPENDITURES</u></b>				
Water Supply	0	2,097,500	0	2,097,500
Mitigation	749,200	68,700	0	817,900
Conservation	0	0	1,091,300	1,091,300
Reimbursement Projects	1,001,900	1,304,400	709,600	3,015,900
DEBT SERVICE	0	230,000	0	230,000
CAPITAL EQUIP. RESERVE	140,600	22,300	25,100	188,000
GENERAL FUND BALANCE	46,200	238,500	79,300	364,000
CONTINGENCY	30,000	24,000	21,000	75,000
EXPENDITURE TOTAL	<u>\$3,964,400</u>	<u>\$5,782,400</u>	<u>\$3,294,000</u>	<u>\$13,040,800</u>

**Monterey Peninsula Water Management District  
Labor Allocation by Operating Funds  
Fiscal Year 2017-2018**

	<u>Mitigation</u>	<u>Water Supply</u>	<u>Conservation</u>	<u>Total</u>
<b><u>General Manager's Office</u></b>				
General Manager	20%	60%	20%	100%
Executive Assistant	25%	50%	25%	100%
<b><u>Administrative Services</u></b>				
ASD Mgr/CFO	33%	34%	33%	100%
Accountant	33%	34%	33%	100%
Human Resources Analyst	33%	34%	33%	100%
Office Services Supervisor	33%	34%	33%	100%
Accounting/Office Speaciliat	33%	34%	33%	100%
Information Technology Manager	33%	34%	33%	100%
GIS Specialist	33%	34%	33%	100%
<b><u>Planning &amp; Engineering</u></b>				
P&E Mgr/District Engineer	50%	50%	0%	100%
Water Resources Engineer	25%	75%	0%	100%
Riparian Projects Coordinator	80%	20%	0%	100%
River Maintenance Specialist	100%	0%	0%	100%
River Maintenance Worker	100%	0%	0%	100%
<b><u>Water Demand</u></b>				
Water Demand Manager	0%	20%	80%	100%
Conservation Rep II	0%	75%	25%	100%
Conservation Rep II	0%	25%	75%	100%
Conservation Rep I	0%	0%	100%	100%
Conservation Rep I	0%	0%	100%	100%
Conservation Technician II	0%	0%	100%	100%
<b><u>Water Resources</u></b>				
Water Resources Manager	0%	0%	0%	0%
Senior Hydrogeologist	10%	90%	0%	100%
Hydrography Programs Coordinator	90%	10%	0%	100%
Associate Hydrologist	8%	92%	0%	100%
Hydrology Technician	50%	50%	0%	100%
Senior Fisheries Biologist	95%	5%	0%	100%
Associate Fisheries Biologist	100%	0%	0%	100%
Associate Fisheries Biologist	100%	0%	0%	100%
<b>Average Percentage</b>	<b>40%</b>	<b>32%</b>	<b>28%</b>	<b>100%</b>

**Monterey Peninsula Water Management District  
Expenditures by Division  
Fiscal Year 2017-2018 Budget**

	<u>General Manger's Office</u>	<u>Administrative Services</u>	<u>Planning &amp; Engineering</u>	<u>Water Demand</u>	<u>Water Resources</u>	<u>Total</u>
<b><u>PERSONNEL</u></b>						
Salaries	\$282,200	\$477,900	\$508,500	\$543,300	\$690,100	\$2,502,000
Retirement	58,000	78,800	89,500	90,500	132,700	449,500
Unemployment Compensation	0	3,000	0	0	0	3,000
Auto Allowance	6,000	0	0	0	0	6,000
Deferred Compensation	8,400	0	0	0	0	8,400
Temporary Personnel	0	2,000	0	45,000	0	47,000
Workers' Comp.	1,300	2,000	19,300	2,300	26,000	50,900
Employee Insurance	29,400	152,800	71,300	84,800	99,000	437,300
Medicare & FICA Taxes	4,200	10,600	8,700	7,900	12,700	44,100
Personnel Recruitment	0	2,000	0	0	0	2,000
Staff Development	4,900	13,500	8,600	11,400	5,000	43,400
Subtotal	\$394,400	\$742,600	\$705,900	\$785,200	\$965,500	\$3,593,600
<b><u>SERVICES &amp; SUPPLIES</u></b>						
Board Member Comp	\$0	\$45,400	\$0	\$0	\$0	45,400
Board Expenses	8,000	0	0	0	0	8,000
Rent	0	10,000	6,600	0	6,600	23,200
Utilities	0	37,800	600	0	400	38,800
Telephone	1,400	35,000	4,600	2,000	2,600	45,600
Facility Maintenance	0	40,000	1,400	0	1,400	42,800
Bank Charges	0	4,000	0	0	0	4,000
Office Supplies	1,000	17,000	1,600	800	200	20,600
Courier Expense	0	8,100	0	0	0	8,100
Postage & Shipping	0	6,000	0	0	400	6,400
Equipment Lease	0	14,000	0	0	0	14,000
Equip. Repairs & Maintenance	0	7,500	0	0	0	7,500
Printing/Duplicating/Binding	500	4,000	0	4,900	0	9,400
IT Supplies/Services	0	100,000	0	0	0	100,000
Operating Supplies	400	4,000	400	14,000	400	19,200
Legal Services	0	400,000	0	0	0	400,000
Professional Fees	185,000	166,500	0	0	0	351,500
Transportation	0	0	6,000	6,000	14,600	26,600
Travel	10,000	8,000	1,000	12,000	3,600	34,600
Meeting Expenses	1,000	4,500	400	500	0	6,400
Insurance	0	45,000	0	0	0	45,000
Legal Notices	500	2,200	0	0	1,000	3,700
Membership Dues	26,000	1,000	0	7,400	200	34,600
Public Outreach	5,700	0	0	0	0	5,700
Assessors Administration Fee	0	20,000	0	0	0	20,000
Miscellaneous	500	2,500	0	0	0	3,000
Subtotal	\$240,000	\$982,500	\$22,600	\$47,600	\$31,400	\$1,324,100
FIXED ASSETS	0	243,500	0	0	0	243,500
<b>PROJECT EXPENDITURES</b>						
Water Supply	285,000	0	887,100	0	925,400	2,097,500
Mitigation	0	0	395,500	0	422,400	817,900
Conservation	0	0	0	1,091,300	0	1,091,300
Reimbursement Projects	80,000	0	594,100	709,600	1,632,200	3,015,900
DEBT SERVICE	0	230,000	0	0	0	230,000
CAPITAL EQUIPMENT RES.	0	188,000	0	0	0	188,000
GENERAL FUND BALANCE	0	364,000	0	0	0	364,000
ELECTION EXPENSE	0	0	0	0	0	0
CONTINGENCY	0	75,000	0	0	0	75,000
Expenditure Total	\$999,400	\$2,825,600	\$2,605,200	\$2,633,700	\$3,976,900	\$13,040,800

Objective	Timeline	Total	Account	Division	Reimbursable	Source
<b>AUGMENT WATER SUPPLY</b>						
<b>Operations Modeling</b>						
1-1-1 CRBHM Development (formerly CVSIM)	June	43,000	35-03-782900	P&E		
1-1-2 Los Padres Dam Long Term Plan						
A. Fish Passage	Ongoing	150,000	35-03-786015	P&E	150,000	CAW
B. Alternatives Analysis and Sediment Management	June	350,000	35-03-786015	P&E	350,000	CAW
C. Reservoir Expansion Simulation (CRBHM)	June	25,000	35-03-786015	P&E		
D. GSFLOW for Alternatives Analysis	June	50,000	35-03-786015	P&E	25,000	CAW
1-1-3 PWM/MPWSP Operations Model (CRBHM)	June	50,000	35-03-7860XX	P&E		
<b>Water Supply Projects</b>						
1-2-1 Water Project 1 (Aquifer Storage Recovery 1)						
A. Santa Margarita Site						
1. Site work						
a. FORA / regulatory agency compliance	Ongoing	60,000	35-04-786004	WRD		
b. Site expansion engineering	Ongoing	304,000	35-04-786004	WRD		
c. Site expansion construction - (phase I)	Spring/Summer	450,000	35-04-786004	WRD		
d. Contingency (10%)	Fall/Winter	81,400	35-04-786004	WRD		
2. Operations and Maintenance						
a. Operations support	Ongoing	70,000	35-04-786004	WRD	70,000	CAW
b. Water quality lab analysis	Ongoing	50,000	35-04-786004	WRD	50,000	CAW
c. Electrical power	Ongoing	150,000	35-04-786004	WRD	150,000	CAW
d. Supplemental Sampling and Analysis Plan (SSAP)	Ongoing	120,000	35-04-786004	WRD	120,000	CAW
e. Security and Monitoring	Ongoing	17,000	35-04-786004	WRD	17,000	CAW
B. Water Project 2 (Aquifer Storage Recover 2)						
1. Seaside Middle School Site						
a. ASR well rehab testing	Summer/Fall	125,000	35-04-786007	WRD	125,000	CAW
b. Contingency (15%)	Ongoing	18,800	35-04-786007	WRD	18,800	CAW
2. Operations & Maintenance						
a. Operations support	Ongoing	10,000	35-04-786006	WRD	10,000	CAW
b. Water quality lab analysis	Ongoing	18,800	35-04-786006	WRD	18,800	CAW
c. Electrical power	Ongoing	46,900	35-04-786006	WRD	46,900	CAW
d. Facility building maintenance	Ongoing	1,200	35-04-786006	WRD	1,200	CAW
e. Contingency (15%)	Ongoing	7700	35-04-786006	WRD	7,700	CAW
1-4-1 Water Rights Permits Fees	Ongoing	5,000	35-03-781200	P&E		
1-5-1 Ground Water Replenishment Project (PWM)	Ongoing	200,000	35-03-786010	GMO/P&E		
1-7-1 A. Permit 20808B Alternatives Analysis	Ongoing	30,000	35-04-786016	WRD		
1-8-1 A. Other Water Supply Projects - IFIM feasibility studies	Ongoing	75,000	35-03-786019	P&E		
B. Monterey Pipeline MMRP Compliance	Ongoing	50,000	35-03-7860XX	P&E	20,800	CAW/PWM
1-9-1 Cal-Am Desal Project	Ongoing	175,000	35-01-786025	GMO		
1-10-1 Local Water Projects	Ongoing	391,900	35-03-786033	P&E		
1-11-1 Alternate Desal Project	Ongoing	0	35-03-786035	P&E		
1-12-1 Carmel River Basin Study	Ongoing	43,000	35-03-786022	P&E		
1-13-1 Drought Contingency Plan	Ongoing	190,000	35-01-786012	GMO	80,000	Rec Bureau
<b>AUGMENT WATER SUPPLY TOTAL</b>		<b>3,358,700</b>			<b>1,261,200</b>	

Objective	Timeline	Total	Account	Division	Reimbursable	Source
<b>PROTECT ENVIRONMENTAL QUALITY</b>						
<b>Riparian Mitigations</b>						
2-1-1 Irrigation Program						
A. Operate and maintain 4 well systems	Ongoing	10,000	24-03-785011	P&E		
B. Operate and maintain District project systems	Ongoing	15,000	24-03-785012	P&E		
C. Refurnish DeDampierre well vault	June	7,000	24-03-785012	P&E		
2-1-2 Riparian Corridor Management						
A. Maintain and diversify plantings at District projects						
1. Seed collection and propagation	Ongoing	1,000	24-03-787030	P&E		
2. Supplemental planting	Ongoing	500	24-03-787033	P&E		
B. Riparian corridor maintenance (projects/equipment)	Ongoing	1,000	24-03-787080	P&E		
2-1-3 Riparian Monitoring Program						
A. Vegetation and soil moisture monitoring	Ongoing	500	24-03-787021	P&E		
B. Wildlife monitoring	August & May	4,000	24-03-787022	P&E		
C. Field Biology Assistant	Ongoing		24-03-787010	P&E		
2-1-4 Address Vegetation Hazards and Remove Trash	Ongoing	20,000	24-03-787040	P&E		
2-1-5 Carmel River Annual Aerial Photography	Ongoing	30,000	24-03-7870XX	P&E	5,000	Cal-Am
<b>Erosion Protection</b>						
2-2-1 Repair Bank Damage at District Restoration Projects						
A. Work at lower San Carlos restoration project	June	250,000	24-03-789541	P&E		
2-2-2 Carmel Riverbed Topographic Data	Ongoing	20,000	24-03-787023	P&E		
<b>Aquatic Resources Fisheries</b>						
2-3-1 Sleepy Hollow Facility Operations						
A. General operations and maintenance	Ongoing	42,000	24-04-785813	WRD		
B. Power	Ongoing	36,000	24-04-7858XX	WRD		
C. Road maintenance	June	3,000	24-04-785813	WRD		
D. Replacement of standby generator fuel	Ongoing	700	24-04-785813	WRD		
E. Generator maintenance service	Spring	5,900	24-04-785813	WRD		
F. Design and permitting for new intake system	2017	200,000	24-04-785812	WRD	200,000	Coastal Conservancy
G. Facility upgrade (construction)	2018	750,000	24-04-785812	WRD	750,000	Coastal Conservancy
H. ESA Section 10 SHSRF Evaluations	Ongoing	65,000	24-04-785811	WRD		
I. Intake/cold well repair & maintenance	Ongoing	10,000	24-04-785813	WRD		
J. Rearing channel bird netting & frame replacement	July	15,000	24-04-785813	WRD		
K. Water Resources Assitant for Weekend Shift	Jun.-Jan.	14,800	24-04-787010	WRD		
2-3-2 Conduct Juvenile Rescues						
A. Miscellaneous fish rescue supplies	Ongoing	5,300	24-04-785813	WRD		
B. Water Resources Assistant	Ongoing	11,200	24-04-787010	WRD		
C. Seasonal Fish Rescue Workers	Ongoing	16,700	24-04-787010	WRD		
D. Recalibrate backpack electro-fisher	Ongoing	900	24-04-785813	WRD		
E. Waders	Ongoing	1,500	24-04-785813	WRD		
F. On-call fish rescue crew leader	Ongoing	6,700	24-04-787010	WRD		
E. Equipment Expenses	Ongoing	500	24-04-785811	WRD		
2-3-3 Rescue & Transport Smolts						
A. Smolt rescue supplies	Feb-May	0	24-04-785833	WRD		
B. Water Resources Assistant	March-May	0	24-04-787010	WRD		
C. Seasonal Fish Rescue Worker	March-May	0	24-04-787010	WRD		
2-3-4 Monitoring of Adult Steelhead Counts - San Clemente Dam						
A. DIDSON Steelhead counting station components	Fall-Spring	4,000	24-04-785851	WRD		
B. Water Resources Assistant	Fall-Spring	9,900	24-04-787010	WRD		
2-3-5 Adult & kelt rescue and transport	Ongoing	1,000	24-04-785900	WRD		
2-3-6 Contracted Aquatic Invertebrate Identification & Retraining	Oct.	4,400	24-04-785860	WRD		
2-3-7 Carmel River & Lagoon Water Quality Monitoring Samples						
Water Resources Assistant	Ongoing	1,200	24-04-785870	WRD		
	Ongoing	6,900	24-04-787010	WRD		

Objective	Timeline	Total	Account	Division	Reimbursable	Source
<b>Lagoon Mitigation Activities</b>						
2-4-1 Monitoring						
A. Bi-annual inter-agency cooperative Steelhead survey	June/Dec	500	24-04-785871	WRD		
B. YSI Automatic Vertical Water Quality Profiler	Ongoing	40,000	24-04-782203	WRD		
<b>Hydrologic</b>						
2-5-1 Carmel Valley						
A. Monitor Carmel River near Carmel (USGS)	Ongoing	15,200	35-04-785600	WRD		
B. Water quality chemical analyses	Ongoing	1,600	35-04-781510	WRD		
C. Replace CVA coastal monitor well cluster	Ongoing	39,400	xx-04-785502	WRD		
D. Fractured rock well monitoring	Ongoing	2,000	xx-04-785507	WRD		
E. CVA wells digitization	Ongoing	2,000	4/5-785505	WRD		
F. Water resources intern (WQ)	Ongoing	4,500	35-04-7815XX	WRD		
2-5-2 Seaside Basin Watermaster						
A. MMP implementation (non-labor portion, + \$35k for labor)	Ongoing	35,000	35-04-786003	WRD	35,000	S./Side Watermaster
B. MPWMD monitor well maintenance (pumps)	Ongoing	1,000	35-04-786003	WRD	1,000	S./Side Watermaster
C. Replace LS Driving range well with QED pump (SCS-Deep)	Ongoing	3,100	35-04-786003	WRD	3,100	S./Side Watermaster
D. ROE renewal for Ft Ord Dunes State Park access	Ongoing	500	35-04-786003	WRD	500	S./Side Watermaster
2-5-3 District Wide						
A. Stream flow monitoring program						
1. Miscellaneous equipment	Ongoing	10,000	xx-04-785603	WRD		
2. Data line rental - 7 sites	Ongoing	3,000	xx-04-785603	WRD		
3. Hydstra Time Series Software Annual Support	Ongoing	2,500	xx-04-785603	WRD		
4. Hydstra consulting - report customization/website	Summer-Fall	6,000	xx-04-785603	WRD		
5. Purchase (5) RV50 Cellular Modems	Summer-Fall	5,000	xx-04-785603	WRD		
6. Upgrade MPWMD Gaging Stations						
A. Upgrade MPWMD Gaging Station - CR Lagoon	Summer-Fall	5,000	xx-04-785623	WRD		
B. Upgrade MPWMD Gaging Station - Pine Creek	Summer-Fall	5,000	xx-04-785612	WRD		
B. Other Hydrologic Monitoring						
1. Monitor well conversions	Ongoing	2,000	xx-04-785502	WRD	2,000	Applicant
2. Annual Well Reporting	Ongoing	2,600	xx-04-781602	WRD		
3. Misc. equipment (2 well probes)	Ongoing	1,500	xx-04-781602	WRD		
4. SCD replacement rain/temp stations (incl site fencing)	Ongoing	10,000	xx-04-781602	WRD		
5. FO-09 monitor replacement XD's and rugged cables	Ongoing	5,200	xx-04-781602	WRD	5,200	Cal-Am
6. Field Tablets (4 Android)	Ongoing	2,000	xx-04-785502	WRD		
7. Analysis Software (AQ/QA Rockworks)	Ongoing	2,000	xx-04-785502	WRD		
<b>Integrated Regional Water Management</b>						
2-6-1 Integrated Regional Water Management						
A. Prop 1 coordination	Ongoing	21,500	24-03-785505	P&E		
<b>Water Distribution System Permitting</b>						
2-8-1 Permit Processing Assistance	Ongoing	15,000	24-03-785503	WDD	15,000	Applicant
2-8-2 Hydrogeologic Impact Review	Ongoing	4,000	24-03-785503	WDD	4,000	Applicant
2-8-3 County Fees - CEQA Posting and Recording	Ongoing	8,300	24-03-785503	WDD	8,300	Applicant
2-8-4 WDS Permit Package Review (MPWMD Counsel)	Ongoing	16,000	24-03-785503	WDD	16,000	Applicant
2-8-5 Document Management/File Scanning (Temporary service)	June	15,000	24-03-785503	P&E		
2-8-6 Temporary staff	June	5,000	24-03-785503	P&E		
<b>PROTECT ENVIRONMENTAL QUALITY TOTAL</b>		<b>1,863,000</b>			<b>1,045,100</b>	

Objective	Timeline	Total	Account	Division	Reimbursable	Source
<b>WATER DEMAND</b>						
<b>Demand Management</b>						
4-1-1 Rule Implementation/Enforcement						
A. Deed Restriction recording	Ongoing	24,000	26-05-781900	WDD	9,600	Applicant (40%)
B. CEQA Compliance	Fall	15,000	26-05-780100	WDD		
4-1-2 Database Project						
A. Maintenance & Programming	Ongoing	60,000	26-05-781161	WDD		
B. New Database - ACCELA	Ongoing	650,000	26-05-7811XX	WDD		
<b>Water Conservation</b>						
4-2-1 Conservation Outreach						
A. Outreach and communication	Ongoing	40,000	26-05-781140	WDD		
B. CII Outreach	Ongoing	2,500	26-05-781130	WDD		
C. PRV Outreach	Ongoing	2,500	26-05-7811XX	WDD		
D. Sponsorship/Support Community Events	Ongoing	5,000	26-05-7811XX	WDD		
E. Brochures	Ongoing	3,000	26-05-7811XX	WDD		
4-2-2 Conservation Programs (non-reimbursable)						
A. Best management practices	Ongoing	15,000	26-05-781155	WDD		
B. Advertising/Webvertising	Ongoing	25,000	26-05-781115	WDD		
C. Conservation Website Maintenance	Ongoing	2,500	26-05-781160	WDD		
D. Conservation devices - nonreimbursable	Ongoing	65,000	26-05-781187	WDD		
E. Conservation & efficiency workshops/training	Ongoing	25,000	26-05-781182	WDD		
F. Graywater/Rainwater Demo Project	Ongoing	30,000	26-05-781185	WDD		
G. School Water Education	Ongoing	1,000	26-05-781178	WDD		
H. School Retrofits	Ongoing	35,000	26-05-781184	WDD		
I. CIMIS Stations	Ongoing	3,900	26-05-781111	WDD		
J. GardenSoft WateWise Gardening	Ongoing	5,000	26-05-781186	WDD		
L. Pressure Reducing Valve Program	Ongoing	15,000	26-05-781190	WDD		
M. Linen/Towel Program	Ongoing	25,000	26-05-781180	WDD		
N. Conservation printed material	Ongoing	10,000	26-05-781188	WDD		
4-2-3 Rebate Program						
A. CAW	Ongoing	500,000	26-05-781412	WDD	500,000	CAW
B. Seaside Municipal	Ongoing	0	26-05-781499	WDD	0	
C. Non-CAW (MPWMD funded)	Ongoing	40,000	26-05-781499	WDD		
D. DAC Direct Install Grant	Ongoing	200,000	26-05-7814XX	WDD	200,000	Prop 1 Funds
E. Rebate & Other Forms	Ongoing	1,500	26-05-781400	WDD		
<b>WATER DEMAND TOTAL</b>		<b>1,800,900</b>			<b>709,600</b>	
<b>PROJECT EXPENDITURES TOTAL</b>		<b>7,022,600</b>			<b>3,015,900</b>	

**Monterey Peninsula Water Management District  
Large Projects and Capital Improvement Plan  
Fiscal Year 2017-2018 Budget**

<u>Division</u>	<u>Project Description</u>	<u>FY 2017-2018</u>	<u>FY 2018-2019</u>	<u>FY 2019-2020</u>	<u>Funding Source</u>
<b>Funded From District Revenues</b>					
P&E/GMO	Pure Water Monterey	\$200,000	\$0	\$0	District Revenues
P&E/GMO	GWR Operating Reserve Fund	0	543,333	489,000	District Revenues
P&E/GMO	GWR Drought Reserve Fund	0	163,000	163,000	District Revenues
WRD	Phase 1 Aquifer Storage & Recovery	895,400	200,000	0	District Revenues
WRD	ASR Expansion	0	50,000	50,000	District Revenues
P&E	Cal-Am Desal Project - Public Financing	175,000	200,000	0	District Revenues
P&E	Cal-Am Desal Project - Monterey Pipeline MMRP Compliance	29,200	0	0	District Revenues
P&E	Local Water Projects	391,900	100,000	100,000	District Revenues
P&E	Operations Modeling - IFIM/CRBHM	118,000	75,000	75,000	District Revenues
P&E	Carmel & Salinas Rivers Basin Study	43,000	95,000	75,000	District Revenues
P&E	Los Padres Dam Long Term Plan	50,000	200,000	100,000	District Revenues
P&E	PWM/MPWSP Operations Model	50,000	0	0	District Revenues
P&E/WRD	Water Rights/Permit 20808B Alternatives	35,000	125,000	0	District Revenues
WDD/ASD	New Water Demand Database - Accela	650,000	0	0	District Revenues
P&E/GMO	Drought Contingency Plan	110,000	48,900	0	District Revenues
All	Capital Asset Purchases	237,400	100,000	100,000	District Revenues
GMO	Water Allocation Process	0	900,000	400,000	District Revenues
	<b>SUBTOTAL</b>	<b>\$2,984,900</b>	<b>\$2,800,233</b>	<b>\$1,552,000</b>	
<b>Reimbursed from Grants or Reimbursements</b>					
P&E/GMO	Drought Contingency Plan	80,000	70,000	0	USBR
P&E	Cal-Am Desal Project - Monterey Pipeline MMRP Compliance	20,800	0	0	CAW
P&E	Los Padres Dam Long Term Plan	525,000	300,000	175,000	CAW
WRD	Phase 2 Aquifer Storage & Recovery	143,800	0	0	CAW
WRD	Sleepy Hollow Facility Raw Water Intake Retrofit	950,000	50,000	0	SCC Grant
	<b>SUBTOTAL</b>	<b>\$1,719,600</b>	<b>\$420,000</b>	<b>\$175,000</b>	
	<b>TOTAL CIP</b>	<b>\$4,704,500</b>	<b>\$3,220,233</b>	<b>\$1,727,000</b>	



**Monterey Peninsula Water Management District  
Capital Asset Purchases  
Fiscal Year 2017-2018 Budget**

	<u>Division</u>	<u>Cost</u>	<u>Account Number</u>
<b><u>Capital Assets</u></b>			
Replacement Laptops Staff Use (Surface)	ASD	3,800	99-02-916000
Server Room replacement air conditioner	ASD	10,000	99-02-918000
AV-System Conference Room	ASD	49,000	99-02-916000
Server Refresh	ASD	13,000	99-02-916000
Workstation Refresh	ASD	5,000	99-02-916000
POE Switches	ASD	5,000	99-02-916000
Netapp Expansion Drives	ASD	9,200	99-02-916000
PBX Replacement	ASD	43,500	99-02-917000
Ford F150 Truck (4 Door 4X4) Pool Vehicle	ASD	35,000	99-02-914000
Admin Building Backup Generator	ASD	70,000	99-02-918000
<b>Total Capital Assets</b>		<b>\$243,500</b>	

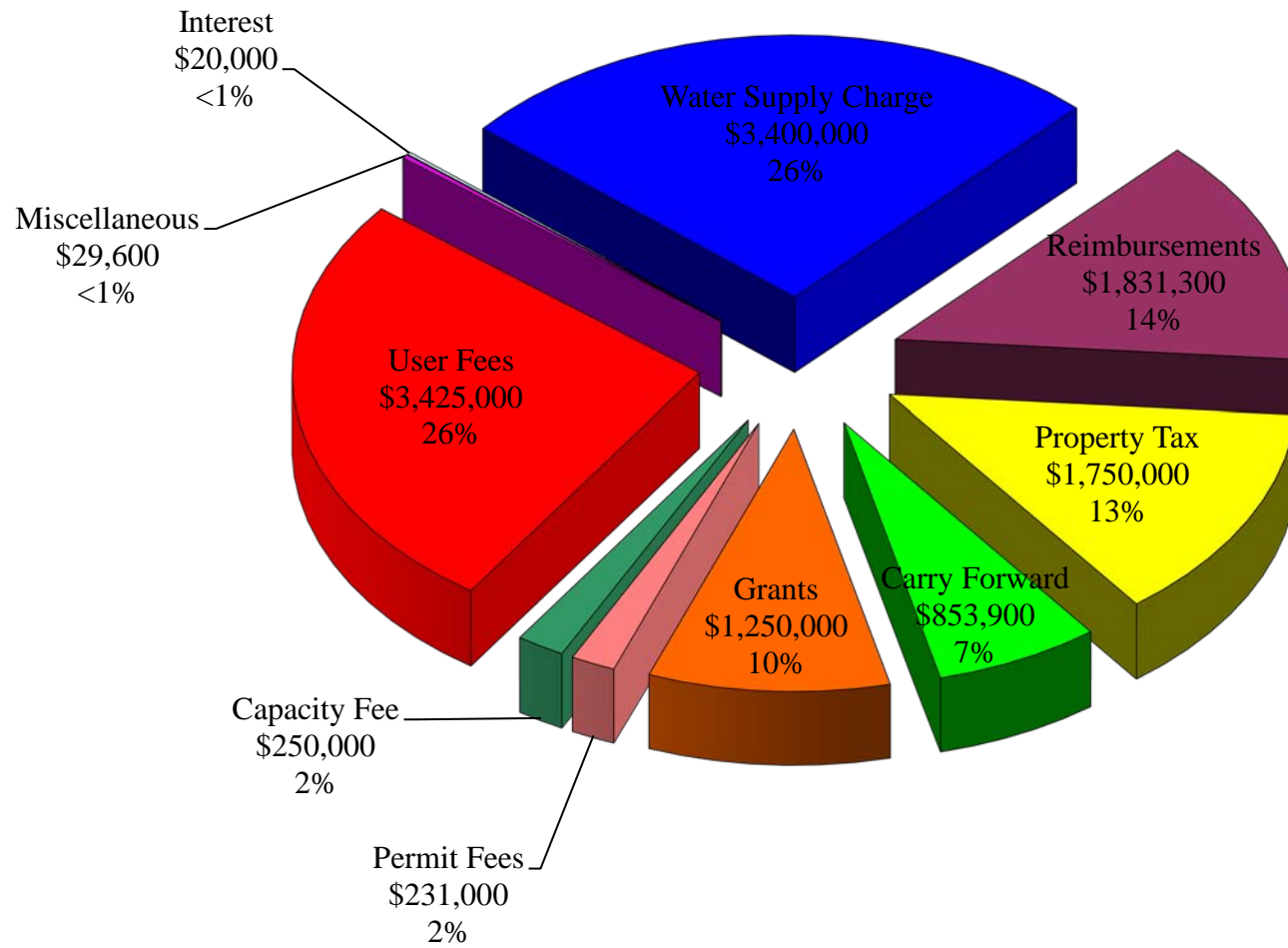
**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
CAPITAL ASSET REPLACEMENT/REPAIR SCHEDULE  
FISCAL YEAR 2017-2018 BUDGET**

<u>Item</u>	<u>Asset Cost</u>	<u>Replacement Cost</u>	<u>Asset In Service (Year)</u>	<u>Replace In Fiscal Year</u>	<u>Years to Purchase</u>	<u>Prior Years Accrual</u>	<u>Balance Left to Accrue</u>	<u>Accrual This Fiscal Year</u>	<u>Remarks</u>
Server Room Air Conditioner	\$10,000	\$10,000	2000-2001	2017-2018	0	\$0	\$10,000	\$0	Air Conditioner
1/2 Ton Pickup (4 Door 4X4)	\$36,600	\$36,600		2017-2018	0	\$36,600	\$0	\$0	Additional Vehicle
Telephone System	\$51,000	\$51,000		2017-2018	0	\$51,000	\$0	\$0	Nortel IS 3-00
Board Room A/V Equipment	\$50,000	\$50,000		2017-2018	0	\$0	\$50,000	\$0	A/V Equipment
Orthoimagery	\$66,000	\$66,000		2018-2019	1	\$33,000	\$33,000	\$0	Updated 10/08
Information System	\$120,000	\$120,000		2018-2019	1	\$40,700	\$79,300	\$0	In Service 06/08
1 Ton Pickup	\$50,000	\$50,000		2018-2019	1	\$12,500	\$37,500	\$18,800	Unit 3, '97 3500 D 4x4
Harris Court A/C Unit #2	\$15,000	\$15,000	2000-2001	2018-2019	1	\$0	\$15,000	\$7,500	Air Conditioner
1/2 Ton Pickup	\$30,000	\$30,000		2018-2019	1	\$0	\$30,000	\$15,000	Unit 1, '03 Ram 1500
3/4 Ton Pickup	\$35,000	\$35,000		2018-2019	1	\$0	\$35,000	\$17,500	Unit 9, '03 Ram 2500
3/4 Ton Pickup	\$40,000	\$40,000		2018-2019	1	\$0	\$40,000	\$20,000	Unit 8, '05 F250 D
1/2 Ton Pickup	\$30,000	\$30,000		2018-2019	1	\$0	\$30,000	\$15,000	Unit 10, '95 F150
1 Ton Pickup	\$50,000	\$50,000		2019-2020	2	\$0	\$50,000	\$16,700	Unit 11, '03 Ram D 3500
Ford Escape	\$25,000	\$25,000		2019-2020	2	\$0	\$25,000	\$8,300	Unit 14, '09 Ford Escape
Chipper	\$25,000	\$25,000		2019-2020	2	\$0	\$25,000	\$8,300	Chipper (P&E Dept)
Harris Court A/C Unit #3	\$15,000	\$15,000	2000-2001	2019-2020	2	\$0	\$15,000	\$5,000	Air Conditioner
Multifunction Plotter/Scanner	\$25,000	\$25,000		2020-2021	3	\$3,100	\$21,900	\$5,500	Replace 2 separate units
1/2 Ton Pickup	\$30,000	\$30,000		2020-2021	3	\$8,000	\$22,000	\$5,500	Unit 7, '14 F150 4x4
Honda Insight	\$25,000	\$25,000		2020-2021	3	\$0	\$25,000	\$6,300	Unit 5, '10 Honda Insight H
1/2 Ton Pickup	\$34,500	\$34,500		2020-2021	3	\$0	\$34,500	\$8,600	Unit 4, '99 F150 4x4
Harris Court A/C Unit #4	\$15,000	\$15,000	2000-2001	2020-2021	3	\$0	\$15,000	\$3,800	Air Conditioner
1 Ton Pickup (Dump/Auto-Cra	\$50,000	\$50,000	2015-2016	2021-2022	4	\$0	\$50,000	\$10,000	Unit 6, '96 F350 D 4x4
Harris Court A/C Unit #5	\$15,000	\$15,000	2000-2001	2021-2022	4	\$0	\$15,000	\$3,000	Air Conditioner
Chevy Bolt EV	\$40,000	\$40,000	2016-2017	2023-2024	6	\$0	\$40,000	\$5,700	Unit 17-01, 2017 Chevy Bo
Chevy Bolt EV	\$40,000	\$40,000	2016-2017	2023-2024	6	\$0	\$40,000	\$5,700	Unit 17-02, 2017 Chevy Bo
Harris Court A/C Unit #1	\$12,000	\$20,000	2015-2016	2025-2026	10	\$0	\$20,000	\$1,800	Air Conditioner
Totals	\$935,100	\$943,100				\$184,900	\$758,200	\$188,000	

# REVENUE SUMMARY

## Fiscal Year 2017-2018 Budget

### \$13,040,800



**Monterey Peninsula Water Management District  
Revenues Comparison by Year  
Fiscal Year 2017-2018 Budget**

	FY 2015-2016 <u>Revised</u>	FY 2016-2017 <u>Revised</u>	FY 2017-2018 <u>Proposed</u>	Change From <u>Previous Year</u>	Percentage <u>Change</u>
Property Taxes	\$1,570,000	\$1,600,000	\$1,750,000	\$150,000	9.38%
Permit Fees - WDD	175,000	175,000	175,000	0	0.00%
Permit Fees - PED	56,000	56,000	56,000	0	0.00%
Capacity Fee	175,000	212,500	250,000	37,500	17.65%
User Fees	75,000	95,000	3,425,000	3,330,000	3505.26%
Water Supply Charge	3,400,000	3,400,000	3,400,000	0	0.00%
Mitigation Revenue	2,412,000	2,518,500	0	-2,518,500	-100.00%
Recording Fees	8,000	8,000	9,600	1,600	20.00%
Interest	15,000	20,000	20,000	0	0.00%
Other	15,000	20,000	20,000	0	0.00%
Subtotal District Revenues	<u>7,901,000</u>	<u>8,105,000</u>	<u>9,105,600</u>	<u>1,000,600</u>	<u>12.35%</u>
Reimbursements - CAW	\$1,247,800	\$2,045,300	\$1,691,400	-\$353,900	-17.30%
Reimbursements - Watermaster	70,200	74,600	74,600	0	0.00%
Reimbursements - Reclamation	0	20,000	20,000	0	0.00%
Reimbursements - Other	56,000	36,000	29,300	-6,700	-18.61%
Reimbursements - Legal Fees	15,000	10,000	16,000	6,000	60.00%
Grants	275,000	330,400	1,250,000	919,600	278.33%
Subtotal Reimbursements	<u>1,664,000</u>	<u>2,516,300</u>	<u>3,081,300</u>	<u>565,000</u>	<u>22.45%</u>
Line of Credit Proceeds	\$0	\$0	\$0	\$0	0.00%
Carry Forward From Prior Year	1,220,000	1,508,510	853,900	-654,610	-43.39%
From Capital Equip. Reserve	89,700	0	0	0	0.00%
From Flood/Drought Reserve	0	0	0	0	0.00%
From Fund Balance	3,056,150	912,735	0	-912,735	-100.00%
Other Financing Sources:					
Transfers In	0	1,001,600	1,750,000	748,400	74.72%
Transfers Out	0	-1,001,600	-1,750,000	-748,400	74.72%
Revenue Totals	<u>\$13,930,850</u>	<u>\$13,042,545</u>	<u>\$13,040,800</u>	<u>-\$1,745</u>	<u>-0.01%</u>

**Monterey Peninsula Water Management District  
Revenues by Operating Fund  
Fiscal Year 2017-2018 Budget**

	<u>Mitigation</u>	<u>Water Supply</u>	<u>Conservation</u>	<u>Total</u>
Property Taxes	\$0	\$1,750,000	\$0	\$1,750,000
Permit Fees - WDD	0	0	175,000	175,000
Permit Fees - PED	56,000	0	0	56,000
Capacity Fee	0	250,000	0	250,000
User Fees	2,307,500	0	1,117,500	3,425,000
Water Supply Charge	0	3,400,000	0	3,400,000
Mitigation Revenue	0	0	0	0
Recording Fees	0	0	9,600	9,600
Interest	2,500	14,000	3,500	20,000
Other	10,000	10,000	0	20,000
Subtotal District Revenues	<u>2,376,000</u>	<u>5,424,000</u>	<u>1,305,600</u>	<u>9,105,600</u>
Reimbursements - CAW	\$7,600	\$1,183,800	\$500,000	\$1,691,400
Reimbursements - Watermaster	0	74,600	0	74,600
Reimbursements - Reclamation	0	20,000	0	20,000
Reimbursements - Other	28,300	1,000	0	29,300
Reimbursements - Legal Fees	0	0	16,000	16,000
Grants	950,000	80,000	220,000	1,250,000
Subtotal Reimbursements	<u>985,900</u>	<u>1,359,400</u>	<u>736,000</u>	<u>3,081,300</u>
Line of Credit Proceeds	\$0	\$0	\$0	\$0
Carry Forward From Prior Year	102,500	749,000	2,400	853,900
From Capital Equip. Reserve	0	0	0	0
From Flood/Drought Reserve	0	0	0	0
From Litigation Reserve	0	0	0	0
From Fund Balance	0	0	0	0
Other Financing Sources:				
Transfers In	500,000	0	1,250,000	1,750,000
Transfers Out	0	-1,750,000	0	-1,750,000
Revenue Totals	<u>\$3,964,400</u>	<u>\$5,782,400</u>	<u>\$3,294,000</u>	<u>\$13,040,800</u>

**Monterey Peninsula Water Management District  
Reimbursable Amounts & Grants  
Fiscal Year 2017-2018 Budget**

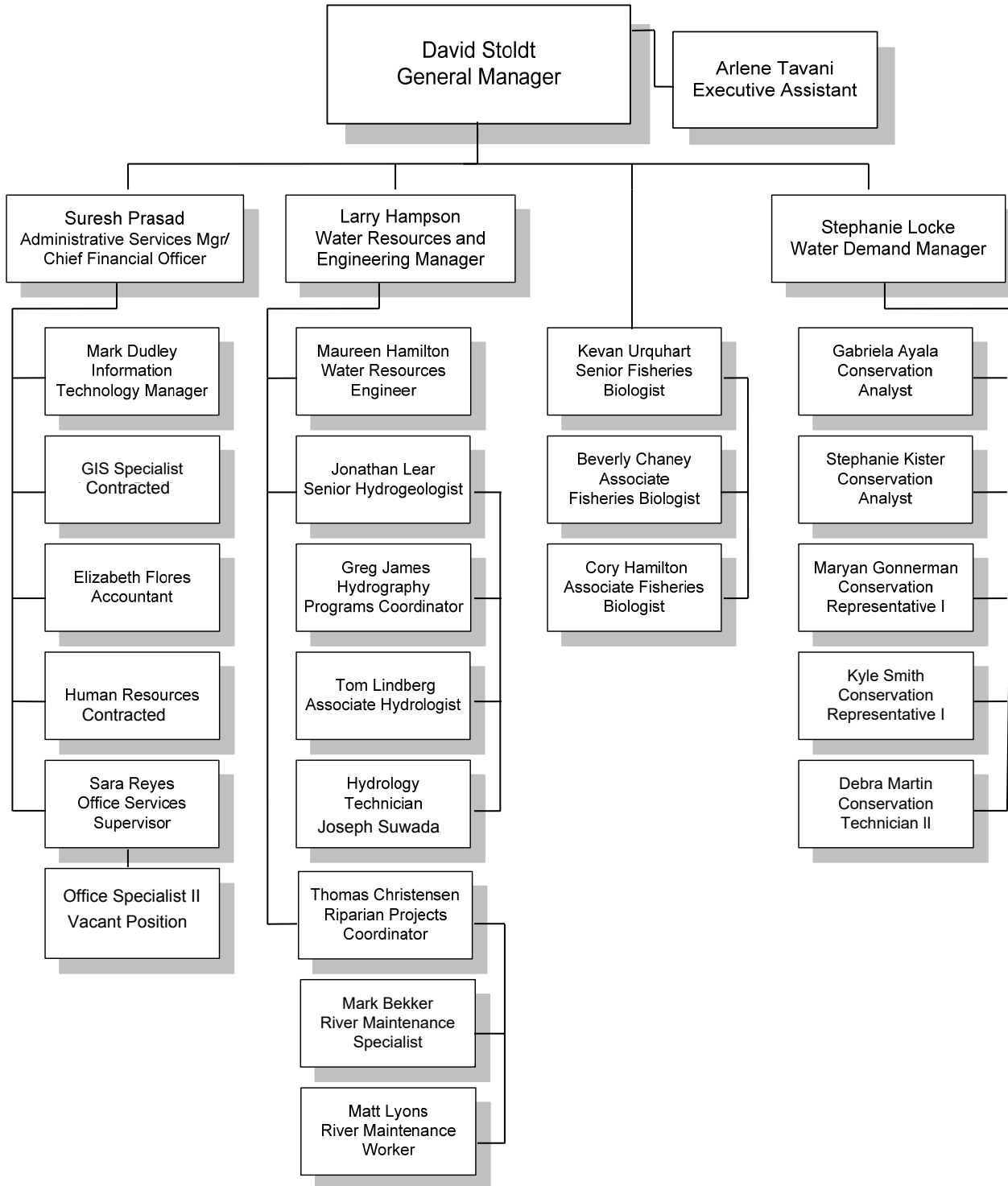
<u>Reimbursement Source</u>	<u>Amount</u>
CAW - ASR 1 Operation	407,000
CAW - ASR 2 Well Rehab	143,800
CAW - ASR 2 Operation	84,600
CAW - Los Padres Dam Long Term Plan	525,000
CAW - Monterey Pipeline MMRP Compliance	20,800
CAW - Carmel River Aerial Photography	5,000
CAW - Monitor Replacement XD's Cables	5,200
CAW - Conservation Rebates	500,000
Watermaster (non labor \$39,600, plus \$35,000 in labor)	74,600
Reclamation Project (labor & legal)	20,000
Grants - Sleepy Hollow Intake Upgrade (Coastal Conservancy)	950,000
Grants - DAC Direct Install Grant (Prop 1 Funds)	200,000
Grants - Drought Contingency Plan (Bureau Reclamation)	80,000
Grants - Monterey Bay Air Resources District	20,000
Direct Bill - Well Monitoring Conversions	2,000
Direct Bill - Deed Restriction	9,600
Direct Bill - WDS Permitting, Hydrogeologic Analysis, etc.	27,300
Direct Bill - Legal Reimbursement	16,000
Total Reimbursements	<u>\$3,090,900</u>

**Monterey Peninsula Water Management District  
Analysis of Reserves  
Fiscal Year 2017-2018 Budget**

<u>Estimated Reserves as of 07/01/2017</u>	Mitigation <u>Fund</u>	Water Supply <u>Fund</u>	Conservation <u>Fund</u>	<u>Totals</u>
Prepaid Expenses	\$0	\$0	\$0	\$0
Litigation/Insurance Reserve	66,740	171,354	11,906	250,000
Capital Equipment Reserve	95,801	3,666	44,533	144,000
Flood/Drought Reserve	328,944	0	0	328,944
Debt Reserve	0	220,772	0	220,772
General Operating Reserve	1,460,033	(1,051,742)	1,495,249	1,903,540
Totals	\$1,951,518	(\$655,950)	\$1,551,688	\$2,847,256
 <u>Litigation/Insurance Reserve Analysis</u>				
07/01/2017 Balance (above)	\$66,740	\$171,354	\$11,906	\$250,000
Fiscal Year 2017-2018 Budgeted	0	0	0	0
06/30/2018 Budgeted Balance	\$66,740	\$171,354	\$11,906	\$250,000
 <u>Capital Equipment Reserve Analysis</u>				
07/01/2017 Balance (above)	\$95,801	\$3,666	\$44,533	\$144,000
Fiscal Year 2017-2018 Budgeted	140,600	22,300	25,100	188,000
06/30/2018 Budgeted Balance	\$236,401	\$25,966	\$69,633	\$332,000
 <u>Flood/Drought Reserve Analysis</u>				
07/01/2017 Balance (above)	\$328,944	\$0	\$0	\$328,944
Fiscal Year 2017-2018 Budgeted	0	0	0	0
06/30/2018 Budgeted Balance	\$328,944	\$0	\$0	\$328,944
 <u>Debt Reserve Analysis</u>				
07/01/2017 Balance (above)	\$0	\$220,772	\$0	\$220,772
Fiscal Year 2017-2018 Budgeted	0	0	0	0
06/30/2018 Budgeted Balance	\$0	\$220,772	\$0	\$220,772
 <u>General Operating Reserve Analysis</u>				
07/01/2017 Balance (above)	\$1,460,033	(\$1,051,742)	\$1,495,249	\$1,903,540
Fiscal Year 2017-2018 Budgeted	(56,300)	(510,500)	76,900	(489,900)
06/30/2018 Budgeted Balance	\$1,403,733	(\$1,562,242)	\$1,572,149	\$1,413,640
 Budgeted Reserves as of 06/30/2018	 \$2,035,818	 (\$1,144,150)	 \$1,653,688	 \$2,545,356

**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT  
ORGANIZATION CHART**

April 2017





Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**General Manager's Office**

The General Manager's Office activities include strategic planning, oversight of divisional activities and execution, public outreach, coordination and oversight of budget and financial activities, management of the District's legal strategies, support for the Board of Directors and Committees. Priorities for the past and next fiscal year include development of a secure and reliable revenue stream and implementation of permanent water supply resources.

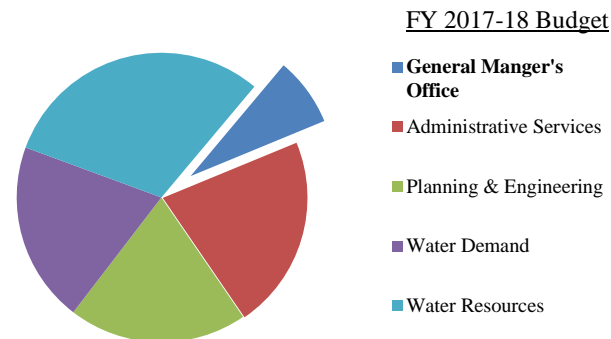
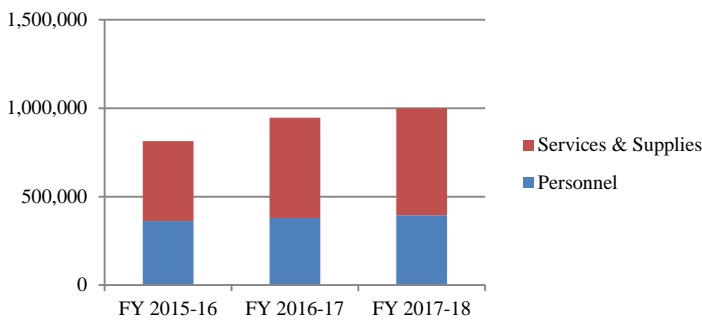
The services provided include general management of District activities on a day-to-day basis, strategic planning, program and activity evaluation, staff meetings and evaluations, meeting with jurisdictions and interest groups, regular interaction and direction with financial personnel, regular interaction and review of performance of District legal team, coordination of Board schedule and activities, preparation of Board packages and minutes.

Classification	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
General Manager	1	1	1	0
Executive Assistant	1	1	1	0
Community Relations Liaison	0	0	0	0
<b>TOTAL POSITIONS</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>
<b>TOTAL DISTRICT-WIDE POSITIONS</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>0</b>

Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**General Manager's Office**

	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
<u>Personnel</u>				
Salaries	\$273,900	\$274,900	\$282,200	\$7,300
Retirement	40,500	50,800	58,000	7,200
Unemployment Compensation	0	0	0	-
Auto Allowance	6,000	6,000	6,000	-
Deferred Compensation	7,800	8,400	8,400	-
Temporary Personnel	0	0	0	-
Workers' Comp.	1,000	1,400	1,300	(100)
Employee Insurance	24,200	28,600	29,400	800
Medicare & FICA Taxes	3,900	4,100	4,200	100
Personnel Recruitment	0	0	0	-
Pre-Employment Physicals	0	0	0	-
Staff Development	4,000	4,000	4,900	900
<b>Sub-total Personnel Costs</b>	<b>361,300</b>	<b>378,200</b>	<b>394,400</b>	<b>16,200</b>
<u>Services &amp; Supplies</u>				
Services & Supplies	137,300	175,400	240,000	64,600
Fixed Assets	-	-	-	-
Project Expenditures	315,000	392,900	365,000	(27,900)
Debt Service	-	-	-	-
Election Expense	-	-	-	-
Contingency	-	-	-	-
<b>Sub-total</b>	<b>452,300</b>	<b>568,300</b>	<b>605,000</b>	<b>36,700</b>
<b>TOTAL EXPENDITURES</b>	<b>813,600</b>	<b>946,500</b>	<b>999,400</b>	<b>69,100</b>



Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Administrative Services**

The Administrative Services Department activities include revenue and debt management, procurement, payroll, safety, risk management, human resources, records management, rules and regulations updates and distribution, building services and repairs, administrative support for the Board of Directors, administrative work in support of District-wide program and activities, and information technology services.

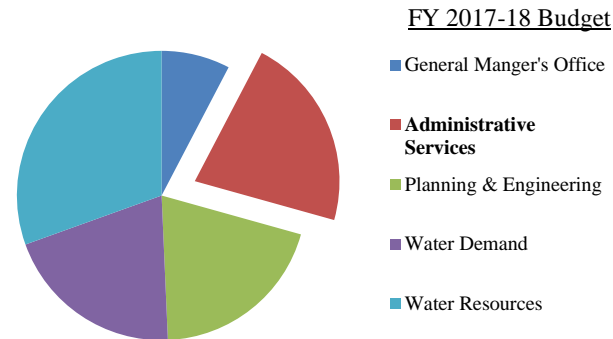
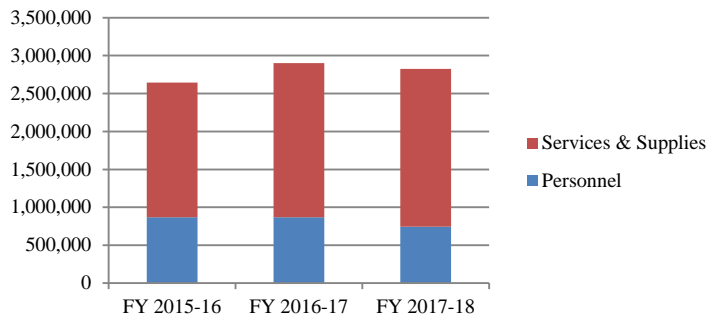
The services provided include cash and investment management, day-to-day accounting operations for the District and Pebble Beach Reclamation Project, internal and external financial reporting, grant administration, debt administration, overseeing District's financial obligations, management of assets, payroll administration, acquisition and payment of all goods and services, financial aspect of risk management, administering safety training programs, accident investigation, recruitment, selection, development and maintenance of personnel policies and procedures, employee development/training, employee recognition, legal issues and labor relations activities, and fulfilling public records requests. Additional services provided are the administration of benefit programs, overseeing workers compensation and ensuring compliance with DMV requirements. This department also maintains the District wide records management program, the repair & maintenance and improvements of the District's information and communication technology systems.

Classification	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
Administrative Services Manager/CFO	1	1	1	0
Information Technology Manager	1	1	1	0
GIS Specialist (Contracted)	1	1	1	0
Accountant	1	1	1	0
Human Resources Analyst (Contracted)	1	1	1	0
Office Services Supervisor	1	1	1	0
Office Specialist I	1	1	1	0
<b>TOTAL POSITIONS</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>0</b>
<b>TOTAL DISTRICT-WIDE POSITIONS</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>0</b>

Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Administrative Services**

	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
<u>Personnel</u>				
Salaries	\$583,000	\$581,700	\$477,900	(\$103,800)
Retirement	95,500	99,200	78,800	(20,400)
Unemployment Compensation	3,000	3,000	3,000	-
Auto Allowance	0	0	0	-
Deferred Compensation	0	0	0	-
Temporary Personnel	1,000	1,200	2,000	800
Workers' Comp.	2,200	2,300	2,000	(300)
Employee Insurance	148,900	151,100	152,800	1,700
Medicare & FICA Taxes	11,300	12,200	10,600	(1,600)
Personnel Recruitment	6,000	6,500	2,000	(4,500)
Pre-Employment Physicals	500	0	0	-
Staff Development	17,600	10,000	13,500	3,500
<b>Sub-total Personnel Costs</b>	<b>869,000</b>	<b>867,200</b>	<b>742,600</b>	<b>(124,600)</b>
<u>Services &amp; Supplies</u>				
Services & Supplies	847,100	836,400	982,500	146,100
Fixed Assets	74,500	42,200	243,500	201,300
Project Expenditures	-	-	-	-
Debt Service	230,000	230,000	230,000	-
Election Expense	60,000	-	-	-
Reserves	488,150	849,650	552,000	(297,650)
Contingency	75,000	75,000	75,000	-
<b>Sub-total</b>	<b>1,774,750</b>	<b>2,033,250</b>	<b>2,083,000</b>	<b>49,750</b>
<b>TOTAL EXPENDITURES</b>	<b>2,643,750</b>	<b>2,900,450</b>	<b>2,825,600</b>	<b>(199,450)</b>



Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Planning & Engineering**

The Planning and Engineering Division activities include review and investigation of proposed water supply projects, evaluation of proposed Carmel River water rights decisions, preservation of existing District water rights, coordination of Water Distribution System permits, implementation of portions of the Carmel River Mitigation Program, and coordination of water resource management throughout the District.

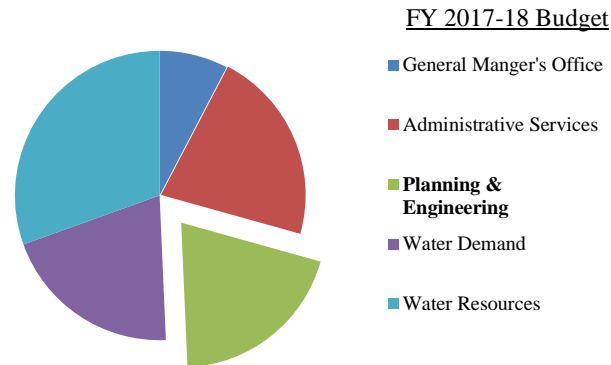
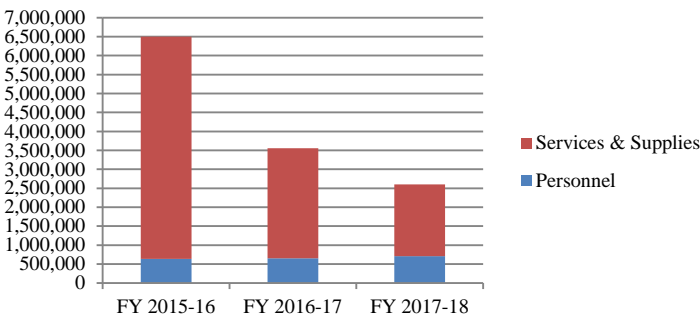
- Water Supply – Analysis of impacts and benefits of proposed water supply projects; review and completion of environmental compliance documents under the California Environmental Quality Act and National Environmental Policy Act); completion of Engineer’s Reports;
- Water Rights – Coordinate District review of proposed Carmel River water rights issued by the State Water Resources Control Board; track and preserve existing District water rights; prepare applications for changes to District water rights;
- Water Distribution System (WDS) permits – Review and process applications for WDS permits; make determinations of level of review; coordinate staff, consultant, and District Counsel work on WDS permits; prepare findings; issue WDS permits;
- Carmel River Mitigation Program – Conduct Carmel River restoration projects, including problem assessment, design, bid preparation, permit acquisition, construction management, and project monitoring; install, operate, and maintain high-volume irrigation systems along 15 miles of the lower Carmel River; monitor and assess streamside conditions; provide technical assistance to river front property owners; determine erosion potential; enforce District rules for the Carmel River; assist the Water Resources Division with steelhead rescues and Sleepy Hollow Steelhead Rearing Facility operations; provide technical analysis and advice to agencies responsible for Carmel River lagoon management;
- Integrated Regional Water Management (IRWM) – facilitate the development and implementation of a comprehensive IRWM Plan for the Monterey Peninsula region, including projects involving Carmel River resources, groundwater, recycled water, desalination, stormwater, flood control, ecosystem restoration, water conservation, and public recreation; conduct stakeholder outreach; prepare grant applications for specific projects; administer grant funds on behalf of the District and local area project proponents.

Classification	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
Planning & Engineering Manager	1	1	1	0
Project Manager	1	0	0	0
Riparian Projects Coordinator	1	1	1	0
Water Resources Engineer	0	1	1	0
River Maintenance Specialist	1	1	1	0
River Maintenance Specialist	1	1	1	0
Field Biology Assistant (limited term)	0.5	0.5	0.5	0
<b>TOTAL POSITIONS</b>	<b>5.5</b>	<b>5.5</b>	<b>5.5</b>	<b>0</b>
<b>TOTAL DISTRICT-WIDE POSITIONS</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>0</b>

Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Planning & Engineering**

	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
<u>Personnel</u>				
Salaries	\$465,900	\$479,400	\$508,500	\$29,100
Retirement	79,000	73,500	89,500	16,000
Unemployment Compensation	0	0	0	-
Auto Allowance	0	0	0	-
Deferred Compensation	0	0	0	-
Temporary Personnel	0	0	0	-
Workers' Comp.	15,600	18,200	19,300	1,100
Employee Insurance	68,350	69,300	71,300	2,000
Medicare & FICA Taxes	7,800	7,000	8,700	1,700
Personnel Recruitment	0	0	0	-
Pre-Employment Physicals	0	0	0	-
Staff Development	2,000	8,600	8,600	-
<b>Sub-total Personnel Costs</b>	<b>638,650</b>	<b>656,000</b>	<b>705,900</b>	<b>49,900</b>
<u>Services &amp; Supplies</u>				
Services & Supplies	19,400	21,200	22,600	1,400
Fixed Assets	76,000	-	-	-
Project Expenditures	5,765,700	2,881,400	1,876,700	(1,004,700)
Debt Service	-	-	-	-
Election Expense	-	-	-	-
Contingency	-	-	-	-
<b>Sub-total</b>	<b>5,861,100</b>	<b>2,902,600</b>	<b>1,899,300</b>	<b>(1,003,300)</b>
<b>TOTAL EXPENDITURES</b>	<b>6,499,750</b>	<b>3,558,600</b>	<b>2,605,200</b>	<b>(903,500)</b>



Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Water Demand**

The Water Demand Division provides information and programs to achieve efficient water use and maximize available supplies. This is achieved through community education and outreach, development of incentives and training programs, and by implementing and enforcing permitting and conservation regulations, thereby reducing the community's need for potable water. The Water Demand Division strives to provide responsive and accurate customer service that exceeds the expectations of the people we serve.

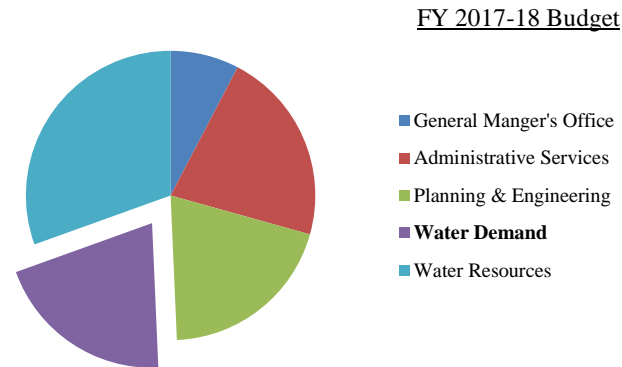
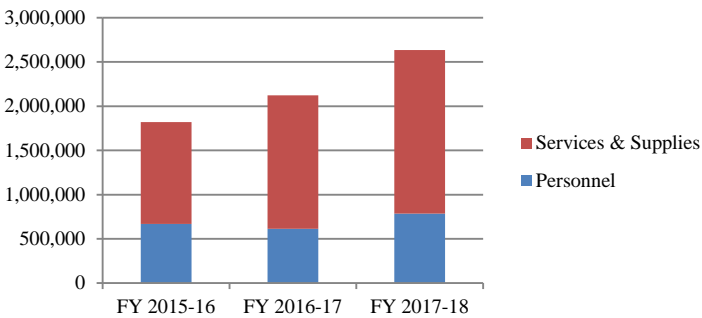
Services include customer service related to permit review and processing, conservation program administration and reporting, site visits and inspections, water waste and rationing enforcement, rebate program administration, and data management and data systems design related to demand management. Other services include project and program coordination and training with eight local cities and county, local water purveyors, local and statewide agencies, builders, contractors, architects, Realtors and others. The Water Demand Division also reviews projects for environmental compliance related to water supply, collaborates with jurisdictions to develop and track efficiency standards and conditions for development projects, assists with ratemaking and proposes policies and programs to encourage and promote indoor and outdoor water efficiency, conservation, reuse, alternative water sources, and non-residential best management practices.

Classification	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
Water Demand Manager	1	1	1	0
Conservation Analyst	0	2	2	0
Conservation Representative II	2	0	0	0
Conservation Representative I	2	2	2	0
Conservation Technician II	1	1	1	0
Data Entry (temporary)	1	1	1	0
<b>TOTAL POSITIONS</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>0</b>
<b>TOTAL DISTRICT-WIDE POSITIONS</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>0</b>

Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Water Demand**

	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
<b>Personnel</b>				
Salaries	\$433,000	\$414,800	\$543,300	\$128,500
Retirement	73,500	62,900	90,500	27,600
Unemployment Compensation	0	0	0	-
Auto Allowance	0	0	0	-
Deferred Compensation	0	0	0	-
Temporary Personnel	70,000	40,000	45,000	5,000
Workers' Comp.	1,700	1,800	2,300	500
Employee Insurance	74,150	81,700	84,800	3,100
Medicare & FICA Taxes	5,600	6,100	7,900	1,800
Personnel Recruitment	0	0	0	-
Pre-Employment Physicals	0	0	0	-
Staff Development	10,500	7,500	11,400	3,900
<b>Sub-total Personnel Costs</b>	<b>668,450</b>	<b>614,800</b>	<b>785,200</b>	<b>170,400</b>
<b>Services &amp; Supplies</b>				
Services & Supplies	40,300	42,400	47,600	5,200
Fixed Assets	0	73,300	0	(73,300)
Project Expenditures	1,111,000	1,391,700	1,800,900	409,200
Debt Service	0	0	0	-
Election Expense	0	0	0	-
Contingency	0	0	0	-
<b>Sub-total</b>	<b>1,151,300</b>	<b>1,507,400</b>	<b>1,848,500</b>	<b>341,100</b>
<b>TOTAL EXPENDITURES</b>	<b>1,819,750</b>	<b>2,122,200</b>	<b>2,633,700</b>	<b>681,900</b>





Monterey Peninsula Water Management District  
 Divisions  
 Fiscal Year 2017-2018 Budget

**Water Resources**

The Water Resources Division (WRD) is comprised of two staff functionary units, the Hydrologic unit and the Fisheries unit. Program responsibilities and services provided include surface and groundwater data collection and reporting programs, fishery protection activities in the Carmel River basin, quarterly water supply strategies and budgets for Cal-Am’s main and satellite water distribution systems, and the annual Carmel River Memorandum of Agreement among Cal-Am, CDFG and the District that governs reservoir releases to the lower Carmel River during the low-flow season. WRD staff coordinates closely with the Planning & Engineering and Water Demand Divisions on certain activities to more efficiently share internal staff resources and expertise.

Water Supply – Develop and implement plans for water supply augmentation projects; design, permit, construct, operate Seaside Basin ASR projects; analyze water supply project alternatives; operate water resources simulation models.

Fisheries Resource Program - Rescue stranded steelhead from the Carmel River; rear rescued fish at the Sleepy Hollow Rearing Facility (SHSRF); rescue downstream migrant smolts in spring and transport them to a holding facility or the ocean; prevent stranding of early fall and winter migrant juvenile steelhead; rescue steelhead kelts and transport them to a holding facility or the ocean; support future interagency captive brood-stock program for landlocked steelhead during successive years of drought; prepare designs, retain contractors and manage construction contracts for SHSRF projects.

Hydrologic Monitoring Program - Conduct: (a) precipitation monitoring, (b) streamflow monitoring, (c) reservoir and groundwater storage monitoring, (d) surface water and groundwater production monitoring,(e) surface water and groundwater quality monitoring, and (f) Carmel River lagoon water level, quality, bathymetric and habitat

Water Resources Management – Prepare quarterly water supply strategy budgets; participate in annual Carmel River Low Flow Memorandum of Agreement process; conduct monitoring and management functions as part of Seaside Basin Watermaster Monitoring & Management Plan; provide technical assistance and expert testimony on Cal-Am rate cases before the CPUC; prepare annual Mitigation Program reports.

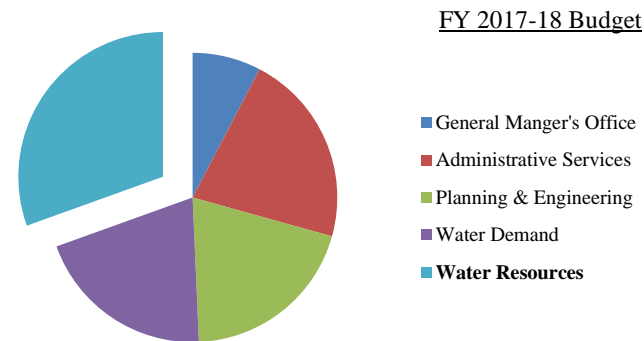
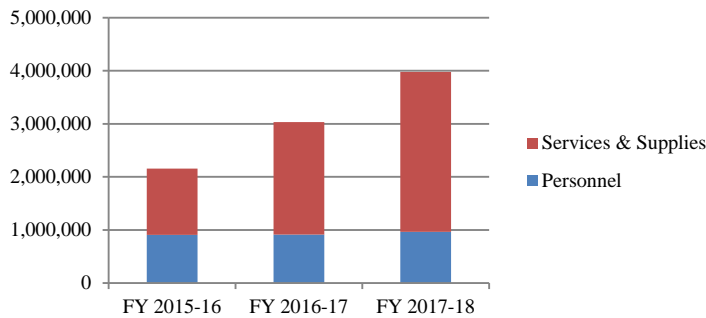
Water Use and Permitting – Collect, analyze and report data from approximately 1,000 wells and other sources for annual District-wide water production summary; coordinate with Planning & Engineering and Water Demand Divisions on Water Distribution System permitting.

Classification	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
Water Resources Manager	1	0	0	0
Senior Hydrogeologist	1	1	1	0
Hydrography Programs Coordinator	1	1	1	0
Associate Hydrogeologist	1	1	1	0
Hydrology Technician	0	1	1	0
Senior Fisheries Biologist	1	1	1	0
Associate Fisheries Biologist	1	1	1	0
Associate Fisheries Biologist	1	1	1	0
Water Resources Assistant (limited term)	0.5	0.5	0.5	0
<b>TOTAL POSITIONS</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>	<b>0</b>
<b>TOTAL DISTRICT-WIDE POSITIONS</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>0</b>

Monterey Peninsula Water Management District  
Divisions  
Fiscal Year 2017-2018 Budget

**Water Resources**

	FY 2015-16 Revised	FY 2016-17 Revised	FY 2017-18 Proposed	FY 2017-18 Change
<u>Personnel</u>				
Salaries	\$659,800	\$655,900	\$690,100	\$34,200
Retirement	112,500	121,200	132,700	11,500
Unemployment Compensation	0	0	0	-
Auto Allowance	0	0	0	-
Deferred Compensation	0	0	0	-
Temporary Personnel	0	0	0	-
Workers' Comp.	23,900	24,900	26,000	1,100
Employee Insurance	95,200	96,900	99,000	2,100
Medicare & FICA Taxes	11,100	12,100	12,700	600
Personnel Recruitment	0	0	0	-
Pre-Employment Physicals	0	0	0	-
Staff Development	4,400	4,600	5,000	400
<b>Sub-total Personnel Costs</b>	<b>906,900</b>	<b>915,600</b>	<b>965,500</b>	<b>49,900</b>
<u>Services &amp; Supplies</u>				
Services & Supplies	30,000	33,200	31,400	(1,800)
Fixed Assets	23,700	0	0	-
Project Expenditures	1,193,400	2,084,100	2,980,000	895,900
Debt Service	0	0	0	-
Election Expense	0	0	0	-
Contingency	0	0	0	-
<b>Sub-total</b>	<b>1,247,100</b>	<b>2,117,300</b>	<b>3,011,400</b>	<b>894,100</b>
<b>TOTAL EXPENDITURES</b>	<b>2,154,000</b>	<b>3,032,900</b>	<b>3,976,900</b>	<b>993,900</b>



**BUDGET PROCESS CALENDAR**

**FISCAL YEAR 2017-2018**

<i>2017 Target Dates</i>	<i>Action</i>	<i>Responsibility</i>
<b>April 20</b>	Budget Memorandum and Forms Distributed	Administrative Services
<b>April 28</b>	Budget Request Forms Due to ASD	Division Managers
<b>May 3</b>	Budget Review Session	Team Management
<b>May 5</b>	Budget Review Session – Follow Up	Team Management
<b>May 5</b>	Draft Budget Distributed	Administrative Services
<b>May 15</b>	Proposed Budget Presented to Board	Board of Directors
<b>June 19</b>	Board Adopts Budget Board Sets Appropriation Limit	Board of Directors



# Glossary

**Article XIII (B):**

Article XIII (B) is a section of the California State Constitution relating to the amount of a public entities tax revenues that may be expended in a given fiscal year. In the instance of the MPWMD, the article limits the amount of property tax revenue that may be spent in a fiscal year. It is calculated based upon the prior year's limit multiplied by a factor representing annual growth in population and consumer prices. The latter is furnished by the State Treasurer's Office. The calculation, required since the passage of Proposition 13 in 1978, is contained in each District budget and is identified as "Property Tax Appropriation."

**Budget Assumptions:**

The budget assumptions are generally accepted statements, which if untrue, would materially alter the financial planning and budget of the agency.

**Capital Assets:**

Capital assets are equipment and components that have a useful life greater than one year and with an initial, individual cost of more than \$1,000 for equipment and \$5,000 for facilities and improvements.

**Contingency:**

The contingency is a nominal amount budgeted for expenditure for unforeseen emergencies or special purposes requiring Board approval.

**Designated Reserves:**

Designated reserves are funds set aside by the Board for specific, restricted uses. Examples include capital equipment, litigation, flood/drought, and pre-paid expenses.

**Expenditures:**

Expenditures are associated with each operating fund, as well with each program category. Personnel costs, services and supplies, capital assets and project expenditures are the principal categories. A pie chart graphically shows percentages of expenditures by line item.

**Fiscal Year:**

The fiscal year is the twelve-month period beginning July 1 and ending June 30 of the following year. The District uses the fiscal year as the basis for reporting financial information a twelve-month accounting period.

**General Operating Reserves:**

General operating reserves are the balances in each operating fund of the District that remain after all budgeted expenses are paid. Normally, the general operating reserve balance is carried forward from one fiscal year to the next. The value is verified annually by the independent auditor and reported in the annual audit report.

**Labor Allocation by Operating Funds:**

The Labor Allocation by Operating Funds is a budget schedule that relates employee output to the three operating funds. It shows the output of each employee as a percentage of total time by

operating fund. This percentage is used throughout the budget as the basis of allocating general and administrative (overhead) costs to the operating funds.

**Labor Allocation by Program Category:**

The Labor Allocation by Program Category is a budget schedule that relates employee output to the budgeted program categories. It shows the output of each employee as a percentage of total time by program category. This percentage is used throughout the budget as the basis of allocating general and administrative (overhead) costs to the program categories.

**Mitigation Revenue:**

This is the revenue derived from the Agreement for Carmel River Mitigation Program between California American Water and Monterey Peninsula Water Management District.

**Program Categories:**

Program Categories are major service programs that have been identified. All expenditures, including labor costs, are allocated to each program category in order to identify what each program actually costs.

**Project Expenditures:**

The Summary of Project Expenditures is a listing of costs for the coming year that are projected as a result of specific projects and programs carried-out by the staff, consultants and contractors. Project expenditures do not include staff compensation for regular employees.

**Reimbursement Revenues:**

Reimbursement revenues are received from various sources and allocated to offset expenditures related to the revenue source. These reimbursements received by the District are for projects carried-out by the District. Some of these reimbursements include grants, Cal-Am Water Conservation & Rebate Program funds, ASR operations reimbursement, direct-billed reimbursements, etc. All of the reimbursement revenues collected within the fiscal year is related to the expenses in the same fiscal year.

**Revenues:**

Revenues are derived from various sources and allocated to each operating fund. Property taxes, permits fees, water connection charges, water supply charge, mitigation program revenue, user fees, interest on investments, reimbursements to the District for projects carried-out by the District and grants are the principal revenue sources. Revenues may include a portion of the prior-year fund balance used to offset expenditures. A pie chart graphically shows percentages of revenues according to source.

**User Fees:**

The User Fee is a percentage of Cal-Am ratepayers water bill that is collected and remitted by Cal-Am monthly. The proceeds of the User Fee have been used to support the District's environmental mitigation, conservation and rationing, water supply, and any other purposes.

**Water Supply Charge:**

The Water Supply Charge is a rate or charge that funds costs related to the provision of water. This annual charge raised by the District, 100% of which will support District water supply activities, including capital acquisition and operational costs for Aquifer Storage and Recovery, Groundwater Replenishment, and related water supply purposes for the general benefit of the District as a whole.

**ITEM: INFORMATIONAL ITEMS/STAFF REPORTS**

**30. LETTERS RECEIVED**

**Meeting Date:** June 19, 2017 **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 May 9, 2017 and June 12, 2017 is shown below. The purpose of including a list of these letters in the Board packet is to inform the Board and interested citizens. Copies of the letters are available for public review at the District office. If a member of the public would like to receive a copy of any letter listed, please contact the District office. Reproduction costs will be charged. The letters can also be downloaded from the District's web site at [www.mpwmd.net](http://www.mpwmd.net).

<b>Author</b>	<b>Addressee</b>	<b>Date</b>	<b>Topic</b>
Gail T Borkowski	Arlene Tavani	5/5/2017	Monterey County City Selection Committee Appointment to the MPWMD
California American Water	MPWMD	5/16/2017	Important Notice Regarding Your Water Rates





**ITEM: INFORMATIONAL ITEMS/STAFF REPORTS****31. COMMITTEE REPORTS**

**Meeting Date:** June 19, 2017 **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.**

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Attached for your review as **Exhibits 31-A** and **31-B** are final minutes of the committee meetings listed below.

**EXHIBIT**

**31-A** Final Minutes of May 8, 2017 Administrative Committee Meeting

**31-B** Final Minutes of March 15, 2017 Ordinance No. 152 Oversight Panel Meeting





**EXHIBIT 31-A**

FINAL MINUTES

**Monterey Peninsula Water Management District  
Administrative Committee  
May 8, 2017**

**Call to Order**

The meeting was called to order at 3:36 PM in the District Conference Room.

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

Committee members absent: None

Staff present: David Stoldt, General Manager  
Suresh Prasad, Administrative Services Manager/CFO  
Stephanie Kister, Conservation Analyst  
Sara Reyes, Office Services Supervisor

**Oral Communications**

None

**Items on Board Agenda for May 15, 2017**

**1. Consider Adoption of Minutes of April 10, 2017 Committee Meeting**

On a motion by Clarke and second by Lewis, the minutes of the April 10, 2017 meeting were approved on a vote of 2 to 0 by Clarke, and Lewis. Director Evans abstained from voting since she was not in attendance at the April 10, 2017 meeting.

**2. Consider Contract with CSUMB for Bathymetric Survey at Los Padres Dam**

On a motion by Clarke and second by Evans, the committee recommended that the Board of Directors authorize the General Manger to enter into an agreement with University Foundation for a not-to-exceed amount of \$16,000 with a contingency funding of \$4,000for unforeseen conditions. The motion was approved on a vote of 3 – 0 by Clarke, Evans and Lewis.

**3. Consider Authorizing a Contract Amendment with Denise Duffy & Associates, Inc. for Services Related to the Monterey Pipeline**

On a motion by Clarke and second by Evans, the committee recommended that the Board authorize the General Manager to amend the contract amount with Denise Duffy & Associates, Inc. for environmental services related to the Monterey Pipeline, increasing the not-to-exceed amount by \$9,000. The motion was adopted on a vote of 3 – 0 by Clarke, Evans and Lewis.

**4. Declaration of Surplus Assets**

On a motion by Evans and second by Clarke, the committee recommended the Board declare the items considered as surplus assets to be either donated or disposed at the Monterey Regional Waste Management District.

**5. Consider Converting the Office Specialist II Position to Accounting/Office Specialist and Title Change of Office Services Supervisor to Senior Office Specialist**

On a motion by Evans and second by Clarke, the committee recommended the Board authorize the conversion of the Office Specialist II position to Accounting/Office Specialist and associated salary range, and change title of Office Support Supervisor to Senior Office Specialist. The motion was adopted on a vote of 3 – 0 by Evans, Clarke and Lewis.

**6. Consider Request for Rebate at the Asilomar Conference Grounds for a Laundry Water Recycling System**

On a motion by Evans and second by Clarke, the committee recommended the Board approve a rebate for \$20,000 for WaterCity and recommend to the Board that the recommended Laundry Water Recycling rebate be granted. The motion was adopted on a vote of 3 – 0 by Evans, Clarke and Lewis.

**7. Consider Adoption of Treasurer’s Report for March 2017**

On a motion by Evans and second by Clarke, the committee recommended that the Board of Directors adopt the March 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, Pendergrass and Lewis.

**8. Receive and File Third Quarter Financial Activity Report for Fiscal Year 2016-17**

On a motion by Clarke and second by Evans, the committee recommended the Board receive and file the Third Quarter Financial Activity Report for Fiscal Year 2016-17. The motion was adopted on a vote of 3 – 0 by Clarke, Evans and Lewis.

**9. Consider Approval of Third Quarter Fiscal Year 2016-17 Investment Report**

On a motion by Evans and second by Clarke, the committee recommended the Board approve the Third Quarter Fiscal Year 2016-2017 Investment Report. The motion was adopted on a vote of 3 – 0 by Evans, Clarke and Lewis.

**Other Business****10. Review Third Quarter Legal Services Activity Report for Fiscal Year 2016-17**

This item was presented for informational purposes only. No action was taken by the committee.

**11. Review Draft May 15, 2017 Board Meeting Agenda**

The committee reviewed the agenda and made no changes.

**Adjournment**

The meeting was adjourned at 4:20 PM.



## FINAL MINUTES

### Ordinance No. 152 Oversight Panel of the Monterey Peninsula Water Management District March 15, 2017

**Call to Order** The meeting was called to order at 10:30 am in the conference room at the offices of the Monterey Peninsula Water Management District.

**Committee members present:**

John Bottomley  
Paul Bruno  
Jason Campbell  
Todd Kruper  
Christine Monteith  
George Riley  
John Tilley

**MPWMD Staff members present:**

David J. Stoldt, General Manager  
Suresh Prasad, Administrative Services Manager  
Arlene Tavani, Executive Assistant

**District Counsel Present:**

David Laredo

**Comments from the Public:**

No comments were directed to the committee.

**Action Items**

**1. Consider Adoption of Minutes of October 31, 2016 Committee Meeting**

On a motion by Riley and second of Kruper, the minutes were approved on a vote of 7 – 0 by Riley, Kruper, Bottomley, Bruno, Campbell, Monteith and Tilley.

**Discussion Items**

**2. Review of Revenue and Expenditures of Water Supply Charge Related to Water Supply Activities**

Suresh Prasad, Administrative Services Manager/Chief Financial Officer, reviewed Exhibit 2-A, Water Supply Charge Receipts. Stoldt explained that expansions to the California American Water (Cal-Am) distribution system could increase Water Supply Charge receipts. Cal-Am plans to connect the Hidden Hills and Bishop water satellite systems to its distribution system. If those properties were not included in the area responsible to pay the Water Supply Charge, a Proposition 218 process must be completed in those areas in order to collect the charge. At the next meeting an update on this issue will be presented.

Prasad reviewed Exhibit 2-B, Water Supply Charge Availability Analysis. He explained that in the sixth column, FY 2016-2017 through 12/31/2016, the ending fund balance of \$1,850,177 reflects a \$1 million carryover from the previous year budget. Prasad noted that \$800,000 in additional costs for Pure Water Monterey (PWM) have been incurred

and will be reflected in the end-of-year fund totals.

Stoldt was asked to describe the Drought Contingency Plan listed under Project Expenditures. He explained that the Drought Contingency Plan is funded under a federally matched program through the United States Bureau of Reclamation. Development of the plan includes participation by the Monterey Regional Water Pollution Control Agency, Monterey County Water Resources Agency and the Marina Coast Water District. The Plan focuses on policies and projects that would increase resiliency in a drought. Completion is critical to the PWM project. The cost to the Water District will be \$230,000 over 2.5 years, and the Bureau's portion will be \$200,000. The Salinas Carmel River Basin Study is another federally matched effort underway. The study incorporates the United States Geological Survey 100 year climate change model, and will be used to analyze future water needs based on weather patterns, future demand and water storage. It is expected that federal funding will be available in the future to complete the study, because amounts have been authorized and appropriated, despite that the new federal administration discounts climate change. This study must be completed in order for the District to be eligible to apply for federal funds in the future.

Stoldt was asked about the status of funding for PWM. He explained that a California state revolving fund loan should be issued in May 2017 for the project. Pre-construction costs and construction costs incurred after March 9, 2017 could be paid from the loan. However, if the project cost is higher than approved by the California Public Utilities Commission, the Water District may not be fully reimbursed for the pre-construction costs. To date, the Water District has borrowed from its internal funds to cover PWM expenditures. If revolving loan proceeds cannot be used, one option would be to utilize the Water Supply Charge to reimburse those internal funds.

In regards to the future of the Water Supply Charge, Stoldt stated that it is security for the Rabobank loan; therefore, the charge should not be sunset until that loan is paid off. The Water Supply Charge is also needed to pay Aquifer Storage and Recovery (ASR) project expansion costs. The user fee was originally used to pay for ASR expansion, but after the Water District was denied the user fee, money was borrowed from other internal funds to cover the cost. Those costs could be reimbursed from the Water Supply Charge. It could also be used to pre-fund the Rabobank loan. Now that the Water District is again able to collect the user fee, it will take a year to determine how much money will be received. After another year, the Board of Directors could determine the future of the Water Supply Charge. Water District Counsel explained that an alternative to ending the Water Supply Charge would be to suspend it for a period of time and then resume collection at a later date. Some committee members expressed the opinion that payment of the Rabobank loan should be a priority.

The committee asked about funding for water supply alternatives, should Cal-Am's desalination project be delayed or not approved. Some of the comments were: (a) If the Los Padres Dam and Reservoir was dredged to create additional storage, there may be no need for a desalination project. (b) The Water District could purchase Rana Creek Ranch in Carmel Valley; it is geologically separate from the Carmel River basin. The ASR project could be enlarged to utilize that area for storage. Stoldt responded that production from ASR would be limited by Cal-Am's well capacity and water treatment

capacity. He stated that the Water District is reviewing increasing ASR capacity through utilization of the Tularcitos Aquifer for storage. The Water District has also developed preliminary costs related to the DeepWater Desal project. District Counsel noted that the Water District does have a water right on the Carmel River that could be used if additional storage was created

**Other Items****3. Update on District User Fee and CPUC**

Stoldt reviewed a PowerPoint that can be viewed on the Water District website. One comment from the committee was that there may be opposition to the idea of suspension and later resumption of the Water Supply Charge.

**4. Water Supply Project Update**

Stoldt reviewed a PowerPoint that can be viewed on the Water District website. The committee asked about the possibility of using the Water District's existing water right on the Carmel River. Stoldt explained that the 16,000 acre feet of water rights could be lost in 2020 if a location for storage is not developed. Some options would be ASR expansion, dredging the Los Padres Reservoir, or installation of a rubber dam. It will not be possible to obtain new permits for the previously planned New Los Padres Dam and Reservoir due to concerns about steelhead passage to the ocean.

**Adjourn:** The meeting was adjourned at 12:24 pm.





**ITEM: INFORMATIONAL ITEM/STAFF REPORTS****32. MONTHLY ALLOCATION REPORT**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program:</b>	<b>N/A</b>
		<b>Line Item No.:</b>	
<b>Prepared By:</b>	<b>Gabriela Ayala</b>	<b>Cost Estimate:</b>	<b>N/A</b>

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

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**SUMMARY:** As of May 31, 2017, a total of **25.348** acre-feet (**7.4%**) of the Paralta Well Allocation remained available for use by the Jurisdictions. Pre-Paralta water in the amount of **35.913** acre-feet is available to the Jurisdictions, and **29.048** acre-feet is available as public water credits.

**Exhibit 32-A** shows the amount of water allocated to each Jurisdiction from the Paralta Well Allocation, the quantities permitted in May 2017 (“changes”), and the quantities remaining. The Paralta Allocation had one debit in May 2017.

**Exhibit 32-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 32-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.

**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 32-C**.

**EXHIBITS****32-A** Monthly Allocation Report**32-B** Monthly Entitlement Report**32-C** District’s Water Allocation Program Ordinances



**EXHIBIT 32-A**  
**MONTHLY ALLOCATION REPORT**  
**Reported in Acre-Feet**  
**For the month of May 2017**

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	0.203	50.659	0.000	0.030	38.121	0.080	2.325	2.558
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	0.012	15.874	0.000	0.133	0.145
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	0.604	7.834	34.438	0.000	34.438	2.693	0.000	1.144	43.416
<b>TOTALS</b>	<b>342.720</b>	<b>0.604</b>	<b>25.348</b>	<b>101.946</b>	<b>0.000</b>	<b>35.913</b>	<b>90.142</b>	<b>0.000</b>	<b>29.048</b>	<b>90.309</b>

Allocation Holder	Water Available	Changes this Month	Total Demand from Water Permits Issued	Remaining Water Available
Quail Meadows	33.000	0.000	32.320	0.680
Water West	12.760	0.000	9.207	3.553

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



**EXHIBIT 32-B**  
**MONTHLY ALLOCATION REPORT**  
**ENTITLEMENTS**  
**Reported in Acre-Feet**  
**For the month of May 2017**

**Recycled Water Project Entitlements**

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
<b>Pebble Beach Co. <sup>1</sup></b>	233.93	1.010	26.029	207.901
<b>Del Monte Forest Benefited Properties <sup>2</sup></b> (Pursuant to Ord No. 109)	131.070	0.374	46.888	84.182
<b>Macomber Estates</b>	10.000	0.000	9.595	0.405
<b>Griffin Trust</b>	5.000	0.000	4.829	0.171
<b>CAWD/PBCSD Project Totals</b>	<b>380.000</b>	<b>1.384</b>	<b>87.341</b>	<b>292.659</b>

Entitlement Holder	Entitlement	Changes this Month	Total Demand from Water Permits Issued	Remaining Entitlement/and Water Use Permits Available
<b>City of Sand City</b>	165.000	0.688	4.232	160.768
<b>Malpaso Water Company</b>	80.000	0.121	2.931	77.069
<b>D.B.O. Development No. 30</b>	13.95	0.000	0.000	13.95
<b>City of Pacific Grove</b>	66.000	0.000	0.000	66.000
<b>Cypress Pacific</b>	3.170	0.000	0.000	3.170

Increases in the Del Monte Forest Benefited Properties Entitlement will result in reductions in the Pebble Beach Co. Entitlement.



## EXHIBIT 32-C

### **District's Water Allocation Program Ordinances**

**Ordinance No. 1** was adopted in September 1980 to establish interim municipal water allocations based on existing water use by the jurisdictions. Resolution 81-7 was adopted in April 1981 to modify the interim allocations and incorporate projected water demands through the year 2000. Under the 1981 allocation, Cal-Am's annual production limit was set at 20,000 acre-feet.

**Ordinance No. 52** was adopted in December 1990 to implement the District's water allocation program, modify the resource system supply limit, and to temporarily limit new uses of water. As a result of Ordinance No. 52, a moratorium on the issuance of most water permits within the District was established. Adoption of Ordinance No. 52 reduced Cal-Am's annual production limit to 16,744 acre-feet.

**Ordinance No. 70** was adopted in June 1993 to modify the resource system supply limit, establish a water allocation for each of the jurisdictions within the District, and end the moratorium on the issuance of water permits. Adoption of Ordinance No. 70 was based on development of the Paralta Well in the Seaside Groundwater Basin and increased Cal-Am's annual production limit to **17,619** acre-feet. More specifically, Ordinance No. 70 allocated 308 acre-feet of water to the jurisdictions and 50 acre-feet to a District Reserve for regional projects with public benefit.

**Ordinance No. 73** was adopted in February 1995 to eliminate the District Reserve and allocate the remaining water equally among the eight jurisdictions. Of the original 50 acre-feet that was allocated to the District Reserve, 34.72 acre-feet remained and was distributed equally (4.34 acre-feet) among the jurisdictions.

**Ordinance No. 74** was adopted in March 1995 to allow the reinvestment of toilet retrofit water savings on single-family residential properties. The reinvested retrofit credits must be repaid by the jurisdiction from the next available water allocation and are limited to a maximum of 10 acre-feet. This ordinance sunset in July 1998.

**Ordinance No. 75** was adopted in March 1995 to allow the reinvestment of water saved through toilet retrofits and other permanent water savings methods at publicly owned and operated facilities. Fifteen percent of the savings are set aside to meet the District's long-term water conservation goal and the remainder of the savings are credited to the jurisdictions allocation. This ordinance sunset in July 1998.

**Ordinance No. 83** was adopted in April 1996 and set Cal-Am's annual production limit at **17,621** acre-feet and the non-Cal-Am annual production limit at **3,046** acre-feet. The modifications to the production limit were made based on the agreement by non-Cal-Am water users to permanently reduce annual water production from the Carmel Valley Alluvial Aquifer in exchange for water service from Cal-Am. As part of the agreement, fifteen percent of the historical non-Cal-Am production was set aside to meet the District's long-term water conservation goal.

**Ordinance No. 87** was adopted in February 1997 as an urgency ordinance establishing a community benefit allocation for the planned expansion of the Community Hospital of the Monterey Peninsula (CHOMP). Specifically, a special reserve allocation of 19.60 acre-feet of production was created exclusively for the benefit of CHOMP. With this new allocation, Cal-Am's annual production limit was increased to **17,641** acre-feet and the non-Cal-Am annual production limit remained at **3,046** acre-feet.

**Ordinance No. 90** was adopted in June 1998 to continue the program allowing the reinvestment of toilet retrofit water savings on single-family residential properties for 90-days following the expiration of Ordinance No. 74. This ordinance sunset in September 1998.

**Ordinance No. 91** was adopted in June 1998 to continue the program allowing the reinvestment of water saved through toilet retrofits and other permanent water savings methods at publicly owned and operated facilities.

**Ordinance No. 90 and No. 91** were challenged for compliance with CEQA and nullified by the Monterey Superior Court in December 1998.

**Ordinance No. 109** was adopted on May 27, 2004, revised Rule 23.5 and adopted additional provisions to facilitate the financing and expansion of the CAWD/PBCSD Recycled Water Project.

**Ordinance No. 132** was adopted on January 24, 2008, established a Water Entitlement for Sand City and amended the rules to reflect the process for issuing Water Use Permits.

**Ordinance No. 165** was adopted on August 17, 2015, established a Water Entitlement for Malpas Water Company and amended the rules to reflect the process for issuing Water Use Permits.

**Ordinance No. 166** was adopted on December 15, 2015, established a Water Entitlement for D.B.O. Development No. 30.

**Ordinance No. 168** was adopted on January 27, 2016, established a Water Entitlement for the City of Pacific Grove.



**ITEM: INFORMATIONAL ITEM/STAFF REPORTS****33. WATER CONSERVATION PROGRAM REPORT**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Kyle Smith</b>	<b>Cost Estimate:</b>	<b>N/A</b>

**Committee Recommendation:** N/A

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

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**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 **135** property transfers that occurred in May 2017 were added to the database.

**B. Certification**

The District received **39** WCCs between May 1, 2017, and May 31, 2017. Data on ownership, transfer date, and status of water efficiency standard compliance were entered into the database.

**C. Verification**

In May, **84** properties were verified compliant with Rule 144 (Retrofit Upon Change of Ownership or Use). Of the **84** verifications, **56** properties verified compliance by submitting certification forms and/or receipts. District staff completed **46** Site inspections. Of the **46** properties inspected, **28 (61%)** 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 May 2017 are estimated at **0.500** acre-feet annually (AFA). Water savings from retrofits that exceeded the requirement (i.e., HETs to Ultra High Efficiency Toilets) is estimated at **0.440** AFA (27 toilets). Year-to-date estimated savings from toilet retrofits is **7.020** 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 **29** inspections. Of the **29** inspections certified, **21 (75%)** were in compliance. **Two** 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 May 2017, MPWMD referred **three** 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 [www.mpwmd.net](http://www.mpwmd.net) or [www.montereywaterinfo.org](http://www.montereywaterinfo.org). There were **11** 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 **87** Water Permits in May 2017. **Eight** Water Permits were issued using Water Entitlements (Pebble Beach Company, Malpas Water, etc.). **No** Water Permits involved a debit to a Public Water Credit Account.

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 **87** Water Permits issued in May, **four** were issued under this provision.

#### B. Permit Compliance

District staff completed **94** Water Permit final inspections during May 2017. **Seven** of the final inspections failed due to unpermitted fixtures. Of the **71** passing properties, **57** passed inspection on the first visit. In addition, **seven** pre-inspections 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 May, the District prepared **66** deed restrictions. Of the **87** Water Permits issued in May, **44 (51%)** required deed restrictions. District staff provided Notary services for **62** 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.

REBATE PROGRAM SUMMARY		May-2017				2017 YTD	1997 - Present	
		Number of devices	Rebate Paid	Estimated AF	Gallons Saved	YTD Quantity	YTD Paid	YTD Est AF
<b>I. Application Summary</b>								
A.	Applications Received	208				716	23,627	
B.	Applications Approved	164				572	18,529	
C.	Single Family Applications	194				666	21,331	
D.	Multi-Family Applications	10				38	1,186	
E.	Non-Residential Applications	4				12	311	
<b>II. Type of Devices Rebated</b>								
A.	High Efficiency Toilet (HET)	25	2435.66	1.043700	340,091	92	9,086.66	3.840816
B.	Ultra Low Flush to HET	65	6430.06	0.650000	211,803	208	20,487.45	2.08
C.	Ultra HET	0	0.00	0.000000	0	14	2,052.59	0.14
D.	Toilet Flapper	2	30.00	0.000000	0	2	30.00	0
E.	High Efficiency Dishwasher	26	3250.00	0.078000	25,416	87	10,875.00	0.261
F.	High Efficiency Clothes Washer	61	30448.50	0.982100	320,018	210	104,534.00	3.381
G.	Instant-Access Hot Water System	0	0.00	0.000000	0	5	1,000.00	0
H.	On Demand Systems	0	0.00	0.000000	0	1	100.00	0
I.	Zero Use Urinals	0	0.00	0.000000	0	0	0.00	0
J.	High Efficiency Urinals	0	0.00	0.000000	0	0	0.00	0
K.	Pint Urinals	0	0.00	0.000000	0	0	0.00	0
L.	Cisterns	3	6737.50	0.000000	0	16	14,303.75	0
M.	Smart Controllers	1	140.00	0.000000	0	1	140.00	0
N.	Rotating Sprinkler Nozzles	0	0.00	0.000000	0	0	0.00	0
O.	Moisture Sensors	0	0.00	0.000000	0	0	0.00	0
P.	Lawn Removal & Replacement	0	0.00	0.000000	0	4	59,832.00	4.906224
Q.	Graywater	1	20000.00	0.000000	0	1	20,000.00	0
R.	Ice Machines	0	0.00	0.000000	0	0	0.00	0
<b>III. Totals: Month; AF; Gallons; YTD</b>		184	69471.72	2.753800	897,328	641	242,441.45	14.60904
						2017 YTD	1997 - Present	
<b>IV. Total Rebated: YTD; Program</b>						242,441.45	5,673,973.04	
<b>V. Estimated Water Savings in Acre-Feet Annually*</b>						14.609040	528.227911	
* Retrofit savings are estimated at 0.041748 AF/HET; 0.01 AF/UHET; 0.01 AF/ULF to HET; 0.003 AF/dishwasher; 0.0161 AF/residential washer; 0.0082 AF/100 square feet of lawn removal.								



**ITEM: INFORMATIONAL ITEMS/STAFF REPORTS****34. CARMEL RIVER FISHERY REPORT FOR MAY 2017**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Beverly Chaney</b>	<b>Cost Estimate:</b>	<b>N/A</b>

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

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**AQUATIC HABITAT AND FLOW CONDITIONS:** Unseasonably high river flows continued in May keeping conditions in the Carmel River good to excellent for adult and smolt out-migration and excellent for young-of-the-year (fry) rearing.

Mean daily streamflow at the Sleepy Hollow Weir ranged from 77 to 158 cfs (monthly mean 109 cfs) resulting in 6,690 acre-feet (AF) of runoff. Mean daily streamflow at Highway 1 gage ranged from 81 to 168 cfs (monthly mean 113 cfs), resulting in 6,930 AF of runoff.

There were 0.05 inches of rainfall in May as recorded at Cal-Am's San Clemente gauge. The rainfall total for WY 2017 (which started on October 1, 2016) is 32.19 inches, or 155% of the long-term year-to-date average of 20.82 inches.

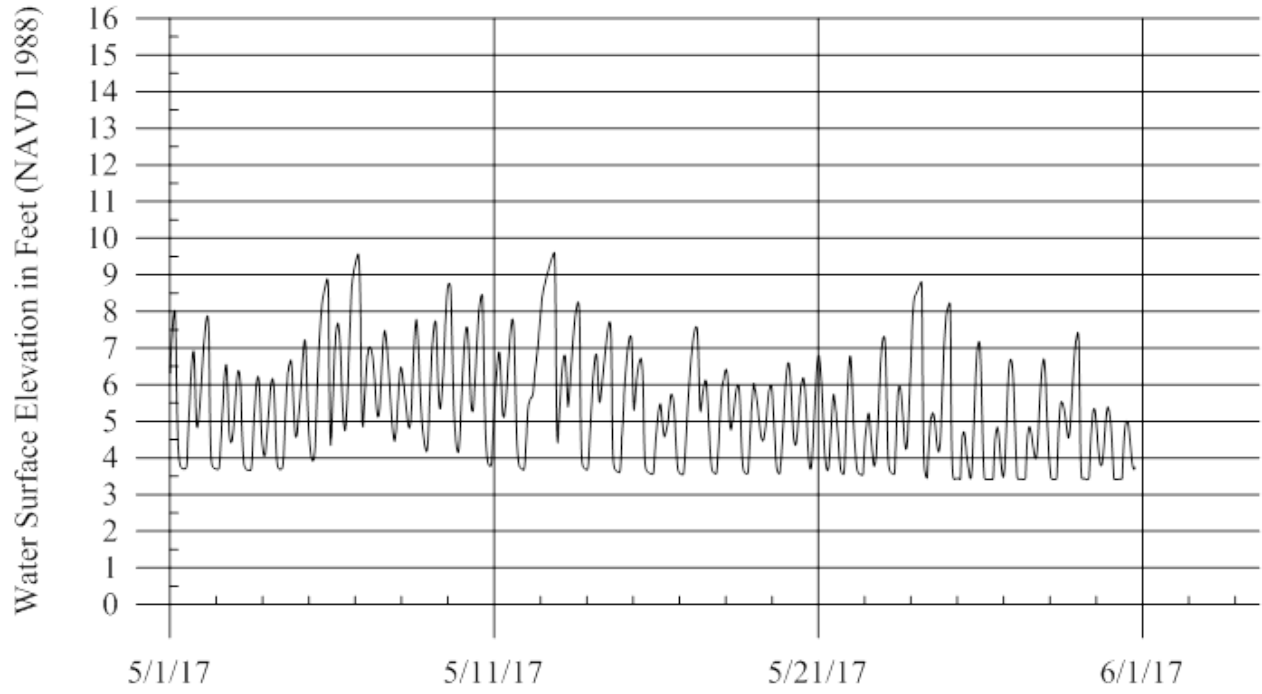
**CARMEL RIVER LAGOON:** During May the water surface elevation (WSE) fluctuated with the tides, ranging from approximately 3.5 – 9.5 feet above mean-sea-level (see graph below).

Water-quality profiles were conducted at five lagoon sites on May 25th. Conditions for steelhead were "good" in the main river channel of the lagoon and "fair" in the north and south arms, with low to moderate salinity (1-11 ppt), and moderate dissolved oxygen (DO) levels (5-10 mg/l) and water temperatures (60-69) degrees Fahrenheit).

**LOS PADRES DAM ADULT COUNTS:** Cal-Am began their adult steelhead trap and truck operations at LPD on December 19, 2016. The first ocean-run adult steelhead since 2013 were trapped and transported above the dam on February 2, 2017. By the end of May, a total of seven ocean-run steelhead and 36 resident fish (<16", non-ocean run) had been trapped and transported.

**SUMMER STEELHEAD RESCUES:** Staff conducted rescues in three tributaries (Potrero, Robinson Canyon, and Hitchcock Creeks) as they began to dry back. All fish were released into the Carmel River at the tributary's confluence. As of the end of May, a total of 1,958 fish have been rescued (1,939 YOY, seven 1+ year olds, and 12 mortis).

### Carmel River Lagoon May 2017



**ITEM: INFORMATIONAL ITEMS/STAFF REPORT****35. MONTHLY WATER SUPPLY AND CALIFORNIA AMERICAN WATER PRODUCTION REPORT**

<b>Meeting Date:</b>	<b>June 19, 2017</b>	<b>Budgeted:</b>	<b>N/A</b>
<b>From:</b>	<b>David J. Stoldt, General Manager</b>	<b>Program/ Line Item No.:</b>	<b>N/A</b>
<b>Prepared By:</b>	<b>Jonathan Lear</b>	<b>Cost Estimate:</b>	<b>N/A</b>

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

**Exhibit 35-A** shows the water supply status for the Monterey Peninsula Water Resources System (MPWRS) as of **June 1, 2017**. 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 35-A** is for Water Year (WY) 2017 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 **May** 2017 totaled **0.05 inches** and brings the cumulative rainfall total for WY 2017 to **32.19 inches**, which is **155%** of the long-term average through **May**. Estimated unimpaired runoff during **May** totaled **6,732 acre-feet (AF)** and brings the cumulative runoff total for WY 2017 to **189,743 AF**, which is **293%** of the long-term average through **May**. Usable storage, which includes surface and groundwater, was **31,960** or **101%** of the long-term average at the end of **May**. This storage equates to **85%** 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 2017. Through **May**, using the CDO accounting method, Cal-Am has produced **4,272 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 2,251 AF of water from the Coastal Subareas and 48 AF from the Laguna Seca Subarea of the Seaside Basin in WY 2017. Through **May**, Cal-Am has produced **1,652 AF** from the Seaside Groundwater Basin. Through **May**, **2,345 AF** of Carmel River Basin groundwater have been diverted for Seaside Basin injection; **305 AF** have been recovered for customer use, and **491 AF** have been diverted under Table 13 water rights. Cal-Am has produced **5,856 AF** for customer use from all sources through **May**. The 12 month rolling average of production is **9,644 AF**, is below the rationing threshold of **10,609 AF**. A breakdown of Cal-Am's production for WY 2017 is included as **Exhibit 35-B**. **Exhibit 35-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.

**EXHIBITS****35-A** Water Supply Status: **May 1, 2017****35-B** Monthly Cal-Am Diversions from Carmel River and Seaside Groundwater Basins: WY 2017**35-C** Monthly Cal-Am production by source: WY 2017





**EXHIBIT 35-A**

Monterey Peninsula Water Management District Water Supply Status June 1, 2017				
Factor	Oct – May 2017	Average To Date	Percent of Average	Water Year 2016
<b>Rainfall</b> (Inches)	32.19	20.81	155%	22.25
<b>Runoff</b> (Acre-Feet)	189,743	64,800	293%	43,685
<b>Storage</b> (Acre-Feet)	31,960	31,530	101%	31,420

**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 1922-2016 and 1902-2016 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 1989-2016 period. The storage estimates are end-of-month values for the dates referenced in the table.
4. The maximum storage capacity for the MPWRS is currently 37,639 acre-feet.



## Production vs. CDO and Adjudication to Date: WY 2017

(All values in Acre-Feet)

Year-to-Date Values	MPWRS					Water Projects and Rights				MPWRS and Projects Total <sup>8</sup>
	Carmel River Basin <sup>2, 6</sup>	Seaside Groundwater Basin			MPWRS Total	ASR Recovery	Table 13 <sup>7</sup>	Sand City <sup>3</sup>	Water Projects and Rights Total	
		Coastal	Laguna Seca	Ajudication Compliance						
Target	4,404	1,100	28	1,128	<b>5,532</b>	300	491	200	<b>991</b>	<b>6,613</b>
Actual <sup>4</sup>	4,272	1,484	168	1,652	<b>5,924</b>	305	491	165	<b>961</b>	<b>6,395</b>
Difference	132	-384	-140	-524	-392	-5	0	35	<b>30</b>	<b>218</b>
WY 2016 Actual	5,297	830	182	1,013	<b>6,310</b>	0	137	83	<b>220</b>	<b>6,393</b>

1. This table is current through the date of this report.
2. For CDO compliance, ASR, Mal Paso, and Table 13 diversions are included in River production per State Board.
3. Sand City Desal, Table 13, and ASR recovery are also tracked as water resources projects.
4. To date, 2345 AF and 491 AF have been produced from the River for ASR and Table 13 respectively.
5. All values are rounded to the nearest Acre-Foot.
6. For CDO Tracking Purposes, ASR production for injection is capped at 600 AFY.
7. Table 13 diversions are reported under water rights but counted as production from the River for CDO tracking.
8. Actual total is the sum of MPWRS, ASR Recovery and Sand City Production. Table 13 is tracked as River production for CDO.

## Monthly Production from all Sources for Customer Service: WY 2017

(All values in Acre-Feet)

	Carmel River Basin	Seaside Basin	ASR Recovery	Table 13	Sand City	Mal Paso	Total
Oct-16	408	271	155	0	15	8	856
Nov-16	358	177	150	0	7	8	699
Dec-16	342	301	0	10	14	2	669
Jan-17	313	225	0	91	20	9	658
Feb-17	344	158	0	91	26	9	628
Mar-17	415	158	0	101	28	9	711
Apr-17	428	148	0	98	28	9	711
May-17	573	214	0	101	27	8	924
Jun-17							
Jul-17							
Aug-17							
Sep-17							
<b>Total</b>	<b>3,182</b>	<b>1,652</b>	<b>305</b>	<b>491</b>	<b>165</b>	<b>61</b>	<b>5,856</b>
<b>WY 2016</b>	<b>4,560</b>	<b>1,013</b>	<b>0</b>	<b>137</b>	<b>83</b>	<b>0</b>	<b>5,793</b>

1. This table is produced as a proxy for customer demand.
2. Numbers are provisional and are subject to correction.

## Rationing Trigger: WY 2017

12 Month Moving Average	9,644	10,609	Rule 160 Production Limit
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California American Water Production by Source: Water Year 2017

	Carmel Valley Wells <sup>1</sup>						Seaside Wells <sup>2</sup>						Total Wells			Sand City Desal		
	Actual		Anticipated <sup>3</sup>		Under Target		Actual		Anticipated		Under Target		Actual	Anticipated	Acre-Feet Under Target	Actual	Anticipated	Under Target
	Upper acre-feet	Lower acre-feet	Upper acre-feet	Lower acre-feet	Upper acre-feet	Lower acre-feet	Coastal acre-feet	LagunaSeca acre-feet	Coastal acre-feet	LagunaSeca acre-feet	Coastal acre-feet	LagunaSeca acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet
Oct-16	0	408	0	446	0	38	397	29	350	5	-47	-24	833	801	-32	15	25	10
Nov-16	0	358	0	281	0	-77	308	19	350	3	42	-16	685	634	-51	7	25	18
Dec-16	74	390	0	588	-74	198	283	19	100	3	-183	-16	765	691	-74	14	25	11
Jan-17	116	724	130	678	14	-46	209	16	100	3	-109	-13	1065	911	-154	20	25	5
Feb-17	93	747	130	563	37	-184	142	16	100	3	-42	-13	997	796	-201	26	25	-1
Mar-17	195	878	271	672	76	-206	138	20	100	3	-38	-17	1231	1,046	-185	28	25	-3
Apr-17	212	811	130	833	-82	22	128	20	100	4	-28	-16	1171	1,067	-104	28	25	-3
May-17	199	814	130	924	-69	110	184	29	125	4	-59	-25	1226	1,183	-43	27	25	-2
Jun-17																		
Jul-17																		
Aug-17																		
Sep-17																		
<b>To Date</b>	<b>889</b>	<b>5,129</b>	<b>791</b>	<b>4,985</b>	<b>-98</b>	<b>-144</b>	<b>1,789</b>	<b>168</b>	<b>1,325</b>	<b>28</b>	<b>-464</b>	<b>-140</b>	<b>7,974</b>	<b>7,129</b>	<b>-845</b>	<b>165</b>	<b>200</b>	<b>35</b>

Total Production: Water Year 2017

	Actual	Anticipated	Acre-Feet Under Target
Oct-16	848	826	-22
Nov-16	692	659	-33
Dec-16	780	716	-64
Jan-17	1,086	936	-150
Feb-17	1,023	821	-202
Mar-17	1,259	1,071	-188
Apr-17	1,199	1,092	-107
May-17	1,254	1,208	-46
Jun-17			
Jul-17			
Aug-17			
Sep-17			
<b>To Date</b>	<b>8,140</b>	<b>7,329</b>	<b>-811</b>

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 Ajudication 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.





# Supplement to 6/19/17 MPWMD Board Packet

Attached are copies of letters received between May 9, 2017 and June 12, 2017. These letters are listed in the June 19, 2017 Board packet under Letters Received.

<b>Author</b>	<b>Addressee</b>	<b>Date</b>	<b>Topic</b>
Gail T Borkowski	Arlene Tavani	5/5/2017	Monterey County City Selection Committee Appointment to the MPWMD
California American Water	MPWMD	5/16/2017	Important Notice Regarding Your Water Rates

file:///U:/staff/Boardpacket/2017/20170619/LetterPkt/LettersRecd.docx

# MONTEREY COUNTY



CLERK OF THE BOARD OF SUPERVISORS

GAIL T. BORKOWSKI

168 West Allsal Street, 1<sup>st</sup> Floor  
SALINAS, CA 93901  
P.O. Box 1728  
SALINAS, CA 93902  
(831) 755-5066, Fax: (831) 755-5888  
cob@co.monterey.ca.us

RECEIVED

MAY 12 2017

MPWMD

May 5, 2017

Arlene Tavani  
5 Harris Court, Bldg. G  
Monterey, CA 93942

Re: Monterey County City Selection Committee Appointment to the Monterey Peninsula Water Management District

Dear Ms. Tavani,

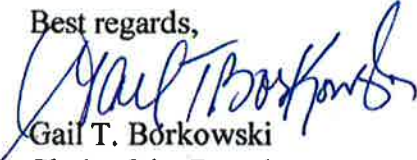
On Friday, May 5, 2017, the Monterey County City Selection Committee appointed Mayor Ralph Rubio to the Monterey Peninsula Water Management District, for term ending at the pleasure of the City Selection Committee.

Contact information for Mayor Rubio is as follows:

Mayor Ralph Rubio  
440 Harcourt Avenue  
Seaside, CA 93955  
831-899-6703  
rrubio@ci.seaside.ca.us

If you need further assistance, do not hesitate to contact me at (831) 755-5066.

Best regards,

  
Gail T. Borkowski  
Clerk of the Board  
Secretary to the City Selection Committee  
County of Monterey

Cc: Mayor Rubio  
CSC File



California American Water is required to file a cost of capital application every three years. The authorized cost of capital determines the amount of money California American Water is allowed to recuperate in rates as a return on the money it has invested. In this proceeding, the CPUC will determine a reasonable capital structure (financial plan), the costs of long-term debt (loans and financial obligations over one year), and an appropriate rate of return on common equity (profit for California American Water shareholders).

California American Water's proposal is summarized below:

Cost of Capital Proposal		
Cost Factor	Cost	Capital Structure
Long-Term Debt	5.63%	44.61%
Common Equity	10.80%	55.39%

That would result in a weighted average rate of return on rate base of 8.49%.



**CALIFORNIA  
AMERICAN WATER**

511 Forest Lodge Road, Suite 100  
Pacific Grove, CA 93950

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MT

**RECEIVED**

**MAY 16 2017**

**MPWMD**

Mpwm  
PO Box 85  
Monterey, CA 93942-0085



**IMPORTANT NOTICE  
REGARDING  
YOUR WATER RATES**

Para una versión en español de este aviso usted puede visitar nuestro sitio web en [www.californiaamwater.com](http://www.californiaamwater.com).

**NOTICE OF APPLICATION FILING REQUESTING A RATE INCREASE BY  
CALIFORNIA-AMERICAN WATER COMPANY FOR COST OF CAPITAL**

**MONTEREY COUNTY DISTRICT**

**Application No. 17-04-003**

<b>MONTEREY COUNTY DISTRICT</b>	Industrial	\$149,629	\$4,142	\$153,771	2.77%
	Public Authority	\$3,422,366	\$94,731	\$3,517,097	2.77%
	Sales for Resale	\$36,780	\$1,018	\$37,798	2.77%
	Construction	\$156,041	\$4,319	\$160,360	2.77%
	Golf Courses	\$312,227	\$8,642	\$320,869	2.77%
	Fire Service	\$659,716	\$18,261	\$677,977	2.77%
	<b>Total</b>	<b>\$65,430,547</b>	<b>\$1,811,110</b>	<b>\$67,241,657</b>	

<b>MONTEREY COUNTY DISTRICT - SUBSYSTEMS</b>	<b>Customer Class</b>	<b>Current Revenue</b>	<b>Increase (\$)</b>	<b>Proposed Revenue</b>	<b>Increase (%)</b>
	Residential	\$725,188	\$94,403	\$819,591	13.02%
	Commercial	\$18,155	\$2,363	\$20,518	13.02%
	Industrial	\$-	\$-	\$-	13.02%
	Public Authority	\$-	\$-	\$-	13.02%
	Fire Service	\$-	\$-	\$-	13.02%
	<b>Total</b>	<b>\$743,343</b>	<b>\$96,766</b>	<b>\$840,109</b>	

The table below shows the current and proposed rate impacts on the average Monterey County District residential customer with a standard (5/8 inch x 3/4 inch) meter. The figures in the tables exclude applicable taxes and surcharges. The impact on any particular customer's bill will depend on the customer's actual usage level and meter size.

<b>Average Residential Monthly Bill</b>					
<b>DISTRICT</b>	<b>Average Usage (ccf)</b>	<b>Current Bill</b>	<b>Increase (\$)</b>	<b>Proposed Bill</b>	<b>Increase (%)</b>
<b>Monterey County District</b>	5.6	\$58.07	\$1.61	\$59.68	2.77%
<b>Monterey County District - Subsystems</b>	15.23	\$89.53	\$11.65	\$101.18	13.02%

### Obtaining a Copy of the Application

The application and related exhibits may be reviewed at your local California American Water office located at 511 Forest Lodge Road, Suite 100, Pacific Grove, CA 93950. **If you need additional information, you may call California American Water at (888) 237-1333.**

The application may also be reviewed at the CPUC's Central Files Office in San Francisco by appointment. For more information, contact [aljcentralfilesid@cpuc.ca.gov](mailto:aljcentralfilesid@cpuc.ca.gov) or 1-415-703-2045.

### CPUC Process

This application will be assigned to an Administrative Law Judge (Judge) who will determine how to receive evidence and other related documents necessary for the CPUC to establish a record upon which to base its decision. Evidentiary Hearings (EHs) may be held where utilities, consumer advocacy groups, and other entities which have been given official status as parties will present their testimony and may be subject to cross-examination by other parties. These EHs are open to the public, but only those who are parties may participate. The hearings and documents submitted in the proceeding become part of the formal record. The Judge relies upon the formal record when writing a proposed decision to present to the Commissioners for their consideration.

After considering all proposals and all evidence presented during the formal hearing process, the assigned Judge will issue a proposed decision, determining whether to adopt California American Water's request, modify it, or deny it. Any CPUC Commissioner may sponsor an alternate decision. The proposed decision, and any alternate decisions, will be discussed and voted upon at a scheduled Commission Voting Meeting.

The Office of Ratepayer Advocates (ORA) may review this application. ORA is the independent consumer advocate within the CPUC with a legislative mandate to represent investor-owned utility customers to obtain the lowest possible rate for service consistent with reliable and safe service levels. ORA has a multi-disciplinary staff with expertise in economics, finance, accounting and engineering. For more information about ORA, please call 1-415-703-1584, email [ora@cpuc.ca.gov](mailto:ora@cpuc.ca.gov) or visit ORA's website at [www.ora.ca.gov](http://www.ora.ca.gov).

### Stay Informed

If you would like to follow this proceeding, or any other issue before the CPUC, you may use the CPUC's free subscription service. Sign up at <http://subscribecpuc.cpuc.ca.gov/>.

If you would like to learn how you can participate in the proceeding, have informal comments, or have questions about the CPUC processes, you may access the CPUC's Public Advisor's Office (PAO) webpage at <http://consumers.cpuc.ca.gov/pao/>. You may also contact the PAO as follows:

Write: CPUC Public Advisor's Office  
505 Van Ness Avenue  
San Francisco, CA 94102