

MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099 Home Page: www.mcwd.org TEL: (831) 384-6131 FAX: (831) 883-5995 **DIRECTORS**

THOMAS P. MOORE

President

JAN SHRINER Vice President

HERBERT CORTEZ MATT ZEFFERMAN PETER LE

Agenda Regular Meeting Water Conservation Commission

MCWD Board Room, 11 Reservation Road, Marina, CA Thursday, February 7, 2019, 5:30 PM

This meeting has been noticed according to the Brown Act rules. The Water Conservation Commission meets regularly on the first Thursday of each month. The meetings normally begin at 5:30 p.m. and are held at the District Office at 11 Reservation Road, Marina, California.

Water Conservation Commission Mission Statement:

To provide input to the Board of Directors on matters pertaining to the preservation of the District's water resource through conservation, technological improvements and policy.

Commission Members

Shawn Storm, P.E., Chair Audra Walton
Phil Clark, Vice Chair Sarah Babcock
Bill Huynh
Jan Shriner (MCWD Board Liaison)

- 1. Call to Order
- 2. Roll Call
- 3. Pledge of Allegiance
- **4. Oral Communications** Any person wishing to address the Commission on matters not appearing on the Agenda may do so at this time. Please limit your comment to three minutes. The public may comment on any other item(s) listed on the Agenda at the time the item(s) is considered by the Commission.
- 5. Consent Calendar
 - A. Approve the January 10, 2018 Meeting Minutes

This agenda is subject to revision and may be amended prior to the scheduled meeting. Pursuant to Government Code section 54954.2(a)(1), the agenda for each meeting of the Commission shall be posted at the District offices at 11 Reservation Road. The agenda shall also be posted at the following locations, but those locations are not official agenda posting locations for purposes of section 54954.2(a)(1): City of Marina City Hall, Marina Library, City of Seaside City Hall, and the City of Seaside Library. A complete Commission packet containing all enclosures and staff materials will be available for public review on Thursday, January 31, 2019. Copies will also be available at the Commission meeting. Information about items on this agenda or persons requesting disability related modifications and/or accommodations should contact the Board Clerk 48 hours prior to the meeting at: 831-883-5910.

- **6. Action Items** The Commission will review and discuss agenda items and take action or direct staff to return to the Commission for action at a following meeting. The public may address the Commission on these Items as each item is reviewed by the Commission. Please limit your comment to three minutes.
 - A. Consider Recommending for Approval by the Board of Directors, the 2018 Water Conservation Public Outreach Event Schedule

7. Staff Reports

- A. Receive an Update on the Board Approved New Commissioner Term Length and Changes to the Water Conservation Commission Membership Table
- B. Review the Past and Present Water Conservation Budget
- C. Receive Updated Gallons Per Capita Day (GPCD), Water Production, and Water Consumption Data
- 8. Commission Member Requests for Future Agenda Items
- 9. Commissioner's Comments
- 10. Adjournment Set or Announce Next Meeting(s), date(s), time(s), and location(s):

Regular Meeting: Thursday, March 7, 2019, 5:30 p.m.,

MCWD Board Room, 11 Reservation Road, Marina, CA

Marina Coast Water District Water Conservation Commission Agenda Transmittal

Agenda Item:	5	ľ	Meeting Date: February 7, 2019
Prepared By:	Paula Riso	1	Approved By: Patrick Breen
Agenda Title:	Consent Calendar		
Staff Recomn presented.	nendation: The Water C	onservation Commissi	on approve the Consent Calendar as
quality water,	, wastewater collection	and conservation ser	Ve provide our customers with high vices at a reasonable cost, through crees in an environmentally sensitive
Consent calen	dar consisting of:		
A) Appro	ve the January 10, 2019	Meeting Minutes	
Discussion/A	nalysis: See individual t	cransmittals.	
Environmenta	al Review Compliance:	None required.	
Other Consid discussion.	erations: The Commiss	sion can approve this	item or they can pull the item for
Material Inclu	ided for Information/Co	nsideration: Draft minu	ates of January 10, 2019.
Action Requi	red:Resolut	ion <u>X</u> Motion	Review
		Commission Action	
Motion By	Seconded	d By	No Action Taken
Ayes		Abstain	ed
NT.		A.1 .	

Marina Coast Water District Water Conservation Commission Agenda Transmittal

Agenda Item: 5-A		Meeting Date: February 7, 2019	
Prepared By: Paula Riso		Approved By: Patrick Breen	
Agenda Title: Approve th	e January 10, 2019 Mee	eting Minutes	
wastewater collection ar	nd conservation service	Statement – We Provide high quality was ees at a reasonable cost, through planni rces in an environmentally sensitive manner.	
Discussion/Analysis: The review and approval.	draft minutes of Januar	ry 10, 2019 are provided for the Commission	n's
Environmental Review Co	ompliance: None require	ed.	
Financial Impact:	Yes <u>X</u> No	Funding Source/Recap: None	
Other Considerations: The	Commission can sugge	est changes/corrections to the minutes.	
Material Included for Info	rmation/Consideration:	Draft minutes of the January 10, 2019 meeti	ng.
Action Required:	ResolutionX	K Motion Review	
	Commission	on Action	
Motion By	Seconded By	No Action Taken	
Ayes		Abstained	
Noes		Absent	

Draft Minutes Water Conservation Commission

January 10, 2019

1. Call to Order:

The meeting was called to order at 5:39 p.m. Mr. Patrick Breen, Water Resources Manager, welcomed everyone and introduced the staff members that were present as well as the Board liaison, Vice President Jan Shriner.

2. Administer Oath of Office:

Mr. Breen administered the Oath of Office to Audra Walton, Bill Huynh, Phil Clark, Sarah Babcock, and Shawn Storm.

3. Roll Call:

Commission Members Present:

Audra Walton Bill Huynh Phil Clark Sarah Babcock Shawn Storm, P.E.

Commission Members Absent:

None

Staff Members Present:

Jan Shriner, Board Liaison Keith Van Der Maaten, General Manager Patrick Breen, Water Resources Manager Paul Lord, Water Conservation Specialist Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

None

4. Pledge of Allegiance:

Commissioner Clark led the Pledge of Allegiance.

Water Conservation Commission January 10, 2019 Page 2 of 6

5. Elect Chairperson and Vice Chairperson of the Water Conservation Commission:

Mr. Breen introduced this item. Mr. Keith Van Der Maaten, General Manager, welcomed everyone and asked that before the nominations begin, each Commissioner give a brief background about themselves so everyone could get to know a little bit about each other. He asked them to go in alphabetical order by their first names.

Commissioner Walton gave a brief background about herself. She shared that as well as being a gamer; she's on the Green Party County Council; Green Party California's IT Committee and Grassroots Organizing Workgroup; Citizen's for Just Water; the Women's March Planning Committee; and she also prepares taxes for Jackson Hewitt. Commissioner Walton added that she has a degree in politics from UC Santa Cruz; and, an associate degree in Social Science, with honors, from Monterey Peninsula College. She said she also has three grown children. Vice President Shriner asked Commission Walton to elaborate on her work with Citizen's for Just Water. Commissioner Walton shared that she appeared before LAFCO regarding annexation; spoke before the Regional Board; and, spoke at the California Coastal Commission.

Commissioner Huynh gave a brief background about himself. He shared that he majored in Environmental at UC Santa Cruz, with an emphasis in accounting. Commissioner Huynh stated that he works for California Water Service as their Water Quality Specialist and oversees the northern district from Chico to King City, specializing in Title 22. He added that he hopes to give back to his community by serving on this Commission.

Commissioner Clark gave a brief background about himself. He shared that he was a returning former Commissioner, and during the last year, the Commission met 85% of their goals that were approved by the Board. Commissioner Clark stated that they worked on the Conservation Ordinance with regards to high-efficient toilets, and the rebate programs for clothes washers and landscapes. He said that they also did public outreach programs that talked about conservation.

Commissioner Babcock gave a brief background about herself. She shared that she was a graduate of CSUMB and was very interested in volunteering in her community. Commissioner Babcock said that while at CSUMB, she worked with MCWD to jumpstart a water conservation program in the student dorms on campus. She commented how excited she was to get involved in her community and helping give a voice to her generation.

Commissioner Storm gave a brief background about himself. He shared that he has been a Professional Engineer in Computer Engineering for the last ten years, and prior to that he had degrees in Computer Science and Electrical Engineering. Commissioner Storm said that he has twenty years of experience developing chips at large companies, including Microsystem. He said that experience opened up his mind and he wanted to expand his knowledgebase, hence getting his Professional Engineer (PE) license. Commissioner Storm stated that after obtaining his PE, he went to work for Intel in their graphics department and was able to root cause their biggest problem and debug that problem and write their software framework to fix that class of bugs. He said that he went back to school in Santa Clara and got his master's degree in Computer Engineering Management, with honors. Commissioner Storm is looking forward to contributing what he can to the community and help reduce the carbon footprint and reduce water usage.

Water Conservation Commission January 10, 2019 Page 3 of 6

Agenda Item 5 (continued):

Mr. Van Der Maaten stated that staff realized the District needed to restructure the Water Conservation Commission to better utilize their potential in advising the Board on important water matters. He said he was looking forward to working with the Commission and gave a brief background about the District, noting that if anyone wanted additional information, he would be happy to provide it, or they could request to have something added to an agenda for discussion.

Vice President Shriner explained how, as a Board member, she must maintain a certain distance and limit the contact with staff, so as not to get into the daily business of the District. She noted that the District is involved in a lot of thing and staff is very busy. Vice President Shriner added that as a member of a five-member Board, not one member gets any preferential treatment or makes any one-sided decisions. She stated that the reason she volunteers to do this for a very small stipend, is because she enjoys giving back to her community and the veterans, especially because she comes from a family of veterans.

Commissioner Clark asked for examples of what was expected of the Commission. Mr. Van Der Maaten answered that one thing staff is expecting the Commission to look at are the conservation programs and the effectiveness of those programs and are they the best use of the funds for the District. He added that Commissioner Storm's interest in technology might be able to move the District in a different direction; as well as Commissioner Babcock's knowledge of working with CSUMB and possibly opportunities to use those technologies out there. Mr. Van Der Maaten said he would also like the Commission to look at the District's laws and ordinances and continue with public outreach as a tool to achieve conservation.

Mr. Breen commented that it was time to make nominations for Chair and Vice Chair.

Mr. Van Der Maaten explained how nominations are made. He explained that someone makes a motion and someone else seconds the motion. Once a second is made on the motion, a vote is taken. A majority affirmative vote passes the motion.

Commissioner Walton nominated Commissioner Storm for Chair. Commissioner Huynh seconded the nomination.

Commissioner Clark stated he was interested in being Chair as well and was told he could make a substitute nomination.

Commissioner Clark made a substitute nomination to nominate himself for Chair. The substitute nomination died for lack of a second.

The nomination for Commissioner Storm for Chair was passed by the following vote:

Commissioner Babcock - Yes Commissioner Walton - Yes Commissioner Clark - No Commissioner Huynh - Yes

Commissioner Storm - Yes

Water Conservation Commission January 10, 2019 Page 4 of 6

Agenda Item 5 (continued):

Chair Storm asked if there were any nominations for Vice Chair.

Commissioner Huynh nominated Commissioner Clark for Vice Chair. Commissioner Babcock seconded the nomination.

The nomination for Commissioner Clark for Vice Chair was passed by the following vote:

Commissioner Babcock - Yes Commissioner Walton - Yes Commissioner Clark - Yes Commissioner Huynh - Yes

Chair Storm - Yes

Mr. Van Der Maaten informed Chair Storm that staff would be available to assist him with running the meeting until he is comfortable and gets more experience.

6. Oral Communications:

There were no public comments.

7. Consent Calendar:

Mr. Van Der Maaten explained how a Consent Calendar worked and that all the items on the Consent Calendar can be approved with one motion unless someone pulls an item for discussion.

Chair Storm asked if anyone wanted to pull an item from the Consent Calendar. Upon hearing no requests, Chair Storm asked if anyone wanted to make a motion to approve the Consent Calendar.

Vice Chairperson Clark made a motion to approve the Consent Calendar consisting of items A) Accept the July 12, 2018 Meeting Minutes; and B) Approve the 2019 Water Conservation Commission Meeting Schedule. Commissioner Walton seconded the motion. With a vote of 5-Ayes, 0-Noes, 0-Abstained, 0-Absent, the motion was passed.

8. Staff Reports:

A. Receive an Update on the Length of New Commissioner Terms and Changes to the Water Conservation Commission Membership Table:

Mr. Breen introduced this item explaining how the terms are staggered to avoid a change of the entire membership at one time. He noted that three positions would have a term of two-years, while two positions would have a term of three-years. Mr. Breen stated that at the end of the three-year term, those two positions would revert to two-year terms. He asked the Commission to discuss amongst themselves who would like to volunteer for the two-year or three-year terms and to make a recommendation to the Board for their consideration at the next Board meeting.

Water Conservation Commission January 10, 2019 Page 5 of 6

Agenda Item 8-A (continued):

Commissioners Walton, Babcock and Huynh volunteered to take the two-year terms, and Commissioners Clark and Storm volunteered for the 3-year terms.

Vice Chair Clark made a motion to recommend the agreed upon term lengths to the Board of Director's for consideration at their next Board meeting. Commissioner Huynh seconded the motion. The recommendation will be forwarded to the Board.

Vice President Shriner left the meeting at 6:20 p.m.

B. Receive New Commissioner Orientation Packet and Procedures for the Water Conservation Commission:

Mr. Paul Lord, Water Conservation Specialist, introduced this item. He went over the Commission Orientation Packet and reviewed the Commission's Procedures. Commissioner Huynh asked if the District has a document listing all the conservation programs. Mr. Lord answered that there was not a single document that had all the conservation programs outlined, and only the newest programs actually have written outlines. Mr. Van Der Maaten said that perhaps that was something the District should look into compiling.

Chair Storm asked if the Commission would be getting a breakdown on water usage within the District. Mr. Lord answered that the Commission will get water production and usage data on a regular basis.

Commissioner Huynh asked about the budget for conservation. Mr. Van Der Maaten answered that the budget season was just beginning, and the conservation budget will come before the Commission soon.

C. Receive Guidance on Parliamentary Procedure and the Brown Act Statute:

Mr. Breen pointed out that everyone had a copy of "Using Parliamentary Procedure; A guide to conducting orderly meetings" on the dais and advised them to take time to read it and familiarize themselves with the standard order of business, the correct way to present motions and proper voting procedure.

Mr. Breen briefly explained the Brown Act and cautioned about serial meetings. He noted that additional training would be provided in the near future. Staff explained the procedure for producing and posting packets. Commissioners Babcock and Huynh opted to receive their packets electronically.

The Commission asked if the meetings were televised and how to request items for the agenda. Mr. Van Der Maaten stated that the meetings were not televised, but were audio recorded. He also said that primarily staff places items on the agenda but there is an item on the agenda where Commissioners can request to add items. Mr. Van Der Maaten also said that Commissioner's can send an email to Mr. Breen with their requests.

Water Conservation Commission January 10, 2019 Page 6 of 6

9. Commission Member Requests for Future Agenda Items:

Chair Storm asked if anyone had any requests for future agenda items.

Vice Chair Clark asked to revisit Ordinance 3.36 and look into digitized water meters.

Commissioner Walton asked for an update on the CalAm slant wells.

Chair Storm asked if there was a listing of the things the previous Commission worked on, what the outcome was, and/or lessons learned. Mr. Van Der Maaten commented that, in a way, this restructured Commission was due to the fact that previously, the Commission got away from the "Board advisory" role. He hoped that by formalizing the meetings and restructuring them, it would address the issue and get things back on track.

Chair Storm stated he would like to look at a comparative analysis of commercial verses residential water use and sewer use; automated sprinkler waste reporting.

Following discussion, Mr. Van Der Maaten suggested adding the sewer history and discussion to a future agenda.

10. Commissioner's Comments:

Commissioner Babcock commented that she is interested in learning more about wastewater; and technology to address water usage.

11. Adjournment:

The meeting was adjourned at 7:00 p.m.

Marina Coast Water District Water Conservation Commission Agenda Transmittal

Agenda Item: 6-A Meeting Date: February 7, 2019

Prepared By: Paul Lord Approved By: Patrick Breen

Agenda Title: Consider Recommending for Approval by the Board of Directors, the 2019 Water

Conservation Public Outreach Event Schedule

Staff Recommendation: Review, discuss, and consider recommending for approval by the Board of Directors, the 2019 Water Conservation Public Outreach Event Schedule.

Background: 5-Year Strategic Plan, Mission Statement — We Provide high quality water, wastewater collection and conservation services at a reasonable cost, through planning, management and the development of water resources in an environmentally sensitive manner.

Discussion/Analysis: Staff has prepared a listing of public events to attend in 2019. These events are typically attended each year being selected as having effective results and/or targeting a specific group of customers. As promising opportunities arise staff may attend alternative events. This schedule is to be forwarded to the Board of Directors for approval.

In a typical year, staff attends 10-15 public, and semi-public events where water conservation education and information about the District's water conservation programs is provided to guests that visit staff's booth. Water conservation booklets, informational flyers, and water saving retrofit devices are provided free of charge to guests.

The events planned for 2019 include:

Month	Event
January	
February	Fort Ord Clean-Up
	CSUMB Sustainability Fair
March	Marina Rotary "Cars in the Park"
April	Marina Earth Day
	DoD Earth Day
	CSUMB Earth Day
May	Marina Children's Birthday Celebration
June	
July	Fort Ord Clean-Up
August	CSUMB Otter Showcase
September	Marina Labor Day
	Seaside Parking Day
	Monterey County Fair
October	Fort Ord Light of the Night Event
	CSUMB Otter Expo
November	
December	

Staff will also attend Marina Farmer's Market (date to be determined).									
Environmental Review	w Compliance: None	requi	red.						
Financial Impact: Yes X No Funding Source/Recap: Proposed 2018-2019 water conservation budgets for advertisement and printing, Marina and Ord service area water conservations.									
Other Considerations:	Modify the schedule	by n	naking add	itions or removing ev	rents.				
Material Included for	Information/Consider	ation	: None						
Action Required:	Resolution	X	_Motion	Review	Oath				
	Com	miss	ion Action						
Motion By	Seconded By_			No Action Taken	l				
Ayes	Abstained								
Noes	Absent								

Marina Coast Water District Water Conservation Commission Staff Report

Agenda Item: 7-A Meeting Date: February 7, 2019

Prepared By: Paul Lord Approved By: Patrick Breen

Subject: Receive an Update on the Board Approved New Commissioner Term Length and

Changes to the Water Conservation Commission Membership Table

Summary: In August 2018, the Board approved the restructure of the Water Conservation Commission and shortly thereafter began receiving applications for the five public positions.

Commissioners normally serve two-year terms, but to have staggered appointments every two years, two Commissioners will serve initial three-year terms. Then, after those initial terms are served, they will revert to two-year terms. The other three Commissioners will serve two-year terms.

At their January 10th meeting, the Water Conservation Commission discussed the terms and made a recommendation to the Board of Directors. On January 22nd, the Board approved the Commission's recommendation on which Commissioners would serve the two and three-year terms.

The Water Conservation Commission Membership Table has been updated to show the term ending dates for the five commission seats.

WCC Membership Table February 7, 2019							
	Water Conservation Commission Appointments						
Position	Term	Current Commissioner					
Position #1:	2-year term January 2019 - December 2020	Sarah Babcock					
Position #2:	2-year term January 2019 - December 2020	Bill Huynh					
Position #3:	2-year term January 2019 - December 2020	Audra Walton					
Position #4:	3-year term January 2019 - December 2021	Phil Clark					
Position #5:	3-year term January 2019 - December 2021	Shawn Storm					

Marina Coast Water District Water Conservation Commission Staff Report

Agenda Item: 7-B Meeting Date: February 7, 2019

Prepared By: Paul Lord Approved By: Patrick Breen

Subject: Review the Past and Present Water Conservation Budget

Summary: For the Commission to review, Staff presents the conservation department expenditures for fiscal years 2015-2016, 2016-2017, and 2017-2018. For comparison, the conservation budget for fiscal year 2018-2019 is also included. Staff will soon compile a draft budget for fiscal year 2019-2020 and present the draft budget to the commission once completed.

Conservation Program Expenditures & Budget (Unallocated Expenses)								
		2015/2016	2016/2017	2017/2018	2017/2018	2018/2019	2019/2020	
Description	Service Area	Expenditures	Expenditures	Budget	Expenditures	Budget	Budget	
BOOKS & REF MATERIALS	Marina	0	0	64	0	60		
	Ord	0	0	136	0	140		
GENERAL SUPPLY	Marina	305	101	320	1,286	150		
	Ord	618	215	680	2,733	350		
COMPUTERS/DATA PROCESSING	Marina	238	237	224	250	300		
	Ord	482	503	476	530	700		
MEMBERSHIPS & DUES	Marina	1,775	1,824	1,920	1,761	1,800		
	Ord	3,603	3,874	4,080	3,741	4,200		
LANDSCAPE DEMONSTRATION	Marina	420	90	480	426	450		
	Ord	852	190	1,020	906	1,050		
CONSERVATION EDUCATION	Marina	6,732	4,800	28,050	11,776	28,050		
	Ord	4,157	2,800	18,700	8,680	18,700		
CONSULTING SERVICES	Marina	0	0	1,760	0	750		
	Ord	0	0	3,740	0	1,750		
PRINTING	Marina	5,818	2,849	5,700	2,793	5,700		
	Ord	6,147	2,247	4,300	2,048	4,300		
PROMOTIONAL MATERIALS	Marina	1,611	1,690	3,500	75	2,500		
	Ord	504	538	1,100	0	2,500		
HOT WATER RECIR REBATE	Marina	3,770	3,272	4,000	1,747	2,700		
	Ord	0	0	1,000	0	300		
LANDSCAPE REBATE	Marina	14,767	8,191	30,000	7,005	20,000		
	Ord	5,150	949	10,000	459	16,000		
TOILET REBATE	Marina	39,299	19,657	30,000	17,606	30,000		
	Ord	12,152	5,469	50,000	40,620	50,000		
WASHING MACHINE REBATE	Marina	12,175	8,750	10,500	3,950	3,840		
	Ord	6,750	8,250	7,500	4,400	4,160		
SHOWER HEADS AND AERATORS	Marina	6,328	4,323	2,000	1,638	2,500		
	Ord	5,871	2,953	2,000	1,004	2,500		
		139,524	83,773	223,250	115,434	205,450	0	

Marina Coast Water District Water Conservation Commission Staff Report

Agenda Item: 7-C Meeting Date: February 7, 2019

Prepared By: Paul Lord Approved By: Patrick Breen

Subject: Receive Updated Gallons Per Capita Day (GPCD), Water Production, and Water

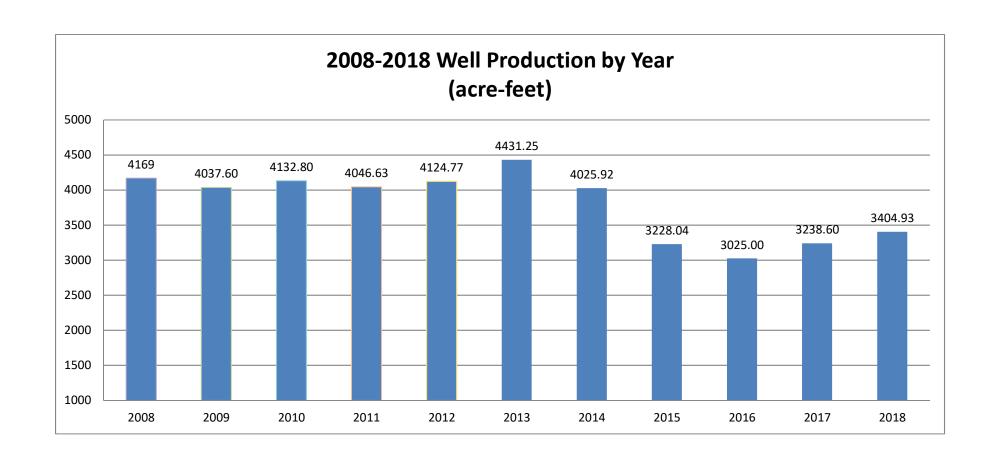
Consumption Data

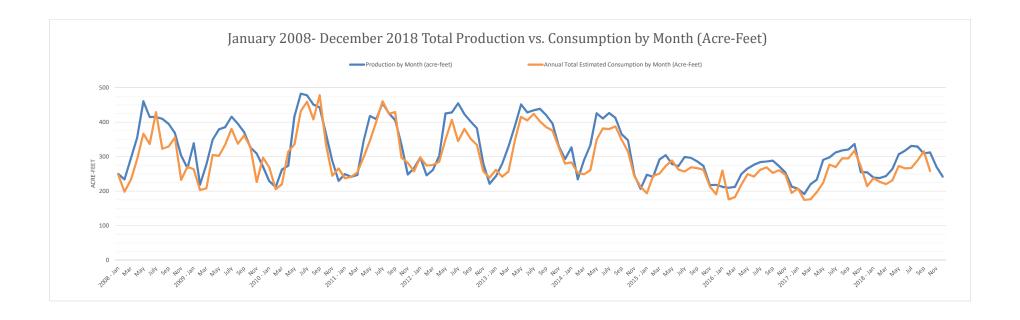
Summary: In 2014, responding to the ongoing drought, the State Water Resources Control Board (SWRCB) approved a temporary emergency regulation that directed water purveyors to electronically report monthly water production and consumption figures. Also requested by the SWRCB, at that time, was an estimate of the amount of water used each day by residential customers. This estimate, called "residential gallons per capita per day", or R-GPCD, accurately represents water use by individuals and allows communities to compare their water use reduction efforts accurately with others around the state.

Although this reporting is only voluntary at this time, Marina Coast Water District staff continues to support the SWRCB efforts to compile and submit water production, R-GPDC data, and other required monitoring reports each month.

Included in this report are tables and charts that show water production figures through December 2018. Also included are tables and charts showing the gallons-per-capita-day (GPCD) and R-GPCD data that has been compiled. The documents are entitled:

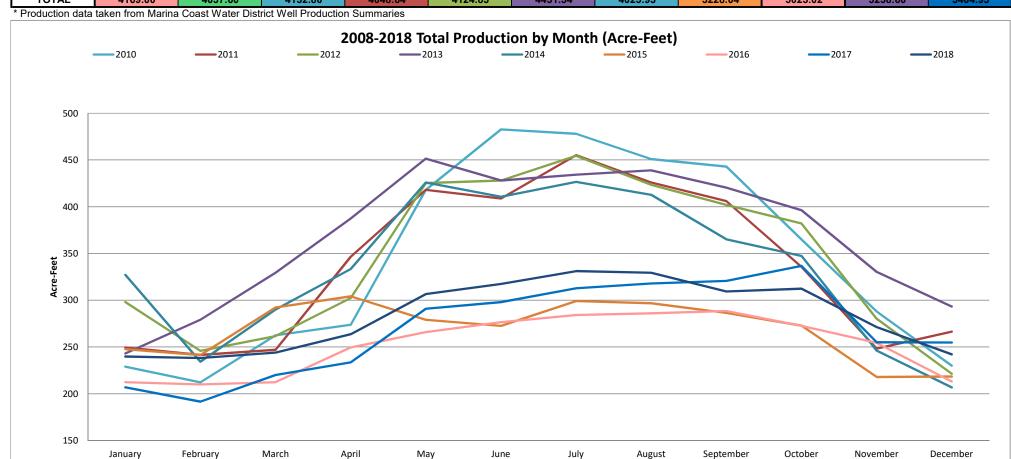
- 2008 2018 Well Production by Year
- 2008 2018 Total Production vs. Consumption by Month
- 2008 2018 Total Production by Month
- Monthly Production Savings and Cumulative Savings, January 2017 Current Month
- 2018 Production vs. Water Production Reduction Goals
- 2014 2018 Monthly GPCD (Gross Production)
- 2013 2018 Residential Gallons-Per-Capita-Day
- 2018 Total Billed Consumption (Pie Chart)
- 2013 2018 Total Consumption by Month (Bar Graph)
- 2013 2018 Single-Family Consumption by Month
- 2013 2018 Multi-Family Consumption by Month
- 2013 2018 Residential Consumption by Month
- 2013 2018 Commercial/Institutional Consumption by Month
- 2013 2018 Landscape Irrigation Consumption by Month
- 2015 2018 Temporary Hydrant Meter Water Use and Number of Meters
- 12 Month Categorical Meter Count
- 2016-2018 Active Meter Count vs Metered Consumption
- December 2018 Active Meter Count



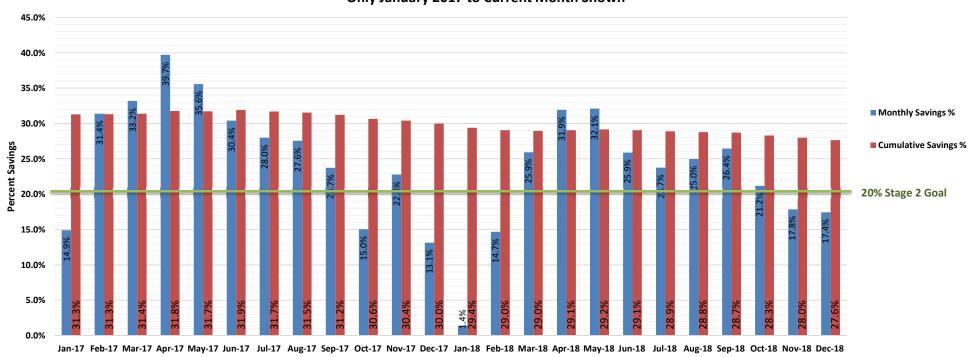


Production by Month (acre-feet)

	Trouvellon by month (dot's look)										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
January	250.00	339.10	228.90	249.50	297.99	243.06	327.14	247.66	212.37	206.84	239.68
February	234.00	218.80	212.10	241.52	245.82	279.08	234.16	241.34	209.91	191.50	238.15
March	295.00	277.40	262.40	247.05	261.68	329.29	290.01	292.16	212.37	220.04	243.98
April	355.00	349.20	273.70	346.48	302.29	387.29	333.28	304.13	249.50	233.54	263.62
May	461.00	379.30	418.00	417.98	425.35	451.43	425.96	278.96	265.77	290.93	306.58
June	415.00	385.50	482.70	408.78	428.11	428.11	410.62	272.52	276.51	297.99	317.32
July	415.00	415.80	478.00	455.12	454.50	434.25	426.58	299.06	284.18	312.72	331.13
August	410.00	395.30	451.00	425.96	423.48	438.85	412.77	296.76	286.02	317.94	329.29
September	395.00	371.00	443.00	406.01	402.02	420.44	365.20	286.33	288.48	320.70	309.34
October	369.00	326.80	365.00	335.59	382.08	396.27	347.40	272.82	272.52	336.66	312.41
November	303.00	308.70	288.00	248.27	280.19	330.21	246.12	217.89	254.41	255.02	271.29
December	267.00	270.70	230.00	266.38	221.32	293.26	206.69	218.41	212.98	254.72	242.14
TOTAL	4169.00	4037.60	4132.80	4048.64	4124.83	4431.54	4025.93	3228.04	3025.02	3238.60	3404.93



Monthly Production Savings and Cumulative Savings Compared to 2013 Only January 2017 to Current Month Shown



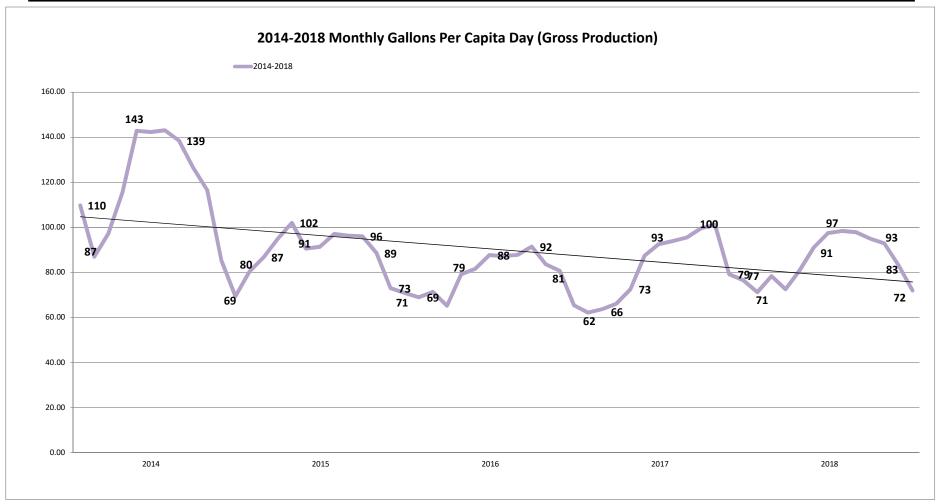
Month

2018 Production VS. Water Production Reduction Goals





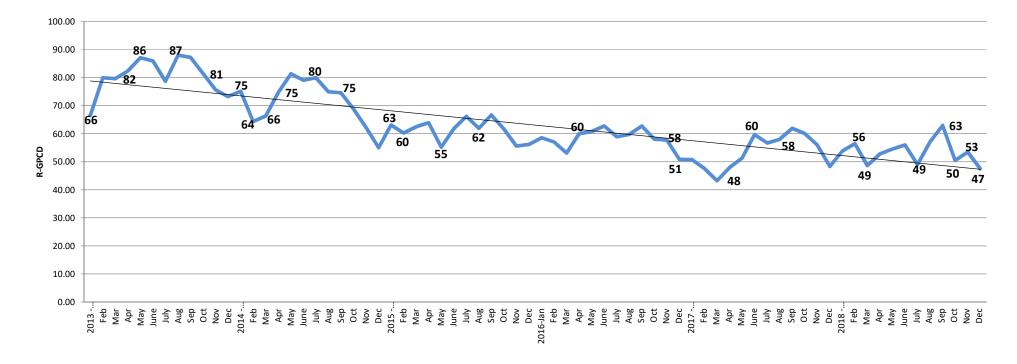
District Baseline and GPCD Targets (Gross Production)					
Description	Year	Amount (gpcd)			
Baseline GPCD	2008	133			
Maximum Allowable Target	2020	126			
Interim GPCD Target	2015	125			
2020 GPCD Target	2020	117			
2014 GPCD	2014	115			
2015 GPCD	2015	89			
2016 GPCD	2016	79			
2017 GPCD	2017	83			
2018 GPCD	2018	86			



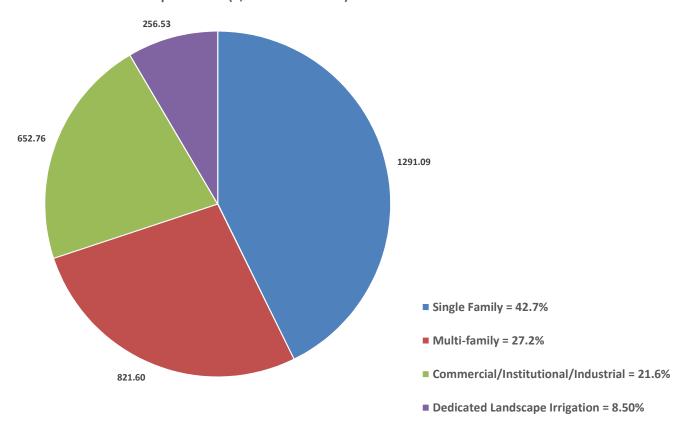
Residential Gallons Per Capita Day (RGPCD) Based on Annual Residential Water Use and Annual Gross Production					
Description	Amount RGPCD				
2013 RGPCD	73				
2014 RGPCD	65				
2015 RGPCD	56				
2016 RGPCD	57				
2017 RGPCD	53				
2018 RGPCD	53				

2013-2018 Residential Gallons-per-Capita-Day

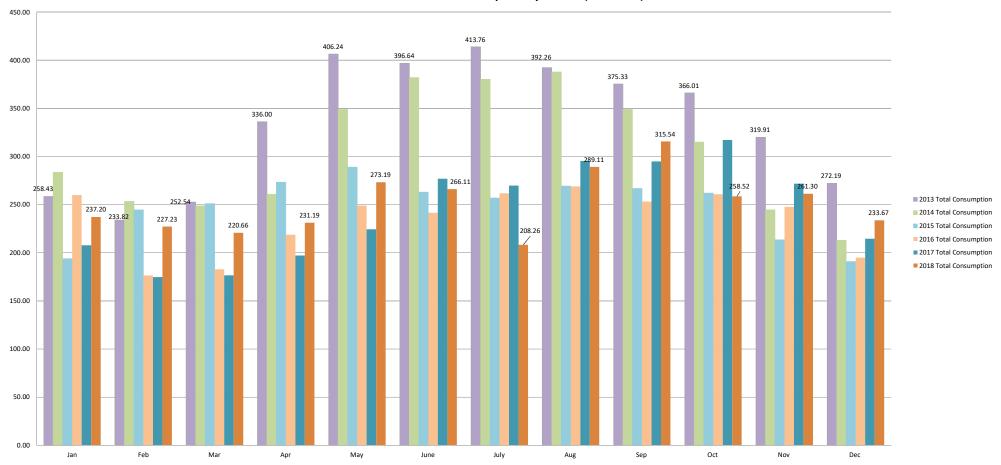


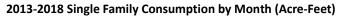


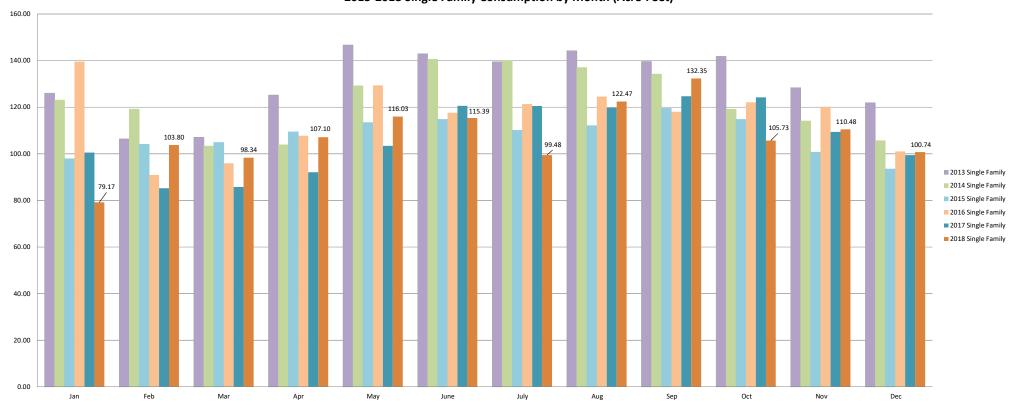
Total Billed Consumption 2018 (3,021.98 Acre-Feet)



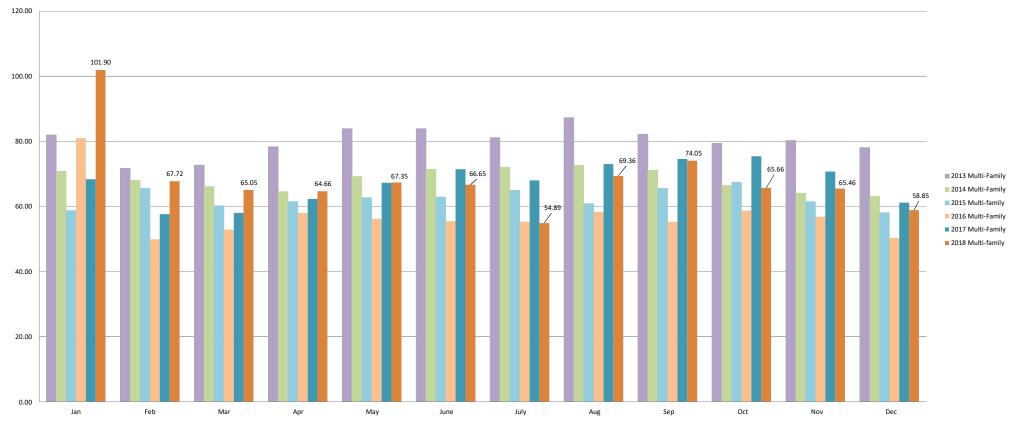
2013-2018 Total Consumption by Month (Acre-Feet)

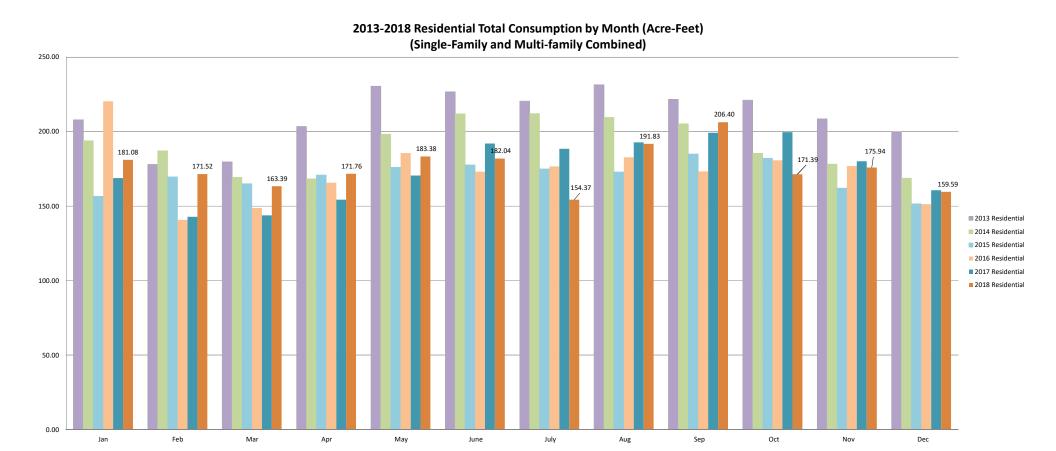




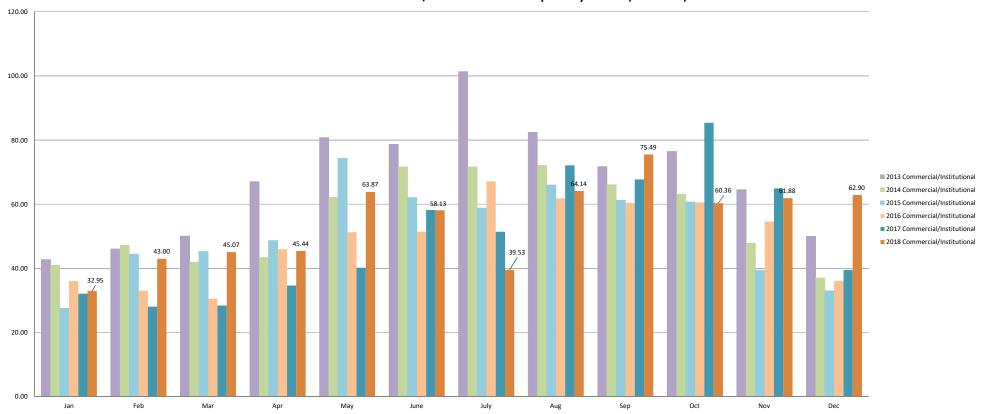


2013-2018 Multi-Family Total Consumption by Month (Acre-Feet)

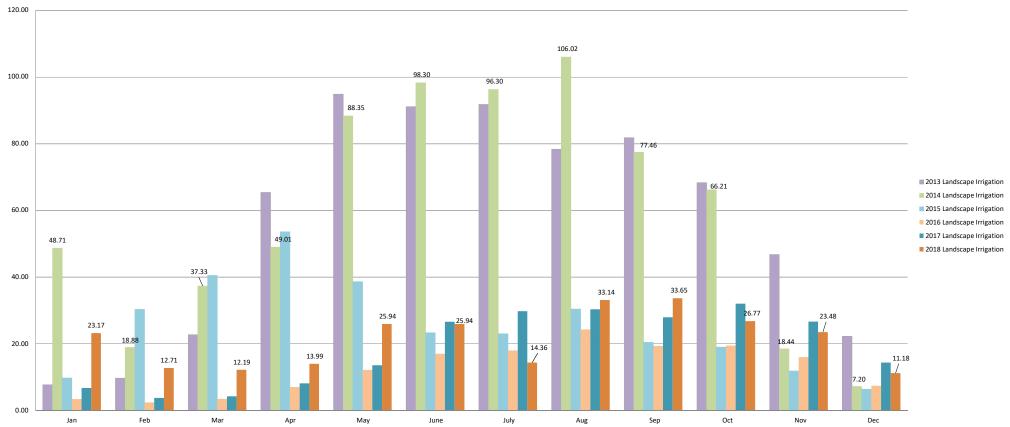




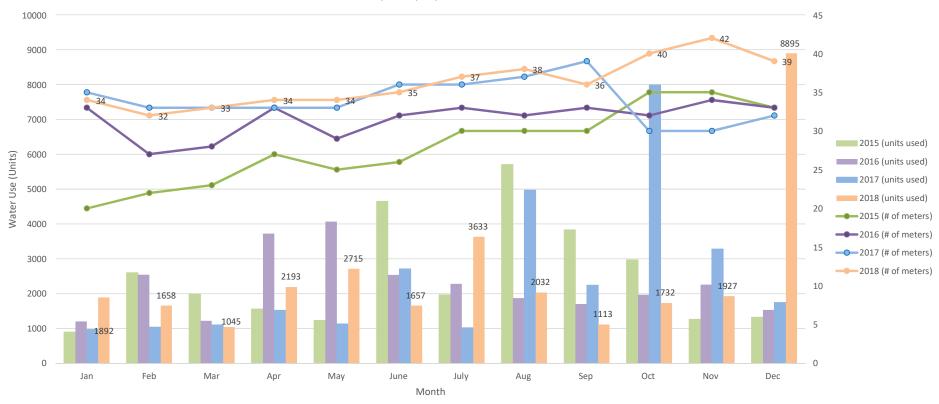
2013-2018 Commercial/Institutional Consumption by Month (Acre-Feet)

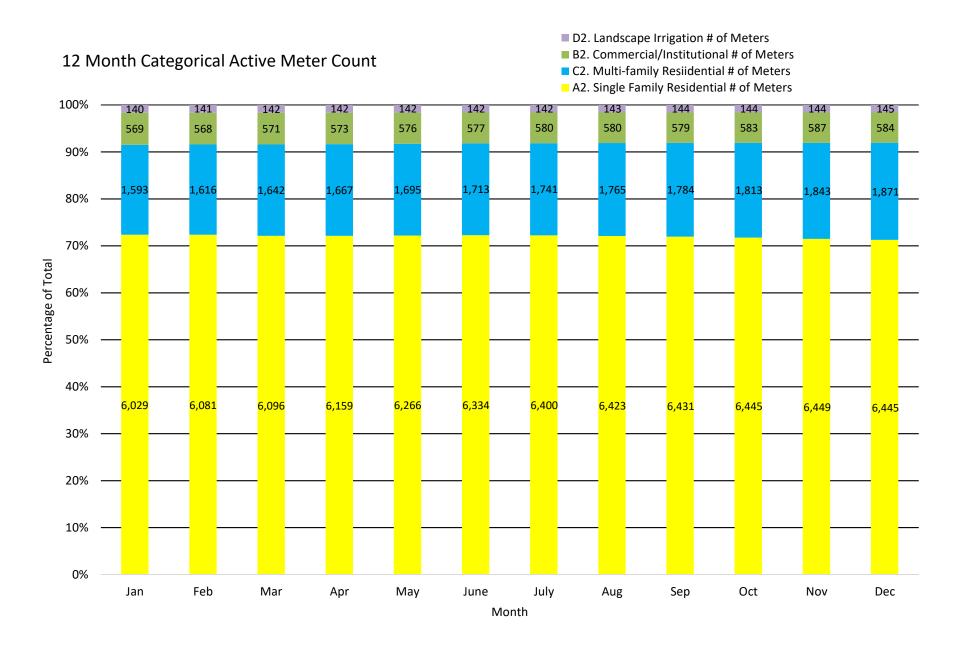




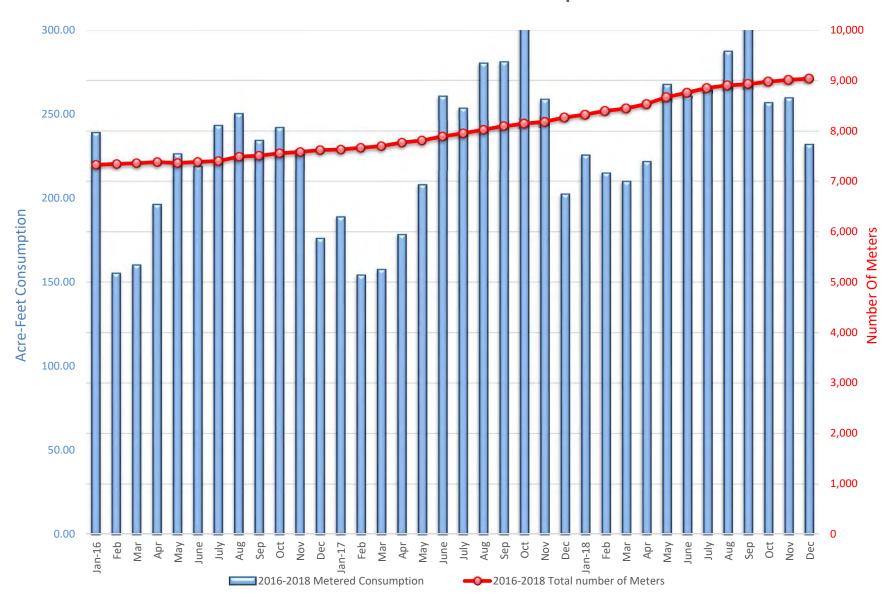


2015-2018 Total Temporary Hydrant Meter Water Use and # of Meters

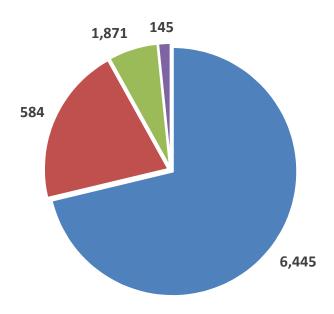




2016 - 2018 Active Meter Count vs. Metered Consumption in Acre-Feet



9,045 Active Meters | December 2018



- Single Family Residential = 71.3% of Meters
- Multi-family Residential =20.7% of Meters
- Commercial/Institutional/Industrial = 6.5% of Meters
- Landscape Irrigation = 1.6% of Meters