



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
PETER LE
MATT ZEFFERMAN

Agenda

Regular Meeting

Water Conservation Commission

MCWD Board Room, 11 Reservation Road, Marina, CA

Thursday, May 2, 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 April 4, 2019 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 Friday, April 26, 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 FY 2019-2020 Conservation Budget

B. Consider Recommending Forwarding the Central Coast Long-term Environmental Assessment Report to the District's Community Outreach Committee for Review and Possible Action

7. Staff Reports

A. Receive a Report on the HE Toilet Rebate Program

B. Receive a Report on the Hot Water Recirculation Pump Rebate Program

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, June 6, 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

Meeting Date: May 2, 2019

Prepared By: Paula Riso

Approved By: Patrick Breen

Agenda Title: Consent Calendar

Staff Recommendation: The Water Conservation Commission approve the Consent Calendar as presented.

Background: *5-Year Strategic Plan Mission Statement – We provide our customers with 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.*

Consent calendar consisting of:

A) Approve the April 4, 2019 Meeting Minutes

Discussion/Analysis: See individual transmittals.

Environmental Review Compliance: None required.

Other Considerations: The Commission can approve this item or they can pull the item for discussion.

Material Included for Information/Consideration: Draft minutes of April 4, 2019.

Action Required: _____Resolution __X__Motion _____Review

Commission Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 5-A

Meeting Date: May 2, 2019

Prepared By: Paula Riso

Approved By: Patrick Breen

Agenda Title: Approve the April 4, 2019 Meeting Minutes

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: The draft minutes of April 4, 2019 are provided for the Commission's review and approval.

Environmental Review Compliance: None required.

Financial Impact: ___ Yes ___ X No Funding Source/Recap: None

Other Considerations: The Commission can suggest changes/corrections to the minutes.

Material Included for Information/Consideration: Draft minutes of the April 4, 2019 meeting.

Action Required: ___ Resolution ___ X Motion ___ Review

Commission Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Draft Minutes
Water Conservation Commission

April 4, 2019

1. Call to Order:

The meeting was called to order at 5:31 p.m.

2. Roll Call:

Commission Members Present:

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

Commission Members Absent:

None

Staff Members Present:

Patrick Breen, Water Resources Manager
Paul Lord, Water Conservation Specialist
Paula Riso, Executive Assistant/Clerk to the Board

Audience Members:

None

3. Pledge of Allegiance:

Chair Storm led the Pledge of Allegiance.

4. Oral Communications:

Commissioner Huynh asked if there was a way to get the message out to the East Garrison community that landscapes don't need to be watered seven days a week.

5. Consent Calendar:

A. Approve the March 7, 2019 Meeting Minutes:

Vice Chair Clark asked that page 3 of the minutes clarify Ms. Grossman as a CSUMB student.

Vice Chair Clark made a motion to approve the March 7, 2019 meeting minutes as corrected. Commissioner Walton seconded the motion. With a vote of 5-Ayes, 0-Noes, 0-Abstained, 0-Absent, the motion was passed.

6. Staff Reports:

A. Receive a Report on HE Toilet Rebates:

Mr. Lord introduced this item. He reviewed the history of the toilet rebate program and the different trends over the years. The Commission asked several questions including the following: how many rebates per house; is the rebate information is available at the stores; are all houses eligible, including new houses; are the forms were available in Spanish; how often can a homeowner get a rebate; and, can we ask on the rebate form how many people live in the house.

Commissioner Huynh requested staff bring back the HE toilet rebate procedures with the requirement for replacement by an ultra high efficiency toilet. Vice Chair Clark would like to see rebates for only 1.0 or 0.8 gallon ultra high efficiency toilets. Chair Storm asked to see the options of focusing on the ultra high efficiency toilet rebates, as well as the current rebate, and making sure there is sufficient budget for other ways to save water. Commissioner Babcock asked to see the District offer the rebate forms in Spanish. Chair Storm asked to have additional space on the rebate form that asks more information about home fixtures, including reverse osmosis and landscaping systems.

7. Commission Member Requests for Future Agenda Items:

A. Receive a Listing of Requested Future Agenda Items:

Chair Storm said that he would still like to see the retrofit metrics that he had previously requested as well as an item on wastewater sustainability.

8. Commissioner's Comments:

Commissioner Babcock commented that she was excited to be here and a part of this Commission.

Chair Storm commented that the "Save our Water" website link was broken on the District website. He said that there was some good information in the FAQ's on the District website. Chair Storm thanked Vice Chair Clark for his help at the "Cars in the Park" public event.

Vice Chair Clark thanked Chair Storm for also helping at the event.

Commissioner Huynh asked if the laboratory staff would be attending a meeting to discuss water quality. Mr. Breen answered that staff would check into it.

Commissioner Walton thanked staff for their hard work.

9. Adjournment:

The meeting was adjourned at 7:12 p.m.

Water Conservation Commission
Agenda Transmittal

Agenda Item: 6-A

Meeting Date: May 2, 2019

Prepared By: Paul Lord

Approved By: Patrick Breen

Agenda Title: Consider Recommending for Approval by the Board of Directors the FY 2019-2020 Conservation Budget

Staff Recommendation: Consider Recommending for Approval by the Board of Directors the FY 2019-2020 Conservation Budget

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: It is requested that the WCC consider recommending for approval by the Board of Directors the FY 2019-2020 Conservation Budget.

Additional reviews of this proposed budget are on-going over the next month as part of the District’s overall budget review process. Adjustments to the draft budget may be made as suggested or as the need for modification is determined.

Allocated + Unallocated Expenses				
Description	2017/ 2018 Budget	2017/ 2018 Expenditures	2018/2019 Adopted	2019/2020 Proposed
BOOKS & REF MATERIALS	200	-	200	200
GENERAL SUPPLY	1,000	4,019	500	1,000
COMPUTERS/DATA PROCESSING	700	780	1,000	500
MEMBERSHIPS & DUES	6,000	5,502	6,000	6,550
LANDSCAPE DEMONSTRATION	1,500	1,332	1,500	1,500
CONSERVATION EDUCATION MARINA	28,050	11,776	28,050	28,050
CONSERVATION EDUCATION ORD	18,700	8,680	14,700	18,700
CONSULTING SERVICES MARINA	1,760	-	750	1,540
CONSULTING SERVICES ORD	3,740	-	1,750	3,960
PRINTING MARINA	5,700	2,793	5,700	6,400
PRINTING ORD	4,300	2,048	4,300	3,600
ADVERTISEMENT MARINA	3,500	75	2,500	2,500
ADVERTISEMENT ORD	1,100	-	2,500	2,500
HOT WATER RECIR REBATE MARINA	4,000	1,747	2,700	2,700
HOT WATER RECIR REBATE ORD	1,000	-	300	300
LANDSCAPE REBATE MARINA	30,000	7,005	20,000	15,000
LANDSCAPE REBATE ORD	10,000	459	1,000	10,000
TOILET REBATE MARINA	30,000	17,606	29,250	29,000
TOILET REBATE ORD	50,000	40,620	68,250	97,250
WASHING MACHINE REBATE MARINA	10,500	3,950	3,840	2,660
WASHING MACHINE REBATE ORD	7,500	4,400	3,160	4,340
SHOWER HEADS AND AERATORS MARINA	2,000	1,638	2,500	2,500
SHOWER HEADS AND AERATORS ORD	2,000	1,004	2,500	2,500
	223,250	115,434	202,950	243,250

Environmental Review Compliance: None required.

Financial Impact: _____Yes ___X___No Funding Source/Recap: None

Other Considerations: None.

Material Included for Information/Consideration: None.

Action Required: _____Resolution ___X___Motion _____Review

Commission Action

Motion By_____ Seconded By_____ No Action Taken_____

Ayes_____ Abstained_____

Noes_____ Absent_____

Water Conservation Commission
Agenda Transmittal

Agenda Item: 6-B

Meeting Date: May 2, 2019

Prepared By: Paul Lord

Approved By: Patrick Breen

Agenda Title: Consider Recommending Forwarding the Central Coast Long-term Environmental Assessment Report to the District's Community Outreach Committee for Review and Possible Action

Staff Recommendation: Consider Recommending forwarding the Central Coast Long-term Environmental Assessment Report to the District's Community Outreach Committee for review and possible action.

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: It is requested that the WCC consider recommending forwarding the Central Coast Long-term Environmental Assessment Report to the District's Community Outreach Committee for discussion and possible action.

If the WCC recommends forwarding this item to the Community Outreach Committee, the Community Outreach Committee will then consider adding the item to a future agenda item for consideration.

The report can be found at:

http://www.cclean.org/wp-content/uploads/2014/07/CCLEAN_QAPP_13-6.1.pdf

Environmental Review Compliance: None required.

Financial Impact: _____ Yes X No Funding Source/Recap: None

Other Considerations: None.

Material Included for Information/Consideration: None.

Action Required: _____ Resolution X Motion _____ Review

Commission Action

Motion By _____ Seconded By _____ No Action Taken _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 7-A

Meeting Date: May 2, 2019

Prepared By: Paul Lord

Approved By: Patrick Breen

Subject: Receive a Report on the HE Toilet Rebate Program

Summary: At the last WCC meeting, staff provided some history about the toilet rebates provided by the District, information about how the program is promoted, some details outlining customer eligibility, water savings estimates, and the proposed 2019-20 budget figures to support future rebates for both small and large HE toilet retrofitting projects.

Requested to be brought back to the commission at this meeting, and included in this report as Attachment A, is the original Program Description approved in October of 2006 when the last modifications to the toilet program were made. The Program Description outlines the rebate amounts provided, who qualifies, what fixtures qualify for rebates, and how the rebates are processed.

Since 2006, more efficient toilets have been developed. Now, Ultra-high-efficiency toilets (UHET's), having a flush volume average of 1.0 gallon per flush(gpf) or less, are available at local stores. Models and styles are limited when compared to the broad range of HET's sold. Choosing to install an UHET can save a customer as much as 2, 717 gallons more each year over a HET toilet when replacing a 1.6 gallon Ultra-low-flush toilet (ULFT).

As with toilets, urinals too have become more water efficient. Ultra-high-efficiency urinals (UHEU's) having a flush volume of 0.125 gpf(pint) are now available to help reduce water use when replacing older 1.0 gpf and 0.5 gpf high-efficiency urinals. These Ultra-high-efficiency urinals have been developed in response to customer frustration with the performance and maintenance issues experienced with no-water-use urinals. California now requires wall mounted urinals have a flush volume less than or equal to 0.125 gpf. No-water-use urinals are still available and very popular, yet not appropriate at some sites.

To advise the Board of Directors in the refinement of HE toilet rebate program details and procedures, it is requested that the Commissioners consider potential program modifications and develop recommendations for the Board to consider. Following are some options to consider:

- Make no modifications to the rebate program
- Increase the maximum incentive for UHETS over HET's, from \$125 to \$150
- Reduce the maximum rebate for HET's below UHET's, from \$125 to \$75
- Eliminate the incentive for HET's and only incentivize UHET's at \$125
- Requiring all toilets be WaterSense certified and/or Maximum Performance (MaP) tested
- Provided rebates only when all toilets at a site are retrofitted (reduces freeridership)

Once recommendations for program refinements and procedures are developed, staff will return to the Commission with a final draft of a new program description and a transmittal for Board review and consideration.

Toilets and Water-free Urinal Rebate Program Description

Resolution No. 2006-86, passed and adopted on October 11, 2006.

The Marina Coast Water District has evolved from its original rebate program, established in 1994, to encourage water conservation by providing incentives for the replacement of 3.5 and 5.0 gallon flush toilets with 1.6 gallon ultra-low flow toilets (ULFT's). ULFT toilets are those rated to flow 1.6 gallons-per-flush (gpf) or less.

The continued efforts by the District to conserve water and take advantage of new water conserving fixtures has resulted in the following proposed changes to the rebate program:

- Eliminating the rebate for 1.6 gpf ultra low-flow toilets (ULFT) effective July 1, 2007.
- Increasing the rebate for 1.28 gpf high-efficiency toilet (HET) retrofitting, up to \$125.
- The District will pay the actual cost of the fixture, not to exceed the actual cost of the toilet, up to \$125. Installation costs are not included as part of the rebate.
- Increasing the incentive for water-free urinal retrofitting to \$125. The District will pay the actual cost of the fixture not to exceed the actual cost of the urinal up to \$125. Installation costs are not included as part of the rebate.
- Requests in any one fiscal year by one customer for over 20 toilets will require prior notification and approval by the General Manager.

These changes are consistent with the District's Ordinance #40, approved by the Board in 2005 which states that all toilets installed in new development must be HETs and all urinals must be water-free. It is also consistent with the Board's 2006 Strategic Plan Objective No. 1C "Reduce overall water usage each Fiscal Year by 0.5% from current amount of 4,600 AFY or about 13% (two-year goal).

To Receive a Rebate:

- Customers must complete a District HET Rebate Form available from our offices or from our web site.
- The HET Rebate Form is then submitted with an original store receipt by mail or in person to the District.
 - o If the customer desires to keep the original receipt, they must request it be returned. They shall submit the original receipt to the District staff where the customer's address and staff person's signature will be noted on the original receipt in pen and a photocopy produced for District files. The original receipt may then be returned to the customer.

- The District will accept original receipts up to one-year old. Receipts older than one-year are not eligible for a rebate
- This rebate is only for our customers in the District's service areas.
- The rebate history and any previously submitted Conservation Certification Form for the property is researched to verify that rebates are provided only for eligible retrofits.
- The flow volume of the toilet is verified.
- If the rebate request is approved, the rebate form and original receipt are photocopied, and the copy is placed in the conservation department toilet rebate folder. The original rebate form and purchase receipt is then forwarded to the Accounting Department. If the rebate request is denied, it is returned to the applicant with a District letter stating the reason for denial.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 7-B

Meeting Date: May 2, 2019

Prepared By: Paul Lord

Approved By: Patrick Breen

Subject: Receive a Report on the Hot Water Recirculation Pump Rebate Program

Summary: As one of several incentives provided by the District to reduce water use, hot water recirculation pump rebates were approved in November of 2009 and the program started in April of 2010. The program provides an incentive to customers to retrofit existing homes with hot water recirculation systems that reduce the amount of cold water wasted while one waits for hot water to arrive at the point of use.

When customers turn the hot water on, then let it run down the drain until it becomes hot enough to use, they are wasting water. The amount of water wasted varies by several factors including the distance between the hot water heater and the location of the faucet where demand is required. Recently, a southern California retrofitting pilot program analysis of water savings calculated the average reduction in water use at 7% and 4,500 gallons per customer.

The rebate provided by the District equals the cost of project materials, up to \$250 per installation. While this rebate sometimes does not reimburse the customer for the entire cost of the project, it does provide an incentive for those who would consider completing such a retrofit.

Promotional information about the hot water recirculation pump rebate is sent out to customers on a regular basis via the Conservation Departments public information program which includes e-flyers, bill inserts, and bill messages. Staff promotes the program at public events and to new customers while conducting water conservation inspections of homes that are resold and via handouts provided to customers that request new water service.

To provide an outline of the application process, staff has attached copies of the original Hot Water Recirculation Pump Program Description and the Hot Water Pump Rebate Application Form.

Also attached is the Pre & Post Installation Questionnaire. This questionnaire is unique to the Hot Water Recirculation Pump Rebate Program and was requested by the MCWD Board of Directors at the time of program approval in 2009.

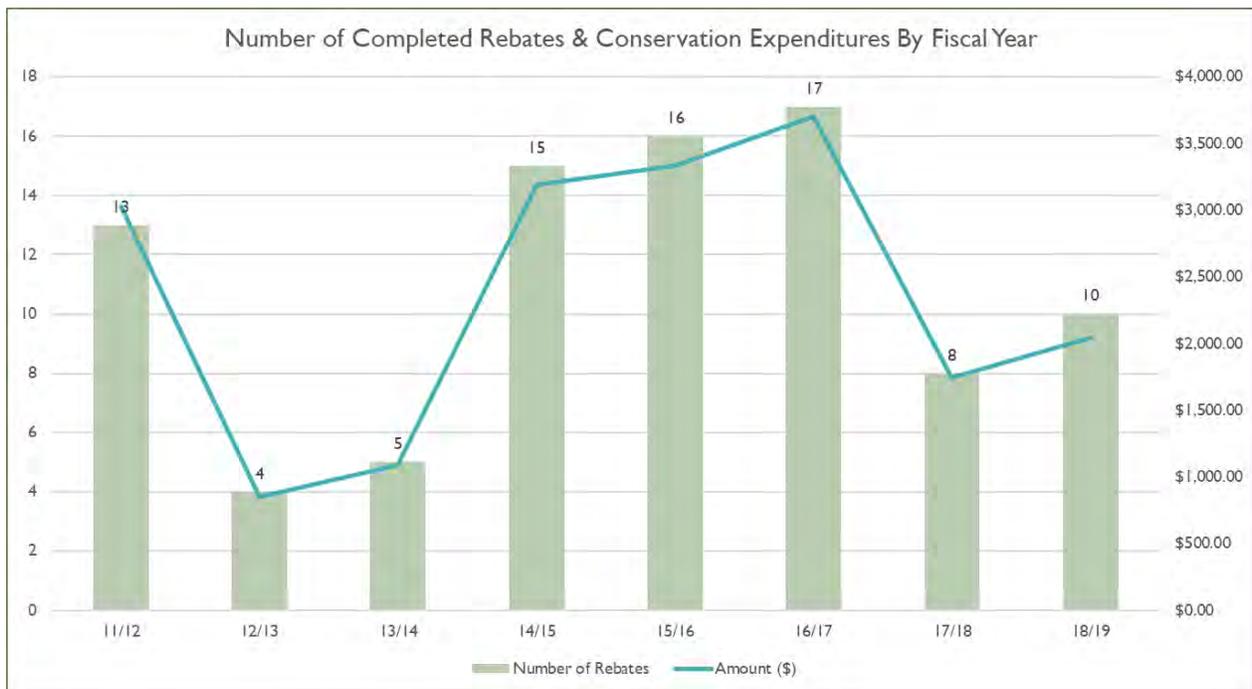
Following are Hot Water Recirculation Pump Program statistics:

- 115 total projects approved since 2010
 - 88 completed
 - 5 currently in progress
 - 22 projects cancelled

- Of the 88 projects completed

- 76 were for Single-family dwellings
 - 12 were for individual apartments within one multi-family building
 - There were no commercial or industrial projects
 - All the completed projects are in the marina service area
- Total incentives made available to all completed projects = \$22,000.00
 - Most projects do not receive the full \$250 rebate. The average is \$216.00 each
 - Total incentives paid out to completed projects = \$18,993.00
 - All 5 of the projects currently in progress are at single-family dwellings
 - Money currently committed to pending projects = \$2,000.00
 - Program budget for last fiscal year (2017-18) = \$4,500.00
 - Total incentives paid out in 2017-18 for eight projects = \$1,746.65
 - Program Budget for this fiscal year (2018-19) = \$3000.00
 - Total incentives paid out to date in 2018-19 for ten projects = \$2,046.00

The following chart shows the level of program participation and expenditures over seven years.





Application Form
Hot Water Recirculation Pump Rebate

Marina Coast Water District, 11 Reservation Road, Marina CA 93933 (831) 384-6131

To review current incentive amounts available, please refer to the Program Description.

Application Steps

1. The Applicant schedules an appointment with District staff.
2. The Project Review, Water Use Survey, and Pre-installation questionnaire are completed.
3. The Applicant completes the Application Form and receives initial project approval before starting work.
4. The project is completed within 60 days of initial approval.
5. The Applicant schedules and completes a follow-up inspection with staff before 14 days after project completion has passed.
6. Final project completion is verified, and the original material purchase receipt(s) are submitted.
7. The rebate is mailed to the Applicant.
8. The post-inspection questionnaire is completed after 90 days.

Customer and Site Information

First Name _____ Last Name _____

Customer Mailing Address _____ City _____ Zip _____

Home Phone _____ Work Phone _____ Mobile Phone _____

E-mail Address _____ MCWD Account Number at Site _____

Property Type Single Family Multi-Family Commercial Industrial Institutional

Site Address _____ City _____

Specific Project Location _____

Project Description General description of plumbing retrofit work to be completed

Disclaimer, Release and Hold Harmless Agreement

I have read the following page(s) and understand and agree to the Project Description, Procedures, Terms of Agreement, Program Eligibility Requirements, Project Criteria and Tax Information Requirements of the MCWD rebate program. I release MCWD, its officers, directors, employees, agents and representatives (collectively "MCWD") from any and all Claims. Claims are defined as claims for loss, damage, expense and liability of any nature whatsoever arising out of or in any way connected with the modification of my property and the installation of program-related water conservation devices. I also agree to hold harmless, indemnify and defend MCWD, from any and all Claims made by any third party.

Applicant's Name (print) _____

Applicant's Signature _____ Date _____

Tax status of person being issued an incentive. (Check one)

Corporation Individual, Association, Partnership, or Non-corporation Tax Exempt

TIN# or SSN# _____

For District Use Only

Initial Project Approval Name _____ Date _____

Final Project Approval Name _____ Date _____

Program Procedures

Please, do not start any retrofitting or product installation until after receiving written project approval from the District.

- Before starting any project, purchasing equipment, applying to, and participating in the program, customers must call (831) 384-6131 to schedule a meeting on site with District staff.
- At the initial meeting, the Applicant shall describe the proposed hot water recirculation conversion to staff. Staff will verify the existing hot water system size and condition, components, and current water use. For large and/or complex projects, staff may request a plumbing plan. The homeowner, responsible party, or a designee who has access to the hot water distribution system must be present for the meeting.
- During the same meeting, a required Water Use Survey, conducted by District staff, must be completed. The Water Use Survey takes about one hour of time on site. Staff will check for leaks, record the type and number of water fixtures at the property, and evaluate landscape water use. Recommendations to participate in the District's high-efficiency clothes washer and toilet rebate programs and to improve water use efficiency will be made if appropriate.
- District staff will also request the Applicant complete a pre-installation questionnaire, outlining the scope of work to be performed and the anticipated improvements to be made in performance and water efficiency.
- Only after the project is initially reviewed, the Water Use Survey completed, and the pre-installation questionnaire is completed, is the Hot Water Recirculation Pump Rebate Application Form filled out and initial project approval given by District staff.
- Once approved, the project may proceed as planned, to completion. District staff must be notified and approve of any design changes made while the project is proceeding. All projects must be completed within 60 days; otherwise the program application will be rejected.
- Once the project is completed, the applicant must schedule a follow-up site inspection with the District. District staff will verify installation and compliance with the Design Criteria, check the hot water distribution system operation, and will assist in scheduling if required.
- Also at this follow-up inspection, the applicant will be asked to provide staff with the original itemized receipts for the recirculation pump and any associated materials.
- If the project is completed as planned in the sixty day time period, the District staff will then sign the application form verifying project completion and forward the application form to the Accounting Department office for rebate payment.
- After 90 days, the District staff will request the Applicant complete a post-installation questionnaire. This questionnaire assists the District in program evaluation.
- To assure compliance, quality, and performance, it is recommended that only a licensed, insured plumbing contractor install components or modify your existing plumbing. Check with your local building official and inquire about city and county building codes and ordinances before installing or modifying your plumbing system.

Terms of Agreement, and Program Eligibility Requirements

- Approved applicants are eligible for up to \$250 in District rebates.
- The rebate shall be equal to the taxable/net cost of a hot water recirculation pump and associated plumbing materials when retrofitting a non-recirculation hot water system to a recirculation system. Sales tax, delivery charges and labor costs are not included in the calculation of the rebate amount.
- Program is limited to available funding. Approved applications will be processed on a first-come, first-served basis.
- All projects must be completed within 60 days of initial project approval.
- Incentives are only provided for retrofitting buildings or homes older than two years. New construction projects are not eligible for incentives.
- Only MCWD customers of current record are eligible to participate in, and receive payment from, the rebate program. The customer's account must be in good standing and non-delinquent at the time of initial project approval.
- The Applicant certifies that all necessary permissions have been obtained from the property owner, if the Applicant is not the owner themselves.
- The approved project site must be located within the Marina Coast Water District service area.
- Projects are approved at the discretion of the MCWD staff. Projects that do not meet the program eligibility requirements will be denied.
- MCWD reserves the right to alter this program at any time.
- MCWD does not endorse specific brands, products or dealers; nor does it guarantee materials, workmanship, or results.
- MCWD assumes no responsibility or liability for damages to an Applicant's property as a result of participation in this program.
- The District cannot guarantee that the installation of devices and the retrofitting of plumbing will result in lower utility costs.
- Only original, itemized receipts for pumps and associated materials dated after initial project approval are accepted.
- The water use at the site must be metered by the District.
- To assure efficient operation of any hot water system or components, staff may require adjustments, repairs, and modifications to the existing or newly modified system be made prior to project completion or final project approval by the District.
- If a testable backflow prevention device is present at the meter, there must be evidence that the backflow prevention device has recently been inspected, and results filed with the District.

Tax Information Requirements

All rebates require a tax identification number or social security number be provided. Unless you are exempt, cumulative incentive payments equal to or greater than \$600 in a calendar year are taxable and therefore will be reported to the IRS on form 1099-Misc. You are urged to consult your tax advisor concerning the taxability of incentive payments. Marina Coast Water District is not responsible for any taxes that may be imposed on you as a result of any incentive payment.

Hot Water Recirculation System Program Description

The District's Hot Water Recirculation System Program is designed to encourage customers to save water by not wasting water from the hot water system while waiting for the water at the point of use to reach an acceptable temperature.

The District will provide up to \$250 for the retrofit of a hot water recirculation system pump. The rebate will be equal to the purchase price of the pump and materials, not to exceed \$250.

The following steps must be completed by the property owner to become eligible for a rebate.

1. The customer must complete a preconstruction site survey with the District before construction.
2. The customer will submit an original receipt to verify the purchase price of the pump with a completed District Rebate Form, once the recirculation system is installed and is operational.
3. The recirculation system must have an operational timer and a thermostat regulating the recirculation pump hours and water temperature; or a demand control system.
4. The customer must request the rebate within one year of purchase of the pump. Receipts older than one year are not eligible.

The customer is subject to inspection to verify the installation of the pump, timer, and thermostat.

The rebate offer is dependent on availability of funds.

October 21, 2009



Marina Coast Water District

11 Reservation Road, Marina, Ca 93933
 831-384-6131
 Water Conservation Department
 831-883-5905
 Fax 831-384-0197

**Pre & Post Installation Questionnaire
 Hot Water Recirculation Pump Rebate Program**

This questionnaire helps our staff evaluate the benefits of our program to our customers. Your help in completing this questionnaire; before and after completing your project is greatly appreciated. Thank you.

Applicant's Address: _____

Pre-Installation Questions

<p>1. Please numerically rank the importance of each goal. (1, 2, 3)</p>	<p><input type="checkbox"/> Save energy, reduce energy costs <input type="checkbox"/> Save water, reduce water costs <input type="checkbox"/> Reduce wait time to receive hot water</p>
<p>Comments</p>	
<p>2. Do you expect to use more or less energy?</p>	<p><input type="checkbox"/> More <input type="checkbox"/> Less</p>
<p>Comments</p>	
<p>3. How much water and energy do you plan to save?</p>	<p><input type="checkbox"/> Very little <input type="checkbox"/> Moderate amount <input type="checkbox"/> Significant amount <input type="checkbox"/> Large amount</p>
<p>Comments</p>	
<p>4. How do you heat your hot water?</p>	<p><input type="checkbox"/> Solar <input type="checkbox"/> Electricity <input type="checkbox"/> Natural gas or propane</p>
<p>Comments</p>	
<p>5. Is the primary goal of your project reducing your wait time for hot water?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Comments</p>	
<p>6. If not listed above, what is the reason for your retrofit?</p>	
<p>7. How much do you plan to spend to complete your project?</p>	<p><input type="checkbox"/> < \$500 <input type="checkbox"/> \$500 - \$1,000 <input type="checkbox"/> \$1,000 - \$1,500 <input type="checkbox"/> + \$1,500</p>
<p>8. Is receiving a return on your investment important to you?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>9. How did you learn about our incentive program?</p>	<p><input type="checkbox"/> Newsletter or Bill <input type="checkbox"/> Office Visit <input type="checkbox"/> Other <input type="checkbox"/> Word of Mouth <input type="checkbox"/> Staff member</p>
<p>10. How you previously participated in out rebate or incentive programs? If so, which ones?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> HE Toilet rebate <input type="checkbox"/> Other <input type="checkbox"/> No <input type="checkbox"/> HE Clothes washer rebate</p>

Pre & Post Installation Questionnaire
Hot Water Recirculation Pump Rebate Program

Post-Installation Questions

1. Are you happy with the installation of your new recirculation system?	<input type="checkbox"/> No, not happy	<input type="checkbox"/> Moderately pleased
	<input type="checkbox"/> Somewhat pleased	<input type="checkbox"/> Yes, very happy
Comments		
2. Do you expect to use more or less water now that you have the retrofit?	<input type="checkbox"/> More	
	<input type="checkbox"/> Less	
Comments		
3. How much energy do you think you will save?	<input type="checkbox"/> None, I will use more	<input type="checkbox"/> Moderate amount
	<input type="checkbox"/> Small amount	<input type="checkbox"/> Large amount
Comments		
4. Have you solved your initial problem?	<input type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Comments		
5. Was this retrofit worth your time, effort, and expense?	<input type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Comments		
5. Would you recommend this retrofit to others?	<input type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Comments		
5. Were you pleased with the District procedures, informational materials and staff?	<input type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Comments		

Additional Comments:

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 7-C

Meeting Date: May 2, 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.

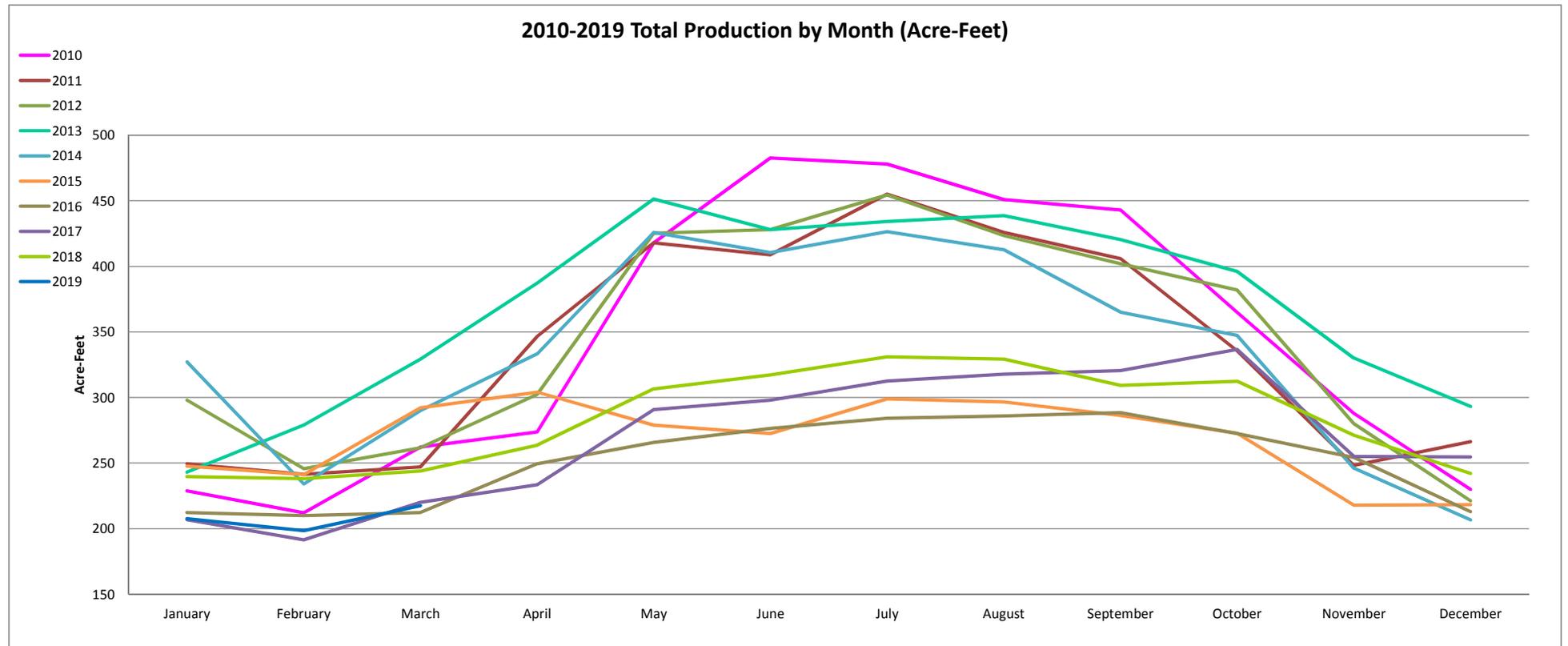
Included in this report are tables and charts that show water production figures through March 2019. Also included are tables and charts showing the gallons-per-capita-day (GPCD) and R-GPCD data that has been compiled. The documents are entitled:

- 2010 – 2019 Total Production by Month
- Monthly Production Savings and Cumulative Savings, January 2017 – Current Month
- 2019 Production vs. Water Production Reduction Goals
- 2014 – 2019 Monthly GPCD (Gross Production)
- 2008 – 2019 Total Billed Consumption (Line Graph)
- 2019 YTD Total Billed Consumption (Pie Chart)
- 2013 – 2019 Residential Gallons-per-Capita Day (Line Graph)
- 2013 – 2019 Total Consumption by Month (Bar Graph)
- 2013 – 2019 Single-Family Consumption by Month
- 2013 – 2019 Multi-Family Consumption by Month
- 2013 – 2019 Residential Consumption by Month
- 2013 – 2019 Commercial/Institutional Consumption by Month
- 2013 – 2019 Landscape Irrigation Consumption by Month
- 2016 – 2019 Temporary Hydrant Meter Water Use and Number of Meters
- 2016-2019 Active Meter Count vs Metered Consumption
- Active Meter Count March 2018 vs. March 2019

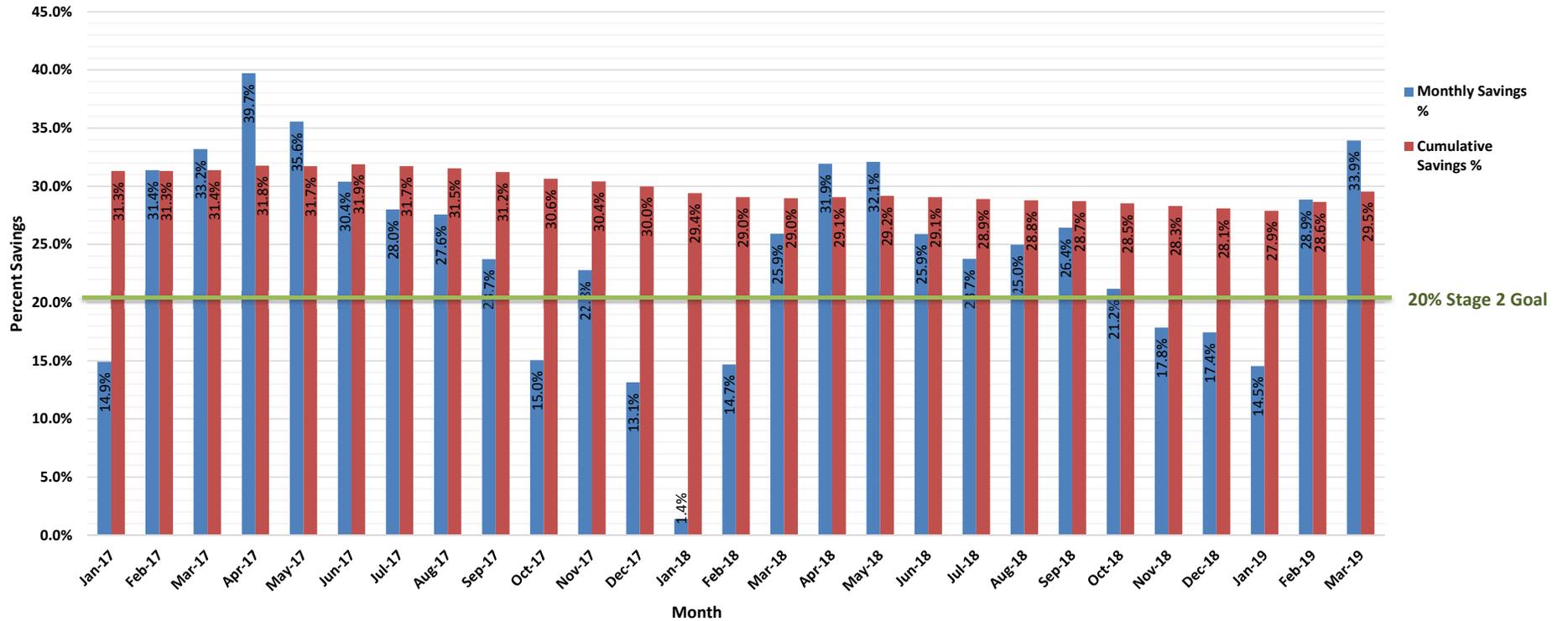
Production by Month (acre-feet)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	250.00	339.10	228.90	249.50	297.99	243.06	327.14	247.66	212.37	206.84	239.68	207.76
February	234.00	218.80	212.10	241.52	245.82	279.08	234.16	241.34	209.91	191.50	238.15	198.56
March	295.00	277.40	262.40	247.05	261.68	329.29	290.01	292.16	212.37	220.04	243.98	217.58
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	623.90

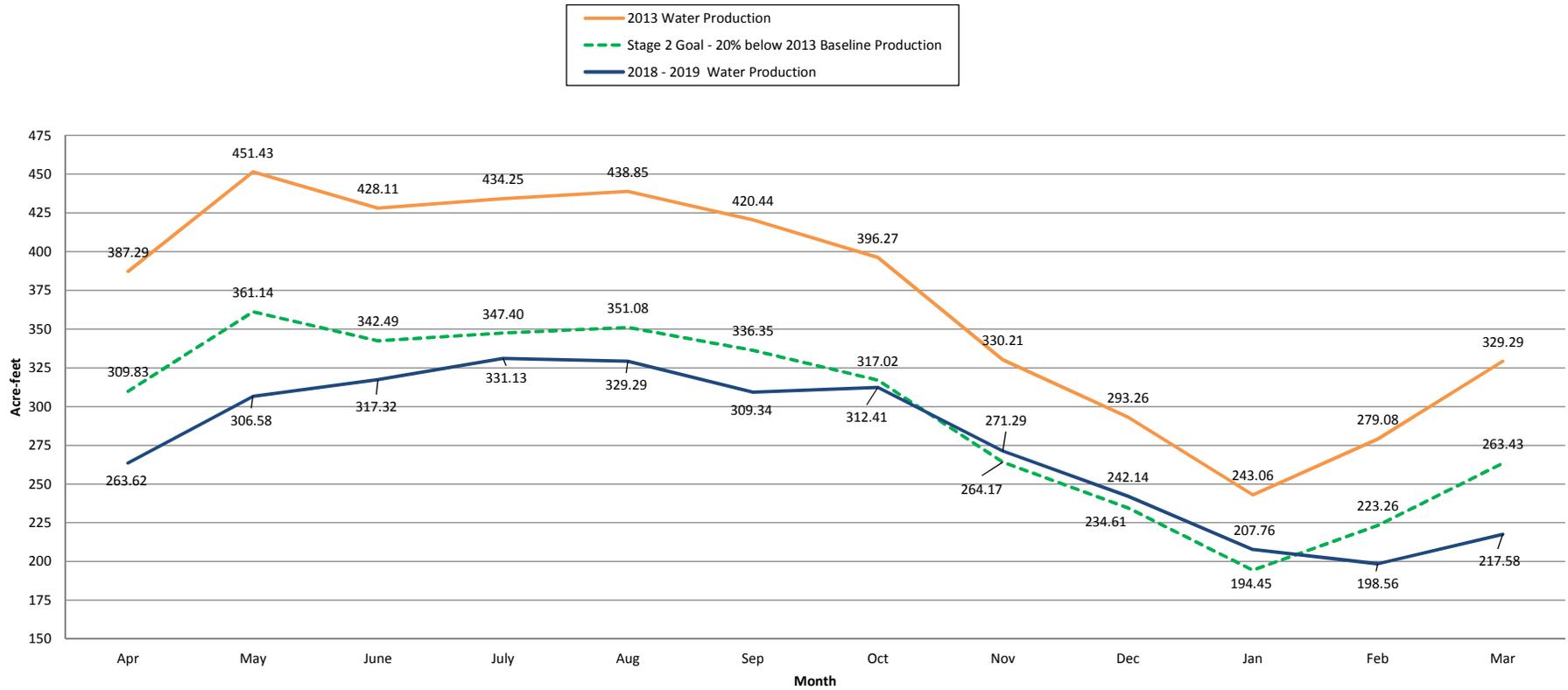
* Production data taken from Marina Coast Water District Well Production Summaries



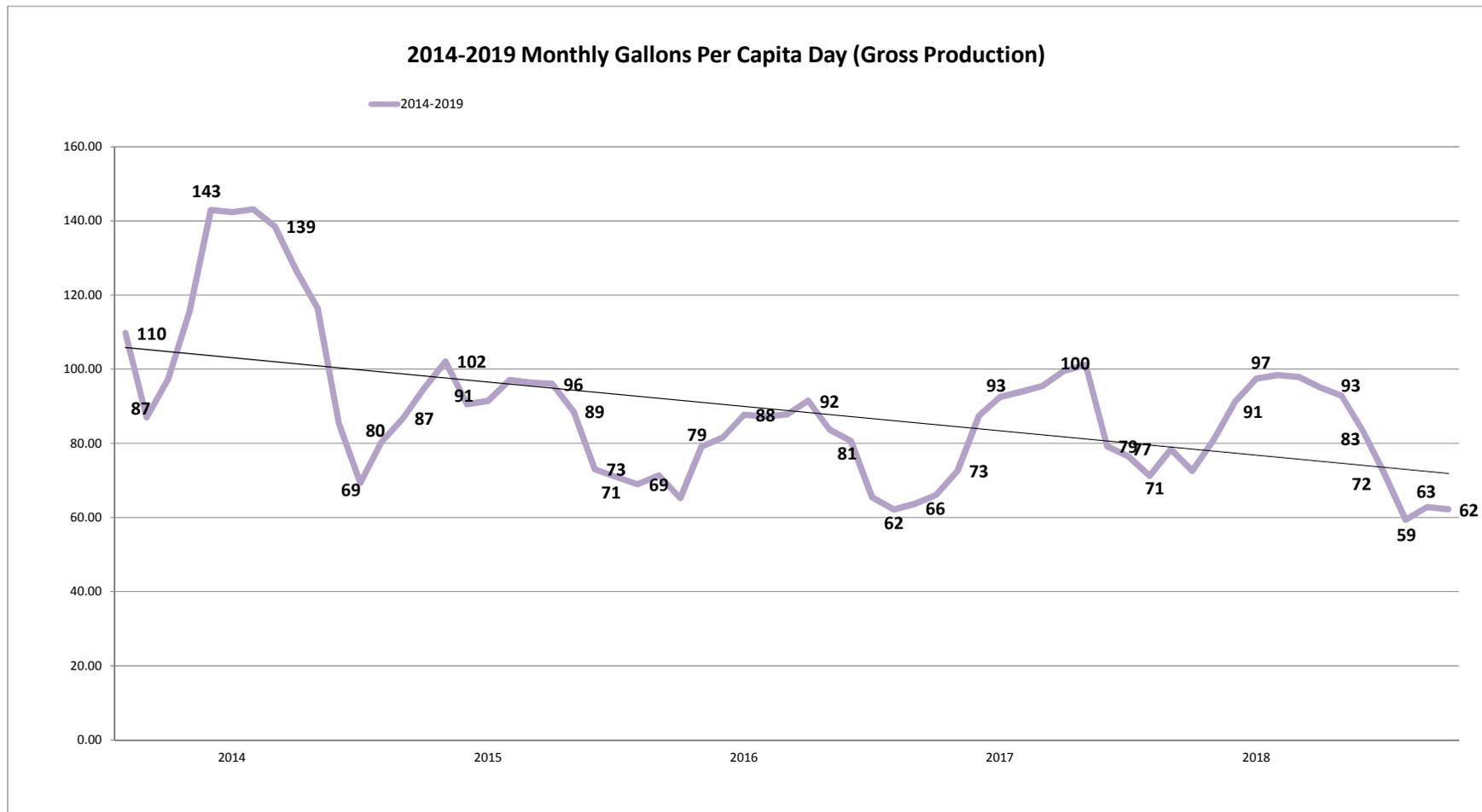
Monthly Production Savings and Cumulative Savings Compared to 2013 Only January 2017 to Current Month Shown



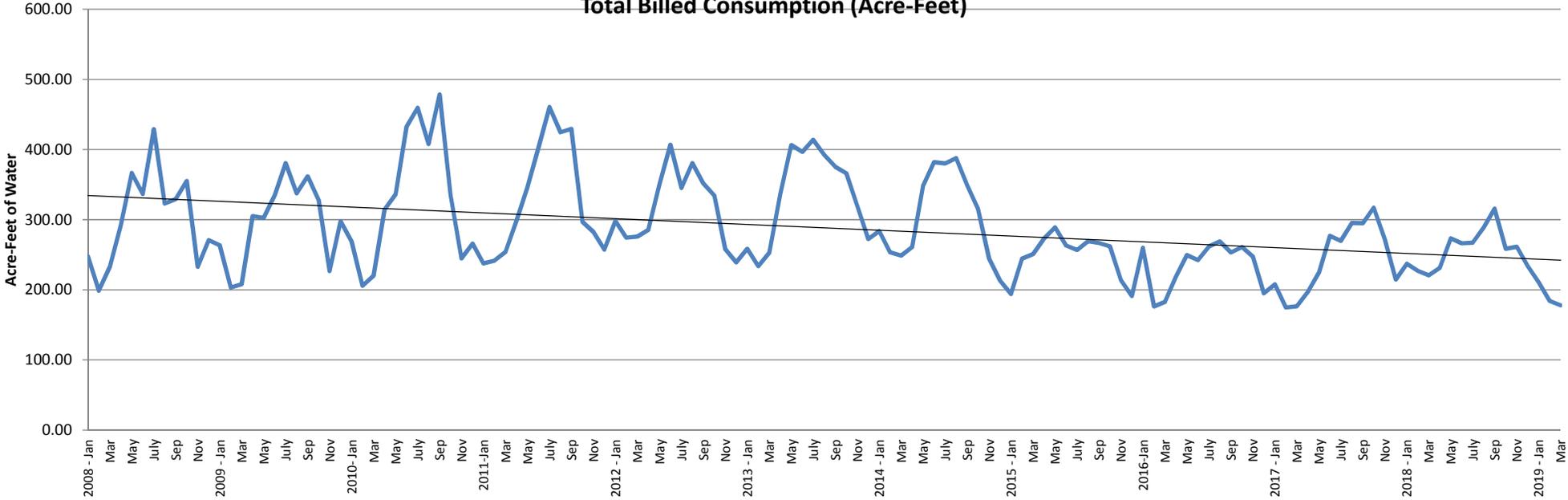
2019 Production VS. Water Production Reduction Goals



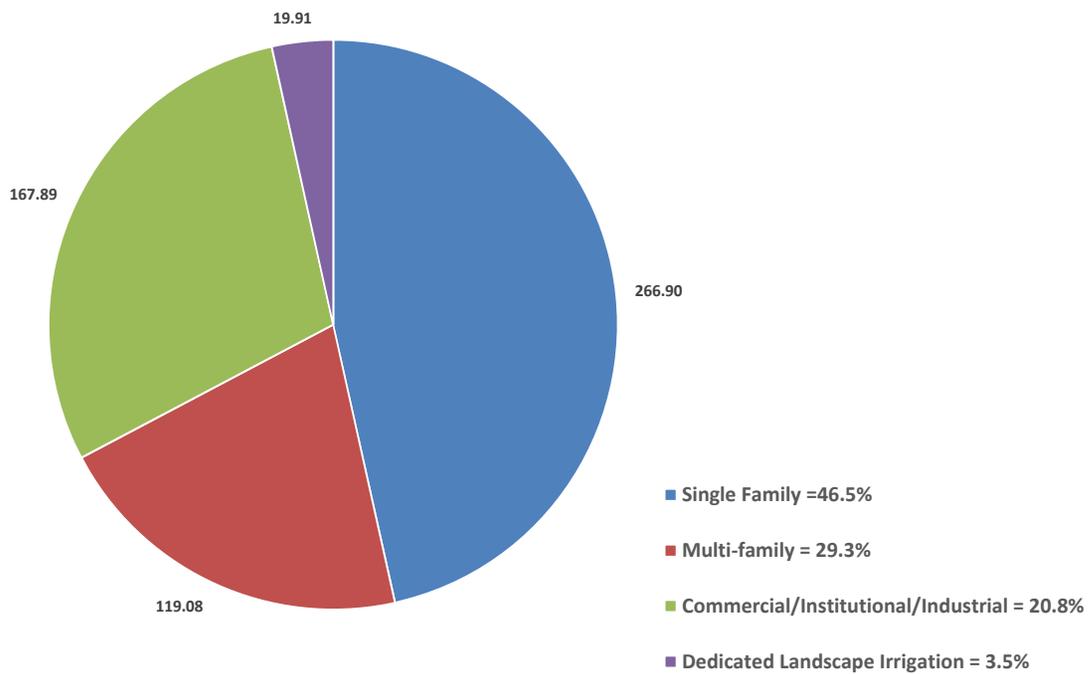
Description	Year	Amount (gpcd)
Baseline GPCD	2008	133
Maximum Allowable Target	2020	126
Interim GPCD Target	2015	125
2020 GPCD Target	2020	117
2014 GPCD	2014	115
2015 GPCD	2015	89
2016 GPCD	2016	79
2017 GPCD	2017	83
2018 GPCD	2018	86
2019 GPCD (ytd)	2019	61
2020 GPCD	2020	



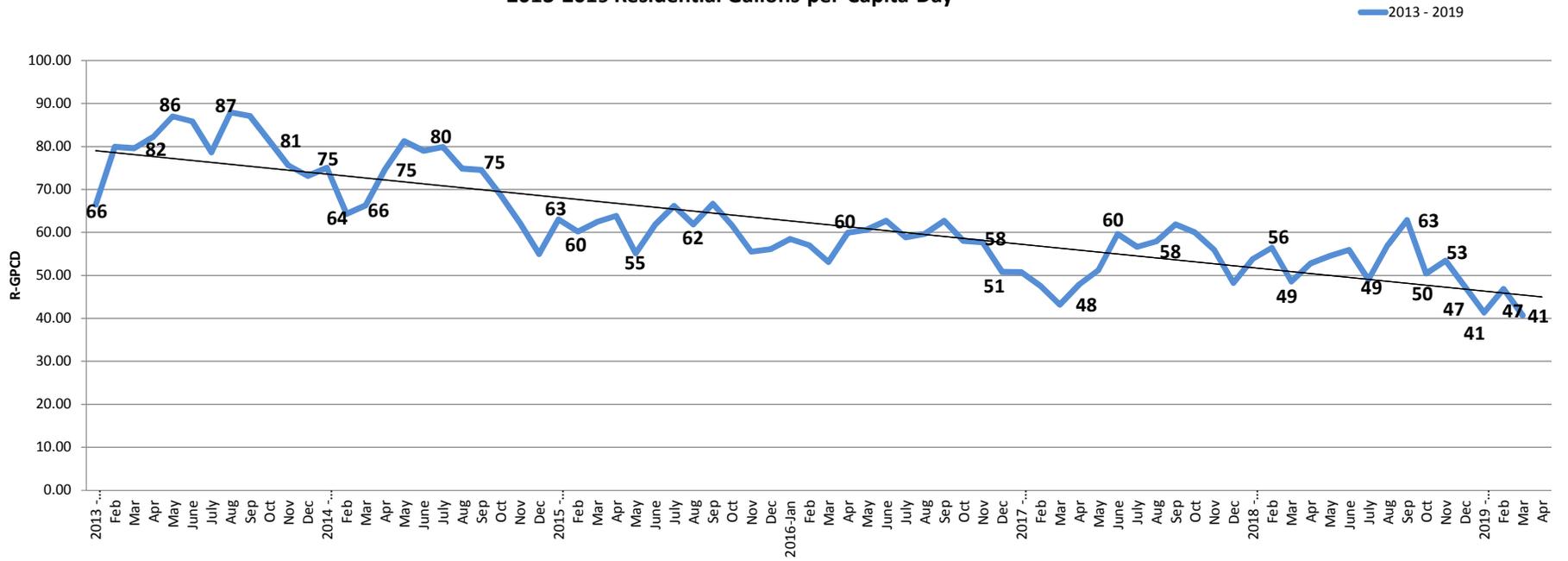
**2008 - 2019
Total Billed Consumption (Acre-Feet)**



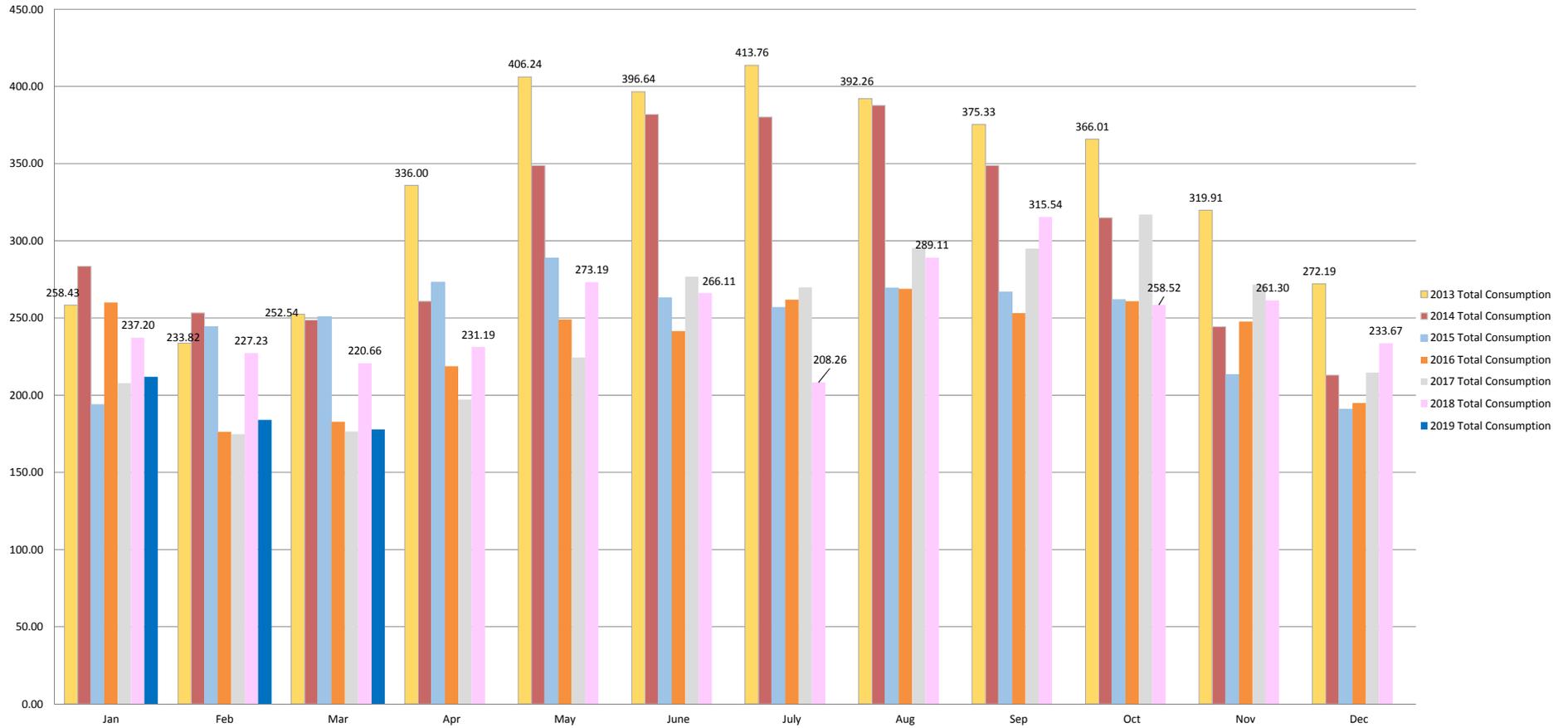
Total Billed Consumption 2019 YTD (573.78 Acre-Feet)



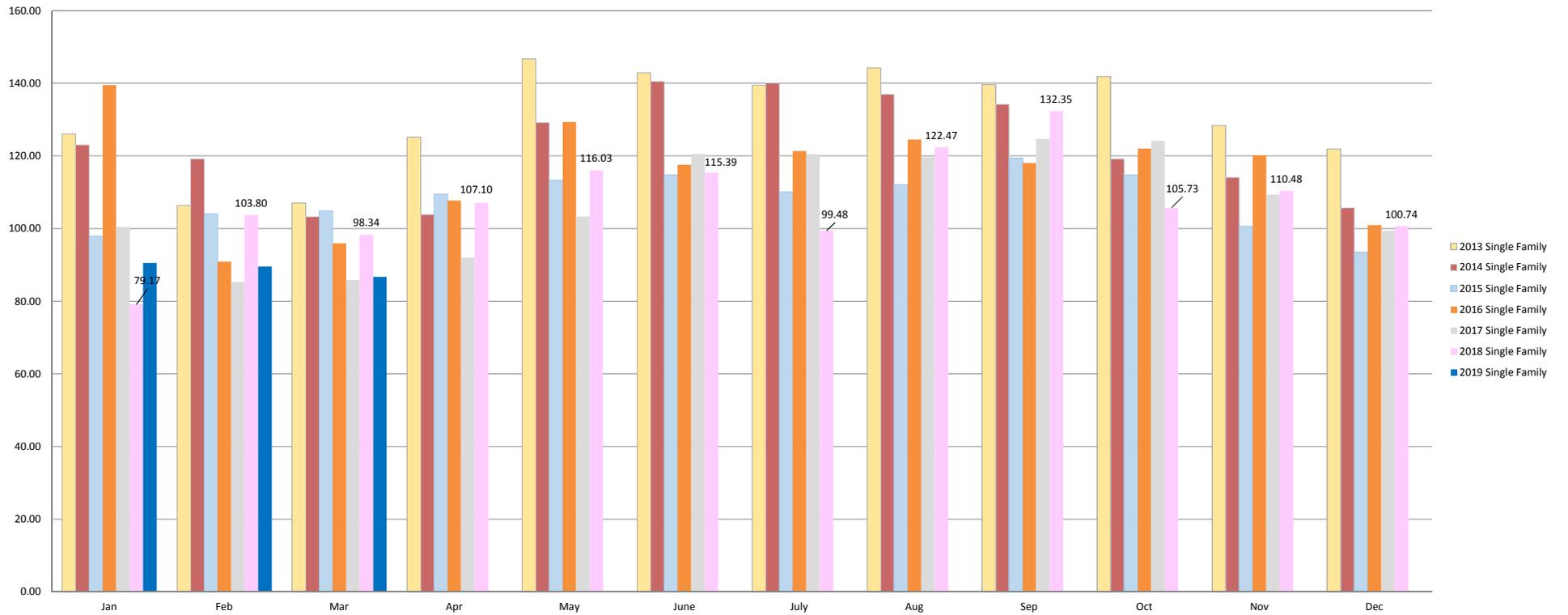
2013-2019 Residential Gallons-per-Capita-Day



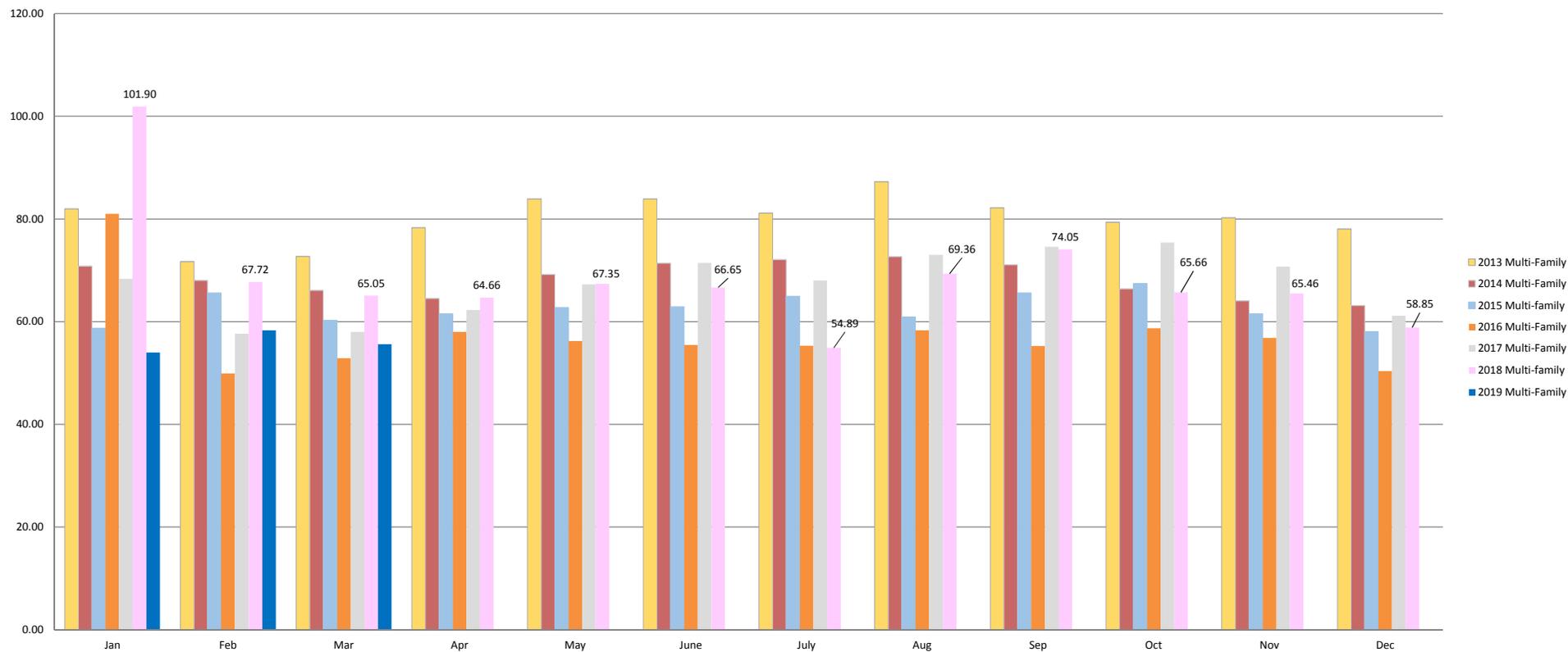
2013-2019 Total Consumption by Month (Acre-Feet)



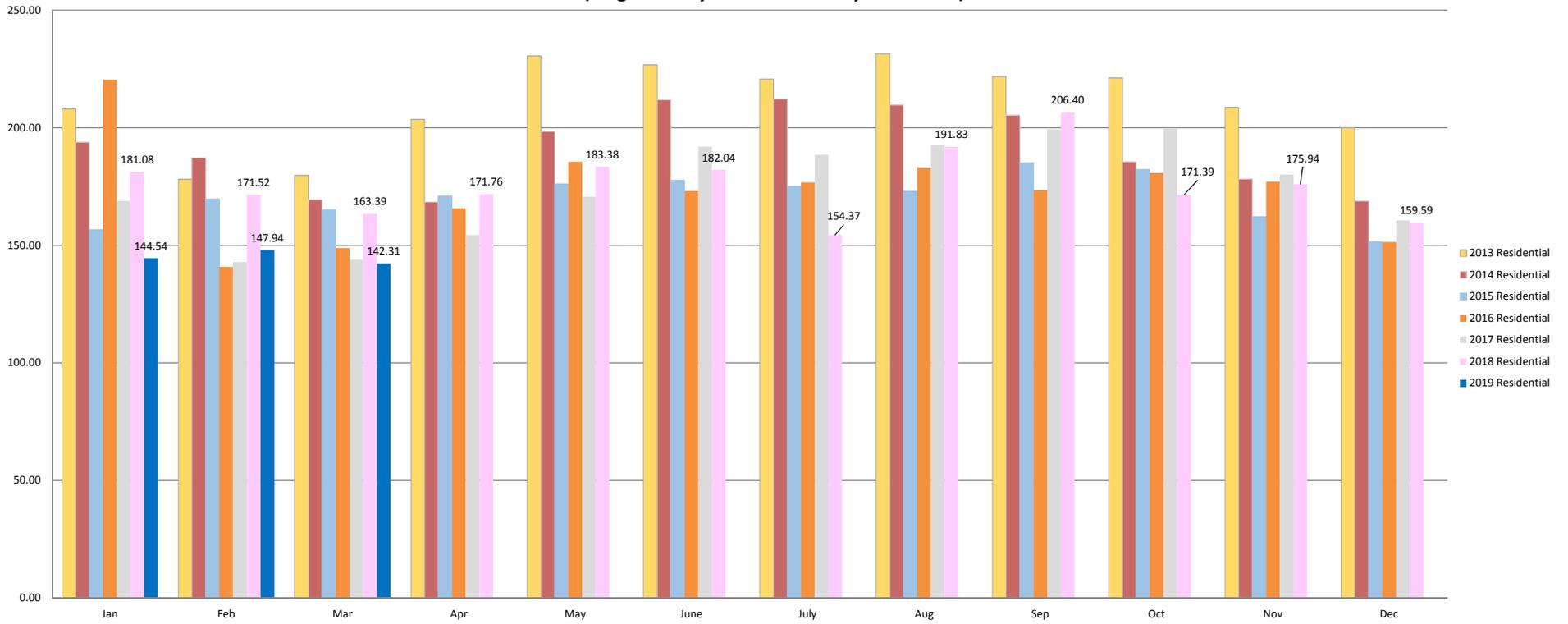
2013-2019 Single Family Consumption by Month (Acre-Feet)



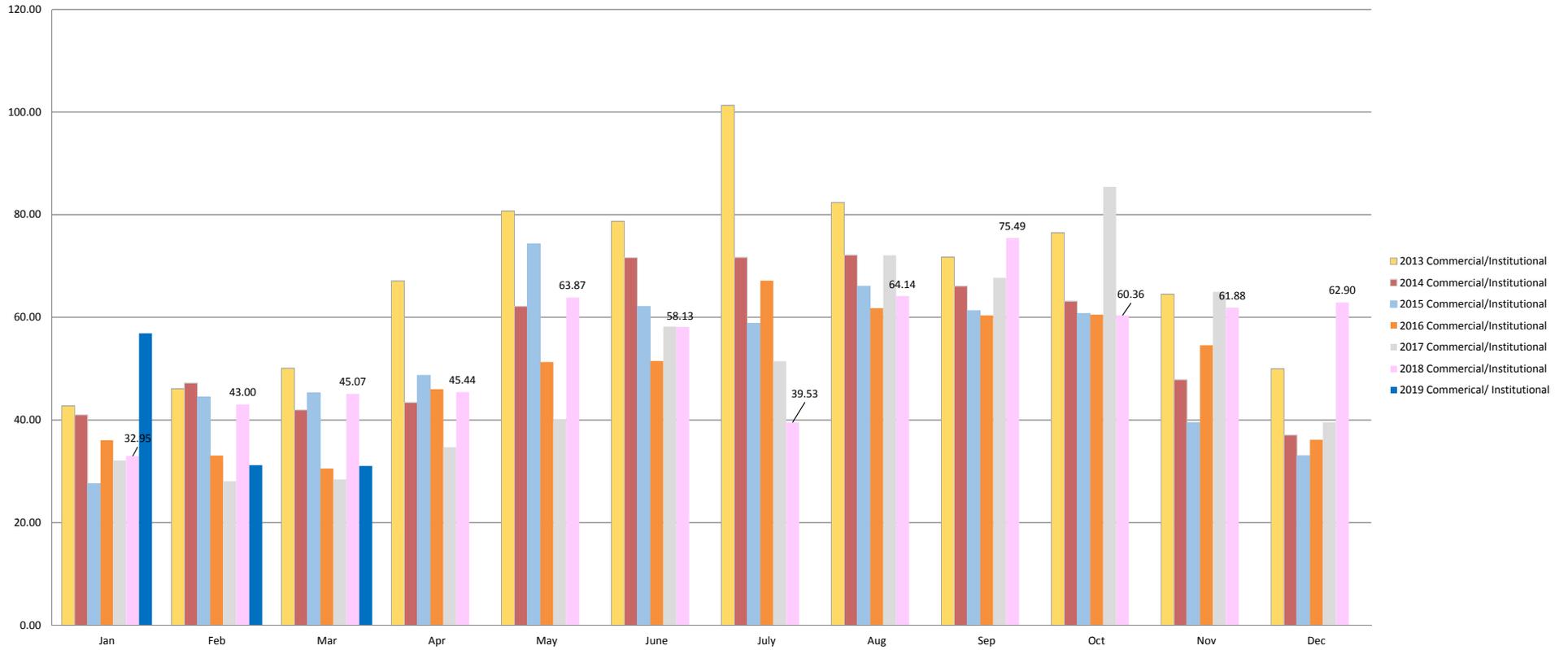
2013-2019 Multi-Family Total Consumption by Month (Acre-Feet)



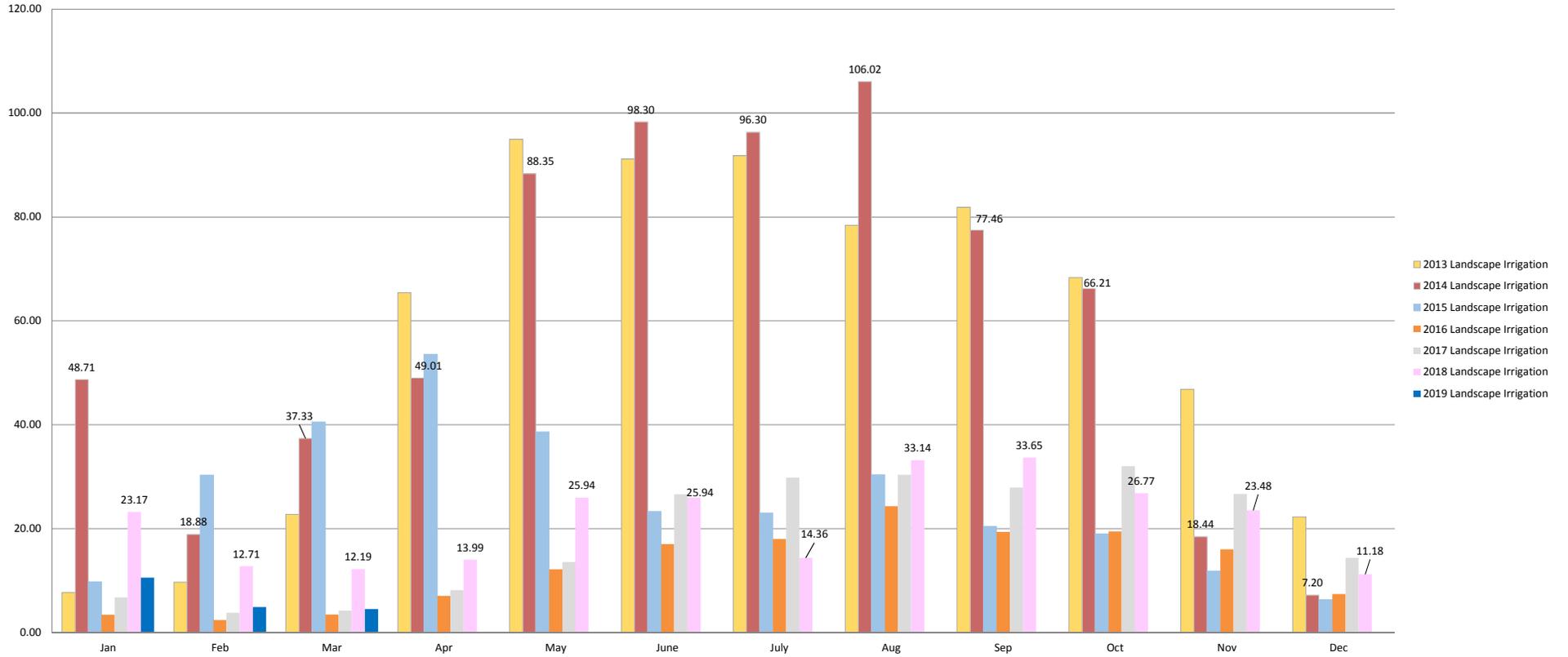
**2013-2019 Residential Total Consumption by Month (Acre-Feet)
(Single-Family and Multi-family Combined)**



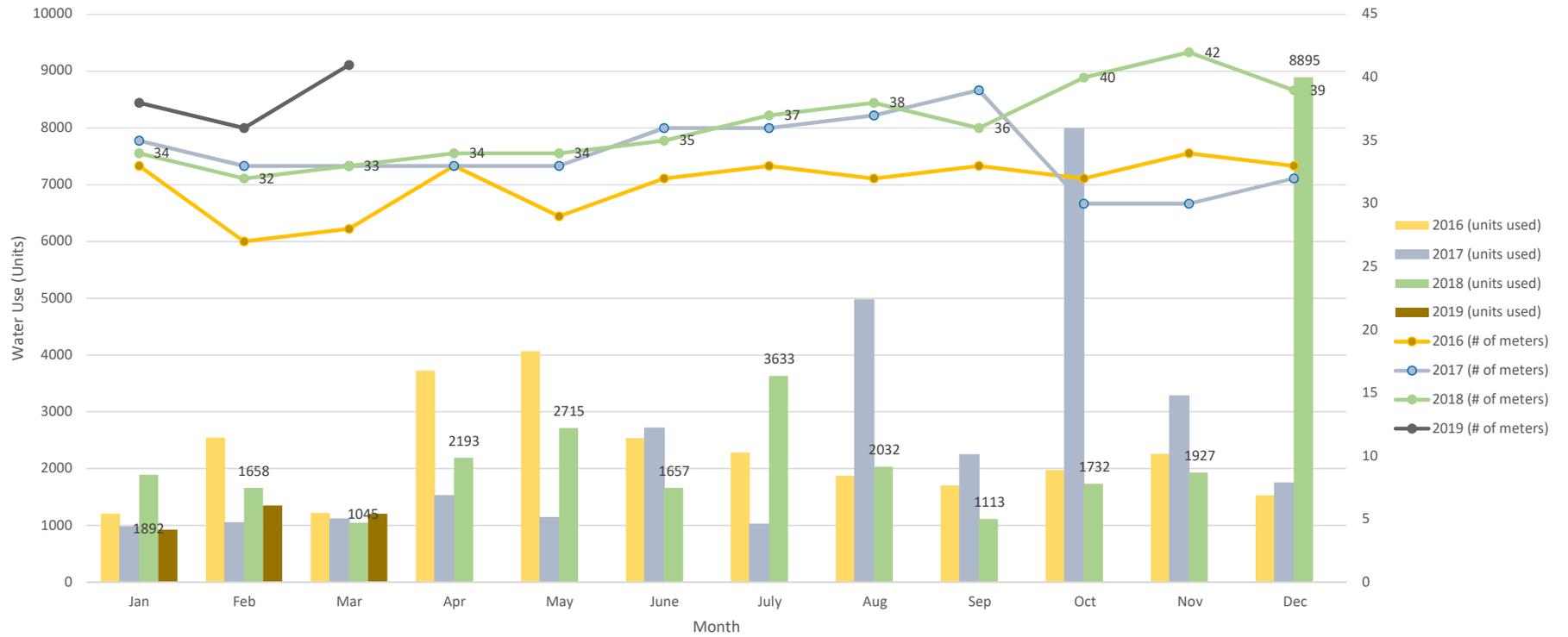
2013-2019 Commercial/Institutional Consumption by Month (Acre-Feet)



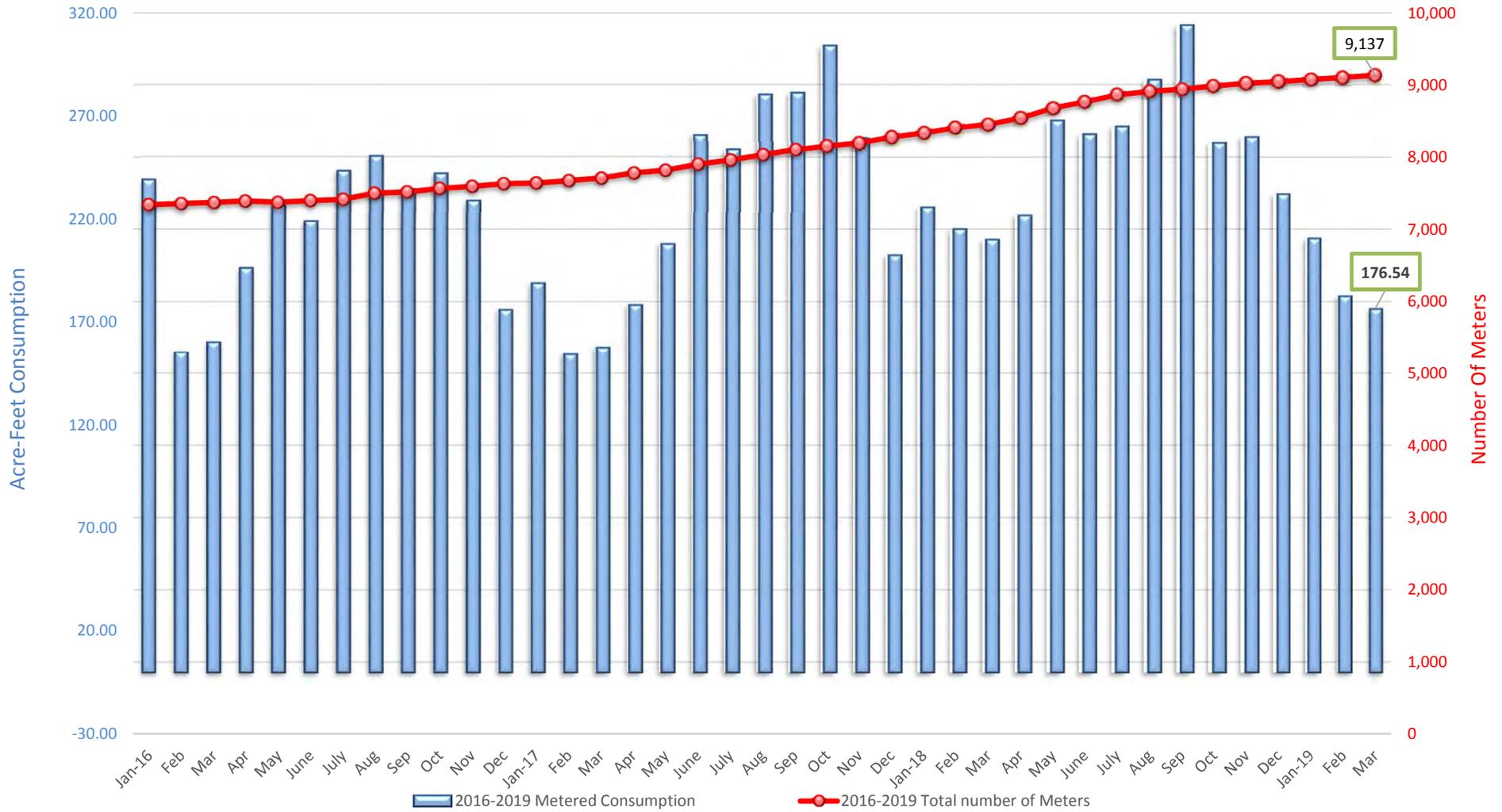
2013-2019 Landscape Irrigation Consumption by Month (Acre-Feet)



2016-2019 Total Temporary Hydrant Meter Water Use and # of Meters



2016 - 2019 ytd Active Meter Count vs. Metered Consumption in Acre-Feet



Active Meter Count 2018 vs. 2019

