

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

REGULAR MEETING OF THE BOARD OF DIRECTORS

Tuesday, September 13, 2016 - 7:00 p.m.

AGENDA

The Coastside County Water District (CCWD) does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet materials can be provided in a format to accommodate special needs. If you require a copy of the agenda or related materials in an alternative format to accommodate a disability, or if you wish to attend this public meeting and will require special assistance or other special equipment, please call the District at (650) 726-4405 in advance and we will make every reasonable attempt to provide such an accommodation.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the CCWD District Office, located at 766 Main Street, Half Moon Bay, CA at the same time that the public records are distributed or made available to the legislative body.

This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: www.coastsidewater.org.

The Board of the Coastside County Water District reserves the right to take action on any item included on this agenda.

- 1) ROLL CALL**

- 2) PLEDGE OF ALLEGIANCE**

- 3) PUBLIC COMMENT**

At this time members of the public may address the Board of Directors on issues not listed on the agenda which are within the purview of the Coastside County Water District. Comments on matters that are listed on the agenda may be made at the time the Board is considering each item. Each speaker is allowed a maximum of three (3) minutes and must complete and submit a speaker slip. The President of the Board will recognize each speaker, at which time the speaker should proceed to the podium, give their name and address and provide their comments to the Board.

4) **PUBLIC HEARING** ([attachment](#))

- **To allow community input on Coastside County Water District's**
 - (1) Water Shortage Contingency Plan**
 - (2) Water Conservation Act of 2009 - Senate Bill SBx7-7**
 - (3) Urban Water Management Plan**
 - A. Open Public Hearing
 - B. Staff Presentations of CCWD's 2015 Urban Water Management Plan
 - C. Public Comments
 - D. Close Public Hearing
 - E. Board Comments / Board Action
- **Consider concurrent adoption of the following Resolutions:**
 - (1) 2016-12 - Adopting an updated Water Shortage Contingency Plan**
 - (2) 2016-13 - Approving an updated baseline daily per capita use, an updated urban water use target and an updated interim water use target**
 - (3) 2016-14 - Adopting the 2015 Urban Water Management Plan**

5) **CONSENT CALENDAR**

The following matters before the Board of Directors are recommended for action as stated by the General Manager. All matters listed hereunder constitute a Consent Calendar, are considered as routine by the Board of Directors, and will be acted upon by a single vote of the Board. There will be no separate discussion of these items unless a member of the Board so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

- A. Approval of disbursements for the month ending August 31, 2016:
Claims: \$581,037.75; Payroll: \$90,857.58 for a total of \$671,895.33 ([attachment](#))
 - *August 2016 Monthly Financial Claims reviewed and approved by Director Feldman*
- B. Acceptance of Financial Reports ([attachment](#))
- C. Approval of Minutes of August 9, 2016 Special and Regular Board of Directors Meetings ([attachment](#))
- D. Monthly Water Transfer Report ([attachment](#))
- E. Installed Water Connection Capacity and Water Meters Report ([attachment](#))
- F. Total CCWD Production Report ([attachment](#))
- G. CCWD Monthly Sales by Category Report - August 2016 ([attachment](#))
- H. Monthly Emergency Main & Service Repairs Report and Water Line Flushing Report ([attachment](#))
- I. Rainfall Reports ([attachment](#))
- J. Acceptance of Subdivision Utility System - Ailanto Properties Pacific Ridge Subdivision - Phase I, Half Moon Bay ([attachment](#))
- K. S.F.P.U.C. Hydrological Report for the month of July ([attachment](#))
- L. S.F.P.U.C. Hydrological Report for the month of August ([attachment](#))

6) **MEETINGS ATTENDED / DIRECTOR COMMENTS**

7) GENERAL BUSINESS

- A. Possible Cancellation of October 11, 201 Regular Meeting of the Board of Directors
([attachment](#))

8) MONTHLY INFORMATIONAL REPORTS

- A. Operations Report ([attachment](#))

9) DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS

10) ADJOURNMENT

Staff Report

To: Coastside County Water District Board of Directors
via David Dickson, General Manager
From: Cathleen Brennan, Water Resources Analyst
Agenda: September 13, 2016

Date of Report: September 9, 2016

Subject: Adopting the 2015 Urban Water Management Plan which includes updated Urban Water Use Targets and Water Shortage Contingency Plan.

Attachments: Resolution 2016-12
Resolution 2016-13
Resolution 2016-14
[Link to DRAFT 2015 Urban Water Management Plan](#)

Recommendations:

Consider concurrently approving the following resolutions.

1. Resolution 2016-12; adopting an updated Water Shortage Contingency Plan.
2. Resolution 2016-13; approving an updated baseline daily per capita use, an updated urban water use target and an updated interim water use target.
3. Resolution 2016-14; adopting the 2015 Urban Water Management Plan.

Background

Urban Water Management Plans (UWMPs) are prepared by California's urban water suppliers to support their long-term resource planning and to ensure adequate water supplies are available to meet existing and future water demands. Every urban water supplier that either provides over 3,000 acre-feet of water annually or serves more than 3,000 or more connections is required to assess the reliability of its water sources over a 20-year planning horizon. This assessment, among others, is to be included in its Urban Water Management Plan, which are to be prepared every 5 years and submitted to the Department of Water Resources. The Department of Water Resources (DWR) then reviews the submitted plans to make sure they have completed the requirements identified in the Urban Water Management Planning Act.

The Urban Water Management Plan (UWMP) also serves as a foundational document that will be used by the city and the county in their General Plans. The connection between UWMPs and General Plans is part of the Water Supply Assessment process required by SB610 and SB221 that attempts to integrate land use and water supply planning.

For the previous UWMP update in 2011, staff isolated two sections from the plan out for separate approvals by the Board of Directors at different public hearings. This was done for the Water Shortage Contingency Plan and the Urban Water Use Targets of the Water Conservation Act of 2009.

Due to time constraints and amendments, the District is asking the Board of Directors to consider concurrently adopting an updated Water Shortage Contingency Plan, updated Urban Water Use Targets, and the 2015 UWMP.

Water Shortage Contingency Plan (Resolution 2016-12)

The Water Shortage Contingency Plan was brought to the Board of Directors during a public hearing on March 8, 2016 for adoption and to be included in the 2015 UWMP. It was updated with a definition of water features and with more current information on actions to take during water shortages.

It is being brought back to the Board of Directors for consideration because the wrong date for the public hearing was in the original notice. Also, Table 4 was corrected to show that in year 3 of multiple dry years it is projected that local supplies will be 35 MG not 40 MG.

The updated Water Shortage Contingency Plan can be found in Appendix J of the Draft 2015 UWMP.

Water Conservation Act of 2009 (Resolution 2016-13)

In the 2010 UWMP, adopted in June of 2011, the District complied with the requirements of the Water Conservation Act of 2009 by adopting a target method and urban water use targets.

These targets needed to be updated with 2010 census data and a methodology approved by DWR for the 2015 UWMP. Population in the 2010 census declined from the population data used for the 2010 UWMP. This resulted in changes to the targets for the 2015 UWMP. The table below compares the targets from the 2010 UWMP and the 2015 UWMP.

Urban Water Use Targets	2010 UWMP	2015 UWMP
Target Method	Method 3 95 Percent of Hydrologic Region (San Francisco) Target	Method 3 95 Percent of Hydrologic Region (San Francisco) Target
Ten Year Baseline (Gross GPCD)	128	148
Interim 2015 Urban Water Use Target (Gross GPCD)	124*	136
Final 2020 Urban Water Use Target (Gross GPCD)	120*	124
*In addition to Method 3, a minimum reduction requirement was triggered based on a 5 year running average per capita water use and was applied to the urban water use targets in the 2010 UWMP.		

The District met the interim 2015 Urban Water Use Target with a Gross GPCD of 109. Mandatory irrigation restrictions were in place in 2015 (Ordinance 2015-01).

Details on compliance with the Water Conservation Act of 2009 can be found in Chapter 5 and in Appendix G of the Draft 2015 UWMP.

2015 UWMP Update (Resolution 2016-14)

Legislation was passed to extend the submittal date of the 2015 UWMP to July 1, 2016 from December 31, 2015. The extension was to accommodate the many changes to the UWMP due to new legislation and to be able to report on the 2015 urban water use target. In addition, the final guidance from the Department of Water Resources was not provided to water agencies until March 2016. This, along with the increased reporting to the State Water Resources Control Board due to the emergency drought declaration, resulted in delays in meeting the July 1, 2016 submittal deadline. Staff does not anticipate any negative consequences from the delay in submitting the 2015 UWMP update.

Besides extending the submittal date for the UWMPs, there were other changes to the California Water Code since the 2010 Urban Water Management Plan. A summary of these changes are listed below.

- 1) Demand management (water conservation programs) measures require a narrative description in the UWMP.
- 2) Electronic submittal to DWR is required for the UWMP and any amendments.

- 3) Standardized forms, tables and displays are specified by DWR and must be included in UWMP.
- 4) A report on water loss in the distribution system is required in UWMPs.
- 5) Estimating future water savings, including passive savings from adopted codes, standards, and land use plans must be included in the UWMP, when available.
- 6) Water features must be defined in the Water Shortage Contingency Plan.
- 7) Voluntary reporting on energy intensity required to extract, divert water supplies.

In addition, the District needed to update its current and projected population data using a methodology approved by DWR. The District used ABAG 2013 population data. Maddaus Water Management developed the population methodology and used it for the water demand projections. They also used it to adjust our population data prior to 2010. DWR's written approval can be found in Appendix E of the Draft 2015 UWMP.

Staff used Maddaus Water Management to assist us with modeling our water demand, as required by the Urban Water Management Act. Maddaus Water Management modeled our water demand for the 2005 and 2010 UWMPs and has done water demand modeling for BAWSCA and its member agencies.

Time Sensitive Requirements

- **60-days prior to the Review/Adoption Hearing:** The UWMP regulations requires that a hearing be held prior to adoption of an UWMP (CWC §10642). Any city or county within which a water supplier delivers water is to be notified at least 60 days prior to the hearing that the UWMP is being reviewed (CWC §10621)
 - On December 31, 2015 notices were mailed to interested parties informing them that the District was in the process of amending its UWMP.
 - On February 17, 2016 an advertisement was published in the Half Moon Bay Review informing the public that the District was in the process of updating its UWMP.
- **Prior to adopting a plan:** The urban water supplier shall make the plan available for public inspection (CWC §10642). *Note - specific dates or length of time are not indicated.*
 - Notification letters were mailed to the city and county on August 1, 2016 with the date and location of the public hearing and the notice was posted on the District's website.
 - A notice was posted on the District's bulletin board informing customers of the public hearing on August 1, 2016.
 - Draft Plan (PDF) available on the District's website on August 19, 2016

- Draft Plan (hard copy) available at District Office on August 19, 2016
- Please note that a hard copy was not provided to the Half Moon Bay Library because the Library is closed for construction.
- On September 4, 2016 an electronic newsletter was sent noticing the public hearing.
- Notification in the Half Moon Bay Review of the Public Hearing was published on August 24th, 31st and September 7th.
- **30-days after Adoption:** Submit the UWMP to DWR, the California State Library, and any city or county within which it supplies water (CWC §10621). Copies of any changes or amendments also have to be submitted within 30 days (CWC §10644(a)). In addition, an online submittal tool, WUEdata, will be used to submit data from all of the standardized data tables.
- **30-days after Submission to DWR:** Provide a copy of the UWMP for public review during normal business hours (CWC §10645).
- **60-days after Submission to DWR:** Provide the applicable portions of the UWMP to any city or county within which the supplier provides water (CWC §10635(b)).

It is staff's objective to publish the District's 2015 UWMP to ensure that it meets all the regulatory requirements, so that DWR will deem it complete upon its initial review. Elizabeth Drayer P.E. of West Yost Associates has been working with staff to create a 2015 UWMP that meets or exceeds the regulatory requirements.

Public Hearing for Review and Adoption

After the public hearing, the Board of Directors may decide to:

1. Adopt the 2015 UWMP, Water Shortage Contingency Plan and Urban Water Use Targets with no changes; or
2. Adopt the 2015 UWMP, Water Shortage Contingency Plan and Urban Water Use Targets with specified changes.

Fiscal Impact

The Water Conservation Act of 2009 (SBx7-7) and demand management compliance could increase future District costs and decrease sales revenue.

RESOLUTION 2016-12

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
COASTSIDE COUNTY WATER DISTRICT AUTHORIZING
THE ADOPTION OF AN UPDATED WATER SHORTAGE CONTINGENCY PLAN**

WHEREAS, Section 10632 of the California Water Code requires the Coastside County Water District to maintain a water shortage contingency analysis within its Urban Water Management Plan; and

WHEREAS, Section 350-359 of the California Water Code provides authority for a water agency to declare a water shortage emergency and implement regulations to manage the water shortage emergency; and

WHEREAS, the District maintains a Water Shortage Contingency Plan that is a guidance document for management of water shortages within the Coastside County Water District; and

WHEREAS, Section 10632 (b) of the California Water Code requires that, starting with the 2015 Urban Water Management Plan, water suppliers shall define water features that are artificially supplied with water; and

WHEREAS, the Board of Directors, after a notified public hearing, adopted Resolution 2016-01 on March 8, 2016 approving an updated Water Shortage Contingency Plan and including it in the 2015 Urban Water Management Plan, which included a definition of artificially supplied water features, among other updates; and

WHEREAS, because of an error in the notice of public hearing and a desire to further update the Water Shortage Contingency Plan, the District desires to adopt a revised Water Shortage Contingency Plan; and

WHEREAS, the Water Shortage Contingency Plan was revised to correct Table 4 - Projected Water Supply During Dry Years to reflect Year 3 of Multiple Dry Years with a local water supply of 35 million gallons; and

WHEREAS, the District posted notice of its intent to modify its Water Shortage Contingency Plan and offered opportunity for public comment on the intended modifications;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Coastside County Water District as follows:

1. The updated Water Shortage Contingency Analysis and Plan, included in the 2015 Urban Water Management Plan as appendix J, is hereby adopted and ordered to be filed with the California Department of Water Resources with the District's 2015 Urban Water Management Plan.
2. The General Manager shall recommend to the Board of Directors regarding additional procedures, rules, and regulations to carry out the effective and equitable allocation of water resources during a water shortage.

PASSED AND ADOPTED this 13th day of September, 2016 by the following votes of the Coastside County Water District's Board of Directors:

AYES:

NOES:

ABSENT: Director Mickelsen

ABSTAIN:

Mr. Arnie Glassberg, President Board of Directors
Coastside County Water District

Attest:

Mr. David R. Dickson, General Manager Secretary of the District
Coastside County Water District

RESOLUTION 2016-13

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE COASTSIDE COUNTY WATER DISTRICT AUTHORIZING THE APPROVAL OF AN UPDATED BASELINE DAILY PER CAPITA USE, AN UPDATED URBAN WATER USE TARGET, AND AN UPDATED INTERIM URBAN WATER USE TARGET TO BE INCLUDED IN THE 2015 URBAN WATER MANAGEMENT PLAN

WHEREAS, the Water Conservation Act of 2009 (Senate Bill x7-7) was signed into law by Governor Arnold Schwarzenegger; and

WHEREAS, the Water Conservation Act of 2009 set a goal of achieving a 20 percent statewide reduction in urban per capita water use by the year 2020; and

WHEREAS, the Coastside County Water District (“District”) is an urban retail water supplier that directly provides potable water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable municipal water annually at retail for municipal purposes; and

WHEREAS, the District is subject to the Urban Water Management Planning Act, codified at California Water Code (“CWC”) § 10610 et seq.; and

WHEREAS, the District shall conduct at least one public hearing per California Water Code § 10608.26 (a) to (1) allow community input regarding the District’s implementation plan for compliance, (2) consider the economic impacts of the District’s implementation plan, and (3) adopt a method pursuant to CWC § 10608.20 (b), for determining its urban water use target; and

WHEREAS, on April 12, 2011, the District adopted Resolution 2011-07 approving Target Method 3, for reporting the baseline and target gallons per capita per day (1) a Baseline Daily per capita water use for a ten year period of 128 gallons, (2) an Interim 2015 Urban Water Use Target of 124 gallons per capita per day, and (3) a Urban 2020 Water Use Target of 120 gallons per capita per day; and

WHEREAS, the District selected Target Method 3, as was used in the 2010 Urban Water Management Plan, which is 95 percent of the Hydrologic Region Target from the Water Conservation Act of 2009, CWC 10608.20 (b) (3); and

WHEREAS, with the updated population, baselines and targets, the additional five percent reduction of the base daily per capita water use requirement of CWC § 10608.22 no longer applies; and

WHEREAS, the District understands that the target method and resulting targets may not be changed in any amendments to the 2015 Urban Water Management Plan or in the 2020 Urban Water Management Plan; and

WHEREAS, the District is required to update its Water Conservation Act of 2009 urban water use target in its 2015 Urban Water Management Plan pursuant to CWC § 10608.20 (g) Part 2.6 (commencing with § 10610); and

WHEREAS, the District's service area population was adjusted based on the most current 2010 census data, which resulted in a lower population than was included in the 2010 Urban Water Management Plan and therefore, the District updated its Urban Water Use Targets; and

WHEREAS, the District met its Updated Interim 2015 Urban Water Use Target with an actual 109 gallons per day per capita; and

WHEREAS, the District has published notice of the public hearing in the local newspaper once a week for two successive weeks and posted that notice on the District's website, and the District held a public hearing inviting public comment, and reconsidered all comments received at the public hearing.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Coastside County Water District as follows:

The Board readopts Target Method 3 for determining its updated urban water use targets and baselines under the Water Conservation Act of 2009; and therefore adopts the following:

1. The Updated Final Baseline Daily Per Capita Water Use for a ten year period is 148 gallons per capita per day.
2. The Updated Final Interim 2015 Urban Water Use Target is 136 gallons per capita per day.
3. The Updated Final 2020 Urban Water Use Target is 124 gallons per capita per day.

PASSED AND ADOPTED this 13th day of September 2016, by the following votes of the Coastside County Water District's Board of Directors:

AYES:

NOES:

ABSENT: Director Mickelsen

ABSTAIN:

Mr. Arnie Glassberg, President Board of Directors
Coastside County Water District

Attest:

Mr. David R. Dickson, Secretary of the Board
Coastside County Water District

RESOLUTION 2016-14

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE COASTSIDE COUNTY WATER DISTRICT ADOPTING
THE "COASTSIDE COUNTY WATER DISTRICT 2015 URBAN WATER MANAGEMENT PLAN"**

WHEREAS, the Urban Water Management Planning Act (California Water Code § 10610 et seq.) requires urban water suppliers to prepare and adopt an Urban Water Management Plan to, among other things, report, describe, and evaluate water deliveries, water supply sources, efficient water use, and demand management measures; and

WHEREAS, the Urban Water Management Planning Act requires that Urban Water Management Plans are to be prepared every five years by urban water suppliers with 3,000 or more service connections or supplying 3,000 or more acre-feet of water per year; and

WHEREAS, Coastside County Water District ("District") has prepared its Urban Water Management Plan ("UWMP"), which includes an updated Water Shortage Contingency Plan, as required by the Urban Water Management Planning Act; and

WHEREAS, the District has updated its urban water use targets and baselines under the Water Conservation Act of 2009; and

WHEREAS, the District coordinated the preparation of the UWMP with other appropriate agencies in the area; notified the County of San Mateo and City of Half Moon Bay that the District will be reviewing the UWMP and considering its adoption at least 60 days prior to the public hearing; a copy of the UWMP was available at the District office and on the District's website; published a notice of the public hearing in the local newspaper once a week for two successive weeks beginning at least fourteen days prior to the public hearing and posted that notice on the District's website; held a public hearing inviting public input regarding the draft UWMP; and considered all comments received during the public hearing.

NOW THEREFORE, BE IT RESOLVED that the Board of Directors of the Coastside County Water District hereby approves and adopts the 2015 Urban Water Management Plan, as presented to the Board and attached to this Resolution.

BE IT FURTHER RESOLVED that the Board authorizes the General Manager to incorporate comments from the public hearing as approved by the Board after the close of the public hearing.

BE IT FURTHER RESOLVED that the General Manager is authorized and directed to submit a copy of the adopted UWMP to the Department of Water Resources, the California State Library, the County of San Mateo, and the City of Half Moon Bay within 30 days of its adoption, as required by California Water Code § 10644.

PASSED AND ADOPTED this 13th day of September, 2016, by the following votes of the Coastside County Water District's Board of Directors:

AYES:

NOES:

ABSENT: Director Mickelsen

ABSTAIN:

Mr. Arnie Glassberg, President Board of Directors
Coastside County Water District

ATTEST:

Mr. David Dickson, Secretary of the Board
Coastside County Water District

**COASTSIDE COUNTY WATER DISTRICT
CLAIMS FOR AUGUST 2016**

<u>CHECK DATE</u>	<u>CHECK NO.</u>	<u>VENDOR</u>	<u>VOID CHECK</u>	<u>AMOUNT</u>
08/05/2016	23062	CHEVRON/TEXACO UNIVERSAL CARD		\$1,629.97
08/05/2016	23063	RECORDER'S OFFICE		\$21.00
08/05/2016	23064	HASSETT HARDWARE		\$384.08
08/05/2016	23065	HAWKINS DELAFIELD & WOOD LLP		\$500.00
08/05/2016	23066	MASS MUTUAL FINANCIAL GROUP		\$2,195.65
08/05/2016	23067	PACIFIC GAS & ELECTRIC CO.		\$58.15
08/05/2016	23068	PUB. EMP. RETIRE SYSTEM		\$12,020.29
08/05/2016	23069	REPUBLIC SERVICES		\$375.51
08/05/2016	23070	VALIC		\$4,240.00
08/12/2016	23071	AT&T		\$2,961.14
08/12/2016	23072	AT&T LONG DISTANCE		\$99.41
08/12/2016	23073	FIRST NATIONAL BANK		\$3,650.57
08/12/2016	23074	MASS MUTUAL FINANCIAL GROUP		\$2,420.65
08/12/2016	23075	PACIFIC GAS & ELECTRIC CO.		\$28,938.56
08/12/2016	23076	PUB. EMP. RETIRE SYSTEM		\$12,636.94
08/12/2016	23077	CaPERS FISCAL SERVICES DIVISION		\$25,069.57
08/12/2016	23078	CALPERS		\$1,950.00
08/12/2016	23079	TEAMSTERS LOCAL UNION #856		\$973.00
08/12/2016	23080	US TELEPACIFIC CORPORATION		\$1,779.52
08/12/2016	23081	VALIC		\$3,640.00
08/12/2016	23082	RECORDER'S OFFICE		\$36.00
08/22/2016	23083	SAN MATEO CTY RESOURCE CONSERVATION DIST		\$76,718.00
08/29/2016	23084	CALIFORNIA C.A.D. SOLUTIONS, INC		\$2,850.00
08/29/2016	23085	EKI INC.		\$2,861.56
08/29/2016	23086	JAY FEERO		\$75.00
08/29/2016	23087	NANCY HENARES		\$300.00
08/29/2016	23088	ROBERT ISOM		\$200.00
08/29/2016	23089	MARGRET KANNER		\$150.00
08/29/2016	23090	MS. DALE LOHMAN		\$150.00
08/29/2016	23091	MONTEREY COUNTY LAB		\$3,254.00
08/29/2016	23092	DANIEL POLK		\$75.00
08/29/2016	23093	RALPH WEBER		\$225.00
08/29/2016	23094	WEST YOST ASSOCIATES, INC		\$4,607.17
08/29/2016	23095	PAUL WRUBEL		\$75.00
08/29/2016	23096	ADP, INC.		\$656.25
08/29/2016	23097	FRANK YAMELLO		\$235.00
08/29/2016	23098	ANDREINI BROS. INC.		\$2,200.00
08/29/2016	23099	AZTEC GARDENS, INC.		\$190.00
08/29/2016	23100	BADGER METER, INC.		\$90.00
08/29/2016	23101	BALANCE HYDROLOGICS, INC		\$6,187.05
08/29/2016	23102	BAY ALARM COMPANY		\$1,612.86
08/29/2016	23103	CALCON SYSTEMS, INC.		\$163.50
08/29/2016	23104	CAROLYN STANFIELD		\$600.00
08/29/2016	23105	CHEVRON/TEXACO UNIVERSAL CARD		\$1,537.80
08/29/2016	23106	COASTSIDE COUNTY WATER DIST.		\$77.34
08/29/2016	23107	DATAPROSE, LLC		\$617.14
08/29/2016	23108	ELECSYS INTERNATIONAL CORP		\$250.00
08/29/2016	23109	GRANDFLOW, INC.		\$739.26

08/29/2016	23110	GRAINGER, INC.	\$845.05
08/29/2016	23111	HACH CO., INC.	\$662.66
08/29/2016	23112	HMB BLDG. & GARDEN INC.	\$160.55
08/29/2016	23113	HALF MOON BAY REVIEW	\$485.00
08/29/2016	23114	H.M.B.AUTO PARTS	\$25.04
08/29/2016	23115	U.S. HEALTHWORKS MEDICAL GROUP, P.C.	\$198.00
08/29/2016	23116	HF&H CONSULTANTS, LLC	\$120.00
08/29/2016	23117	IRON MOUNTAIN	\$851.49
08/29/2016	23118	IRVINE CONSULTING SERVICES, INC.	\$2,427.68
08/29/2016	23119	IRVINE CONSULTING SERVICES, INC.	\$143.05
08/29/2016	23120	KENNEDY/JENKS CONSULTANTS	\$3,280.00
08/29/2016	23121	GLENNA LOMBARDI	\$107.00
08/29/2016	23122	MASS MUTUAL FINANCIAL GROUP	\$2,420.65
08/29/2016	23123	METLIFE GROUP BENEFITS	\$1,732.23
08/29/2016	23124	MISSION UNIFORM SERVICES INC.	\$205.48
08/29/2016	23125	DARIN BOVILLE	\$1,425.00
08/29/2016	23126	MONTEREY COUNTY LAB	\$1,710.00
08/29/2016	23127	NATIONAL METER & AUTOMATION	\$2,310.50
08/29/2016	23128	NORTHSTAR CHEMICAL	\$3,323.70
08/29/2016	23129	OFFICE DEPOT	\$615.18
08/29/2016	23130	ONTRAC	\$507.74
08/29/2016	23131	PACIFICA COMMUNITY TV	\$250.00
08/29/2016	23132	PAPE MACHINERY EXCHANGE	\$3,501.64
08/29/2016	23133	DONALD PATTERSON	\$38.42
08/29/2016	23134	PITNEY BOWES	\$215.82
08/29/2016	23135	POLLARDWATER.COM	\$3,206.90
08/29/2016	23136	PRINCETON WELDING , INC.	\$2,310.00
08/29/2016	23137	PSI-PROCESS SOLUTIONS, INC	\$2,906.08
08/29/2016	23138	RICOH USA, INC.	\$329.00
08/29/2016	23139	RICOH USA INC	\$658.46
08/29/2016	23140	ROBERTS & BRUNE CO.	\$4,123.86
08/29/2016	23141	ROGUE WEB WORKS, LLC	\$396.50
08/29/2016	23142	MARY ROGREN	\$42.00
08/29/2016	23143	RYAN HERCO PRODUCTS CORP	\$261.68
08/29/2016	23144	SAN FRANCISCO WATER DEPT.	\$268,655.77
08/29/2016	23145	SAN MATEO CTY PUBLIC HEALTH LAB	\$636.00
08/29/2016	23146	STATE WATER RESOURCES CONTROL BD	\$60.00
08/29/2016	23147	STRAWFLOWER ELECTRONICS	\$21.75
08/29/2016	23148	JAMES TETER	\$15,397.06
08/29/2016	23149	USA BLUE BOOK	\$1,384.64
08/29/2016	23150	VALIC	\$3,640.00
08/29/2016	23151	VERIZON WIRELESS	\$1,195.37
08/29/2016	23152	VULCAN MATERIALS COMPANY	\$379.60
08/26/2016	23153	JUANITA DONEGAN/NEIL BARTH	\$40.14
08/30/2016	23154	HANSONBRIDGETT. LLP	\$22,911.80
08/30/2016	23155	PUB. EMP. RETIRE SYSTEM	\$12,642.32

TOTAL	\$581,037.75
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Coastside County Water District

Monthly Budget Report Account Summary

For Fiscal: 2016-2017 Period Ending: 08/31/2016

	August Budget	August Activity	Variance Favorable (Unfavorable)	Percent Variance	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Percent Variance	Total Budget	
Revenue										
RevType: 1 - Operating										
1-4120-00	Water Revenue	1,275,475.00	1,276,420.86	945.86	0.07 %	2,069,220.00	2,166,296.21	97,076.21	4.69 %	10,266,127.00
	Total RevType: 1 - Operating:	1,275,475.00	1,276,420.86	945.86	0.07 %	2,069,220.00	2,166,296.21	97,076.21	4.69 %	10,266,127.00
RevType: 2 - Non-Operating										
1-4170-00	Water Taken From Hydrants	4,165.00	14,939.66	10,774.66	258.70 %	8,330.00	17,871.91	9,541.91	114.55 %	50,000.00
1-4180-00	Late Notice - 10% Penalty	5,997.60	6,280.75	283.15	4.72 %	11,995.20	14,921.11	2,925.91	24.39 %	72,000.00
1-4230-00	Service Connections	833.00	2,131.44	1,298.44	155.88 %	1,666.00	3,187.97	1,521.97	91.35 %	10,000.00
1-4920-00	Interest Earned	0.00	0.00	0.00	0.00 %	767.50	1,364.34	596.84	77.76 %	3,070.00
1-4930-00	Tax Apportionments/County Checks	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	600,000.00
1-4950-00	Miscellaneous Income	3,082.10	940.00	-2,142.10	-69.50 %	6,164.20	1,575.00	-4,589.20	-74.45 %	37,000.00
1-4955-00	Cell Site Lease Income	11,969.54	14,564.92	2,595.38	21.68 %	23,939.08	26,694.01	2,754.93	11.51 %	143,692.00
1-4965-00	ERAF Refund - County Taxes	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	200,000.00
	Total RevType: 2 - Non-Operating:	26,047.24	38,856.77	12,809.53	49.18 %	52,861.98	65,614.34	12,752.36	24.12 %	1,115,762.00
	Total Revenue:	1,301,522.24	1,315,277.63	13,755.39	1.06 %	2,122,081.98	2,231,910.55	109,828.57	5.18 %	11,381,889.00
Expense										
ExpType: 1 - Operating										
1-5130-00	Water Purchased	331,653.00	305,040.77	26,612.23	8.02 %	645,156.00	533,895.78	111,260.22	17.25 %	2,578,474.00
1-5230-00	Nunes T P Pump Expense	2,604.79	3,616.16	-1,011.37	-38.83 %	5,209.58	6,216.16	-1,006.58	-19.32 %	31,270.00
1-5231-00	CSP Pump Station Pump Expense	62,436.00	57,095.49	5,340.51	8.55 %	120,169.00	70,095.49	50,073.51	41.67 %	325,420.00
1-5232-00	Other Trans. & Dist Pump Expense	1,876.00	1,861.09	14.91	0.79 %	3,590.00	3,861.09	-271.09	-7.55 %	18,020.00
1-5233-00	Pilarcitos Canyon Pump Expense	180.00	426.89	-246.89	-137.16 %	360.00	3,326.89	-2,966.89	-824.14 %	26,000.00
1-5234-00	Denniston T P Pump Expense	600.00	3,724.67	-3,124.67	-520.78 %	12,037.00	14,724.67	-2,687.67	-22.33 %	85,000.00
1-5242-00	CSP Pump Station Operations	874.65	927.89	-53.24	-6.09 %	1,749.30	1,541.44	207.86	11.88 %	10,500.00
1-5243-00	CSP Pump Station Maintenance	1,388.00	1,181.50	206.50	14.88 %	2,776.00	1,181.50	1,594.50	57.44 %	37,000.00
1-5246-00	Nunes T P Operations - General	7,096.00	5,466.96	1,629.04	22.96 %	13,658.00	10,026.05	3,631.95	26.59 %	57,000.00
1-5247-00	Nunes T P Maintenance	12,208.00	8,010.88	4,197.12	34.38 %	16,166.00	13,769.70	2,396.30	14.82 %	80,500.00
1-5248-00	Denniston T P Operations-General	375.00	515.17	-140.17	-37.38 %	4,562.00	2,862.41	1,699.59	37.26 %	35,000.00
1-5249-00	Denniston T.P. Maintenance	12,750.00	8,498.70	4,251.30	33.34 %	15,500.00	10,462.85	5,037.15	32.50 %	53,000.00
1-5250-00	Laboratory Expenses	6,626.00	5,853.74	772.26	11.65 %	9,939.00	10,145.98	-206.98	-2.08 %	53,000.00
1-5260-00	Maintenance - General	10,970.61	10,577.98	392.63	3.58 %	21,941.22	19,274.44	2,666.78	12.15 %	131,700.00
1-5260-10	Maintenance - Main Line Breaks	8,330.00	2,009.46	6,320.54	75.88 %	16,660.00	2,009.46	14,650.54	87.94 %	100,000.00
1-5260-11	Maintenance - Paving	4,165.00	3,233.15	931.85	22.37 %	8,330.00	3,576.94	4,753.06	57.06 %	50,000.00
1-5261-00	Maintenance - Well Fields	909.00	10,574.00	-9,665.00	-1,063.26 %	1,818.00	10,574.00	-8,756.00	-481.63 %	50,000.00
1-5263-00	Uniforms	144.00	0.00	144.00	100.00 %	3,844.00	3,692.85	151.15	3.93 %	10,000.00

Monthly Budget Report

For Fiscal: 2016-2017 Period Ending: 08/31/2016

	August Budget	August Activity	Variance Favorable (Unfavorable)	Percent Variance	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Percent Variance	Total Budget
1-5318-00	12,495.00	10,120.00	2,375.00	19.01 %	24,990.00	10,120.00	14,870.00	59.50 %	150,000.00
1-5321-00	3,915.10	0.00	3,915.10	100.00 %	7,830.20	0.00	7,830.20	100.00 %	47,000.00
1-5322-00	4,165.00	2,643.60	1,521.40	36.53 %	8,330.00	2,853.60	5,476.40	65.74 %	50,000.00
1-5381-00	4,998.00	22,084.10	-17,086.10	-341.86 %	9,996.00	22,804.10	-12,808.10	-128.13 %	60,000.00
1-5382-00	1,166.20	480.00	686.20	58.84 %	2,332.40	480.00	1,852.40	79.42 %	14,000.00
1-5383-00	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	20,000.00
1-5384-00	10,437.49	4,984.40	5,453.09	52.25 %	20,874.98	9,237.71	11,637.27	55.75 %	125,300.00
1-5410-00	84,677.00	63,121.41	21,555.59	25.46 %	211,692.00	166,423.30	45,268.70	21.38 %	1,100,800.00
1-5411-00	93,645.00	94,224.19	-579.19	-0.62 %	234,111.00	225,302.36	8,808.64	3.76 %	1,217,375.00
1-5420-00	12,480.00	11,494.82	985.18	7.89 %	31,201.00	29,274.99	1,926.01	6.17 %	162,245.00
1-5435-00	33,135.00	29,350.24	3,784.76	11.42 %	66,270.00	60,651.54	5,618.46	8.48 %	412,904.00
1-5436-00	4,791.00	2,955.23	1,835.77	38.32 %	9,582.00	7,242.79	2,339.21	24.41 %	59,976.00
1-5440-00	41,025.00	40,366.05	658.95	1.61 %	90,027.00	76,422.11	13,604.89	15.11 %	508,256.00
1-5445-00	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	33,000.00
1-5510-00	4,723.11	6,370.82	-1,647.71	-34.89 %	9,446.22	9,692.13	-245.91	-2.60 %	56,700.00
1-5620-00	14,225.55	22,781.62	-8,556.07	-60.15 %	28,451.10	38,806.27	-10,355.17	-36.40 %	170,775.00
1-5620-33	0.00	0.00	0.00	0.00 %	0.00	23.98	-23.98	0.00 %	0.00
1-5625-00	1,999.20	60.40	1,938.80	96.98 %	3,998.40	671.65	3,326.75	83.20 %	24,000.00
1-5630-00	9,996.00	6,633.59	3,362.41	33.64 %	19,992.00	13,267.11	6,724.89	33.64 %	120,000.00
1-5687-00	6,164.20	125.00	6,039.20	97.97 %	12,328.40	1,397.84	10,930.56	88.66 %	74,000.00
1-5689-00	499.80	0.00	499.80	100.00 %	999.60	0.00	999.60	100.00 %	6,000.00
1-5700-00	1,582.70	0.00	1,582.70	100.00 %	3,165.40	0.00	3,165.40	100.00 %	19,000.00
1-5705-00	1,332.80	0.00	1,332.80	100.00 %	2,665.60	0.00	2,665.60	100.00 %	16,000.00
Total ExpType: 1 - Operating:	812,639.20	746,409.97	66,229.23	8.15 %	1,701,748.40	1,395,909.18	305,839.22	17.97 %	8,179,215.00
ExpType: 4 - Capital Related									
1-5712-00	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	486,426.00
1-5715-00	0.00	0.00	0.00	0.00 %	260,466.00	260,466.28	-0.28	0.00 %	336,409.00
1-5716-00	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	145,203.00
Total ExpType: 4 - Capital Related:	0.00	0.00	0.00	0.00 %	260,466.00	260,466.28	-0.28	0.00 %	968,038.00
Total Expense:	812,639.20	746,409.97	66,229.23	8.15 %	1,962,214.40	1,656,375.46	305,838.94	15.59 %	9,147,253.00
Report Total:	488,883.04	568,867.66	79,984.62		159,867.58	575,535.09	415,667.51		2,234,636.00

**COASTSIDE COUNTY WATER DISTRICT
MONTHLY INVESTMENT REPORT
August 31, 2016**

RESERVE BALANCES

CAPITAL AND OPERATING RESERVE	\$3,716,090.22
RATE STABILIZATION RESERVE	\$250,000.00
TOTAL DISTRICT RESERVES	\$3,966,090.22

ACCOUNT DETAIL

ACCOUNTS WITH FIRST NATIONAL BANK (FNB)	
CHECKING ACCOUNT	\$2,089,788.64
CSP T & S ACCOUNT	\$849,800.36
LOCAL AGENCY INVESTMENT FUND (LAIF) BALANCE	\$1,025,801.22
DISTRICT CASH ON HAND	\$700.00
TOTAL ACCOUNT BALANCES	\$3,966,090.22

This report is in conformity with CCWD's Investment Policy.

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2016-2017**

8/31/2016

Approved CIP Budget FY 16/17	Actual To Date FY16/17	Projected Year-End FY 16/17	Variance vs. Budget	% Completed	Project Status/ Comments
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Equipment Purchases & Replacement

06-03	SCADA/Telemetry/Electrical Controls Replacement	\$ 50,000		\$ 50,000	\$ -	0%	
17-02	Forklift for Nunes	\$ 30,000		\$ 30,000	\$ -	0%	
99-03	Computer Systems	\$ 5,000		\$ 5,000	\$ -	0%	
99-04	Office Equipment/Furniture	\$ 3,000		\$ 3,000	\$ -	0%	

Facilities & Maintenance

08-08	PRV Valves Replacement Project	\$ 30,000		\$ 30,000	\$ -	0%	
09-09	Fire Hydrant Replacement	\$ 40,000		\$ 40,000	\$ -	0%	
09-23	District Digital Mapping	\$ 10,000		\$ 10,000	\$ -	0%	
14-14	Pilarcitos Canyon Road Improvements	\$ 65,000	\$ 76,718	\$ 77,000	\$ (12,000)	118%	
17-11	Pilarcitos PRV Station Valve Replacement	\$ 45,000		\$ 45,000	\$ -	0%	
09-07	Advanced Metering Infrastructure	\$ 300,000		\$ 300,000	\$ -	0%	
99-01	Meter Change Program	\$ 300,000		\$ 300,000	\$ -	0%	

Pipeline Projects

06-01	Avenue Cabrillo Phase 3B Pipeline Replacement Project	\$ 650,000	\$ 318,333	\$ 650,000	\$ -	49%	
13-02	Replace 8" Pipeline Under Creek at Pilarcitos Avenue	\$ 100,000	\$ 6,695	\$ 100,000	\$ -	7%	
14-26	Replace 2" Pipe in Downtown Half Moon Bay	\$ 500,000		\$ 500,000	\$ -	0%	

Pump Stations / Tanks / Wells

06-04	Hazen's Tank Replacement	\$ 30,000		\$ 30,000	\$ -	0%	
06-03	El Granada Tank #3 Recoating Project	\$ 600,000	\$ 362	\$ 600,000	\$ -	0%	Project will start September, 2016
13-11	EG Tank #1 & Tank #2 Emergency Generators	\$ 200,000	\$ 181	\$ 200,000	\$ -	0%	Project will start September, 2016
17-03	Pilarcitos Wells 3 and 3A Rehabilitation	\$ 90,000		\$ 90,000	\$ -	0%	
17-05	Crystal Springs Pump Station Motor Controls	\$ 50,000		\$ 50,000	\$ -	0%	
17-06	Crystal Springs Pump Station Discharge Valve Replacement	\$ 30,000		\$ 30,000	\$ -	0%	

Water Supply Development

10-02 & 12-04	Denniston Pump Station & Pipeline Project (formerly Bridgeport Drive Pipeline Replacement Project)	\$ 2,600,000	\$ 3,599	\$ 2,600,000	\$ -	0%	Project will start September, 2016
17-12	Recycled Water Project Development	\$ 100,000		\$ 100,000	\$ -	0%	

Water Treatment Plants

17-01	Nunes Water Treatment Plant Treated Water Meter	\$ 50,000		\$ 50,000	\$ -	0%	
17-04	Denniston Dam Spillway	\$ 10,000		\$ 10,000	\$ -	0%	
17-07	Denniston WTP Site Improvements for Erosion Control	\$ 50,000		\$ 50,000	\$ -	0%	

COASTSIDE COUNTY WATER DISTRICT
 APPROVED CAPITAL IMPROVEMENT PROJECTS
 FISCAL YEAR 2016-2017

8/31/2016

		Approved CIP Budget FY 16/17	Actual To Date FY16/17	Projected Year-End FY 16/17	Variance vs. Budget	% Completed	Project Status/ Comments
17-08	Nunes Filter Surface Wash Repairs	\$ 50,000		\$ 50,000	\$ -	0%	
17-10	Nunes Backwash Pond Sand Replacement	\$ 65,000		\$ 65,000	\$ -	0%	
99-05	Denniston Maintenance Dredging	\$ 35,000		\$ 35,000	\$ -	0%	

FY 15/16 TOTALS \$ 6,088,000 \$ 405,888 \$ 6,100,000 \$ (12,000)

Previous CIP Projects - paid in FY 16/17

14-24	Denniston/San Vicente EIR & Permitting		\$ 6,187	\$ 6,187	\$ (6,187)		

PREVIOUS YEAR TOTALS \$ - \$ 6,187 \$ 6,187 \$ (6,187)

UNSCHEDULED ITEMS (CAPITAL EXPENDITURES) FOR CURRENT FISCAL YEAR 16/17

	Mixers for El Granada Tanks #1 and #2		\$ 3,128	\$ 3,128	\$ (3,128)		Completed (\$3K is for installation; Mixers were purchased in 6/2016)
	Wavecrest Road Pipeline Extension - CCWD Portion		\$ 169	\$ 5,000	\$ (5,000)		
07-03	Pilarcitos Canyon Pipeline Replacement (07-03)		\$ 8,053	\$ 8,053	\$ (8,053)		
					\$ -		

NON-BUDGETED TOTALS \$ - \$ 11,350 \$ 16,181 \$ (16,181)

CIP TOTALS \$ 6,088,000 \$ 423,426 \$ 6,122,368 \$ (34,368)

**Legal Cost Tracking Report
12 Months At-A-Glance**

**Acct. No.5681
Patrick Miyaki - HansonBridgett, LLP
Legal**

Month	Admin (General Legal Fees)	Water Supply Develpmnt	Recycled Water	Transfer Program	CIP	Personnel	Water Shortage	Lawsuits	Infrastructure Project Review (Reimbursable)	TOTAL
Sep-15	764		1,147	206	1,348				941	4,405
Oct-15	2,259	88	500	1,609	6,164	504			118	11,241
Nov-15	3,920		176	1,113	5,014					10,224
Dec-15	1,535	617			1,970					4,122
Jan-16	2,673	970		798	941					5,382
Feb-16	2,969				1,000	7,859				11,828
Mar-16	8,572		272		60	8,282				17,187
Apr-16	8,014			900	91	2,640				11,645
May-16	3,616			776		5,438				9,830
Jun-16	3,583		1,540			11,879				17,002
Jul-16	7,269		1,812	392		5,564				15,037
Aug-16	3,412			284	674	18,541				22,912
TOTAL	48,588	1,676	5,447	6,077	17,261	60,709	0	0	1,058	140,815

**Engineer Cost Tracking Report
12 Months At-A-Glance**

**Acct. No. 5682
JAMES TETER
Engineer**

Month	Admin & Retainer	CIP	Studies & Projects	TOTAL	Reimbursable from Projects
Sep-15	480	11,362	507	12,349	507
Oct-15	480	10,853	1,372	12,705	1,372
Nov-15	480	2,095	1,606	4,180	1,606
Dec-15	480	1,389	4,901	6,770	4,901
Jan-16	480		4,392	4,872	4,392
Feb-16	1,926	6,083	338	8,347	338
Mar-16	2,291	5,812		8,103	
Apr-16	480	10,650	2,789	13,919	2,789
May-16	2,508	12,863	7,014	22,385	7,014
Jun-16	1,280	4,960	2,191	8,431	2,191
Jul-16	480			480	0
Aug-16	480	14,917		15,397	
TOTAL	11,845	80,983	25,108	117,936	25,108

Calcon T&M Projects Tracking

Project No.	Name	Acct No.	Proposal Date	Approved Date	Project Budget	1/31/16	2/29/16	3/30/16	4/30/16	5/31/16	6/30/16	7/31/16	Project Total Billing	Project Budget Remaining	CIP Project
CAL-13-EMG	Emergency Callout														
CAL-14-EMG	Emergency Callout														
CAL-15-EMG	Emergency Callout						\$5,633.06	\$1,048.50	\$1,330.00						
CAL-13-00	Calcon Project Admin/Miscellaneous														
CAL-13-01	EG Tank 2 Recoating Project		9/30/13	10/8/13	\$8,220.00								\$8,837.50	-\$617.50	08-17
CAL-13-02	Nunes Control System Upgrades		9/30/13	10/8/13	\$46,141.00								\$55,363.60	-\$9,222.60	FY13 CIP
CAL-13-03	Win 911 and PLC Software		9/30/13	10/8/13	\$9,717.00								\$12,231.74	-\$2,514.74	
CAL-13-04	Crystal Springs Surge Tank Retrofit		11/26/13	11/27/13	\$31,912.21								\$66,572.54	-\$34,660.33	6-Dec
CAL-13-05													\$0.00	\$0.00	
CAL-13-06	Nunes Legacy Backwash System Removal		11/25/13	11/26/13	\$6,516.75								\$6,455.00	\$61.75	
CAL-13-07	Denniston Backwash FTW Valves		11/26/13	11/27/13	\$6,914.21								\$9,518.28	-\$2,604.07	
CAL-14-01	Denniston Wash Water Return Retrofit		1/28/14	2/14/14	\$13,607.00								\$13,591.60	\$15.40	
CAL-14-02	Denniston Calrifier SCADA Data		4/2/14	4/7/14	\$4,125.00								\$4,077.50	\$47.50	
CAL-14-03	Nunes Surface Scatter Turbidimeter		4/2/14	4/7/14	\$2,009.50								\$0.00	\$2,009.50	
CAL-14-04	Phase I Control System Upgrade		4/2/14	4/7/14	\$75,905.56								\$44,459.14	\$31,446.42	
CAL-14-06	Miramar Control Panel		8/28/14	8/28/14	\$37,953.00								\$27,980.71	\$9,972.29	
CAL-14-08	SFWater Flow & Data Logger/Cahill Tank		8/20/2014	8/20/2014	\$1,370.00								\$1,372.00	-\$2.00	
CAL-15-01	Main Street Monitors												\$6,779.42	-\$6,779.42	
CAL-15-02	Denniston To Do List												\$2,930.00	-\$2,930.00	
CAL-15-03	Nunes & Denniston Turbidity Meters				\$6,612.50								\$5,833.26	\$779.24	
CAL-15-04	Phase II Control System Upgrade					\$24,466.83	\$14,452.50	\$9,528.20	\$7,855.95	\$3,990.00	\$13,445.00		\$164,904.50	-\$164,904.50	
CAL-15-05	Permanganate Water Flow												\$1,567.15	-\$1,567.15	
					\$244,391.23	\$24,466.83	\$14,452.50	\$9,528.20	\$7,855.95	\$3,990.00	\$13,445.00	\$0.00	\$432,473.94	-\$181,470.21	

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE SPECIAL MEETING OF THE BOARD OF DIRECTORS

Tuesday, August 9, 2016

1) **ROLL CALL** - President Arnie Glassberg called the special meeting to order at 6:15 p.m. Present at roll call: Directors Ken Coverdell, Bob Feldman, and Chris Mickelsen, also Mary Rogren, Assistant General Manager; and Patrick Miyaki, District Legal Counsel. Vice-President Glenn Reynolds was absent.

2) **PUBLIC COMMENT** - There were no public comments.

The Board entered into closed session at 6:16 p.m.

3) **CLOSED SESSION**

A. Conference with Legal Counsel - Anticipated Litigation
Significant Exposure to Litigation
Pursuant to California Government Code Section 54956.9(d)(2)
One Potential Case

4) **RECONVENE TO OPEN SESSION** - The Board reconvened into open session at 7:01. President Glassberg announced that no action had been taken in the closed session.

5) **ADJOURNMENT** - The special meeting was adjourned at 7:02 p.m.

Respectfully submitted,

Mary Rogren, Assistant General Manager

Arnie Glassberg, President
Board of Directors

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE REGULAR MEETING OF THE BOARD OF DIRECTORS

Tuesday, August 9, 2016

- 1) **ROLL CALL** - President Arnie Glassberg called the meeting to order at 7:03 p.m. Present at roll call: Directors Ken Coverdell, Chris Mickelsen, and Bob Feldman. Vice-President Glenn Reynolds was absent.

Also present: Mary Rogren, Assistant General Manager; Patrick Miyaki, Legal Counsel; Joe Guistino, Superintendent of Operations; Cathleen Brennan, Water Resources Analyst; JoAnne Whelen, Administrative Assistant/Recording Secretary; and Gina Brazil, Office Manager.

There were 4 people in the audience.

- 2) **PLEDGE OF ALLEGIANCE**

- 3) **PUBLIC COMMENT** - There were no public comments.

- 4) **CONSENT CALENDAR**

- A. Approval of disbursements for the month ending July 31, 2016:
Claims: \$1,063,513.75; Payroll: \$133,228.39 for a total of \$1,196,742.14
- B. Acceptance of Financial Reports
- C. Approval of Minutes of July 12, 2016 Regular Board of Directors Meeting
- D. Monthly Water Transfer Report
- E. Installed Water Connection Capacity and Water Meters Report
- F. Total CCWD Production Report
- G. CCWD Monthly Sales by Category Report - July 2016
- H. Monthly Emergency Main & Service Repairs Report and Water Line Flushing Report
- I. Rainfall Reports

ON MOTION BY Director Coverdell and seconded by Director Feldman, the Board voted to accept and approve the Consent Calendar in its entirety:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

5) **MEETINGS ATTENDED / DIRECTOR COMMENTS**

Director Mickelsen reported on a recent Bay Area Water Supply & Conservation Agency (BAWSCA) Board of Directors meeting he had attended.

6) **GENERAL BUSINESS**

A. **Approval of Water Service Agreement - 456 Grand Blvd., Half Moon Bay**

Ms. Rogren provided a brief summary of the approximately 60 linear foot pipeline extension project.

ON MOTION BY Director Coverdell and seconded by Director Mickelsen, the Board voted to approve the Water Service Agreement between Coastside County Water District and Paul McGregor for construction of a pipeline extension along Grand Boulevard in Half Moon Bay:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

B. **Pilarcitos Canyon Roads Repair Project**

Ms. Rogren introduced this agenda item, which was discussed in further detail by Mr. Guistino. He provided the background of the project and advised that the Resource Conservation District (RCD) has been the lead agency with all aspects of the repairs to the Pilarcitos Canyon Road and its side roads to the radar experimental station buildings used by L-3 Randtron Antenna Systems. Mr. Guistino explained that over the past two years, RCD has obtained all of the required permits for the road repair project and is now ready to proceed with construction, and the bid was recently selected from Campbell Grading Inc. to complete the work. He reported that RCD is the contracting entity for the work on behalf of CCWD and Randtron. He further explained the costs shared among the three agencies to date and that Coastside County Water District's shared portion for the construction is \$76,718.00, which was indicated as a not to exceed amount.

ON MOTION BY Director Coverdell and seconded by Director Mickelsen, the Board voted to authorize the General Manager to provide payment to the San Mateo County Resource Conservation District (RCD) of \$76,718.00 for the construction of the Pilarcitos Canyon Roads Repair Project:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

C. Award of Contract – Denniston Treated Water Pump Station and Transmission Main

Mr. Guistino reviewed the background of this project, noting the hydraulic limitations in the District’s transmission and distribution network which restricts the amount of water available from the Denniston source. He reported the bid results, advising that Stoloski & Gonzales, Inc. was the low bidder. Mr. Guistino answered a few questions from the Board members and the Board also requested that documentation illustrating the project alignment be posted on the District’s website. Director Coverdell commented that he was enthusiastic that Stoloski & Gonzalez, Inc. will be the contractors for this project, given the work it has done for the District in the past.

ON MOTION BY Director Coverdell and seconded by Director Mickelsen, the Board voted to authorize the General Manager or his designee to execute a contractual agreement with Stoloski & Gonzales for the construction of the Denniston Treated Water Booster Station and Transmission Pipeline Project, for the lump sum of \$1,846,000:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

D. Denniston Treated Water Pump Station and Transmission Main Project Award of Contract to Kennedy/Jenks for Engineering Services during Construction and Construction Management

Mr. Guistino reviewed this agenda item, summarizing some of the complexities of the project. Kennedy/Jenks prepared the plans and specifications for the project in addition to the EIR, and is therefore very familiar with the details of the project.

ON MOTION BY Director Coverdell and seconded by Director Mickelsen, the Board voted to authorize the General Manager to execute a professional services agreement with Kennedy/Jenks Engineering for engineering services during construction and construction management of the Denniston Treated Water Pump Station and Transmission Main Project for time-and-materials costs not to exceed \$292,780:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

E. Purchasing Policy Update

Ms. Rogren reminded the Board that they had approved revisions to the District's policies and procedures for award of contracts at the July Board meeting and that staff had recently discovered that the District's purchasing policy required updating as well to allow the Assistant General Manager's position to be included for purchasing approvals and check signing.

ON MOTION BY Director Coverdell and seconded by Director Feldman, the Board voted to approve the update to the District's Purchasing Policy:

Director Coverdell	Aye
Director Mickelsen	Aye
Director Feldman	Aye
Vice-President Reynolds	Absent
President Glassberg	Aye

7) MONTHLY INFORMATIONAL REPORTS

A. Assistant General Manager

Ms. Rogren provided a brief update on the District's proposed advanced infrastructure metering project with Aclara, noting that staff is planning to bring the proposed agreement with Aclara to the Board for approval at the September Board of Directors Meeting

B. Operations Report

Mr. Guistino highlighted the completion of the District's unidirectional flushing program for this year and the final phase of the Avenue Cabrillo Project Phase 3B nearing completion in September.

Director Coverdell inquired about the safety and chemistry of fire-retardant chemicals used in fighting forest fires. Mr. Guistino agreed to research this

matter and indicated that he would provide his research results in the Operations Report included in the September Board Meeting agenda packet.

C. Water Resource Analyst

Ms. Brennan reported the District's cumulative water savings achievements of 19% which exceeded the state mandated amount of 8% from the period of June 2015 through June 2016 and also referenced the District's Water Shortage Emergency Warning Fact Sheet that was included with her report.

8) DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS

There were no requests from the Directors for future agenda items.

9) ADJOURNMENT - The meeting was adjourned at 7:36 p.m.

Respectfully submitted,

Mary Rogren, Assistant General Manager

Arnie Glassberg, President
Board of Directors

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: September 13, 2016

Report

Date: September 6, 2016

Subject: Monthly Water Transfer Report - August 2016

Recommendation:

None. For Board information purposes only.

Background:

At the December 10, 2002 Board meeting and November 18, 2003 Special Board meeting, the Board made several changes to the District's water transfer policy. One of the changes directed the General Manager to approve routine water transfer applications that met the District's criteria as embodied in Resolution 2002-17 and Resolution 2003-19. The General Manager was also directed to report the number of water transfers approved each month as part of the monthly Board packet information.

During the month of August, one application to transfer one -- 5/8" (20 gpm) non-priority water service connections was approved. A spreadsheet reporting this transfer follows this report as well as the approval memorandum from Patrick Miyaki and the confirmation letter from Gina Brazil.

**NON PRIORITY WATER TRANSFERS APPROVED FOR THE 2016 CALENDAR YEAR
MONTH OF AUGUST 2016**

DONATING APN	PROPERTY OWNER(S)	RECIPIENT APN	PROPERTY OWNER(S)	# of CONNECTIONS	DATE
115-520-170	Charles J. Keenan III (c/o Joyce Yamigiwa)	047-111-270	Bin Li & Fengliang Xue	1 - - 5/8"	August 31, 2016

Memorandum

TO: Gina Brazil
FROM: Patrick T. Miyaki
DATE: August 19, 2016
RE: **Application to Transfer One Uninstalled Non-Priority Water Service Connection from Charles J. Keenan III, Trustee (c/o Joyce Yamigiwa, TR) to Fengliang Xue**

Gina, I have reviewed the Application to transfer one 5/8-inch uninstalled non-priority water service connection from property owned by Charles J. Keenan III, Trustee (c/o Joyce Yamigiwa) (APN 115-520-170) to property owned by Bin Li and Fengliang Xue (APN 047-111-270).

The Application is generally in order and satisfies the requirements of the District's General Regulations Regarding Water Service, Section U, Transfer of Uninstalled Water Service Connection Rights.

Please do not hesitate to contact me if you have any questions or want to discuss this matter in more detail.

PTM:slh

cc: David Dickson

.

August 31, 2016

Charles Keenan, Trustee
c/o Joyce Yamigiwa
700 Emerson Street
Palo Alto, CA 94301

and

Bin Li and Fengliang Xue
41686 Joyce Avenue
Fremont, CA 94539

RE: Approval - Request for Transfer of Water Service Connection Capacity

Dear Property Owners:

This is official confirmation that the Coastside County Water District has approved your request to transfer one - 5/8" non-priority water service connections. The result of this transfer is as follows:

- APN 115-520-170 continues to have the rights to forty-five (45) -- 5/8" (20 gpm) non-priority water service connections from the Coastside County Water District; and
- APN 047-111-270 now has one (1) -- 5/8" (20 gpm) uninstalled non-priority water service connection assigned to it from the Crystal Springs Project.

Please be advised that the City Council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of "development" so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the City of Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,



Gina Brazil
Office Manager

cc: David Dickson, General Manager



Fiscal Year 2017 Water Service Installations

FY 2017

APN	Name	Install Address	City/Community	Meter Size	Type	Date Installed	Notes
056-081-380	Nava, Kenneth & Yvonne	694 Terrace Ave	HMB	5/8"	dom	25-Jul-16	with 1" fire
047-218-150	Engdahl, Maxine	640 Ferdinand	EG	5/8"	dom	5-Aug	with 1" fire
064-321-120	Jones, Lani and Greg	371 Magnolia St	HMB	5/8"	dom	11-Aug	with 1" fire

TOTAL CCWD PRODUCTION (MG) ALL SOURCES- FY 2017

	CCWD Sources			SFPUC Sources		RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
	DENNISTON WELLS	DENNISTON RESERVOIR	PILARCITOS WELLS	PILARCITOS LAKE	CRYSTAL SPRINGS RESERVOIR			
JUL	1.58	15.50	0.00	37.11	7.05	61.24	4.36	56.88
AUG	2.55	10.84	0.00	4.40	51.18	68.97	4.12	64.85
SEPT								
OCT								
NOV								
DEC								
JAN								
FEB								
MAR								
APR								
MAY								
JUN								
TOTAL	4.13	26.34	0.00	41.51	58.23	130.21	8.48	121.73
% MONTHLY TOTAL	3.70%	15.72%	0.00%	6.38%	74.21%	100.00%	7.12%	92.88%
% ANNUAL TO DATE TOTAL	3.2%	20.2%	0.0%	31.9%	44.7%	100.0%	6.51%	93.5%
Local vs Imported-month	25.8%	74.21%	CCWD vs SFPUC- month		19.4%	80.6%		
Local vs Imported-annual	55.3%	44.7%	CCWD vs SFPUC- annual		23.4%	76.6%		
	Local Source	Imported Source						

12 Month Running Treated Total 582.81

TOTAL CCWD PRODUCTION (MG) ALL SOURCES- FY 2016

	DENNISTON WELLS	DENNISTON RESERVOIR	PILARCITOS WELLS	PILARCITOS RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
JUL	0.00	0.00	0.00	0.00	57.33	57.33	2.57	54.76
AUG	0.00	0.00	0.00	0.00	62.00	62.00	2.07	59.93
SEPT	0.00	0.00	0.00	0.00	59.07	59.07	2.93	56.14
OCT	0.00	0.00	0.00	0.00	56.60	56.60	2.44	54.16
NOV	0.00	0.00	2.07	0.00	42.44	44.51	2.45	42.06
DEC	0.00	12.51	9.44	0.00	17.68	39.63	3.03	36.60
JAN	0.00	11.84	15.14	0.00	10.96	37.94	2.67	35.27
FEB	0.00	17.51	11.08	7.89	3.27	39.75	2.19	37.56
MAR	0.05	9.33	13.85	15.86	0.11	39.20	3.21	35.99
APR	0.00	18.08	13.24	10.30	1.96	43.58	3.26	40.32
MAY	0.00	24.01	2.70	33.79	4.03	64.53	3.92	60.62
JUN	1.45	18.80	0	39.29	7.69	67.23	4.87	62.36
TOTAL	1.50	112.08	67.52	107.13	323.15	611.37	35.60	575.77
% TOTAL	0.2%	18.3%	11.0%	17.5%	52.9%	100.0%	5.82%	94.2%

 denotes estimated due to faulty SFPUC meter

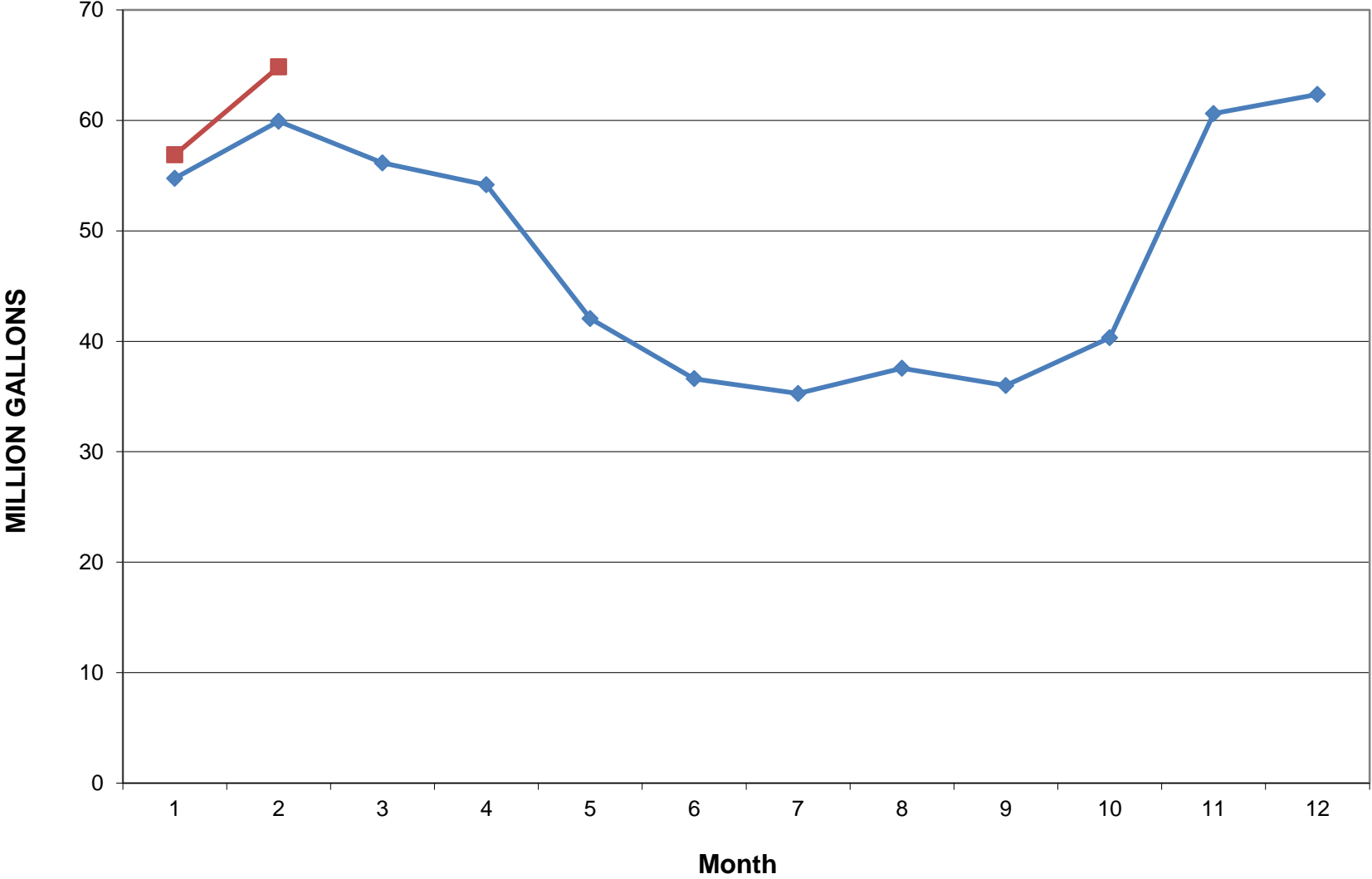
COASTSIDE COUNTY WATER DISTRICT

Predicted vs Actual Production - All Sources FY 17

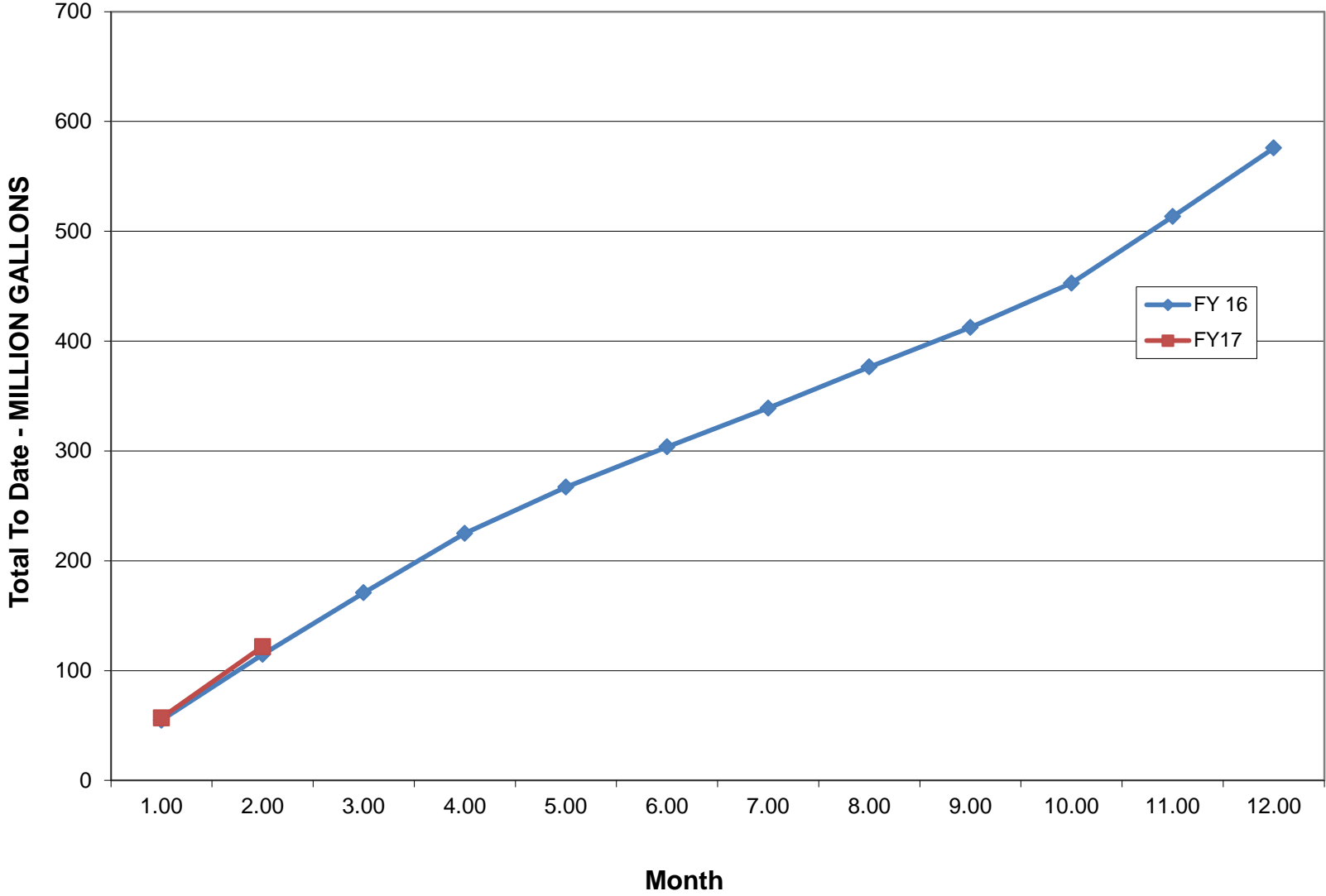
	Denniston Surface			Denniston Wells			Pilarcitos Wells			Pilarcitos Surface			SFWD CSP			SFWD Total	
	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG
Jul-16	15.50	0.00	-15.50	1.58	0.00	-1.58	0.00	0.00	0.00	37.11	0.00	-37.11	9.62	57.30	47.68	46.73	57.30
Aug-16	10.84	0.00	-10.84	2.55	0.00	-2.55	0.00	0.00	0.00	4.40	0.00	-4.40	51.18	61.04	9.86	55.58	61.04
Sep-16			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	67.77
Oct-16			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	66.27
Nov-16			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	45.33
Dec-16			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	16.64
Jan-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	8.98
Feb-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	8.98
Mar-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	5.31
Apr-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	30.37
May-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	34.11
Jun-17			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	0.00
MG Totals	26.34	0.00	-26.34	4.13	0.00	-4.13	0.00	0.00	0.00	41.51	0.00	-41.51	60.80	118.33	57.53	102.31	402.09

	Actual non SFPUC	Predicted non SFPUC	Actual SFPUC	Predicted SFPUC	TOTAL Actual	TOTAL Predicted	TOTAL Pred-act
	30.47	0.00	102.31	118.33	132.78	118.33	-14.45
% Total	22.95%	0.00%	77.05%	100.00%	112.21%		

Monthly Production FY 16 vs FY 17



Cumulative Production FY 16 vs.FY17



Plant Water Use*			Unmetered Water								2016		MG	
	Denniston Plant	Nunes Plant	Total	Main Flushing	Detector Checks*	Main Breaks	Fire Dept	Miscellaneous	Denniston Holding Pond	Autoflush	Tank Level Difference	Total		
JAN	1.070	1.430	2.500	0.005	0.022	0.000	0.006	0.000	0.013	0.139	0.002	2.686		
FEB	1.220	1.130	2.350	0.001	0.012	0.010	0.000	0.000	0.011	0.139	-0.326	2.197		
MAR	0.850	1.610	2.460	0.000	0.011	0.010	0.030	0.013	0.270	0.139	0.274	3.206		
APR	1.740	1.400	3.140	0.000	0.008	0.030	0.000	0.000	0.000	0.139	0.149	3.466		
MAY	1.920	1.560	3.480	0.000	0.019	0.173	0.000	0.000	0.000	0.139	0.153	3.964		
JUN	1.740	1.790	3.530	0.872	0.010	0.309	0.000	0.000	0.000	0.139	0.006	4.867		
JUL	1.810	2.150	3.960	0.512	0.009	0.011	0.000	0.000	0.000	0.139	-0.273	4.358		
AUG	1.380	1.980	3.360	0.000	0.011	0.089	0.000	0.000	0.283	0.139	0.240	4.123		
SEP												0.000		
OCT												0.000		
NOV												0.000		
DEC												0.000		
TOTAL	11.73	13.05	24.78	1.39	0.10	0.63	0.04			1.11	0.23	28.87		

Coastside County Water District Monthly Sales By Category (MG)

	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	MG to Date
RESIDENTIAL	19.638	39.197											58.83
COMMERCIAL	3.731	3.032											6.76
RESTAURANT	1.745	1.569											3.31
HOTELS/MOTELS	3.004	3.420											6.42
SCHOOLS	0.659	0.754											1.41
MULTI DWELL	2.572	2.697											5.27
BEACHES/PARKS	0.579	0.500											1.08
AGRICULTURE	5.160	5.131											10.29
RECREATIONAL	0.242	0.282											0.52
MARINE	0.498	0.524											1.02
IRRIGATION	1.538	3.239											4.78
RAW WATER	10.081	8.593											18.67
Portable Meters	0.099	0.895											0.99
TOTAL - MG	49.55	69.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.38

Non Residential Usage 29.907 30.637 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
Running 12 Month Total 564.57
 12 mo Ave Residential **293.47**
 12 mo Ave Non Residential **271.11**
 Total #VALUE! 564.57 #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE! #VALUE!

FY 2016

	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	MG to Date
RESIDENTIAL	16.404	36.028	19.921	35.811	17.330	26.355	15.604	26.528	14.252	23.645	17.277	37.908	287.06
COMMERCIAL	5.667	3.049	3.291	2.591	2.874	2.085	2.685	2.306	2.777	1.976	3.822	2.684	35.81
RESTAURANT	1.461	1.871	1.921	1.486	1.462	1.132	1.530	1.254	1.523	1.034	1.946	1.354	17.98
HOTELS/MOTELS	2.439	3.397	3.086	2.502	2.528	1.985	2.440	2.164	2.352	2.035	3.535	2.573	31.04
SCHOOLS	0.530	0.619	0.782	0.830	0.536	0.261	0.194	0.297	0.309	0.221	0.791	0.688	6.06
MULTI DWELL	1.815	2.930	2.426	2.736	2.135	2.387	2.422	2.558	2.155	2.127	2.922	2.786	29.40
BEACHES/PARKS	0.413	0.498	0.673	0.352	0.287	0.158	0.162	0.153	0.178	0.141	0.356	0.429	3.80
AGRICULTURE	4.342	5.487	4.794	5.120	5.653	3.664	3.549	4.523	5.588	4.971	7.473	4.559	59.72
RECREATIONAL	0.173	0.263	0.209	0.206	0.158	0.153	0.161	0.166	0.154	0.153	0.245	0.220	2.26
MARINE	0.491	0.592	0.680	0.425	0.397	0.260	0.328	0.278	0.373	0.442	0.652	0.445	5.36
IRRIGATION	8.677	13.483	12.064	7.158	5.822	2.112	1.650	1.629	1.334	1.278	7.184	12.122	74.51
Portable Meters	0.697	1.057	0.560	0.687	0.518	0.144	0.066	0.099	0.122	0.141	0.231	0.254	4.58
TOTAL - MG	43.11	69.27	50.41	59.90	39.70	40.69	30.79	41.96	31.12	38.16	46.43	66.02	557.58

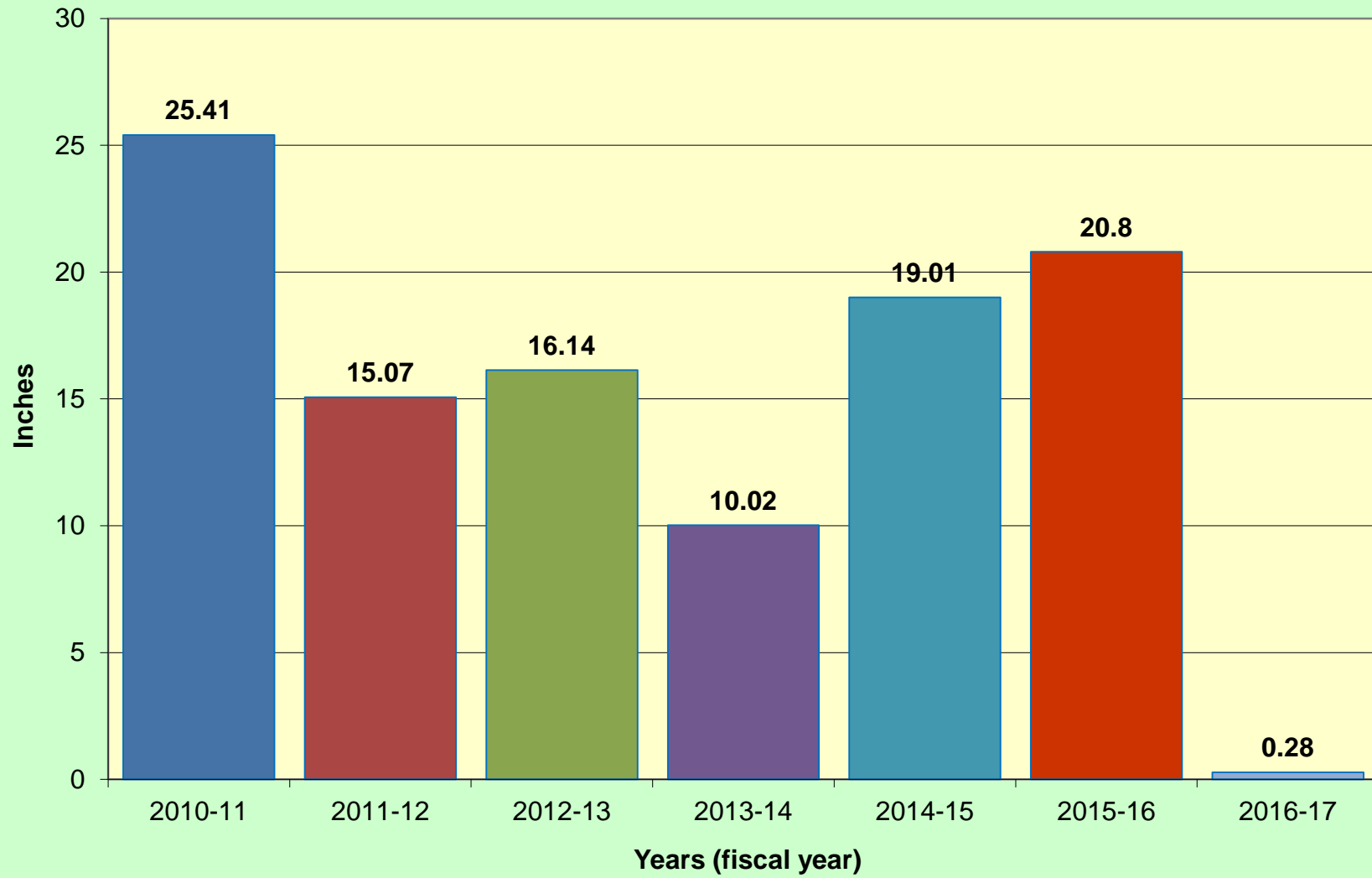
Non Residential Usage 26.706 33.246 30.486 24.093 22.371 14.340 15.187 15.428 16.865 14.519 29.156 28.114
Running 12 Month Total
 12 mo Ave Residential 1.37 4.37 6.03 9.01 10.46 12.65 13.95 16.17 17.35 19.32 20.76 23.92
 12 mo Ave Non Residential 2.23 5.00 7.54 9.54 11.41 12.60 13.87 15.15 16.56 17.77 20.20 22.54
 Total 3.59 9.37 13.57 18.56 21.87 25.26 27.82 31.32 33.91 37.09 40.96 46.46

MONTH/YEAR		AUGUST		2016		Coastside County Water District Monthly Discharge Report												
EMERGENCY MAIN AND SERVICE REPAIRS																		
	Date Reported Discovered	Date Repaired	Location	Pipe Class	Pipe Size & Type	Estimated Water Loss (Gallons)*	Environmental Damage? Y/N **	If Yes chlorine residual after dechlor	Equipment Costs	Material Costs	Employee hours		Labor Costs	Total Costs				
											Staff	Hours						
1	8/3/2016	8/4/16	Myrtle Street															
				S	3/4"	6,000	N	N	\$750.00	\$299.00	3	5	\$750	\$1,799.00				
2	8/4/2016	8/5/2016	640 The Alameda															
				S	3/4"	1,000	N	N	\$750.00	\$279.00	4	5	\$1,000	\$2,029.00				
3	8/7/2016	8/8/2016	785 Railroad HMB															
				S	6" DI	3,000	N	N	\$750.00	\$369.00	3	5	\$750	\$1,869.00				
4	8/9/2016	8/9/2016	Wavecrest road															
				M	2" Galv.	9,000	N	N	\$600.00	\$260.00	4	4	\$800	\$1,660.00				
5	8/10/2016	8/10/2016	RailRaod Ave HMB															
				M	6" DI	15,000	N	N	\$750.00	\$369.00	4	5	\$1,000	\$2,119.00				
6	8/12/2016	8/12/2016	Wavecrest road															
				M	2" Galv	10,000	N	N	\$750.00	\$280.00	3	5	\$750	\$1,780.00				
7	8/12/2016	8/18/2016	Rocket farms HMB						Andreini Cost									
				S	2" PL	10,000	N	N	\$12,875.00	\$1,843.54			\$1,000	\$15,718.54				
8	8/27/2016	8/30/2016	221 Correas Street HMB															
				M	6'DI	10,000	N	N	\$1,750.00	\$589.00	4	7	\$1,400	\$3,739.00				
9	8/29/2016	8/31/2016	Second x Grove Street HMB															
				V	6'DI	25,000	N	N	\$1,750.00	\$1,571.85	4	7	\$1,400	\$4,721.85				
MONTH/YEAR				89,000				\$20,725.00	\$5,860.39			\$8,850	\$35,435.39					

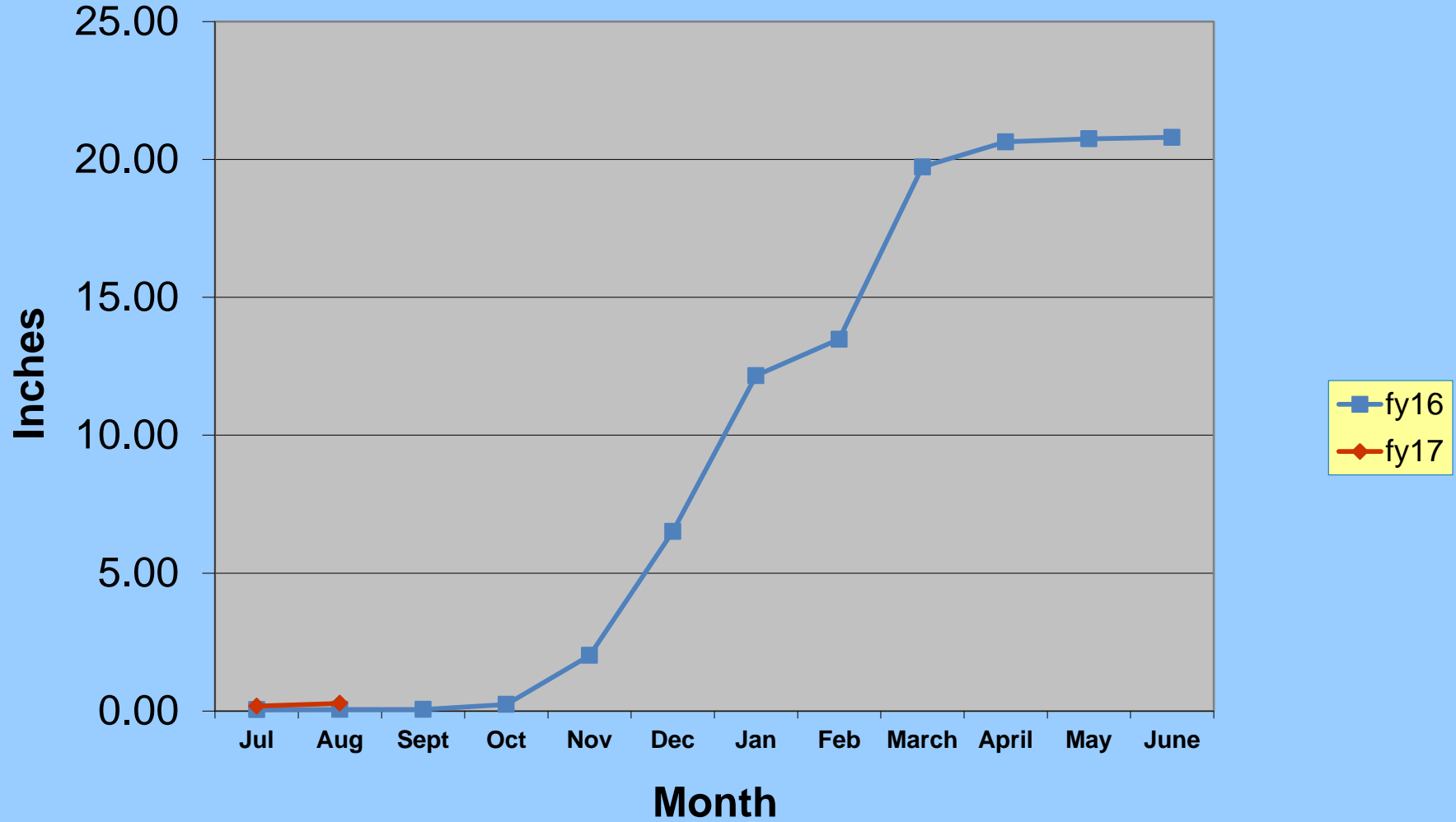
NEW WATER LINE FLUSHING REPORT								OTHER DISCHARGES			
	Date	Project/Location	Pipe Size & Type	Estimated Water Flushed (Gallons)	Chlorine Residual after dechlor	pH	Duration of Discharge (minutes)	Total Volumes (gallons)			
1								Flushing Program			
2								Reservoir Cleaning			
3								Automatic Blowoffs	139,000		
3								Dewatering Operations	282,834		
4								Other (includes flow testing)			
DEWATERING OPERATIONS GREATER THAN 350,000 GALLONS (requires prenotification to CWRCB)								Number of planned or emergency discharges greater than 50,000 gallons			
	Date	Location	Volume	pH			Chlorine Residual after dechlor			Duration (min)	3
				5 min	20 min	end	5 min	20 min	end		
1											
2											
ANNUAL REPRESENTATIVE MONITORING											PLANNED DISCHARGES GRAND TOTAL (MG)
	Date	Location	Volume	pH	Chlorine Residual after dechlor						
1	5-Aug	Denniston Pond	30,723 gal	7.96	0.04						421,834

Rain Totals

Fiscal Years 11 - 17



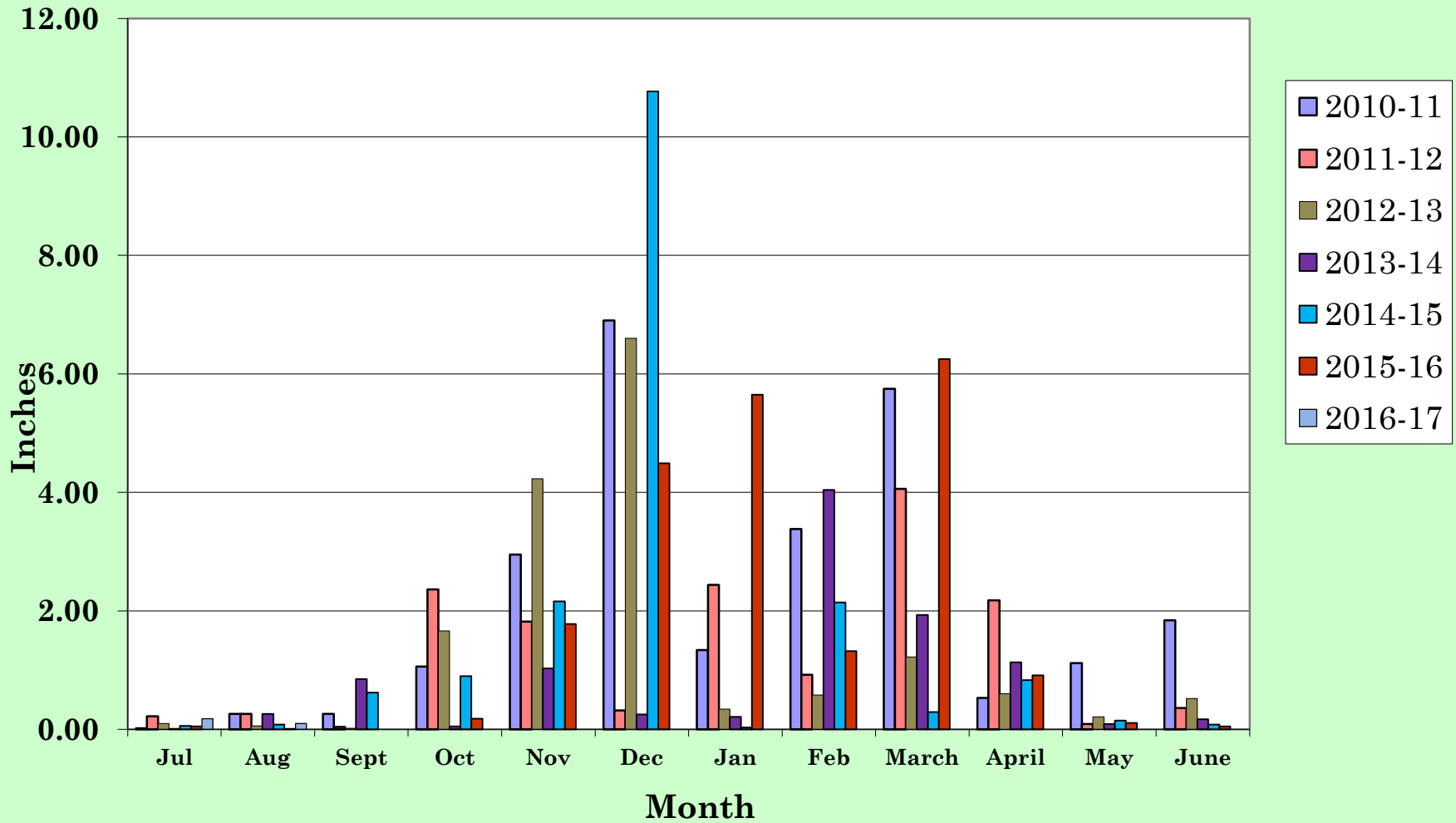
Rainfall Total Comparison Fiscal Years 16 and 17



Coastside County Water District

Rainfall by Month

Fiscal Years 11 - 17



MONTHLY CLIMATOLOGICAL SUMMARY for AUG. 2016

NAME: CCWD weather station CITY: STATE:
 ELEV: 80 ft LAT: 37° 18' 00" N LONG: 122° 18' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN TEMP	HIGH	TIME	LOW	TIME	HEAT DEG DAYS	COOL DEG DAYS	RAIN	AVG WIND SPEED	HIGH	TIME	DOM DIR
1	60.8	65.9	2:00p	57.5	12:00m	4.2	0.0	0.00	2.1	10.0	10:30a	WSW
2	57.9	63.2	2:00p	54.7	12:00m	7.1	0.0	0.00	1.3	10.0	1:00p	W
3	57.0	65.8	2:30p	51.8	7:00a	8.0	0.0	0.00	1.4	11.0	2:30p	W
4	57.9	63.9	2:00p	55.2	7:00a	7.2	0.0	0.00	1.3	10.0	3:00p	W
5	57.0	60.9	3:30p	54.2	12:00m	8.0	0.0	0.04	1.7	10.0	3:00p	WSW
6	56.4	61.1	2:30p	53.8	4:30a	8.6	0.0	0.00	1.2	10.0	3:30p	W
7	58.3	63.0	3:30p	54.9	7:30a	6.7	0.0	0.00	1.6	12.0	12:30p	W
8	58.3	64.2	5:00p	55.3	6:00a	6.7	0.0	0.00	1.4	12.0	4:30p	W
9	58.1	66.6	2:00p	55.0	12:00m	6.9	0.0	0.01	1.8	13.0	3:00p	WSW
10	55.1	55.7	5:30a	54.8	2:30a	2.3	0.0	0.00	0.3	7.0	2:30a	SSW
11	59.7	65.1	2:30p	55.2	9:00a	3.4	0.0	0.00	1.1	11.0	1:00p	WSW
12	56.9	64.0	3:30p	53.3	7:00a	8.1	0.0	0.01	0.8	9.0	12:00p	W
13	56.6	63.7	3:30p	50.4	7:00a	8.4	0.0	0.00	1.0	11.0	2:30p	W
14	56.6	62.3	3:00p	53.6	6:30a	8.4	0.0	0.00	1.3	11.0	12:30p	W
15	56.3	62.2	3:00p	53.0	7:00a	8.7	0.0	0.01	1.0	10.0	1:30p	W
16	56.2	63.7	4:00p	50.7	7:30a	8.8	0.0	0.01	0.9	9.0	1:30p	W
17	57.7	65.1	4:00p	53.2	5:30a	7.3	0.0	0.01	1.3	12.0	2:00p	WSW
18	59.2	66.7	3:00p	54.3	7:00a	5.9	0.1	0.01	1.4	12.0	2:30p	WSW
19	59.7	65.8	2:00p	56.0	6:30a	5.3	0.0	0.00	1.3	10.0	2:00p	WSW
20	58.9	63.3	3:30p	56.6	6:30a	6.1	0.0	0.00	0.8	9.0	1:30p	W
21	59.5	64.6	2:00p	57.2	6:30a	5.5	0.0	0.00	0.9	10.0	4:00p	W
22	59.3	63.1	1:30p	57.8	6:30a	5.7	0.0	0.00	0.9	10.0	2:00p	W
23	60.6	65.9	2:00p	57.5	7:00a	4.4	0.0	0.00	1.3	10.0	2:00p	WSW
24	58.5	62.5	1:30p	56.3	12:00m	6.5	0.0	0.00	1.1	10.0	12:30p	W
25	58.4	63.7	3:00p	54.9	5:30a	6.6	0.0	0.00	1.0	10.0	2:00p	W
26	62.0	69.7	2:30p	58.3	4:30a	3.6	0.6	0.00	2.3	18.0	1:30p	WSW
27	62.6	67.4	3:30p	60.4	6:00a	2.6	0.2	0.00	1.8	11.0	12:30p	WSW
28	62.3	67.6	4:00p	59.5	12:00m	3.0	0.3	0.00	1.2	11.0	11:00a	W
29	61.2	66.2	4:00p	57.0	4:00a	3.9	0.0	0.00	2.0	14.0	1:00p	W
30	62.5	67.7	4:00p	59.2	12:00m	2.8	0.3	0.00	1.7	15.0	4:30p	W
31	60.8	65.7	3:00p	57.4	1:30a	4.2	0.0	0.00	1.4	10.0	12:30p	W
	58.8	69.7	26	50.4	13	184.9	1.5	0.10	1.3	18.0	26	W

Max >= 90.0: 0
 Max <= 32.0: 0
 Min <= 32.0: 0
 Min <= 0.0: 0

Max Rain: 0.04 ON 08/05/16

Days of Rain: 1 (>.01 in) 0 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

STAFF REPORT

To: Coastside County Water District Board of Directors

From: Dave Dickson, General Manager

Agenda: September 13, 2016

Date: September 8, 2016

**Subject: Acceptance of Subdivision Utility System
Ailanto Properties Pacific Ridge Subdivision
Pacific Ridge - Phase I, Half Moon Bay**

Recommendation:

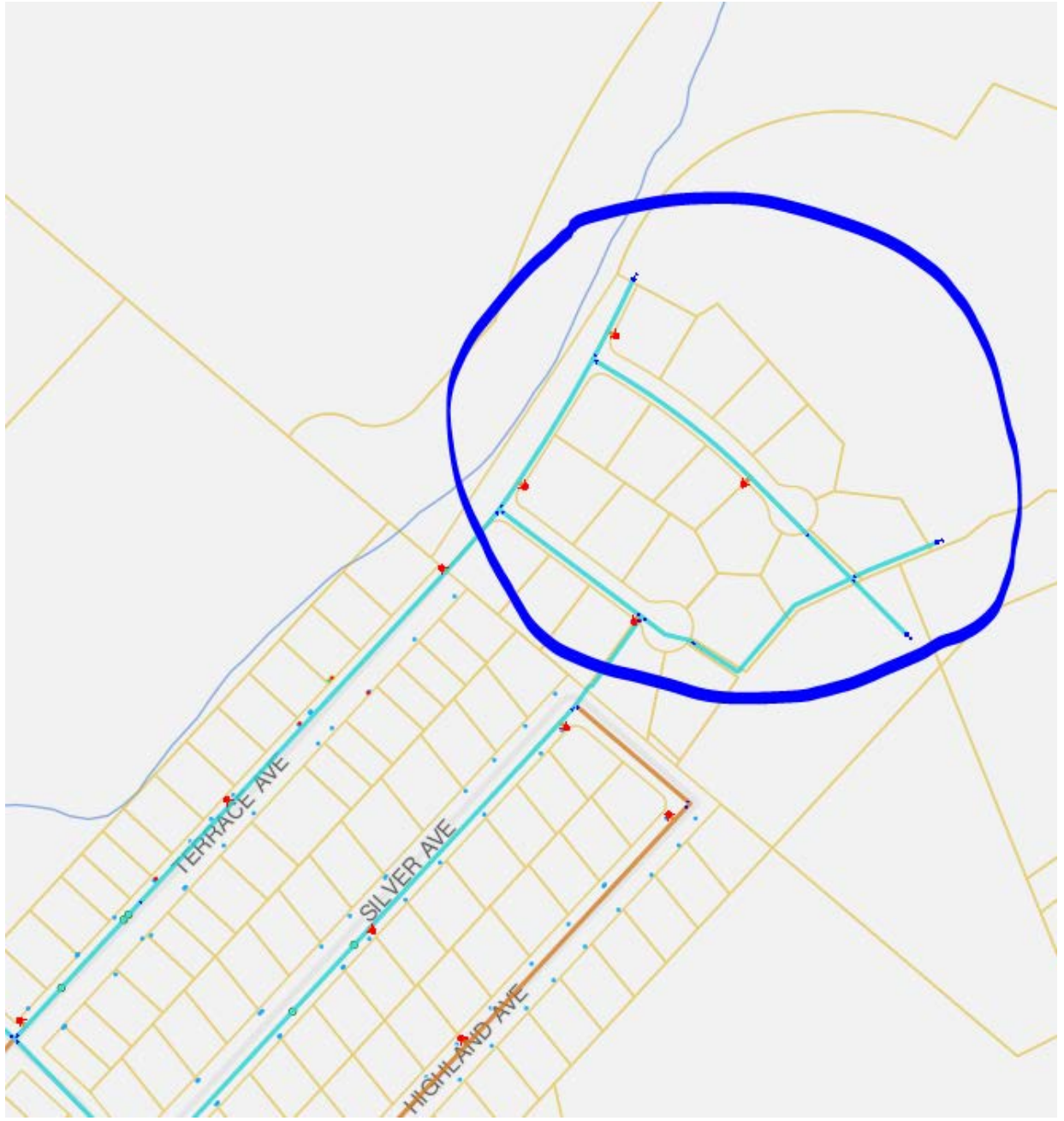
Accept the Subdivision Utility System for Pacific Ridge Phase I, Half Moon Bay (APN's 056-350-010 and 048-269-220) in accordance with the terms of the Water Service Agreement (Agreement) between Coastside County Water District (District) and Ailanto Properties, Inc. (Applicant) dated September 8, 2009, as complete.

Background:

The Subdivision Utility System for Pacific Ridge was completed in September 2016 in accordance with the District regulations. The Applicant has met all of the conditions specified in the Agreement.

Fiscal Impact:

None. All costs for the construction of the project have been borne by the applicant.



San Francisco Public Utilities Commission Hydrological Conditions Report For July 2016

J. Chester, C. Graham, A. Mazurkiewicz, & M. Tsang, August 12, 2016



The **South Fork Crossing Camp** on the South Fork of the Tuolumne River was one of the access points for the boring of Mountain Tunnel. The camp was riddled by rockfall due to the steep terrain. A pipe was initially installed to span the canyon, however due to the amount of damage caused by rockfall on the pipe, a tunnel was later bored under the river.

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

Table 1 Current Storage As of August 1, 2016							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percentage of Maximum Storage
	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	
Tuolumne System							
Hetch Hetchy ¹	346,845		360,360		13,515		96.2%
Cherry ²	255,802		273,340		17,538		93.6%
Lake Eleanor ³	22,797		27,100		4,303		84.1%
Water Bank	421,410		570,000		148,590		73.9%
Tuolumne Storage	1,046,854		1,230,800		183,946		85.1%
Local Bay Area Storage							
Calaveras ⁴	35,419	11,541	96,824	31,550	61,405	20,009	36.6%
San Antonio	43,522	14,182	50,496	16,454	6,974	2,272	86.2%
Crystal Springs	53,510	17,436	58,377	19,022	4,866	1,586	91.7%
San Andreas	18,056	5,883	18,996	6,190	941	307	95.1%
Pilarcitos	2,496	813	2,995	976	499	163	83.3%
Total Local Storage	153,003	49,856	227,688	74,192	74,685	24,336	67.2%
Total System	1,199,857		1,458,488		258,631		82.3%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates activated.

² Maximum Cherry Reservoir storage with flash-boards installed.

³ Maximum Lake Eleanor storage with flash-boards installed.

⁴ Available capacity does not take into account current DSOD storage restrictions.

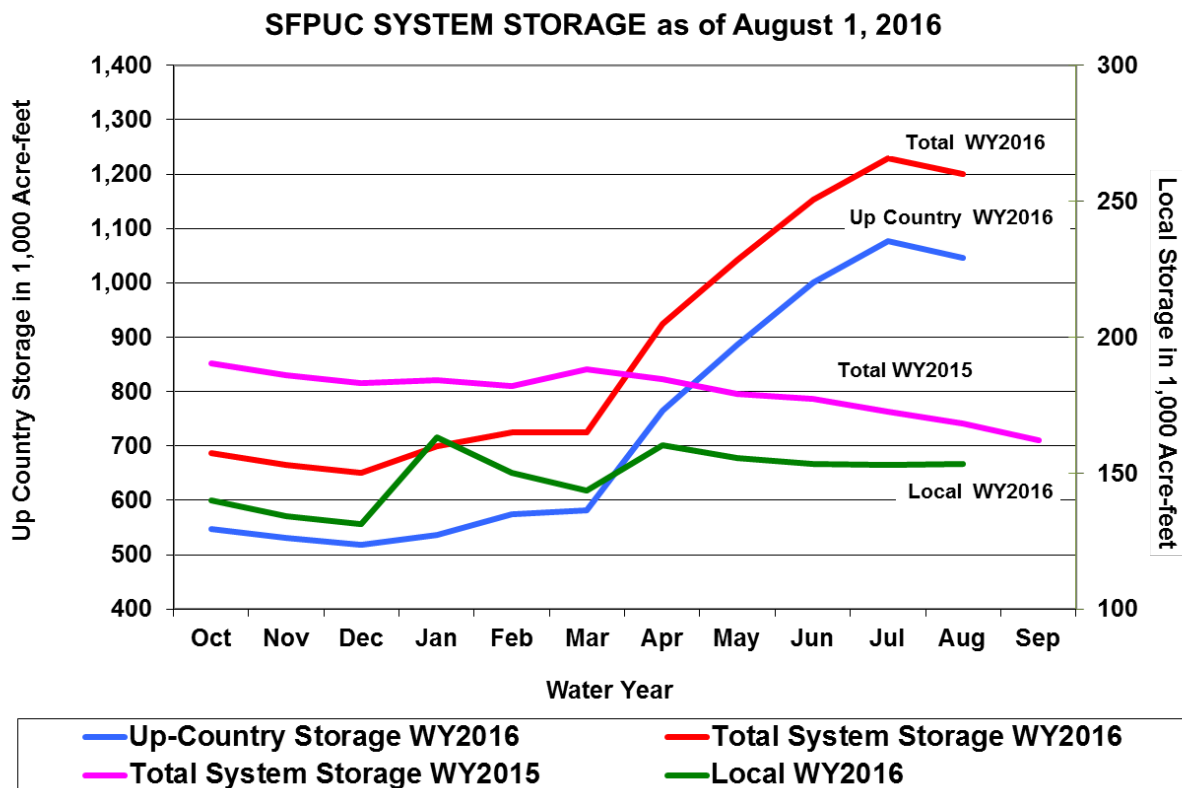


Figure 1: Monthly system storage for water year 2016

Hetch Hetchy System Precipitation Index ^{5/}

Current Month: The July six-station precipitation index was zero inch, or 0.0% of the average index for the month.

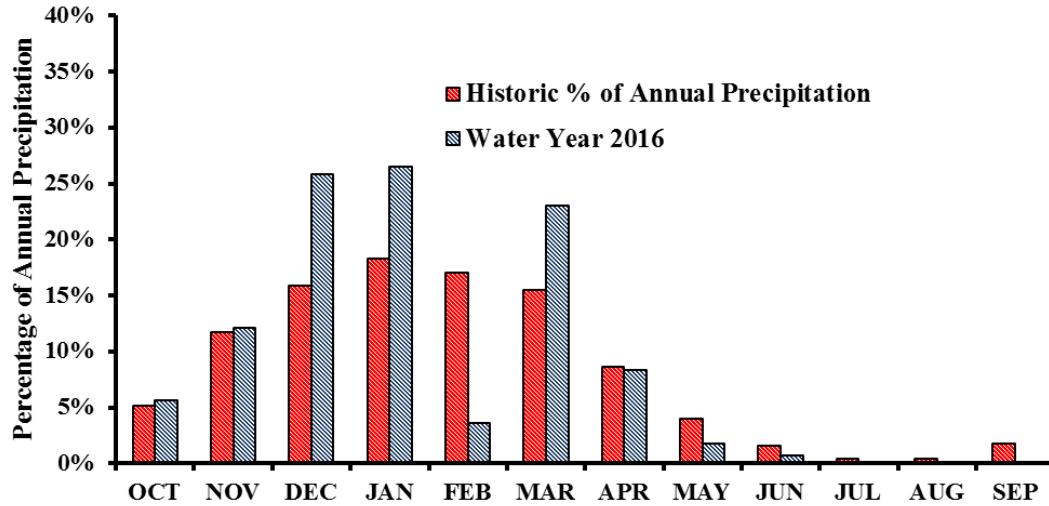


Figure 2: Monthly distribution of the Hetch Hetchy Six-station precipitation index as percent of the annual average precipitation.

Cumulative Precipitation to Date: The accumulated six-station precipitation index for water year 2016 is 37.99 inches, which is 106.8% of the average annual water year total, or 109.6% of average annual to date. Hetch Hetchy received no precipitation in July, a total of 37.93 inches for water year 2016 to date. The cumulative Hetch Hetchy precipitation is shown in Figure 3 in red.

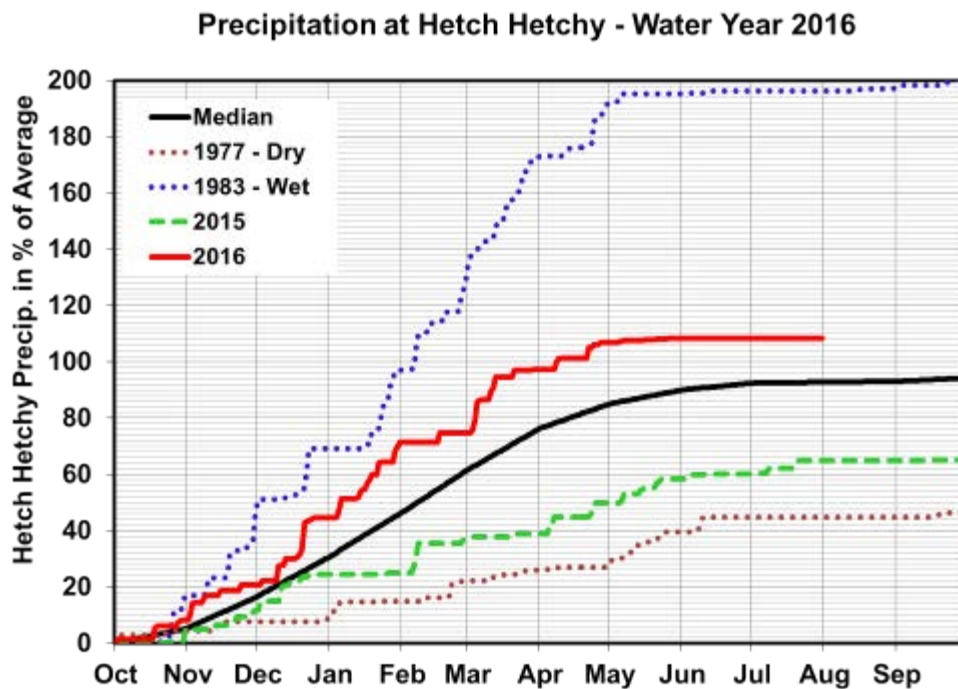


Figure 3: Water year 2016 cumulative precipitation measured at Hetch Hetchy Reservoir through July 31st, 2016. Precipitation at the Hetch Hetchy gauge for wet, dry, median, and WY 2015 are included for comparison purposes.

^{5/}The precipitation index is computed using six Sierra precipitation stations and is an indicator of the wetness of the basin for the water year to date. The index is computed as the average of the six stations and is expressed in inches and in percent.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange as of July 31st is summarized below in Table 2.

Table 2 Unimpaired Inflow Acre-Feet								
	July 2016				October 1, 2015 through July 31, 2016			
	Observed Flow	Median ⁶	Average ⁶	Percent of Average	Observed Flow	Median ⁶	Average ⁶	Percent of Average
Inflow to Hetch Hetchy Reservoir	29,905	43,962	75,666	39.5%	779,843	690,063	718,528	108.5%
Inflow to Cherry Reservoir and Lake Eleanor	3,693	12,532	26,594	13.9%	438,795	438,496	445,717	98.4%
Tuolumne River at La Grange	43,916	66,625	118,790	37%	1,806,904	1,653,667	1,778,738	101.6%
Water Available to the City	0	1,193	46,762	0.0%	651,330	579,119	763,043	85.4%

⁶ Hydrologic Record: 1919 – 2015

Hetch Hetchy System Operations

Draft and releases from Hetch Hetchy Reservoir during the month of July totaled 44,142 acre-feet to meet SJPL deliveries, instream release requirements, and reservoir management goals.

The instream release schedule at Hetch Hetchy Reservoir for the month of July was year type A (normal to wet conditions). This year type is based upon accumulated runoff from October 1st, 2015 through June 30th, 2016. The instream release requirement from Hetch Hetchy Reservoir was 125 cfs throughout July. The cumulative inflow through July 31, 2016 at Hetch Hetchy Reservoir meets the criteria to maintain a water year type A. The Hetch Hetchy instream release requirement for August is 125 cfs.

20,313 acre-feet of draft was made from Cherry Reservoir during the month of July to meet instream release requirements and to meet reservoir management goals. About 3,336 acre-feet of water was transferred via pumping from Lake Eleanor to Cherry Reservoir in June. The required minimum instream release from Cherry Reservoir was 15 cfs in July. Instream release requirements from Lake Eleanor were 20 cfs in July. In the month of August, 15 cfs is required below Cherry Reservoir and 20 cfs is required below Lake Eleanor.

Regional System Treatment Plant Production

The Harry Tracy Water Treatment Plant average production rate for July was 30 MGD. The Sunol Valley Water Treatment Plant average production for the month was 1 MGD.

Local System Water Delivery

The average July delivery rate was 224 MGD which is a 4% increase above the June delivery rate of 215 MGD.

Local Precipitation

During the month periodic foggy atmospheric conditions in the Pilarcitos watershed produced quantifiable fog-derived precipitation, or fog drip, which was recorded in the local precipitation gauge. The July rainfall summary is presented in Table 3.

Reservoir	Month Total (inches)	Percentage of Average for the Month	Water Year to Date ⁷ (inches)	Percentage of Average for the Year-to-Date ⁷
Pilarcitos	0.05	63 %	40.76	105 %
Lower Crystal Springs	0.00	0 %	27.62	104 %
Calaveras	0.00	0 %	22.97	107 %

⁷ WY 2016: Oct. 2015 through Sep. 2016.

Snowmelt and Water Supply

Inflows to the Tuolumne Basin reservoirs receded to summer baseflow conditions during the month of July. Releases from Hetch Hetchy Reservoir to meet instream flow requirements and water supply demands began to exceed the inflow to the reservoir on July 10th. Water being released to meet instream flow requirements, recreational releases and power generation are being captured in Water Bank. There have not been precipitation or thunderstorm activities during the summer months as compared to the summer of 2015 where July precipitation was well above normal.

The Tuolumne Basin Water Supply Forecast model was executed on June 1st using the measured snow course, precipitation, and runoff data. The forecast indicated that the median amount of runoff at La Grange this year to be 96% of the long-term median (Figure 4). The median forecast for the April-through-July runoff was about 1,035 TAF, compared to the long-term median measured runoff for the April-through-July period of 1,080 TAF. For natural flow at La Grange, there was an 80 percent chance that the April-through-July natural runoff should be between 1,135 TAF and 945 TAF. The snowmelt runoff period produced 1,023 TAF through July 31st or within 1.2% of the June 1st forecast.

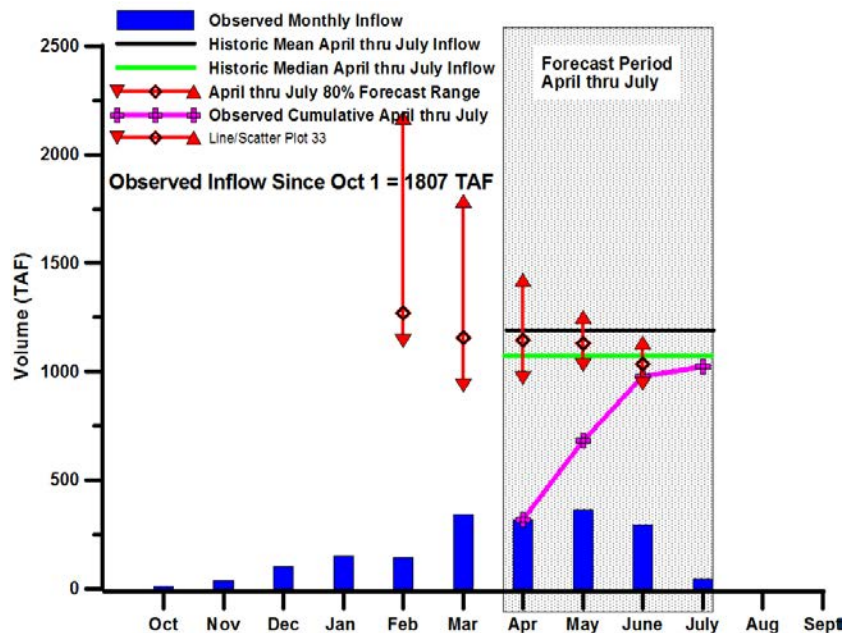
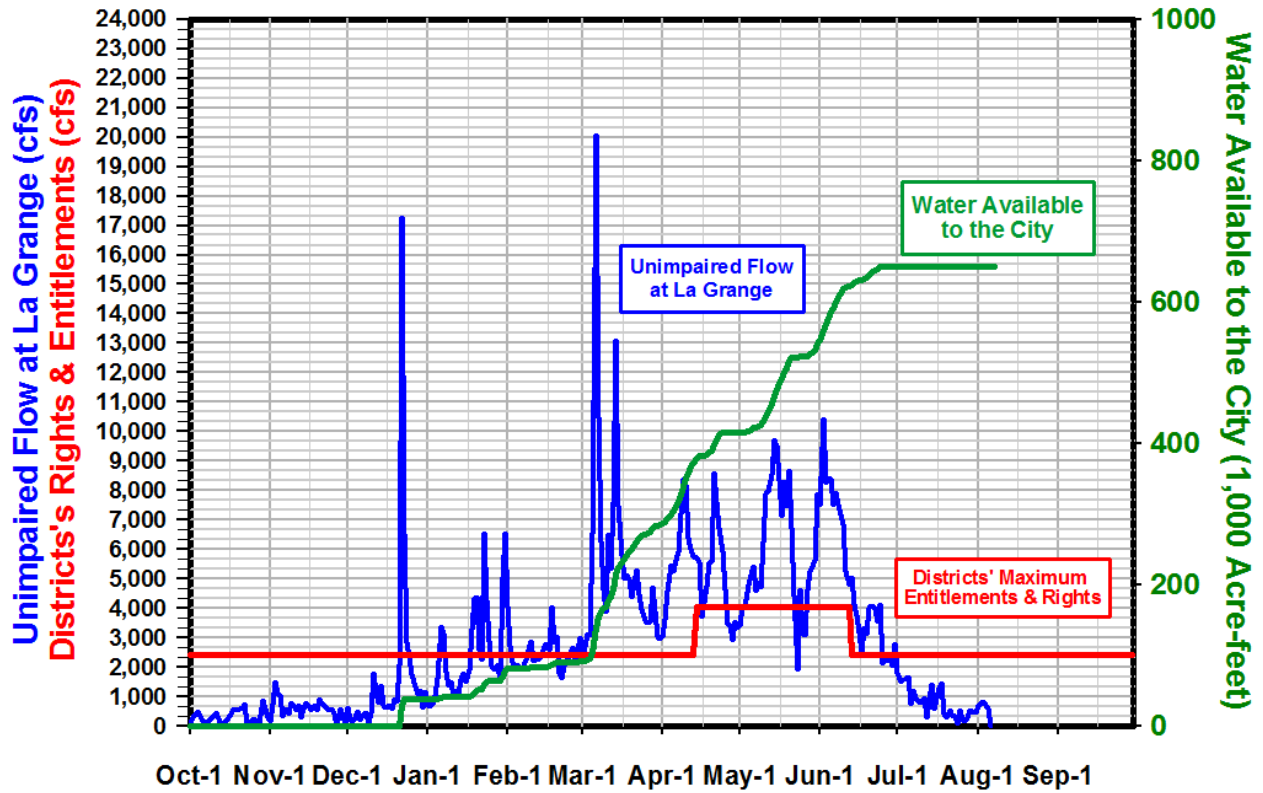


Figure 4: Water year 2016 conditions for the Tuolumne River at La Grange and for the 80% water supply forecast range (triangles represent the 90% and 10% forecasts, the open diamond represents the median forecast).

Unimpaired Flow at La Grange & Water Available to the City



Water Year 2016

Figure 5: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. 651,330 acre-feet of water has become available to the City during water year 2016.

cc	HHWP Records	Gambon, Paul	Levin, Ellen	Ritchie, Steve
	Briggs, David	Graham, Chris	Mazurkiewicz, Adam	Sandkulla, Nicole
	Carlin, Michael	Hale, Barbara	Meier, Steve	Tsang, Michael
	Chester, John	Hannaford, Margaret	Moses, Matt	Williams, Mike
	Chiang, Jiayo	Kelly, Harlan	Patterson, Mike	
	DeGraca, Andrew	Jue, Tyrone	Perl, Charles	
	Dhakal, Amod	Kehoe, Paula	Nelson, Chris	
	Dufour, Alexis	Lehr, Dan	Ramirez, Tim	

San Francisco Public Utilities Commission Hydrological Conditions Report For August 2016

J. Chester, C. Graham, A. Mazurkiewicz, & M. Tsang, September 7, 2016



The **Early Intake Fire** broke out on August 29th in the early afternoon. The fire burned on the hillslope above the Early Intake compound and across HHWP transmission and power distribution pathways. The fire burned over portions of the Kirkwood Penstock as well. Powerhouse operations and water deliveries were not impacted by this 187 acre fire. This is the third fire to burn through this area in the past 15 years --- most recently the 2013 Rim Fire.

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

Table 1 Current Storage As of September 1, 2016							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percentage of Maximum Storage
	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	
Tuolumne System							
Hetch Hetchy ¹	315,258		360,360		45,102		87.5%
Cherry ²	229,566		273,340		43,774		84.0%
Lake Eleanor ³	21,134		27,100		5,966		78.0%
Water Bank	450,529		570,000		119,471		79.0%
Tuolumne Storage	1,016,487		1,230,800		214,313		82.6%
Local Bay Area Storage							
Calaveras ⁴	34,909	11,375	96,824	31,550	61,915	20,175	36.1%
San Antonio	42,884	13,974	50,496	16,454	7,612	2,480	84.9%
Crystal Springs	54,631	17,801	58,377	19,022	3,746	1,221	93.6%
San Andreas	18,008	5,868	18,996	6,190	988	322	94.8%
Pilarcitos	2,442	796	2,995	976	553	180	81.5%
Total Local Storage	152,874	49,814	227,688	74,192	78,814	24,378	67.1%
Total System	1,169,361		1,458,488		293,127		80.2%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates activated.

² Maximum Cherry Reservoir storage with flash-boards installed.

³ Maximum Lake Eleanor storage with flash-boards installed.

⁴ Available capacity does not take into account current DSOD storage restrictions.

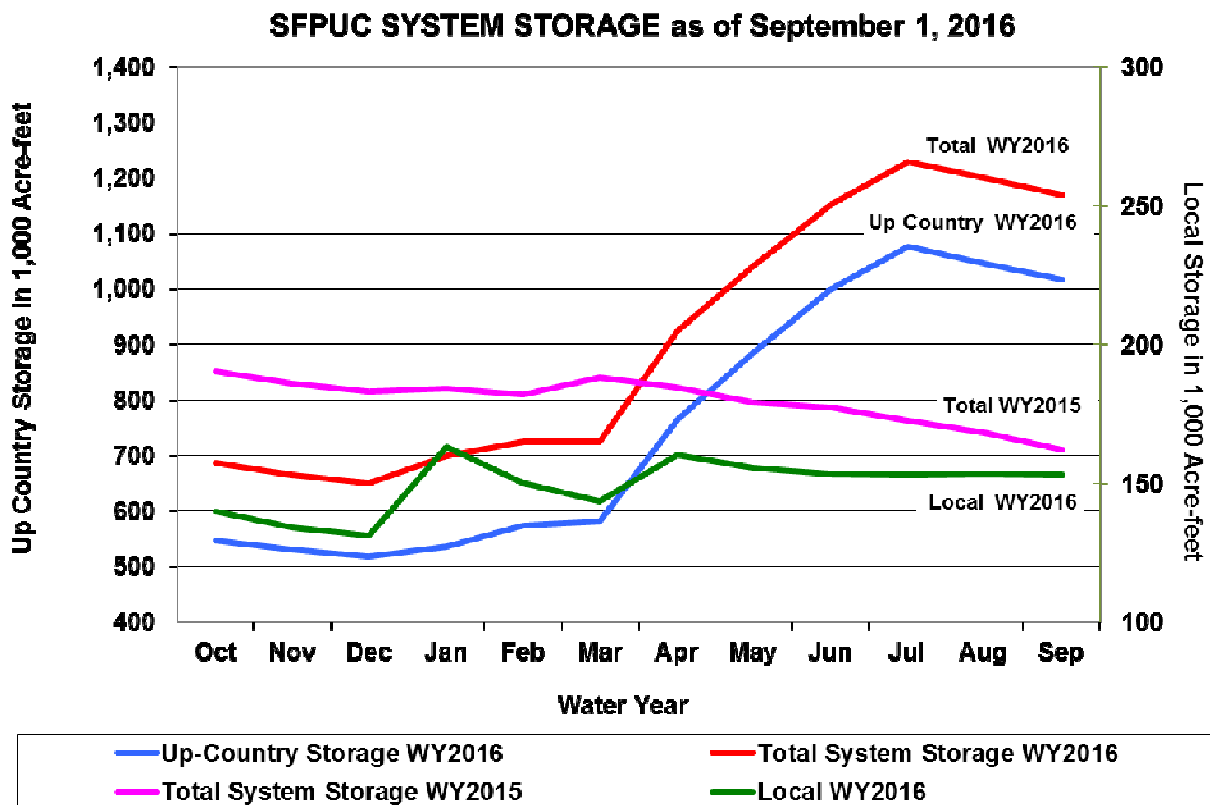


Figure 1: Monthly system storage for water year 2016

Hetch Hetchy System Precipitation Index ^{5/}

Current Month: The August six-station precipitation index was zero inch, or 0.0% of the average index for the month.

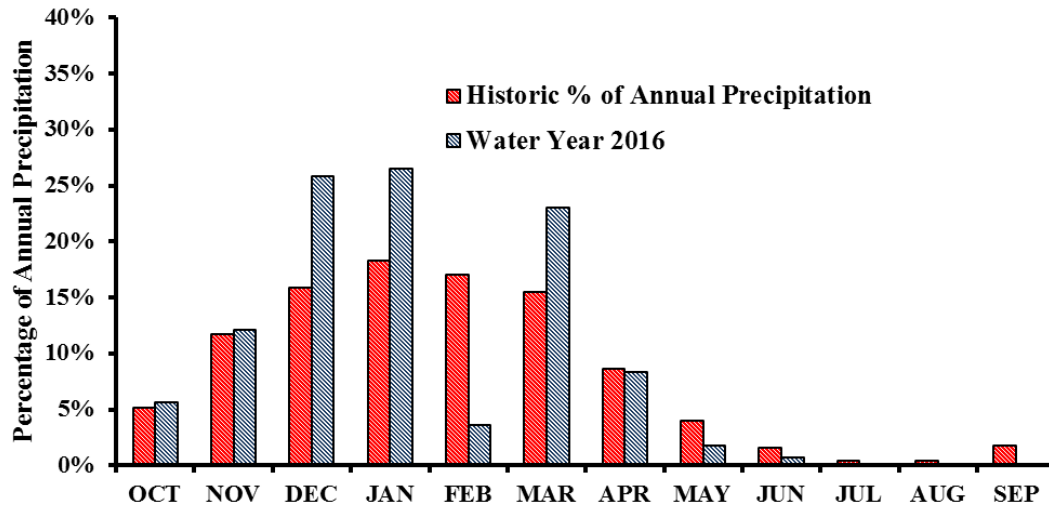


Figure 2: Monthly distribution of the Hetch Hetchy Six-station precipitation index as percent of the annual average precipitation.

Cumulative Precipitation to Date: The accumulated six-station precipitation index for water year 2016 is 37.99 inches, which is 106.8% of the average annual water year total, or 109.2% of average annual to date. Hetch Hetchy received no precipitation in August, a total of 37.93 inches for water year 2016 to date. The cumulative Hetch Hetchy precipitation is shown in Figure 3 in red.

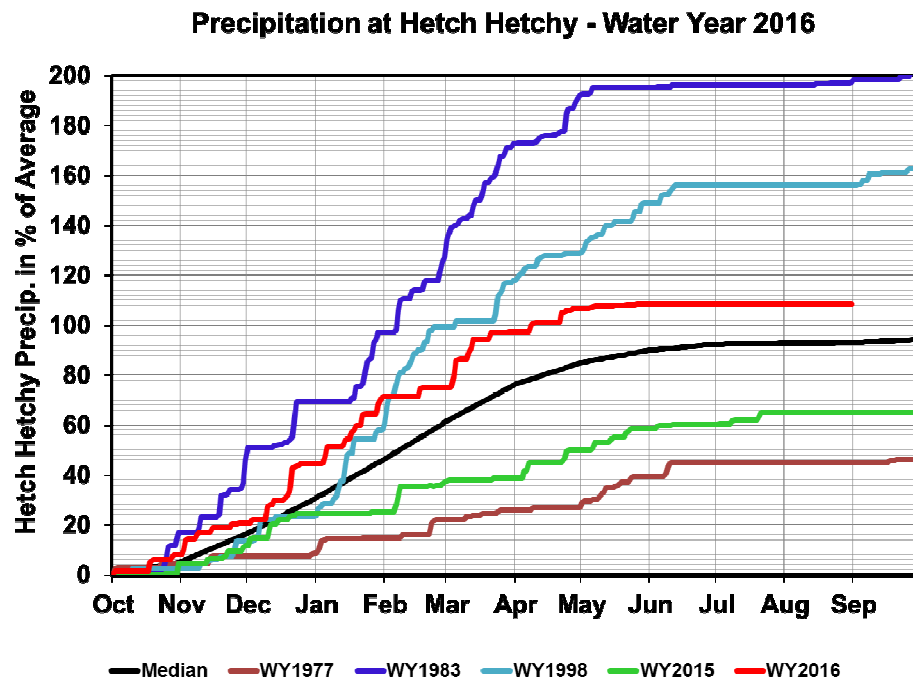


Figure 3: Water year 2016 cumulative precipitation measured at Hetch Hetchy Reservoir through August 31st, 2016. Precipitation at the Hetch Hetchy gauge for wet, dry, median, and WY 2015 are included for comparison purposes.

^{5/}The precipitation index is computed using six Sierra precipitation stations and is an indicator of the wetness of the basin for the water year to date. The index is computed as the average of the six stations and is expressed in inches and in percent.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange as of August 31st is summarized below in Table 2.

	August 2016				October 1, 2015 through August 31, 2016			
	Observed Flow	Median ⁶	Average ⁶	Percent of Average	Observed Flow	Median ⁶	Average ⁶	Percent of Average
Inflow to Hetch Hetchy Reservoir	3,245	7,010	13,817	23.5%	783,088	699,972	732,224	106.9%
Inflow to Cherry Reservoir and Lake Eleanor	0	1,706	3,224	0.0%	434,896	441,894	448,924	96.9%
Tuolumne River at La Grange	9,082	15,673	24,226	37.5%	1,815,986	1,670,349	1,803,120	100.7%
Water Available to the City	0	0	1,375	0.0%	651,330	580,260	764,433	85.2%

⁶Hydrologic Record: 1919 – 2015

Hetch Hetchy System Operations

Draft and releases from Hetch Hetchy Reservoir during the month of August totaled 34,675 acre-feet to meet SJPL deliveries, instream release requirements, and reservoir management goals.

The instream release schedule at Hetch Hetchy Reservoir for the month of August was year type A (normal to wet conditions). This year type is based upon accumulated runoff from October 1st, 2015 through July 31st, 2016. The instream release requirement from Hetch Hetchy Reservoir was 125 cfs throughout August. The cumulative inflow through August 31, 2016 at Hetch Hetchy Reservoir meets the criteria to maintain a water year type A. The Hetch Hetchy instream release requirement is 100 cfs from September 1 to September 15. Afterward, the release is 80 cfs through the end of the month.

22,731 acre-feet of draft was made from Cherry Reservoir during the month of August to meet instream release requirements and to meet reservoir management goals. No water was transferred via pumping from Lake Eleanor to Cherry Reservoir in August. The required minimum instream release from Cherry Reservoir was 15 cfs in August. Instream release requirements from Lake Eleanor were 20 cfs in August. In the month of September, 15 cfs is required below Cherry Reservoir. 20 cfs is required below Lake Eleanor from September 1 to September 15, and 10 cfs is required for the rest of the month.

Regional System Treatment Plant Production

The Harry Tracy Water Treatment Plant average production rate for August was 30 MGD. The Sunol Valley Water Treatment Plant was in standby for the month and production rate was 0 MGD.

Local System Water Delivery

The average August delivery rate was 221 MGD which is a 1% decrease below the July delivery rate of 224 MGD.

Local Precipitation

During the month a small amount of fog drip precipitation was recorded in the Pilarcitos watershed. The August rainfall summary is presented in Table 3.

Reservoir	Month Total (inches)	Percentage of Average for the Month	Water Year to Date ⁷ (inches)	Percentage of Average for the Year-to-Date ⁷
Pilarcitos	0.03	21 %	40.70	105 %
Lower Crystal Springs	0.00	0 %	27.50	103 %
Calaveras	0.00	0 %	22.78	106 %

⁷ WY 2016: Oct. 2015 through Sep. 2016.

Snowmelt and Water Supply

Inflows to the Tuolumne Basin reservoirs receded to summer baseflow conditions during the month of August. Releases from Hetch Hetchy Reservoir to meet instream flow requirements and water supply demands began to exceed the inflow to the reservoir on July 10th, and continued throughout August. Water being released to meet instream flow requirements, recreational releases and power generation are being captured in Water Bank. There has been no measured precipitation at the Hetch Hetchy or Cherry weather stations since June 23. While this has been an above average length without measurable precipitation, it is not uncommon to have extended dry periods in the summer – 20 of the past 100 years have had dry periods longer than 90 days.

While 2016 was above normal in precipitation, the Hetch Hetchy system did not fill completely, unable to refill Water Bank to capacity. The prior 4 years of below average precipitation and runoff reduced storage in Water Bank from a peak of 570 TAF (full) to a low of 60 TAF in April, 2015. The significant amount of water available to the City this winter and spring increased Water Bank storage to over 400 TAF (red line, below), while also allowing upcountry storage to recover (blue line). Throughout the summer, Water Bank has increased due to releases at Holm Powerhouse and releases at each reservoir to meet instream flow requirements. Continued low flows during September should result in continued recession of storage reservoirs and an increase in Water Bank storage.

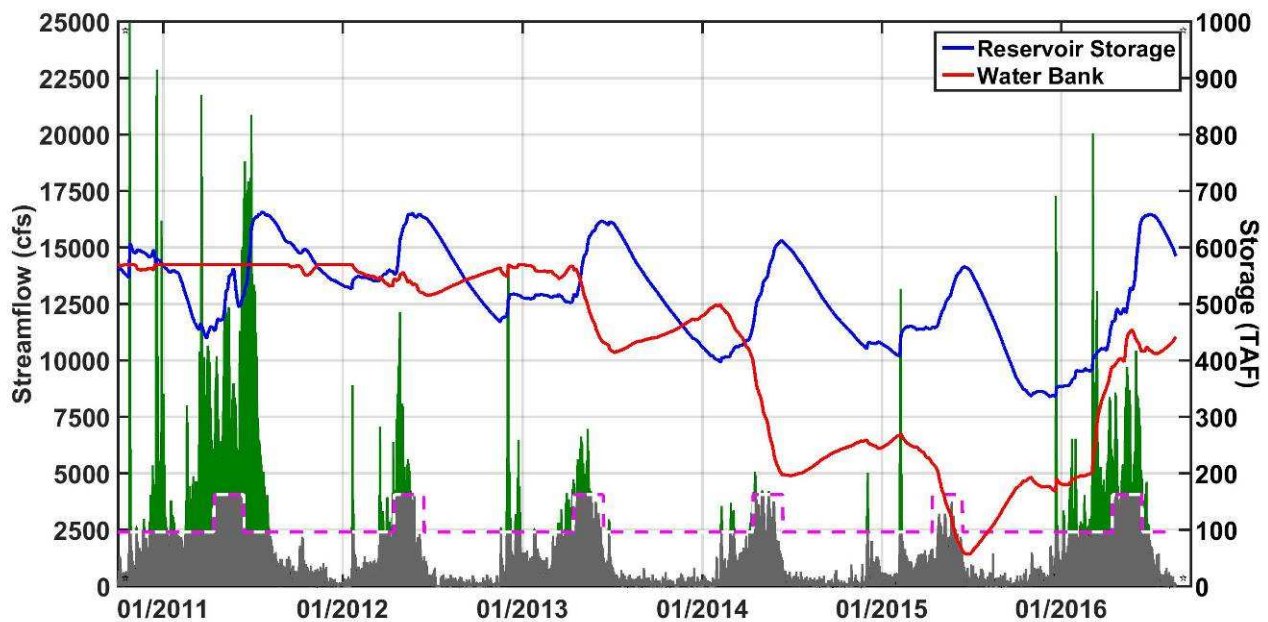


Figure 4: Calculated natural inflows, separated into District entitlements (grey) and water available to the City (green), and Water Bank and Upcountry storage patterns over the past 5 years, including the 4 years of drought.

Unimpaired Flow at La Grange & Water Available to the City

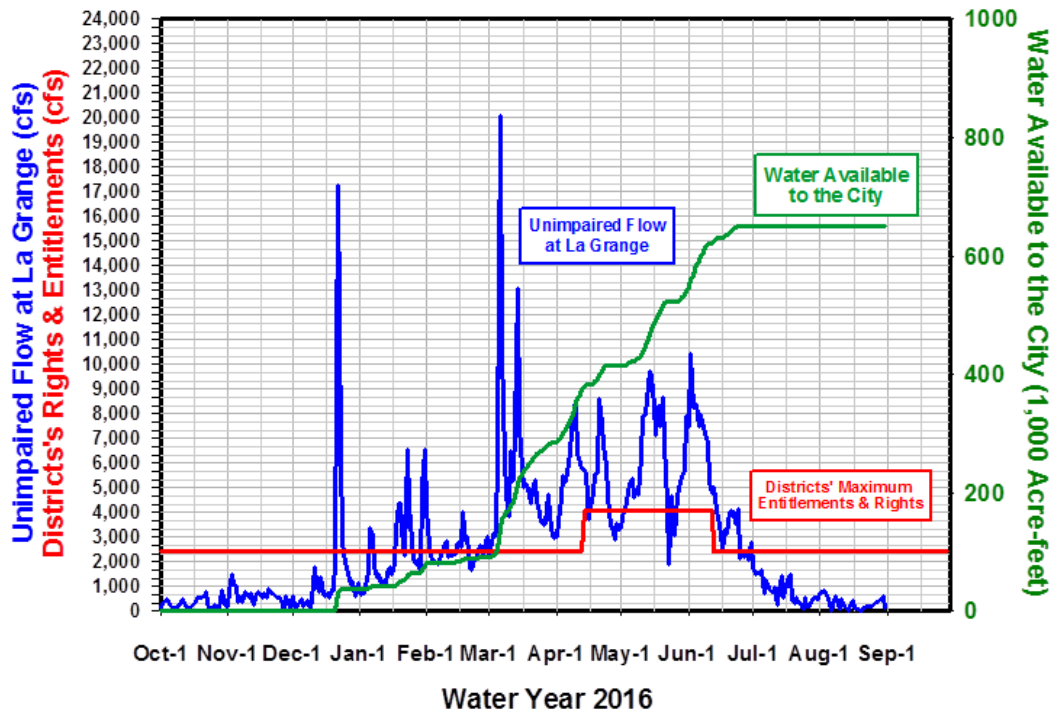


Figure 5: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. 651,330 acre-feet of water has become available to the City during water year 2016.

cc	HHWP Records	Graham, Chris	Mazurkiewicz, Adam	Sheehan, Charles
	Briggs, David	Hale, Barbara	Meier, Steve	Sandkulla, Nicole
	Carlin, Michael	Hannaford, Margaret	Moses, Matt	Tsang, Michael
	Chester, John	Kelly, Harlan	Patterson, Mike	Williams, Mike
	DeGraca, Andrew	Graham, Chris	Perl, Charles	
	Dhakai, Amod	Kehoe, Paula	Nelson, Chris	
	Dufour, Alexis	Lehr, Dan	Ramirez, Tim	
	Gambon, Paul	Levin, Ellen	Ritchie, Steve	

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: September 13, 2016

Report Date: September 8, 2016

Subject: Possible Cancellation of October 11, 2016 Regular Meeting of the Board of Directors

Recommendation:

Board action is required to cancel a regular monthly Board of Directors meeting.

Background:

Staff has learned recently that there may not be a quorum of three Directors available to attend the regular October 11, 2016 Board of Directors meeting. Board action is required to cancel a regular Board meeting, so this item has been placed on the agenda for Board discussion, should the Board chose to cancel the regular meeting and schedule a special Board meeting to conduct the monthly business of the District.

MONTHLY REPORT

To: David R. Dickson, General Manager
From: Joe Guistino, Superintendent of Operations
Agenda: September 13, 2016

Report
Date: September 8, 2016

Monthly Highlights

Nunes Forklift – Staff no longer have to drive the yard forklift over surface roads and up the Carter Hill Grade.

Main Breaks – There were 9 main/service failures in August. One south of town cost over \$15,000.

Source of Supply

Crystal Springs, Pilarcitos and Denniston Reservoirs and Denniston Wells #1 and 9 were the source of supply in August, supplying 61 million gallons (MG) of water. Twenty one percent of production was from Denniston Water Treatment Plant (WTP), which ran every day in August. We switched to the Crystal Springs source on 1 August.

System Improvements

Denniston Filters

Treatment Staff has affixed fittings on the filters to aid in draining them when needed for inspections and troubleshooting. They are also installing a filter-aid feed line.

Nunes Forklift

There has been a long standing need at Nunes WTP for a forklift to assist the operator in moving pallets of salt for the on-site hypochlorite generator as well as for the increased storage of District equipment at that site. We have acquired a used forklift for this purpose. Prior to this we had been driving the yard forklift up to Nunes when needed.

New Phone System

The often malfunctioning phone system at Nunes WTP was replaced in August, bringing it up to the District standards.

Well Heads

Staff has embarked on a program whereby the wells that have lost their capacity will be refurbished and all wells will have all above ground plumbing rebuilt and furnished with smart meters.

Other Activities Update:

Unknown Water Line

In the process of installing a sewer lateral for his development, Mark Stoloski uncovered an old 10" water main on the south side of Pullman Ditch that wasn't on any District maps or documentation. This main served no purpose and posed a threat to water quality by virtue of stagnant water. We authorized him to remove the main and to install a blow-off at the north side of the ditch at the end of Alameda Street.

Filter Profiles

ERS conducted filter profile analysis at Nunes and Denniston WTPs in August. They suggested a minor change in backwash operation at Nunes in order to help the stratification of filter media and subsequent improvement of filter run times. Treatment Staff has enacted the suggestion and will report on any noted improvements.

California State Water Resources Control Board (CWRCB) Sanitary Survey

Staff started on the repairs and corrections called out in the CWRCB annual sanitary survey of our distribution system. Most of the items have been corrected. The most serious issue, a corroded hole in the hatch of Denniston Tank, was corrected in August. The recoating projects for El Granada Tank 3, Alves Tank, and Half Moon Bay Tank 2 will correct additional concerns identified.

Hit Hydrant

On 25 August, a young motorist hit the hydrant at 466 Sevilla. The car landed over the top of the sheared riser and water filled up the car like in the movies. This hydrant is fed from the 12" El Granada Pipeline and high flow from the break resulted in dirty water complaints.

Many Main Breaks

We had 9 main breaks in August, losing up to 89,000 gallons of water at a cost of \$31,400 in materials, equipment and labor (not including the cost of water).

Pacific Ridge Development

Staff did a final walkthrough of the water pipelines in the Pacific Ridge Development Project at the end of Terrace Street.

Regulatory Agency Interaction

California State Water Resources Control Board)

- Sent in our formal reply to the annual CWRCB sanitary survey of our facilities. See previous item under **Other Activities Update**.
- Sent a request to our assigned sanitary engineer to update our water quality sampling and testing requirements for the next few years. Still awaiting his response at the time of this writing.

Safety/Training/Inspections/Meetings

Meetings Attended

9 August - Cal/Nev Section AWWA Awards Committee telephone meeting
10 August - BAWSCA/SFPUC water quality group quarterly meeting.
11 August - O&M Staff meeting
11 August - Telephone meeting with PMI, a meter installation contractor
25 August - El Granada Tank 3 Recoating Project kickoff meeting
30 August - Pilarcitos Roads Repair Project meeting
31 August - El Granada Emergency Generator Project field meeting

Tailgate safety sessions in October

1 August - Safety Tips for Employees Working Remotely or Alone
8 August - Forklift Operation Is Serious Business
15 August - Biohazards and Worker Safety
22 August - Avoiding Slips and Trips
29 August - Energized Electric Equipment Can Be Deadly

Safety Committee and Training

There was no Safety Committee meeting in August.

Safety Training for August was on Basic Plus CPR, AED and First Aid for Adults. Schmidt, Winch, Duffy, Whelen, Damrosch, Patterson and Davis were in attendance.

Training

Treatment Supervisor Sean Donovan and Treatment/Distribution Operators Damrosch and Schmidt attended an AWWA Water Education Seminar at Skyline college on 4 August to garner continuing education hours for their certification renewal.

Treatment/Distribution Operator Dustin Jahns acquired his Class B license in August after training and much practice with District vehicles.

Projects

El Granada Pump Stations 1 and 2 Emergency Generator Project

Work has started on this project. Six old and/or dying trees have been removed at the future emergency generator site at El Granada Tank 1 and pad submittals have been reviewed by Freyer & Laureta.

El Granada Tank 3 Rehabilitation and Coating Project

We had a brief kickoff meeting on 25 August. The contractor used a drone to inspect the roof and vent condition as well as to gather elevation information of adjacent trees. They are presently sending in submittals and RFI's for approval and clarification. We have issued an outreach notice for the neighbors informing them of the construction activities that will be taking place at the site between now and the end of the year.

Avenue Cabrillo Project Phase 3B

On 2 August there was a neighborhood shutdown for the tie in at Santiago and The Alameda as well as for the installation of a new hydrant on that corner. All tie-ins have been completed in the Palma/The Alameda/Avenue Cabrillo area and the streets have been paved in anticipation of the start of the school year. We met with the contractor and with the San Mateo Public Works department to discuss design of a future 42" storm drain and its avoidance of our 6" main at the corner of The Alameda and Avenue Cabrillo.

Pipeline has been laid, pressure tested and disinfected on Francesco, Malaga, Ventura and Santiago streets. Bacti samples passed. The tie in of services is scheduled through the end of the month.

AMI project

District Staff is assessing meter installation logistics for the replacement of our old Sensus meters with Badger ultrasonic meters and the subsequent installation of AMI collector sites as well as the radio placement within the meter boxes. Staff will be replacing meters starting in Moon Ridge in September.

Nunes Drying Bed #2 Sand Replacement Project

Andreini Brothers were hired to remove the dry sludge from this basin and new sand has been ordered. The project is expected to be complete by mid-October.

Nunes Filters Surface Wash Valves Replacement Project

The valve and actuator has been installed on Filter 3 but it keeps giving a fault upon operation. The actuator manufacturer has been called to investigate the matter prior to replacing the remaining valves.

Denniston WTP Site Improvements for Erosion Control Project

Rainwater runoff is causing sediment to be deposited in our sludge drying beds. Treatment Staff is working with a local contractor to discuss berms and paving to alleviate this issue.