



**NOTICE OF MEETING
BOARD OF DIRECTORS**

MEETING DATE: Tuesday, January 16, 2018
TIME: 7:30 p.m.
LOCATION: MMWD Board Room, 220 Nellen Ave., Corte Madera, CA 94925

AGENDA

ITEM	RECOMMENDATION	APPROX. START
<input type="checkbox"/> CALL TO ORDER		7:30 p.m.
1. A. Elect President for 2018 B. Elect Vice President for 2018 C. Confirm Committee Assignments for 2018		
<input type="checkbox"/> ADOPT AGENDA		7:38 p.m.
<input type="checkbox"/> PUBLIC EXPRESSION*		7:40 p.m.
<input type="checkbox"/> DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS		7:50 p.m.
<input type="checkbox"/> CONSENT CALENDAR – ITEMS 2- 4		7:55 p.m.
2. Minutes of January 2, 2018	<i>Approve</i>	
3. General Manager's Monthly Report for December	<i>Approve</i>	
4. Commendations to retiring employee: Bob Fairchild, Resolution No. 8480	<i>Approve</i>	
<input type="checkbox"/> REGULAR CALENDAR		
5. Present Commendation to Bob Fairchild	<i>Presentation</i>	8:00 p.m.
6. Water Production and Storage Report	<i>Information</i>	8:05 p.m.
7. Alpine Dam 2019 Centennial Event	<i>Approve</i>	8:10 p.m.
8. Future Agenda Items	<i>Information</i>	8:15 p.m.

ADA NOTICE AND HEARING IMPAIRED PROVISIONS: The board room is equipped with sound amplifying units for use by the hearing impaired. The units operate in conjunction with the room's sound system. You may request the personal sound amplifier from the Board Secretary for use during meetings.

In accordance with the Americans with Disabilities Act and California Law, it is the policy of the Marin Municipal Water District to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public

MMWD BOARD OF DIRECTORS: Larry Bragman, Jack Gibson, Cynthia Koehler, Armando Quintero, Larry Russell

**Anyone wishing to speak on an item other than those listed on this agenda will be recognized at this time. We ask any person wishing to be heard to come to the podium to address the board and state your name and address for the public record. A 3-minute limit is customary; however the committee chair may adjust the actual time allotted to accommodate the number of speakers.*

***All matters listed on the consent calendar are considered to be routine and will be enacted by a single action of the board, unless specific items are removed from the consent calendar during adoption of the agenda for separate discussion and action.*

hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodation, please contact Stephanie Eichner-Gross at (415) 945-1448, at least two days in advance of the meeting. Advance notification within this guideline will enable the district to make reasonable arrangements to ensure accessibility.

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INFORMATION PACKETS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MMWD OFFICE, AND MMWD WEBSITE (MARINWATER.ORG)

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FUTURE BOARD MEETINGS:

Tuesday, February 6, 2018, 7:30 p.m.	MMWD Board Room
Tuesday, February 20, 2018, 7:30 p.m.	MMWD Board Room



STAFF REPORT

SUBJECT: Organization of Board of Directors for 2018
SUBMITTED BY: Krishna Kumar, General Manager
RECOMMENDED ACTION: A. Elect President for 2018
B. Elect Vice President for 2018
C. Confirm Committee Assignments for 2018

EXECUTIVE SUMMARY

Each year the Board elects a new President and Vice President and confirms the committee assignments for the upcoming year.

FISCAL IMPACT: YES **No** X **FISCAL YEAR:**

BACKGROUND: N/A

STRATEGIC PLAN ALIGNMENT: The requested action aligns with the district’s Strategic Plan Goal 3: Communications - We will partner with our community, customers, and staff to understand & reflect their interests and clearly articulate the programs & policies of Marin Municipal Water District; Strategy 1 - Support the Board of Directors to facilitate informed policy / decision-making; Objective 1 Support Board and committee meetings

REVIEWED BY: Finance Manager [] NA [X]
General Counsel [] NA [X]
General Manager [X] NA []

ATTACHMENTS:

- 1. 2017 Committee Assignments
- 2. Committee Descriptions

BOARD COMMITTEES AND OTHER ASSIGNMENTS FOR 2017

STANDING BOARD COMMITTEES

DISTRICT OPERATIONS

Larry Russell, Chair
Armando Quintero, Vice-Chair

WATERSHED

Larry Bragman, Chair
Armando Quintero, Vice-Chair

FINANCE

Cynthia Koehler, Chair
Jack Gibson, Vice-Chair

COMMUNICATIONS

Cynthia Koehler, Chair
Jack Gibson, Vice Chair

STAFF LIAISON

Mike Ban

Crystal Yezman

Charlie Duggan

Lon Peterson

AD HOC BOARD COMMITTEES

Conservation Action

Cynthia Koehler, Member
Larry Russell, Member

Lon Peterson

Compensation

Larry Russell, Chair
Jack Gibson, Vice Chair

Krishna Kumar

Russian River

Jack Gibson
Larry Russell (Alternate)

Krishna Kumar

DROUGHT RESILIENCY

Jack Gibson, Chair
Larry Russell, Vice Chair

Krishna Kumar

OTHER ASSIGNMENTS

Tamalpais Lands Collaborative Executive Committee

Jack Gibson
Armando Quintero

Krishna Kumar

Technical Advisory Committee - Lagunitas Creek

Larry Bragman

Gregory Andrew

OTHER ASSIGNMENTS (con't)

STAFF LIAISON

Cynthia Koehler, Alternate

North Bay Watershed Association

Jack Gibson

Larry Russell, Alternate

Krishna Kumar

Tomales Bay Watershed Council

Armando Quintero

Krishna Kumar

Sonoma County Water Agency,
Water Advisory Committee (WAC)

Jack Gibson

Larry Russell, Alternate

Krishna Kumar

North Bay Water Reuse Authority

Jack Gibson

Larry Russell

Krishna Kumar

Las Gallinas Recycled Water Ad Hoc

Jack Gibson

Larry Russell

Krishna Kumar

ACWA Federal Affairs Committee

Cynthia Koehler

Krishna Kumar

DESCRIPTION OF BOARD COMMITTEES AND OTHER ASSIGNMENTS

STANDING BOARD COMMITTEES:

District Operations (DOC): The DOC reviews proposed contracts for capital projects and facilities maintenance, consulting agreements, pipeline extension agreements, variance requests, leasing proposals, disposal of surplus real estate, and any other matters relating to facilities and operations prior to the Regular board meeting. It is an opportunity to review an item in greater detail for those board members who may wish to attend. The items are forwarded on to the full board at a regular meeting with a recommendation from the Committee. This Committee generally meets on the third Friday of each month at 9:30 am.

Watershed: The purpose of the Watershed Committee is to discuss matters concerning the District's watershed and reservoirs such as protection of the fishery, vegetation management, recreational uses, and sources of revenue. This Committee meets once a quarter on the third Thursday of the month at 1:30 pm.

Finance: The purpose of the Finance Committee is to discuss matters related to the District's finances such as rates, debt and budget. This Committee generally meets monthly on the fourth Wednesday of the month at 4:00 pm.

Communications: The purpose of the Communications Committee is to discuss all matters related to the District's communications planning and public outreach. The Committee generally meets monthly on the third Tuesday of the month at 9:30 am.

AD HOC BOARD COMMITTEES:

Conservation Action: The focus of the committee is to serve as a networking forum for local resource conservation programs and assist in implementation of community conservation programs. Members of the CAC will include representatives from all agencies, organizations, and businesses interested in promoting natural resource conservation actions in Marin.

Compensation: The purpose of the Compensation Committee is to discuss all matters related to the District's employee compensation. The Committee meets as needed.

Russian River: This ad hoc committee meets as needed to review issues associated with water supply and water resources management in Sonoma County.

Drought Resiliency Task Force: The purpose of the Drought Resiliency Task Force is to discuss all matters related to drought resiliency.

OTHER ASSIGNMENTS:

Tamalpais Lands Collaborative Executive Committee: The purpose of the Tamalpais Lands Collaborative (TLC) Executive Committee is to review projects and programs supported by the TLC and to review and direct the activities of the Working Group which is composed of staff from each of the agency partners. The Committee meets 1 to 2 times per year as needed.

Technical Advisory Committee - Lagunitas Creek Sediment and Riparian Management Plan: Representatives of approximately 20 agencies and environmental/community organizations meet to collaborate on water resources issues in the Lagunitas Creek Watershed. The Committee is chaired by a member of the Committee and meets two to four times a year at 9 am on Fridays.

North Bay Watershed Association (NBWA): MMWD joined the NBWA as a Charter member when it was created in 2000. The association of water, wastewater and storm water agencies works together to meet regulatory requirements of the Clean Water Act and Safe Drinking Water Act, conduct public education programs, and conduct water resources improvement projects. The Association meets monthly on the first Friday at 9:30 am.

Tomales Bay Watershed Council (TBWC): MMWD was asked by the TBWC to appoint a representative to their group to participate in the development and implementation of a watershed plan. The role of Lagunitas Creek in this watershed area is significant and therefore the request for representation. The Council generally meets bi-monthly in Point Reyes.

Sonoma County Water Agency Water Advisory Committee (WAC): The WAC is composed of the primary and secondary contractors to the Sonoma County Water Agency. The purpose of the WAC is to discuss water supply, environmental and contract issues relevant to water deliveries to the contractors from the Agency. The WAC also negotiates any changes to contracts between the Agency and the contractors. The WAC meets on the first Monday of every month at 9:00 am.

North Bay Water Reuse Authority (NBWRA): The purpose of this committee, which was originally established in 2005, is to seek and obtain federal and state funds for recycled water projects. Original members include the Las Gallinas Valley Sanitary District, Novato Sanitary District, North Marin Water District, Sonoma County Water Agency, Napa Sanitation District and County of Napa. In 2013 NBWRA amended its MOU to include new members. MMWD and the City of Petaluma joined the NBWRA in 2013. The NBWRA Board generally meets the third Monday of every other month. Meetings start at 9:30 and are held at the Novato Sanitary District.



**MARIN MUNICIPAL
WATER DISTRICT**

ITEM No. 2

MEETING DATE: JANUARY 16, 2018

MEETING: BOARD OF DIRECTORS

STAFF REPORT

SUBJECT: Minutes

SUBMITTED BY: District Secretary

RECOMMENDED ACTION: Approve minutes from the January 2, 2018 meeting

ATTACHMENTS

Minutes

**THE BOARD OF DIRECTORS
OF MARIN MUNICIPAL WATER DISTRICT**

Minutes of the meeting of the Board of Directors held on Tuesday, January 2, 2018 at 220 Nellen Avenue, Corte Madera, California.

Directors present: Larry Bragman, John C. Gibson, Cynthia Koehler, Armando Quintero (by teleconference) and Larry L. Russell

Directors absent: None

CALL TO ORDER

President Russell called the meeting to order at 7:30 p.m.

ITEM 1 ORGANIZATION OF BOARD OF DIRECTORS

Director Russell requested that items 1. A, B and D be deferred to January 16 when Director Quintero could attend the meeting in person.

A. Election of President

This item was deferred to January 16, 2018.

B. Election of Vice President:

This item was deferred to January 16, 2018.

C. Board Meeting Calendar for 2018

The Board reviewed the calendar of meeting dates for 2018.

On motion of Director Koehler, seconded by Director Bragman, the Board adopted the calendar for 2018 by the following roll call vote:

Ayes:	Directors Bragman, Gibson, Koehler, Quintero and Russell
Noes:	None
Absent:	None
Abstain:	None

D. Appointment of Board Members to Board Committees

This item was deferred to January 16, 2018.

AGENDA

On motion of Director Koehler, seconded by Director Bragman the Board adopted agenda by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Quintero and Russell
Noes: None
Absent: None
Abstain: None

PUBLIC EXPRESSION

Eric Morey, Woodacre, expressed dissatisfaction regarding the management of the District.

DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS

None.

CONSENT CALENDAR (ITEMS 2-7)

On motion of Director Gibson, seconded by Director Bragman, the Board approved Consent Calendar Items 2-7 by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Quintero and Russell
Noes: None
Absent: None
Abstain: None

ITEM 2 Minutes of December 5, 2017 as presented.

ITEM 3 General Manager's Monthly Report for November

ITEM 4 Commendations to retiring employees:
Matt Cramer, Resolution No. 8478;
Nick Salcedo, Resolution No. 8479

ITEM 5 Marin County Fire Department (MCFD) Mutual Benefit Agreement

ITEM 6 Amendment No. 2 to West Point Inn Association Lease (MA 4617)

ITEM 7 Tamalpais Lands Collaborative (TLC) 2018 Work Plan

ITEM 8 WATER PRODUCTION, STORAGE, AND DROUGHT RESPONSE REPORT

Mike Ban, Engineering and Environmental Services Division Manager, presented the staff report and noted that total fiscal year water production was 14,100 acre-feet, daily average production was 18 mgd and reservoir storage was 56,100 acre-feet which is 71% of capacity.

ITEM 9 AMENDMENT NO. 2 TO COLLECTIVE BARGAINING AGREEMENT WITH SEIU LOCAL 1021 AND RESOLUTION NO. 8477 FOR UNREPRESENTED EMPLOYEES

Charlie Duggan, Administrative Services Division Manager/Treasurer, presented the staff report requesting the Board approve Amendment No. 2 to the Collective Bargaining Agreement with SEIU Local 1021 and Resolution No. 8477 establishing the terms and conditions of employment for non-represented employees. He said the amendment and resolution would extend the terms of the current agreement and resolution through June 30, 2021. A question and answer period followed.

On motion of Director Koehler, seconded by Director Gibson, the Board approved Amendment No. 2 to the Collective Bargaining Agreement with SEIU Local 1021 and Resolution No. 8477 by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Quintero and Russell
Noes: None
Absent: None
Abstain: None

ITEM 10 FILL VACANCY: DISTRIBUTION SYSTEM OPERATOR

Mike Ban presented the staff report requesting authorization to hire one Distribution System Operator.

On motion of Director Bragman, seconded by Director Gibson, the Board authorized the General Manager to recruit and hire one Distribution System Operator by the following roll call vote:

Ayes: Directors Bragman, Gibson, Koehler, Quintero and Russell
Noes: None
Absent: None
Abstain: None

ITEM 11 FUTURE AGENDA ITEMS

Krishna Kumar, General Manager, presented the staff report listing upcoming items.

ADJOURNMENT

There being no further business, the meeting of January 2, 2018, was adjourned at 7:45 p.m.

President, Board of Directors

ATTEST:

Secretary



Staff Report

SUBJECT: General Manager's Report for December 2017

SUBMITTED BY: Krishna Kumar, General Manager

RECOMMENDED ACTION: Accept Report

SUMMARY:

AF = Acre Feet
Mg/L = milligrams per liter
MPN = most probable number
MPY = mils per year
MG = million gallons
NTU = nephelometric turbidity units

A. Water Production:

Item	FY 2017/18		FY 2016/17	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
Potable				
Total production this FY	4,588	14,080	4,086	12,538
Monthly production, December	540	1,658	457	1,403
Daily average, December	17.42	53.47	14.75	45.26
Recycled				
Total production this FY	123.74	379.74	101.11	310.30
Monthly production, December	0.00	0.00	0.00	0.00
Daily average, December	0.00	0.00	0.00	0.00
Raw Water				
Total production this FY	78.90	242.14	73.45	225.41
Monthly production, December	0.00	0.00	0.00	0.00
Daily average, December	0.00	0.00	0.00	0.00
Imported Water				
Total imported this FY	754	2,313	697	2,138
Monthly imported, December	63	193	100	308
Reservoir Storage				
Total storage, December 31	18,337	56,274	25,748	79,019
Storage change during month	-1,008	-3,093	5,347	16,408
Stream Releases				
Total releases this FY	2,061	6,326	1,741	5,343
Monthly releases, December	513	1,575	249	763

B. <u>Precipitation:</u>	<u>FY 2017/18 (in.)</u>	<u>FY2016/17 (in.)</u>
Alpine	0.46	28.34
Bon Tempe	0.33	25.84
Kent	0.20	28.23
Lagunitas *	0.40	29.99
Nicasio	0.14	17.63
Phoenix	0.20	28.73
Soulajule	0.20	19.10

* Average to date = 19.30 inches

C. Water Quality:

<u>Laboratory:</u>	<u>FY 2017/18</u>	<u>FY 2016/17</u>
Water Quality Complaints:		
Month of Record	9	9
Fiscal Year to Date	84	105
Water Quality Information Phone Calls:		
Month of Record	11	2
Fiscal Year to Date	70	43

The lab performed 1,600 analyses on lakes, treatment plants and distribution system samples.

Mild steel corrosion rates averaged 2.14 (0.85 – 3.68) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

Tank Survey Program: 21 water storage tanks were surveyed during the month. 98.86 % of the planned survey program has been completed for calendar year 2017.

D. Water Treatment:

<u>Treatment Results</u>	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
	Average	Monthly Goal	Average	Monthly Goal	Average	Monthly Goal
Turbidity (NTU)	0.07	≤0.10	0.07	≤0.10	0.06	≤0.10
Chlorine residual (mg/L)	2.57	2.50 *	2.53	2.50 *	2.50	2.50 *
Color (units)	0.1	≤15	0.4	≤150.1	≤15	
pH (units)	7.8	7.8*	7.8	7.8*	8.1	>7.8**

* Set monthly by Water Quality Lab

** pH to Ignacio is controlled by SCWA

Recycled Water

The Las Gallinas Recycled Water Plant has been shut-down for the winter.

E. Capital Improvement

1. Mariner Highlands Tank Replacement Project

Summary: This project involves the installation of a 60,000 gallon bolted steel tank and associated piping in Corte Madera.

- Project Budget: \$499,285
- Monthly Activities: The Contractor completed the project this month.

2. Smith Saddle Pump Station

Summary: This project involves the installation of a new pump station next to the District's Smith Saddle Tanks in the Town of Fairfax.

- Project Budget: \$1,247,000
- Monthly Activities: The Contractor installed the pumps and completed the pipe installation this month.

3. Treatment Plant Filter Rehabilitation and Seismic Upgrade Project

Summary: This project addresses seismic vulnerabilities in the filters at the District's two water treatment plants, improves the filter backwashing process at San Geronimo Treatment Plant (SGTP) and improves flow of water to the north end of the District's system.

- Project Budget: \$9,084,162
- Monthly Activities: Work has been completed at the San Geronimo Treatment Plant and the Contractor is currently rehabilitating filters 3 & 4 at the Bon Tempe Treatment Plant.

4. Tiburon Fire Flow Improvement Project

Summary: This project involves the installation of 14,760 feet of fire flow deficient pipe in the Town of Tiburon and unincorporated Marin County.

- Project Budget: \$4,266,000
- Monthly Activities: The Contractor performed tie-ins on Trestle Glen and continued installing pipe in Paradise Drive this month.

5. Laverne Avenue Pipeline Replacement Project

Summary: This project involves the installation of 4,140 feet of pipe in the unincorporated community of Tamalpais Valley.

- Project Budget: \$1,265,210
- Monthly Activities: The Contractor completed the project this month.

6. Elm Avenue Pipeline Replacement Project

Summary: This project involves the installation of 6,650 feet of 6-inch welded steel and PVC pipe to replace 80 to 90 year old pipe. This work is being conducted in coordination with the City of Larkspur's and Town of Corte Madera's street overlay programs.

- Project Budget: \$1,953,353
- Monthly Activities: The Contractor completed new water main installation and

performed tie-ins and service transfers this month.

7. Eldridge Grade Slide Repair Project at Culvert EG-24

Summary: This project involves the installation of a soil-nail retaining wall to repair slide damage from last winter and protect a 24-inch diameter transmission main.

- Project Budget: \$388,000
- Monthly Activities: The Contractor largely completed the project this month; minor punch list items remain to be finished.

8. Meadowcroft Fire Flow improvement Project

Summary: This project involves the installation of 3,880 feet of water main to replace 90-year old pipe in the Town of San Anselmo.

- Project Budget: \$1,300,000
- Monthly Activities: No activity occurred on this project this month due to the holidays.

9. Almonte Fire Flow Improvement Project

Summary: This project involves the installation of 3,800 feet of pipe to replace 70-year old, fire flow deficient pipe in coordination with the County's street paving program.

- Project Budget: \$1,118,347
- Monthly Activities: Contracts were routed for execution this month.

F. Other:

<u>Pipeline Installation</u>	<u>FY2017/18</u>	<u>FY2016/17</u>
Pipe installed during December (feet)	3,190	2,835
Total pipe installed this fiscal year (feet)	17,919	23,748
Total miles of pipeline within the District	908*	909*

** Reflects adjustment for abandoned pipelines*

<u>Pipe Locates</u>	<u>FY2017/18</u>	<u>FY2016/17</u>
Month of December (feet)	36,898	40,355
Total this fiscal year (feet)	329,590	252,310

<u>Main Line Leaks Repaired:</u>	<u>FY2017/18</u>	<u>FY2016/17</u>
Month of December	22	13
Total this fiscal year	100	85

<u>Services:</u>	<u>FY2017/18</u>	<u>FY2016/17</u>
Service upgrades during December	11	8
Total service upgrades this FY	102	78
Service connections installed during December	3	1
Total service connections installed this FY	15	6
Total active services as of January 1, 2018	60,429	60,374

G. Demand Management:

WATER-EFFICIENCY PROGRAMS	<u>Dec-17</u>	<u>FY 17/18</u> <u>TOTAL</u>	<u>FY 16/17</u> <u>TOTAL</u>	<u>FY 15/16</u> <u>TOTAL</u>
Conservation Assistance Program (CAP)				
Consultations				
Residential properties resi 1-2 (single-family)	35	247	314	232
Residential properties resi 3-7 (multi-family units)	0	6	5	48
Non-residential properties resi 6-7 (commercial)	2	9	39	24
Dedicated irrigation accounts resi 8-10 (large landscape)	3	6	17	71
Marin Master Gardeners' Marin-Friendly Garden Walks				
Residential garden walks	5	86	87	165
CYES Water/Energy Surveys (seasonal)				
Residential surveys	0	0	222	372
Tier 4 Exemption Program				
Applications				
Inspections that resulted in a pass	0	0	2	0
Public Outreach and Education, Customer Service				
Public outreach events (number of people attending)	0	10,500	15,604	1,155
Public education events (number of participants)	0	0	10	484
Phone calls admin staff	220	1,818	3,004	2,637
School Education				
School assemblies				
Number of activities	4	9	20	13
Number of students reached	1,494	3,077	6,102	4,430
Field trips				
Number of activities	0	8	12	21
Number of students reached	0	214	330	456
Classroom presentations				
Number of activities	2	13	22	23
Number of students reached	61	332	547	602
Other (e.g. booth events, school gardens)				
Number of activities	0	0	4	2
Number of students reached	0	0	0	330
Incentives				
Prop 84 -Drought Round (III) Rebate Incentive Program				
<i>(start date Jul 1, 2015)</i>				
Number of HETs approved	79	295	968	1,281

Number of HECWs approved	5	39	408	446
5 x \$50 - Rebate Incentive Program				
<i>(start date Oct. 25, 2014)</i>				
Number of Organic Mulch approved	4	34	170	440
Number of Rain Barrels approved	0	3	14	66
Number of Pool Covers approved	1	7	26	93
Number of Hot Water Recirculating Systems approved	1	7	32	79
Number of Laundry-to-Landscape systems approved	1	1	5	8
Water-wise Community Garden	2	19	0	0

ORDINANCES

Water Waste Prevention Ordinance

No. of properties reporting activity	4	90	155	343
Ord. 421 Landscape Plan Review				
Plans submitted	4	36	105	85
Plans exempt	0	1	4	11
Plans completed	1	13	19	18
Plans in workflow (pass & fail)	7	53	171	146

H.

I. Watershed Protection

Intoxicated West Point Inn guest gets lost on Mount Tam

Rangers Matt Cerkel and Brett Pedisich, Marin County Sheriff's Deputies, Marin County Fire Dept., a CHP helicopter, and Marin County Search and Rescue responded to the West Point Inn for a intoxicated guest of the Inn who become lost after leaving the Inn after dark. The hiker was found after five hours at Pan Toll. At somepoint he fell down a ravine, but was uninjured and didn't really know how he got to Pan Toll.

Incidents Total: 76	
20	Public Contacts (warning for violation)
8	Calls for Service-Enforcement
8	Visitor Assists
7	Vandalism
6	Suspicious Circumstances
6	Search and Rescue
3	Misc. Calls for Service
3	Complaints of Illegal Bike Use
2	Medical Aids
2	Assist Out Agency-Medical
2	Illegal Trail Work
2	Damaging Natural Resources
1	Hazardous Materials Incident
1	Reckless Driving
1	Discharge of Firearm
1	Theft
1	Welfare Check
1	Assist Outside Agency-Misc
1	BOLO (Be on the Lookout) Auto Burglary Suspects at at Mount Tam State Park
Citations Total: 84	
5	Dog off Leash
3	Fishing without a License
1	Bike on Trail
1	Fishing in Closed Area
66	Nonpayment of Parking Fees
7	Parking After Sunset

I. Personnel

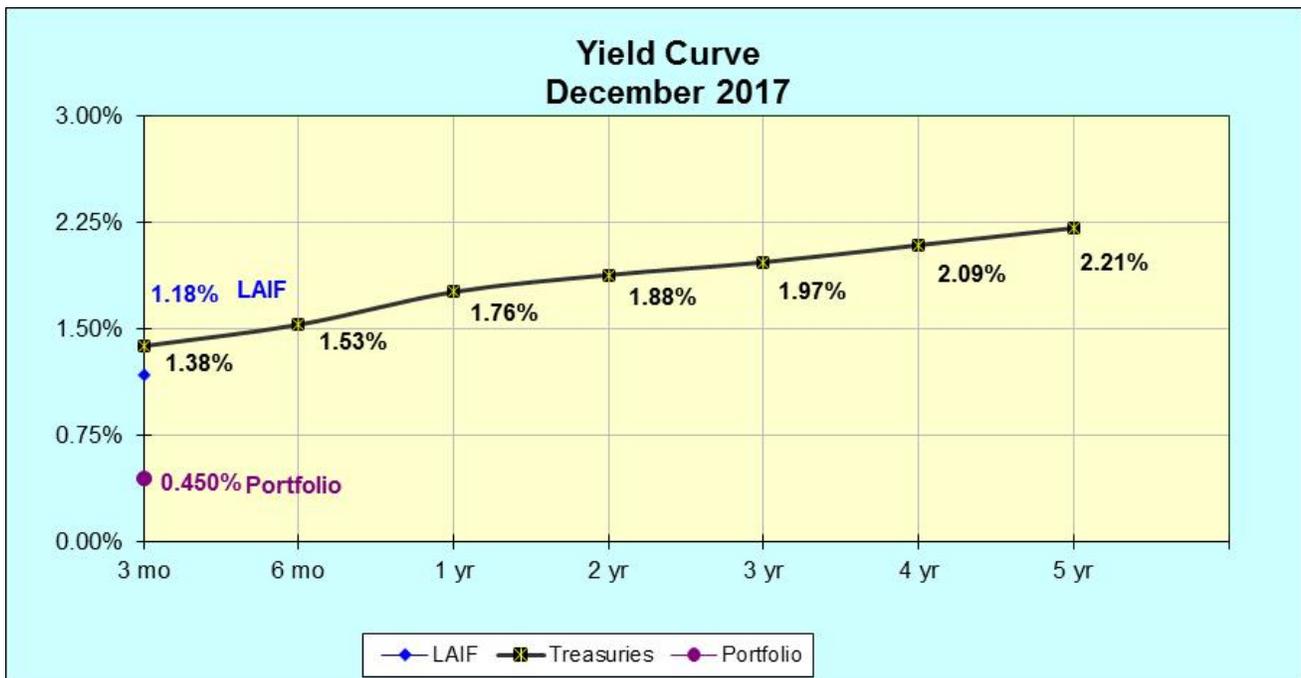
	FTE's		
<u>Employee authorization as of:</u>	<u>07/01/15</u>	<u>07/01/16</u>	<u>07/01/17</u>
Regular full-time positions	246.00	246.00	244.00

J. Investment

During the month of December 2017, all activity was to/from LAIF and Fidelity MMF. .

Marin Municipal Water District							
Investment Report as of							
December 31, 2017							
Investments	Type	Par Value	Coupon	Date Purchased	Maturity	Current Market Value	Purchase Price
US Treasury N/B	1	1,000,000.00	1.375%	03/03/15	06/30/18	999,380.00	1,002,890.00
Fidelity Money Market Fund	7	6,874,801.04	0.010%			6,874,801.04	6,874,801.04
Local Agency Investment Fund	4	37,236,709.97	0.654%			37,236,709.97	37,236,709.97
Total District Investments		\$ 45,111,511.01				\$ 45,110,891.01	\$ 45,114,401.01
Weighted Average Interest Rate	0.450%						
* callable security							

Dated January 1, 2018. I certify that all investments are made in conformance with the District's approved investment policy and that the District has sufficient liquidity to meet all budgeted and planned obligations during the next six-month period. Respectfully submitted: Mikyung Pustelnik, Finance Manager	Portfolio:	Amount	Percent
	Treasury Bills (1)	\$ 999,380.00	2.22%
	Agency Discount Notes (2)	-	0.00%
	Agency Notes (3)	620.00	0.00%
	LAIF (4)	37,236,709.97	82.54%
	Corp Med Term Notes (5)	-	0.00%
	Bankers Acceptances (6)	-	0.00%
	Money Market (7)	6,874,801.04	15.24%
Total Investment	\$ 45,111,511.01	100.00%	



Bob Fairchild

WHEREAS, THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT WISHES TO RECOGNIZE BOB FAIRCHILD for 24 years and two months of dedicated service to the District and its customers in Marin County; and

WHEREAS, Bob began as an Network Administrator in November 1993, was promoted to Senior Systems Analyst in 1998, and was ultimately appointed to Information Technology Manager in 1999 where he served over 18 years until his retirement in December, 2017; and

WHEREAS, Bob, drawing on his previous career as the manager of a pizza parlor, helped deliver new technology to the District including Local Area Networks, Wide Area Networks, Email, the Internet, ERP, Document Management, remote/mobile computing, and VOIP; and

WHEREAS, Bob teed up the District's first IT Strategic Plan in 2000 and chipped in to facilitate the District's overall Strategic Plan in 2014; and

WHEREAS, Bob played a critical role during the implementation of SAP by successfully driving the creation of the technical landscape; and

WHEREAS, Bob was the project manager and blazed the trail for the Livelink Document Management system; and

WHEREAS, Bob always kept current with his knowledge of and push for new technology, and worked gracefully with management, staff, consultants, the public, and the Board; and

WHEREAS, Bob, in summary, has contributed to the technological health of MMWD by doing everything from installing Word Perfect on i386 PCs, to bringing server virtualization and mobile computing to the District, he was always a joy to work with and only rarely threw his favorite golf clubs; thus, Bob will be missed by all.

NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS expresses its sincere appreciation to Bob Fairchild for his services and contributions to the Marin Municipal Water District and wishes him good fortune, continued good health and many more memorable adventures on the trails and fairways of Marin County and beyond.

RESOLUTION NO. 8480 APPROVED at the regular meeting of the Board of Directors held this 16th day of January 2018.

Larry L. Russell, President

Armando Quintero

Larry Bragman

John C. Gibson

Cynthia Koehler

Krishna Kumar, General Manager

ATTEST:

Secretary



STAFF REPORT

SUBJECT: Water Production and Storage Report

SUBMITTED BY: Michael Ban, P.E., Manager
Environmental and Engineering Services Division

RECOMMENDED ACTION: Information

EXECUTIVE SUMMARY:

Daily potable water production for January 3-9 has averaged 16.36 mgd. Information on the district’s water production is illustrated in the attached graphs.

District reservoir storage as of January 9, 2018 is shown in the table below.

Reservoir	Total Capacity (AF)	Water Level From Spillway (feet down)	Storage (AF)	Percent of Total Capacity
Alpine	8,891	21.11	5,049	56.79%
Bon Tempe	4,017	2.01	3,763	93.66%
Kent	32,895	23.93	23,277	70.76%
Lagunitas	350	-0.10	350	100.00%
Nicasio	22,430	4.78	18,372	81.91%
Phoenix	411	-1.49	411	100.00%
Soulajule	10,572	10.23	7,680	72.64%
Total	79,566	N/A	58,902	74.03%
Historical Average Storage This Date			61,925	N/A
Historical Percent of Total Storage This Date			77.83%	N/A
Percent of Normal Storage This Date			95.12%	N/A

For habitat benefit, the district is currently (as of 01/09/2018) releasing 3.61 mgd from Kent Reservoir into Lagunitas Creek and 7.80 mgd from Soulajule Reservoir into Walker Creek, for total releases of 11.41 mgd.

Billed water for the month of December 2017 was 833,949 CCFs and was 16% higher than the same month last year and cumulatively was 11% higher than last year. Water revenue, based on the billed figures for December 2017 was \$4,429,950 and was 27% higher than the same month last year, while cumulative revenue through December 2017 at \$34,336,911 was 20% higher than last year.

ATTACHMENTS:

- Monthly Water Production (table)
- Monthly Potable Water Production (graph)
- Running 12-month Potable Water Production (graph)
- Total Reservoir Storage (graph)
- Cumulative Precipitation (graph)
- Cumulative Billed Water (graph)
- Cumulative Water Revenue (graph)
- Consumption Comparison (graph)
- Water Sales Budget vs Actual (graph)

**Marin Municipal Water District
 Monthly Water Production (acre-feet)**

Total Potable Water Production							% Change (FY18 vs FY17)
Month	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
July	3,038	2,977	2,690	2,287	2,636	2,830	7%
August	3,042	2,960	2,590	2,369	2,630	2,778	6%
September	2,744	2,742	2,298	2,239	2,449	2,636	8%
October	2,345	2,599	2,118	2,148	1,963	2,500	27%
November	1,622	2,090	1,641	1,628	1,455	1,681	16%
December	1,502	1,888	1,408	1,429	1,400	1,659	18%
Total YTD	14,292	15,255	12,745	12,100	12,535	14,084	12%

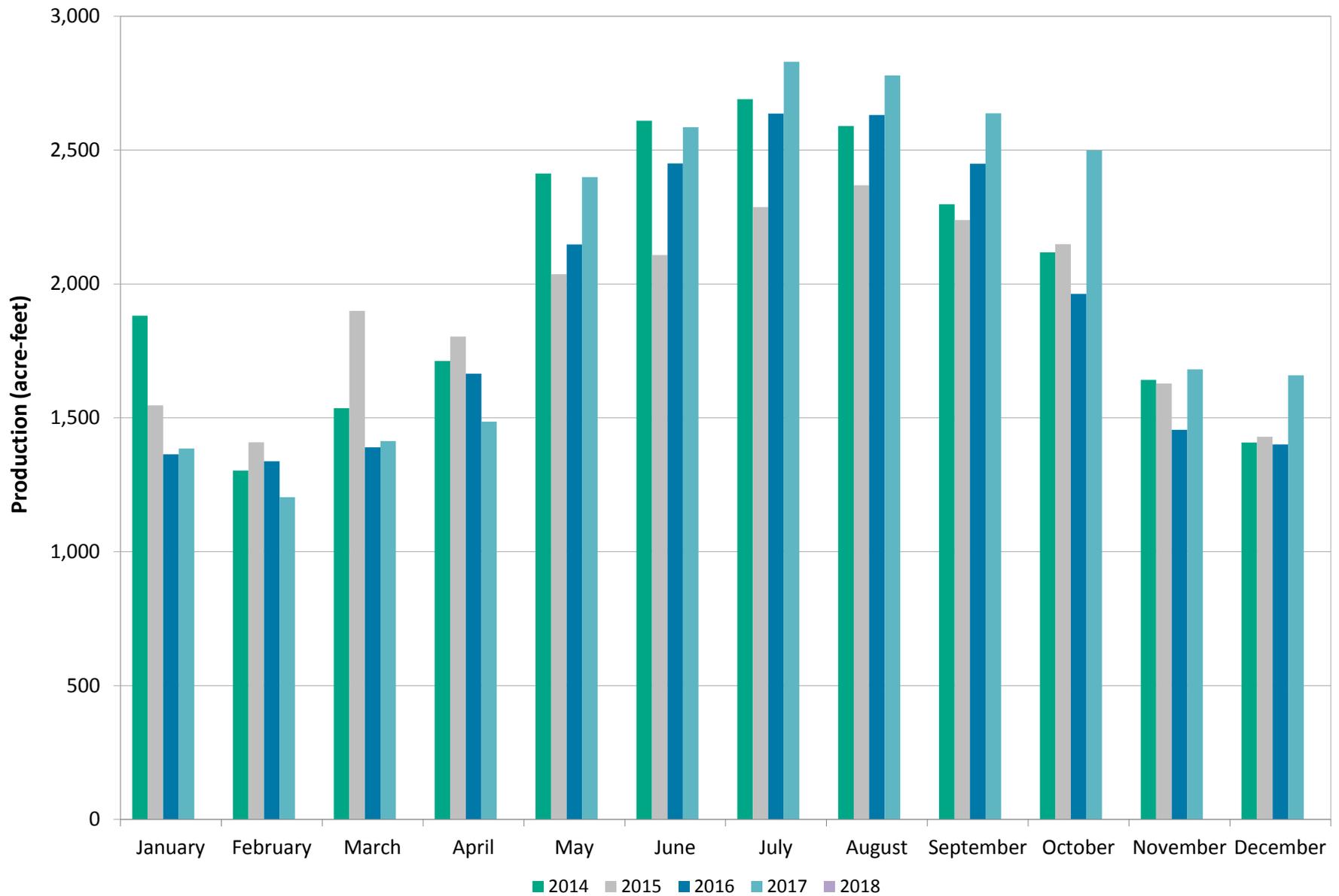
Imported Water Production							% Change (FY18 vs FY17)
Month	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
July	349	517	710	364	390	364	-7%
August	356	502	451	355	378	532	41%
September	363	498	867	378	360	543	51%
October	424	520	619	380	361	457	27%
November	528	539	769	329	341	225	-34%
December	544	749	632	376	308	193	-37%
Total YTD	2,564	3,324	4,047	2,182	2,138	2,313	8%

Reservoir Water Production							% Change (FY18 vs FY17)
Month	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
July	2,689	2,460	1,980	1,922	2,246	2,466	10%
August	2,686	2,458	2,139	2,014	2,253	2,246	0%
September	2,381	2,244	1,431	1,861	2,089	2,093	0%
October	1,921	2,079	1,499	1,769	1,603	2,043	27%
November	1,094	1,551	872	1,299	1,114	1,456	31%
December	958	1,139	776	1,053	1,093	1,466	34%
Total YTD	11,728	11,931	8,698	9,918	10,397	11,771	13%

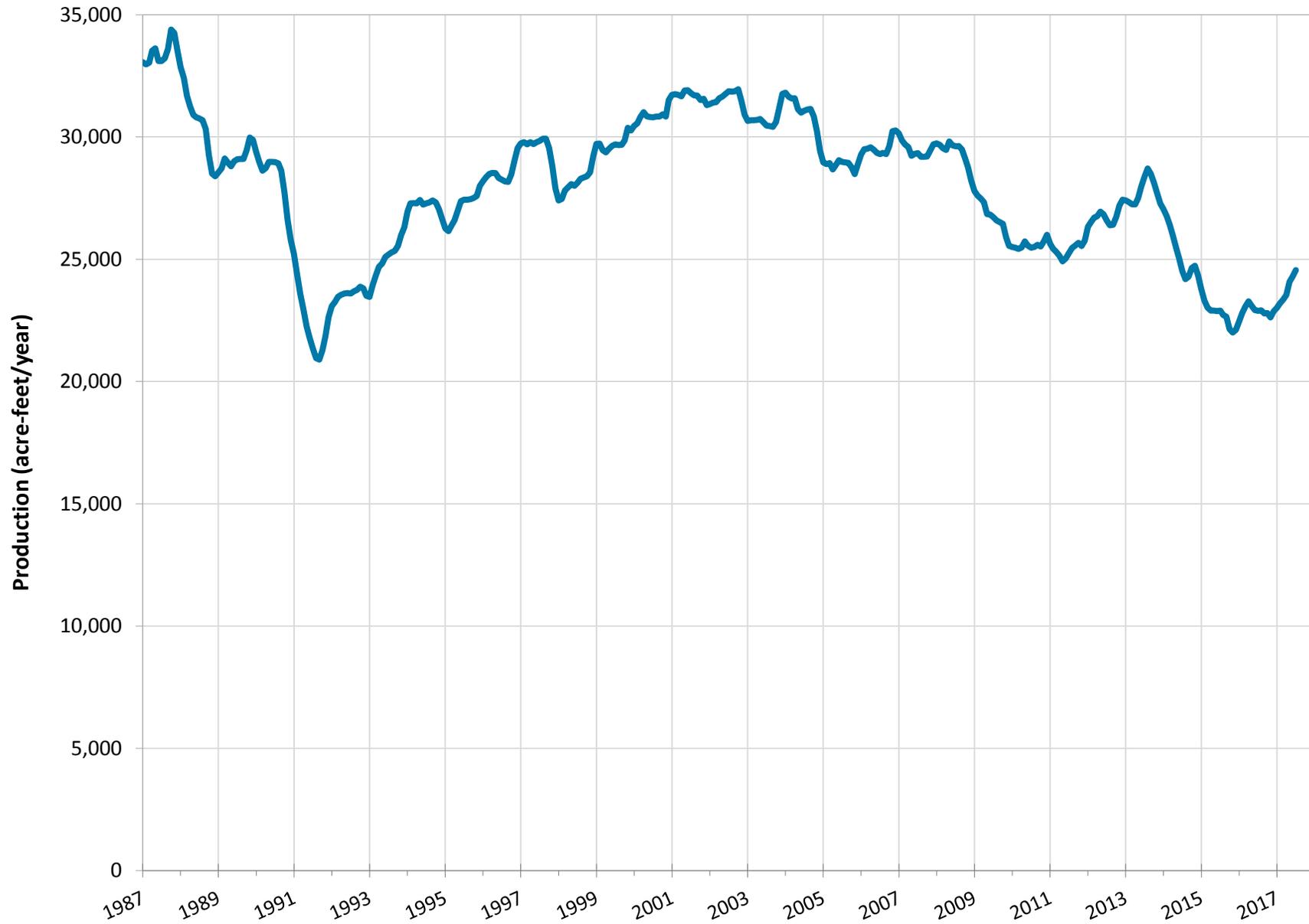
Recycled Water Production							% Change (FY18 vs FY17)
Month	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	
July	117	109	103	87	97	107	11%
August	116	103	80	87	92	100	9%
September	90	89	78	77	79	88	12%
October	54	69	55	60	39	73	85%
November	4	38	23	12	1	11	664%
December	0	1	6	0	0	0	0%
Total YTD	381	408	346	323	309	380	23%

* During FY 2016, from June 2015 through May 2016, the District operated under the State's May 2015 Emergency Conservation Regulation. During this time, the District reduced water use 21% relative to the same months in 2013, thus exceeding the State's 20% conservation standard for the District.

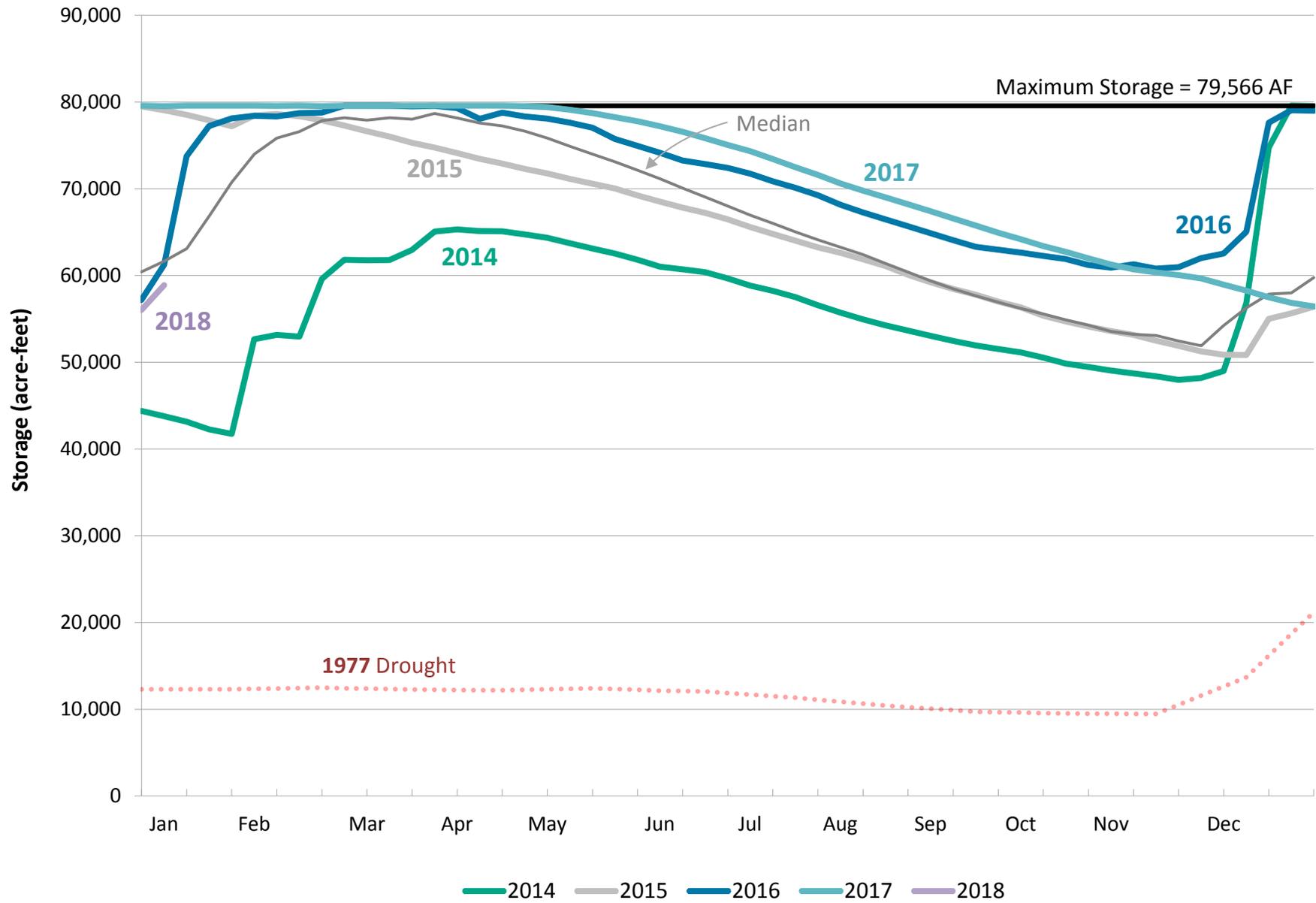
Monthly Potable Water Production



Running 12-month Potable Water Production

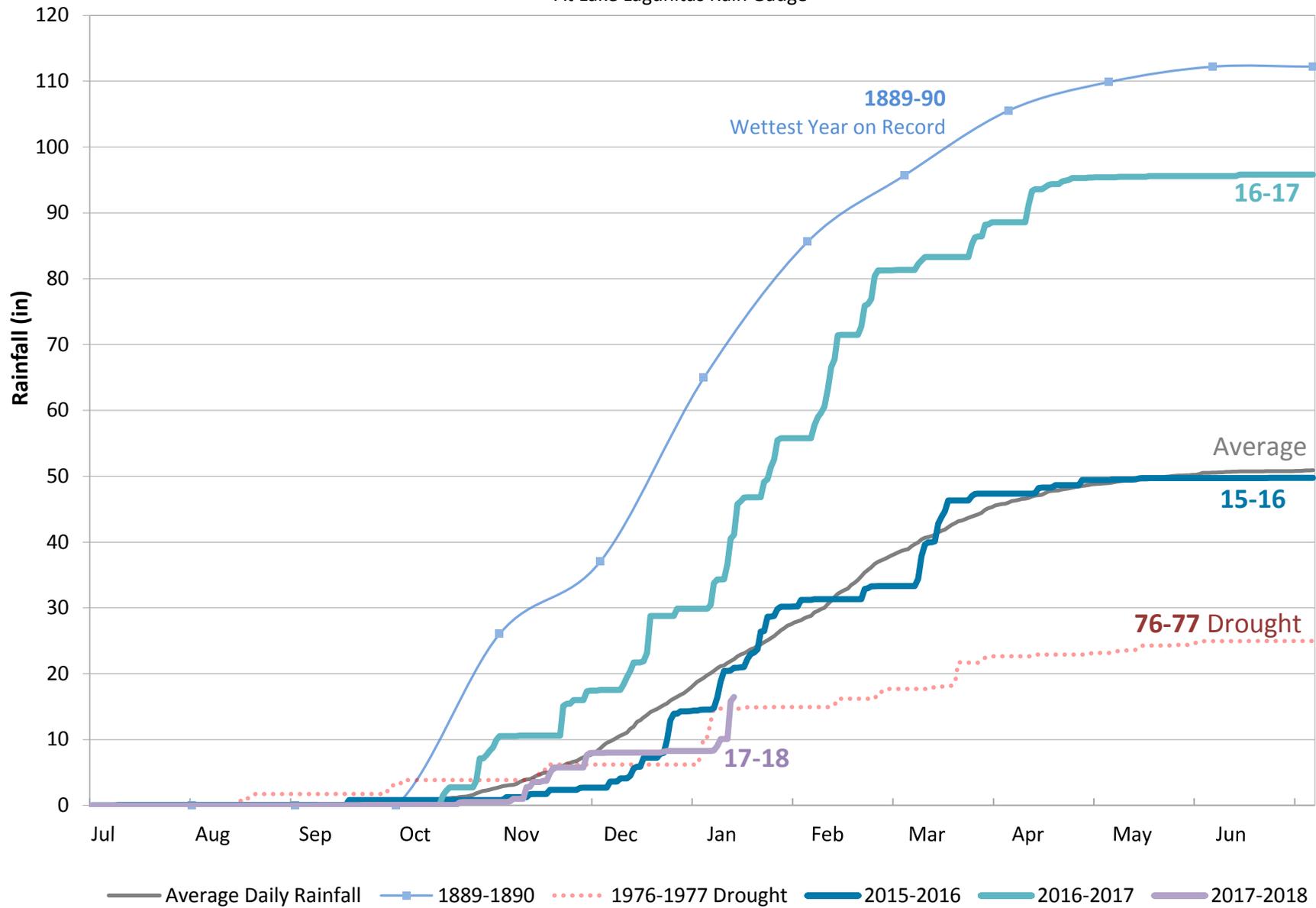


Total Reservoir Storage

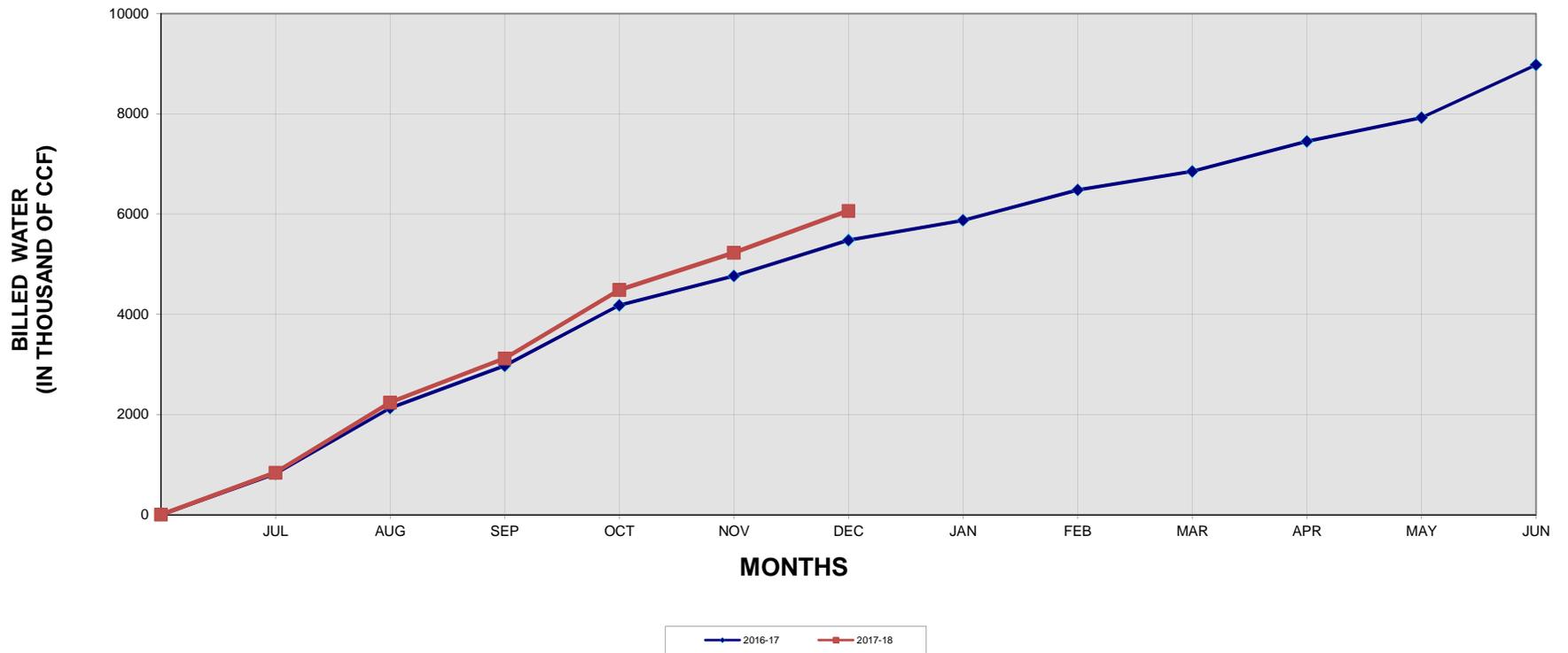


Cumulative Precipitation

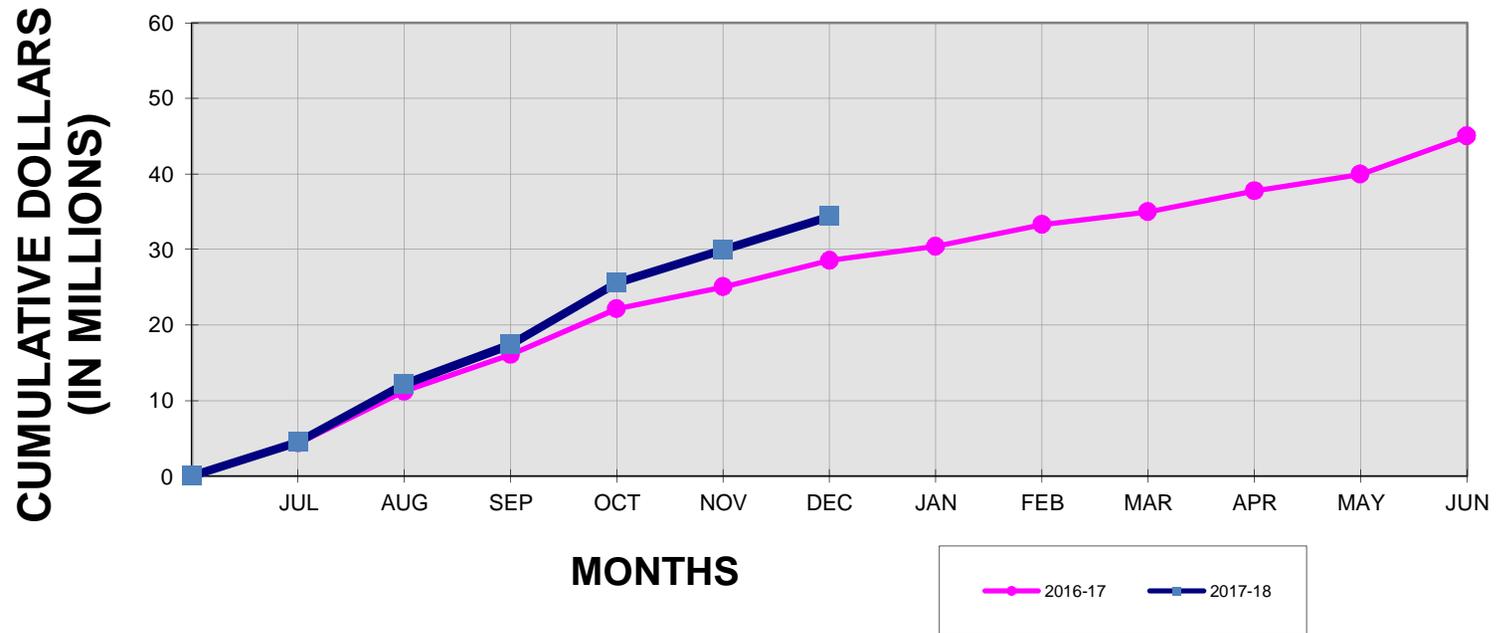
At Lake Lagunitas Rain Gauge



CUMULATIVE BILLED WATER

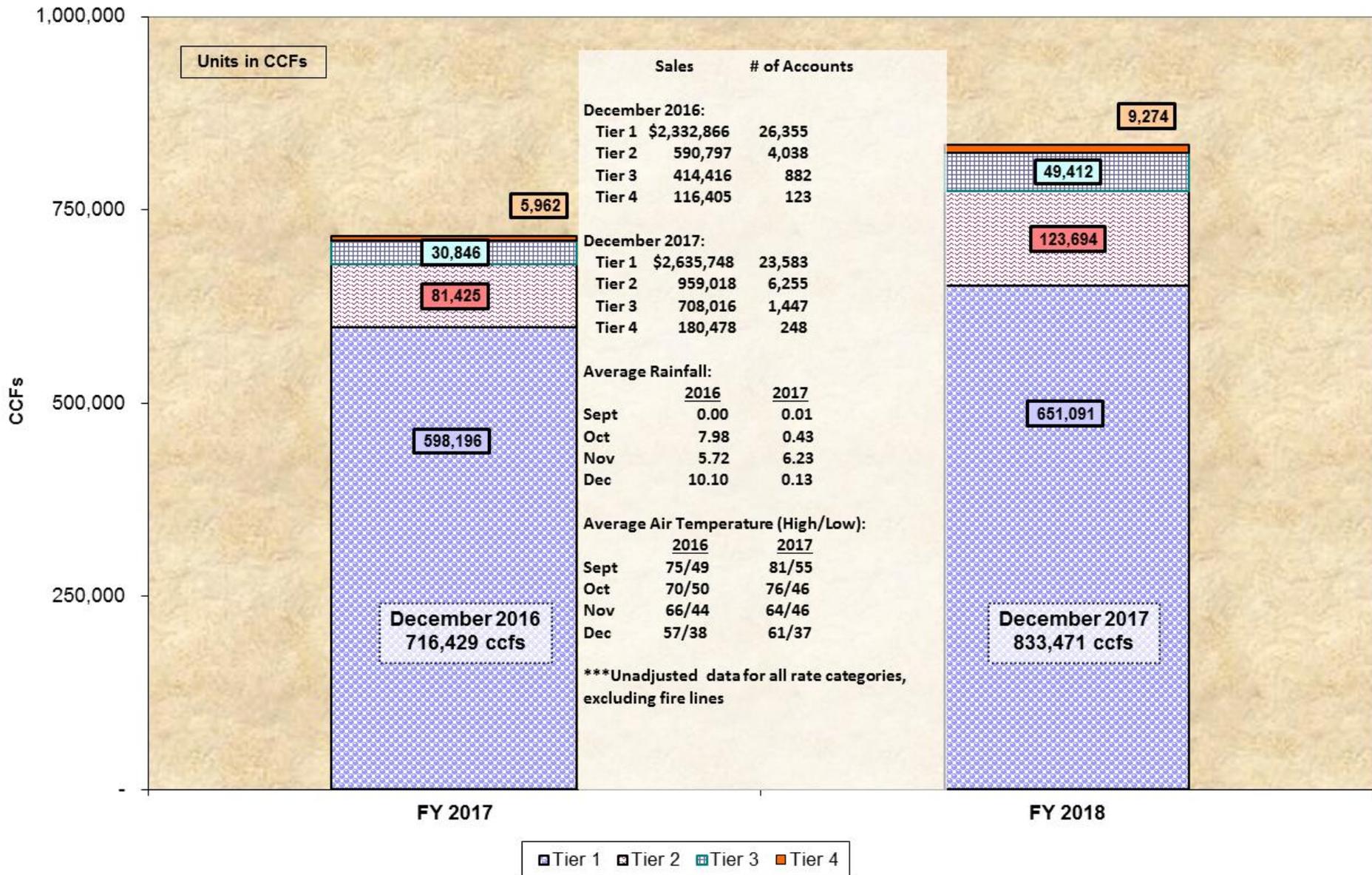


CUMULATIVE WATER REVENUE



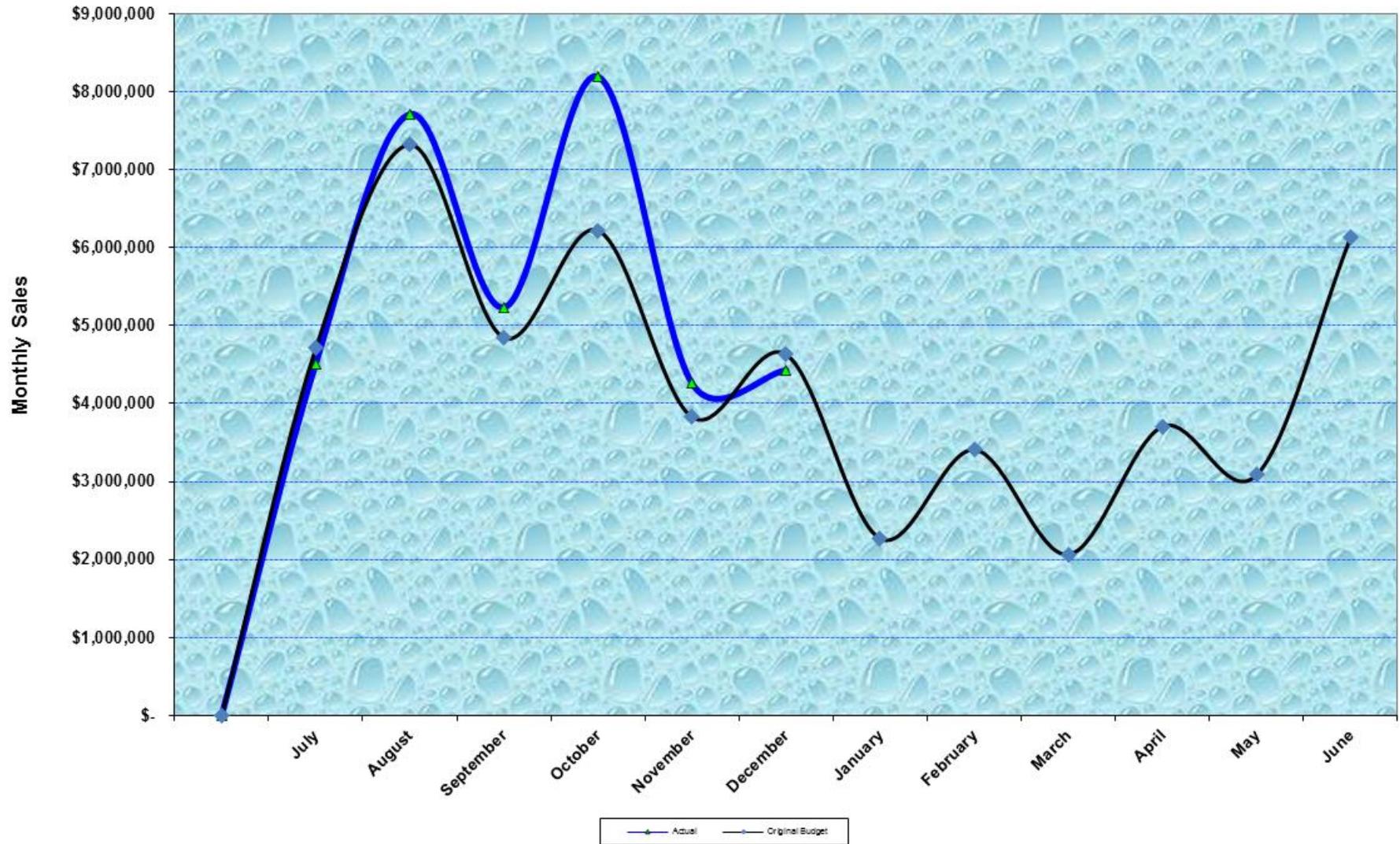
Consumption Comparison

December 2016 vs. December 2017



During the month of December 2017 consumption was up (higher) 117,042 ccfs from December 2016.

Water Sales - Budget vs Actual FY 2017-18





STAFF REPORT

SUBJECT: Alpine Dam 2019 Centennial Event
SUBMITTED BY: Crystal Yezman, Facilities and Watershed Division Manager, Facilities and Watershed Division
RECOMMENDED ACTION: Approve the 2019 Alpine Centennial Event

EXECUTIVE SUMMARY:

Construction of the Alpine Dam was completed in January 1919. In honor of the Alpine Dam's one hundred year anniversary, staff is proposing a Spring 2019 event to celebrate its historical significance and importance to water supply in Marin County. Staff proposes soliciting for sponsorships that will fund the event.

Staff's initial plan is to raise a minimum of \$25,000, which would fund an evening event at the dam site in March 2019. Surplus proceeds raised in planning for this event would be donated to the Mt. Tamalpais Watershed Fund, which gives watershed visitors the opportunity to help protect the mountain through a tax deductible donation. Staff plans on making this event cost neutral to the district.

Staff will keep the board apprised of the progress of fund raising and planning for this event.

FISCAL IMPACT: YES X No FISCAL YEAR: 2018

EXPENDITURES

Table with 2 columns: Description, Amount. Rows include Budgeted Amount, Budget Augmentation Requested, and TOTAL EXPENDITURES \$ 25,000.

FUNDING SOURCES

Table with 2 columns: Source, Amount. Rows include Operating Fund, Capital Fund, Other (Grant Funds) \$25,000, Operating Reserves, and TOTAL SOURCES \$25,000.

FISCAL IMPACT NARRATIVE:

Staff plans to raise enough external funds to make this cost neutral to the District.

BACKGROUND:

According to MMWD Policy 7, Mt. Tamalpais Watershed Management, section 6.2 B: “Fund Raising Events - Fund raising events that generate revenue for watershed purposes will be considered and may be allowed on a case-by-case basis upon approval by the Board of Directors.” Staff believe that the 100 year anniversary of Alpine Dam would be a great time to honor the history of the Marin Municipal Water District and ask the watershed visitors and other donors to offer their financial support to help preserve the nearly 22,000 acres of Watershed lands. Staff is requesting board approval to proceed with this fundraising event.

MMWD built Alpine Dam at the junction of Lagunitas Creek and Cataract Creek between 1917 and 1919 to create a source for a gravity water delivery system that would improve the south county's water supply. The district's engineer Albert R. Baker designed Alpine Dam in consultation with the well-known engineer of San Francisco's water system, M.M. O'Shaughnessy, who also sat on the MMWD Board of Directors. Hired in 1906 and again in 1909 by F.P. Howard, president of the early Lagunitas Water Company, O'Shaughnessy made recommendations for that location as a reservoir site.



Michael O'Shaughnessy helping build Alpine Dam, December 8, 1917

Due to public interest in the dam and surrounding area, we anticipate that the proposed 2019 fundraising event would elicit support from engineering firms, environmental philanthropists, and local residents. Surplus proceeds raised in planning for this event would be donated to the Mt. Tamalpais Watershed Fund. The Marin Municipal Water District (MMWD) created the Mt. Tamalpais Watershed Fund in 1996 to give watershed visitors the opportunity to help protect

the mountain through a tax deductible donation. Projects supported by donations to the fund are conducted with sensitivity to community concerns.

STRATEGIC PLAN ALIGNMENT:

The requested action aligns with the district's Strategic Plan Goal 2 and 3. Goal 2 is Financial Stewardship (carefully managing the assets the community has entrusted to MMWD). Goal 3 is Communications (ensuring effective public input into the MMWD policy-setting process).

REVIEWED BY:	A.S.D Manager/Treasurer	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Counsel	<input type="checkbox"/>	NA	<input checked="" type="checkbox"/>
	General Manager	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>

ATTACHMENTS:

None.



STAFF REPORT

SUBJECT: Future Agenda Items

SUBMITTED BY: Krishna Kumar, General Manager

RECOMMENDED ACTION: Information

CALENDAR

1-19 DOC, 9:30 a.m.
1-25 Finance, 9:30 a.m.

2-6 Board, 7:30 p.m.
2-16 DOC, 9:30 a.m.
2-20 Board, 7:30 p.m.
2-21 Communications, 9:30 a.m.
2-22 Finance, 9:30 a.m.