



MARINA COAST WATER DISTRICT

11 RESERVATION ROAD, MARINA, CA 93933-2099

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HOWARD GUSTAFSON
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PETER LE

Water Conservation Commission

Marina Coast Water District

11 Reservation Road, Marina, California

Date: November 6, 2014
Time: 5:30 PM
Location: 11 Reservation Road, Marina

Commission Members

Chair - vacant	JoAnn Cannon (Public Member)
Vice Chair - Jim Felton (Public Member)	Grace Silva-Santella (Public Member)
Jan Shriner (MCWD Board Representative)	Charlie Eskridge (Public Member)
Dave Brown (Marina City Council)	vacant (Public Member)

Agenda

This meeting has been noticed according to the Brown Act rules. The Commission will receive information on, discuss and consider making recommendations to the MCWD Board on the items contained in this agenda.

1. Call to Order/Introduction
2. Public Comments on any item not on the Agenda *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.*
3. Elect the Commission Chair for the Next 12-month Period
4. Approve the October 2, 2014 Meeting Minutes
5. Receive Updates on the Status of MCWD's Engagement with CSUMB Regarding the Service Learning Programs (verbal report)
6. Discuss the Water Conservation Article Prepared by the WCC But Revised by MCWD Board President and Resolve Questions Regarding Its Distribution
7. Receive the Current Consumption and GPCD Data
8. Discussion of Implementing the State Water Resources Control Board's Resolution No. 2014-0038 Adopting an Emergency Regulation for Statewide Urban Water Conservation

9. Review Proposed and Suggested Agenda Items for the December 4, 2014 WCC Meeting
10. Receive Update on Board/District Activities
11. Receive Comments from Commission Members
12. Adjournment - *Set or Announce Next Meeting(s), date(s), time(s), and location(s):*
Next Meeting: Thursday, December 4, 2014 @ 5:30 p.m., 11 Reservation Road, Marina

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 3

Meeting Date: November 6, 2014

Submitted By: Brian True

Presented By: Brian True

Agenda Title: Election of Chairperson for the Next 12-month Period

Detailed Description: The Procedures for the Water Conservation Commission state that a Chairperson and Vice Chairperson will be elected annually. At the October 2, 2014 meeting the WCC elected Commissioner Jim Felton to serve as the Vice-chair of the Commission. The Chair person elected during this WCC meeting will serve until September 2015.

Board Goals/Objectives: *2014 Five-year Strategic Plan, Strategic Element 1.0 Water Sources, Strategic Goal 1.7 Review and update our water conservation program – We recognize that drinking water is one of the most precious resources on earth. We will assign this to the Water Conservation committee to review and update our water conservation program to ensure we are appropriately managing our water sources.*

Prior Committee or Board Action: None

Financial Impact: ___ Yes ___ **X** ___ No

Funding Source/Recap: None

Material Included for Information/Consideration: Current Membership Table

Recommendation: Water Conservation Commissioners elect a Chairperson for the 2014/2015 period.

Action Required: ___ Resolution ___ **X** ___ Motion ___ Review

Commission Action

___ Resolution No ___ Motion By ___ Seconded By ___

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

2014-2015

Water Conservation Commission Appointments Starting September 4, 2014						
Position	Commissioner	Board Appointment	Start of WCC Term	WCC Considers Appointment	Board Considers Appointment	Next WCC Term Would Start.....
Public Position #1: 2-Year Term, starting in odd years	Jo Ann Cannon	July 15, 2013	September 5, 2013	August 6, 2015	August 17, 2015	September 3, 2015
Public Position #2: 2-Year Term, starting in odd years	Jim Felton	July 15, 2013	September 5, 2013	August 6, 2015	August 17, 2015	September 3, 2015
Public Position #3: 2-Year Term, starting in odd years	Grace Silva-Santella	July 15, 2013	September 5, 2013	August 6, 2015	August 17, 2015	September 3, 2015
Public Position #4: 2-Year Term, starting in even years	Vacant	N/A	September 4, 2014	August 4, 2016	August 15, 2016	September 1, 2016
Public Position #5: 2-Year Term, starting in even years	Charlie Eskridge	August 18, 2014	September 4, 2014	August 4, 2016	August 15, 2016	September 1, 2016
City of Marina Position:	Dave Brown	N/A	February 2014	N/A	N/A	February 2015
MCWWD Board Position: Board Alternate:	Jan Shriner Bill Lee	January 8, 2013	February 2014	N/A	January 2015	February 2015

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 4

Meeting Date: November 6, 2014

Submitted By: Brian True

Presented By: Brian True

Agenda Title: Approve the Draft Minutes for October 2, 2014

Detailed Description: The Commission is requested to consider approval of the attached draft minutes for October 2, 2014.

Attachment: Draft October 2, 2014 minutes

Draft Minutes
Water Conservation Commission
October 2, 2014

1. Call to Order:

The meeting was called to order at 5:30 p.m. Commission members Jim Felton, Charlie Eskridge, Jan Shriner, David Brown, and JoAnn Cannon (arrived at 5:38 p.m.) were present. Grace Silva-Santella was absent. Brian True, Paul Lord, and Paula Riso were present from staff.

2. Public Comments on Any Item Not on the Agenda:

Mr. True announced that Mr. Carroll Meuse had resigned from the Commission and that staff was beginning the process of advertising for the position which should be completed in mid-November.

3. Elect the Commission Chair and Vice Chair for the Next 12-month Period:

Mr. True gave a brief introduction of this item.

Commissioner Cannon arrived at 5:38 p.m.

Commissioner Cannon nominated Commissioner Silva-Santella as the Chair and Commissioner Felton as Vice Chair. Director Shriner seconded the nomination.

Following discussion, Councilmember Brown suggested moving forward with the Vice Chair nomination of Commissioner Felton and holding off on the nomination of Commissioner Silva-Santella until next meeting when she returns. With a vote of 5-Ayes, 0-Noes, 1-Absent (Silva-Santella) the motion was passed.

4. Approve the August 2, 2014 Meeting Minutes:

Mr. True noted that there was not a quorum of those present at the August 2nd meeting, but that the Commission can accept/receive the minutes. Councilmember Brown made a motion to receive the minutes of the August 2nd meeting. Director Shriner seconded the motion. With a vote of 5-Ayes, 0-Noes, 1-Absent (Silva-Santella) the motion was passed.

5. Receive Updates on the Status of: A) the Conservation Article approved by the MCWD Board; B) MCWD's Prospective Engagement with CSUMB Regarding the Service Learning Programs; and C) the MOU Between MCWD and MPUSD Regarding the In-School Water Conservation Education Program (verbal report):

A. The Conservation Article approved by the MCWD Board:

Mr. True reviewed the conservation article with the Board President's editorial changes. Commissioner Cannon opined that the article's substantive changes took away the Commission's ownership of the article.

Agenda Item 5A (continued):

Commissioner Cannon made a motion to send the article back to the Board for them to take ownership of and submission for publishing. Director Shriner seconded the motion.

Following discussion, Councilmember Brown made a substitute motion to bring this item back to the November meeting for further discussion and action. Vice Chair Felton seconded the motion. With a vote of 4-Ayes, 1-No (Cannon), 1-Absent (Silva-Santella), the motion was passed.

B. MCWD's Prospective Engagement with CSUMB Regarding the Service Learning Programs:

Director Shriner explained how the Service Learning program worked and that it was suggested that the Commission come up with some tasks that the students can select from for the program. Discussion followed. This item will be on the November WCC agenda for further discussion.

C. The MOU Between MCWD and MPUSD Regarding the In-School Water Conservation Education Program:

Mr. True informed the Commission that this item was on the next Board meeting agenda.

6. Receive New-Commissioner Orientation Information Including Discussion on the State Water Resources Control Board's Resolution No. 2014-0038 Adopting an Emergency Regulation for Statewide Urban Water Conservation:

Mr. True reviewed the Board Procedures Manual section regarding the Water Conservation Commission and the Water Conservation Commission Procedures/Purpose to orientate new Commissioner Eskridge. Mr. True also reviewed the District's Water Shortage Contingency Plan and how it is part of the Urban Water Management Plan and the State Water Resources Control Board Resolution adopting an emergency regulation for statewide urban water conservation.

7. Review Proposed and Suggested Agenda Items for the November 6, 2014 WCC Meeting:

The Commission agreed to the two listed items, review of the conservation article, MPUSD update, election of Chair, and the service learning task list. To the future agenda items, the Commission agreed to add a presentation by Mary Linzer; a survey of other Districts education programs for K – 12; and, Ocean Friendly Garden Certification.

8. Receive Update on Board/District Activities:

Director Shriner noted that the next Board meeting there would be recognition of Dan Amadeo for his work on the WCC. She gave a brief update on other Board activities.

9. Receive Comments from Commission Members:

Commissioner Cannon read the conservation article she submitted to the CSUMB newsletter, Otter Realm. Director Shriner welcomed new Commissioner Eskridge to the Water Conservation Commission.

10. Adjournment:

The meeting was adjourned at 7:05 p.m.

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 6

Meeting Date: November 6, 2014

Submitted By: Brian True

Presented By: Brian True

Agenda Title: Discuss the Water Conservation Article Prepared by the WCC but Revised by MCWD Board President and Resolve Questions Regarding Its Distribution

Detailed Description: The WCC prepared an editorial water conservation Article regarding the drought in June, 2014. The Article was taken to the July 21, 2014 MCWD Board of Directors meeting for their acceptance and direction regarding distribution. At that meeting, the MCWD Board accepted the Article for distribution but with a provision that the MCWD Board President would make minor edits and that final product was to be distributed over the signature of the WCC Chair. When the Article was returned prior to the WCC's October meeting, the Article was substantially different than the version agreed to by the entire WCC. This item is intended to determine the final disposition of the Article.

Board Goals/Objectives: *2014 Five-year Strategic Plan, Strategic Element 1.0 Water Sources, Strategic Goal 1.7 Review and update our water conservation program – We recognize that drinking water is one of the most precious resources on earth. We will assign this to the Water Conservation committee to review and update our water conservation program to ensure we are appropriately managing our water sources.*

Prior Committee or Board Action: The WCC prepared the Water Conservation Article during the June 2014 WCC meeting. The MCWD Board accepted the article at their July 21, 2014 meeting with edits to be prepared by the MCWD Board President.

Financial Impact: ___ Yes ___ X No

Funding Source/Recap: None

Material Included for Information/Consideration: The Article as revised by the MCWD Board President; the Article as prepared by the WCC.

Recommendation: Water Conservation Commissioners determine a final disposition of the Article.

Action Required: ___ Resolution ___ X Motion ___ Review

Commission Action

____ Resolution No ____ Motion By _____ Seconded By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

The drought in California continues unabated. So tThe time for everyone to seriously conserve water is NOW! We are asking for your help to do so, in your homes, businesses ~~or~~ and workplaces.

The Water Conservation Commission of the Marina Coast Water District (MCWD) is charged with providing recommendations to the Board of Directors to contribute to the education of the public and to provide alternatives ~~in~~ for reducing water usage ~~with~~ in the MCWD Service Area.

We' ~~have~~ been ~~in a very~~ experiencing serious drought conditions for ~~nearly~~ the last 3-or-4- years now. And while the aquifer from which we get our water is a big one, more water has been removed from it than replenished by rain for many decades. We need rRain in order is needed to replenish ~~this~~ the aquifer and from which MCWD draws your water prevent further seawater intrusion into it.

~~Seen much rain lately?~~ Seawater intrusion is particularly troublesome for us – our wells are near the coast, so they have always been some of the first wells to be affected by seawater intrusion. Without rain and conservation we risk depleting the aquifer which then aggravates salt water intrusion into it, as well as increases unwanted mineral and chemical concentrations. If we cannot obtain from our wells water of the We need to maintain required water quality, in a healthy water aquifer then we either have to move the wells away from the seawater intrusion front (an expensive proposition); or we must build expensive additional water treatment facilities (also an expensive proposition).

~~At this time~~ Recently, Governor Brown ~~has~~ requested voluntary 20% reductions in water use of 20% across the State. In many places parts of California, water allocations have already been reduced. Many communities ~~in California~~ are ~~already~~ being *obligated to mandate reductions* in water use. Let's not be one of them! Water conservation must become a priority in our community ~~now~~; reducing ~~water~~ consumption now may help postpone or avoid mandatory rationing later.

When you consider ~~the-that~~ 10% to 13% of the water you pay for is not even used for its intended purpose, conserving water is not as difficult as it might first seem. First and foremost, find and repair any leaks you have on your side of the water meter. Reduce the ~~time each person in the household~~ length of your showers. Turn ~~water the faucet~~ off when shaving or brushing your teeth. Capture the “gray” water ~~run-off~~ from such uses and use it for ~~other purposes such as~~ watering indoor/outdoor plants. ~~Reduce~~ Wash your car ~~less often~~ washing and always use a shut off-nozzle on ~~the your~~ hose when you do (the use of a shut-off nozzle ~~is the law – believe it or not!~~ now required by law). Consider planting native and drought tolerant plants and succulents instead of lawn.

MCWD, along with other water providers, offers ~~a series of various~~ incentives for upgrading your plumbing fixtures and outdoor irrigation systems in ways that reduce water use. Please visit our website at <http://www.mcwd.org/conservation.html> ~~www.MCWD.org\Water Conservation (under rebate programs)~~ and review the opportunities available. For example there are rebates for converting to high-efficiency toilets and clothes washers, and upgrades and changes to outdoor irrigation systems. (Note that the latter use which often accounts for 50% half of your water usage.) And i If you do not have a hot water recirculation pump, consider installing one – these are also part of MCWD’s rebate programs. You won’t regret such choices.

Water is life! We are asking you to work with us and do your part.

The time for everyone to seriously conserve water is NOW! We are asking for your help to do so, in your homes, businesses or workplaces.

The Water Conservation Commission of the Marina Coast Water District (MCWD) is charged with providing recommendations to the Board of Directors to contribute to the education of the public and to provide alternatives in reducing water usage within the MCWD Service Area.

We have been in a very serious drought for the last 3-or-4-years. Rain is needed to replenish the aquifer from which MCWD draws your water. Seen much rain lately? Without rain and conservation we risk depleting the aquifer- which then aggravates salt water intrusion into it, as well as increases unwanted mineral and chemical concentrations. We need to maintain required water quality in a healthy water aquifer.

At this time, Governor Brown has requested voluntary reductions of 20% across the State. In many places, water allocations have been reduced. Many communities in California are already being *obligated to mandate reductions* in water use. Let's not be one of them! Water conservation must become a priority in our community now; reducing water consumption may help avoid mandatory rationing later.

When you consider the 10% to 13% of the water you pay for is not even used for its intended purpose, conserving water is not as difficult as it might first seem. First and foremost, find and repair any leaks. Reduce the time each person in the household showers. Turn water off when shaving or brushing teeth. Capture the water run-off from such uses and use it for other purposes such as watering indoor/outdoor plants. Reduce car washing and always use a shut off-nozzle on the hose (the use of a shut-off nozzle is the law – believe it or not!). Consider planting native and drought tolerant plants and succulents instead of lawn.

MCWD, along with other water providers, offers a series of incentives for upgrading your plumbing fixtures and outdoor irrigation systems. Please visit our website at www.MCWD.org \ Water Conservation (under rebate programs) and review the opportunities available. For example there are rebates for

converting to high-efficiency toilets and clothes washers, and upgrades and changes to outdoor irrigation systems, which often account for 50% of your water usage. If you do not have a hot water recirculation pump, consider installing one – these are also part of MCWD’s rebate programs. You won’t regret such choices.

Water is life! We are asking you to work with us and do your part.

Marina Coast Water District
Water Conservation Commission
Staff Report

Agenda Item: 7

Meeting Date: November 6, 2014

Prepared By: Paul Lord

Presented by: Brian True

Subject: Receive the Current Consumption and GPCD Data

Summary: In response to the ongoing drought, the State Water Resources Control Board (SWRCB) recently approved an emergency regulation that directs water purveyors to electronically report monthly water production and consumption figures. Also to be reported to the SWRCB is 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, more accurately portrays water use by individuals and allows communities to compare their efforts accurately with others around the state.

In support of the SWRCB actions, Marina Coast Water District staff is increasing their efforts to compile and submit the R-GPDC data and other required monitoring report data each month. Attached to this Staff Report are tables and charts showing the gallons-per-capita-day (GPCD) and R-GPCD data that has been most currently compiled. Also attached are tables and charts that show the detailed water production and consumption figures. The information generally includes data for 2013 and January through September 2014. The documents are entitled:

- 2010-2013 Monthly Water Production
- 2013-2014 Monthly Total Consumption
- 2013-2014 Monthly GPCD (Gross Production)
- 2013-2014 Monthly R-GPCD (Residential)
- 2014 Water Consumption By User Category
- 2013-2014 Monthly Residential Consumption (Single-family and Multi-family combined)
- 2013-2014 Monthly Single-family Consumption
- 2013-2014 Monthly Multi-family Consumption
- 2013-2014 Monthly Commercial/Institutional/Industrial Consumption
- 2013-2014 Monthly Landscape Consumption

The Water Conservation Act of 2009 (SBx7-7) requires each retail urban water supplier to establish baseline daily per capita water demand (GPCD) and water conservation targets, as outlined in California’s 20x2020 Water Conservation Plan. That Plan established a statewide goal of reducing average per capita water demand by twenty percent by the year 2020. The GPCD baseline determinations and goals are required to be expressed in the State-required Urban Water Management Plans.

As shown in MCWD’s 2010 Urban Water Management Plan (UWMP), water-suppliers may use one of four methods to calculate a 2020 GPCD target. MCWD uses method three for determining

the 2020 target. This method employs taking 95-% of a state-dictated regional average from hydrological units to determine the target. MCWD uses GPCD data for a 5–year baseline period ending December 31, 2008 and compares the average GPCD from that baseline period to the 95-% state-dictated regional GPCD value in order to establish the 2020 GPCD target of 117-GPCD. Please review the previously provided UWMP excerpts for a more detailed explanation of how MCWD determined their baseline targets – the determination is somewhat complex.

The District GPCD targets, and a comparison of daily per capita water demand between service areas is shown in the tables below:

District Baseline and GPCD Targets (Gross Production)		
Description	Year	Amount
Baseline GPCD	2008	133 gpcd
Maximum Allowable Target	2020	126 gpcd
Interim GPCD Target	2015	125 gpcd
2020 GPCD Target	2020	117 gpcd
Projected 2014 GPCD		119 gpcd

MCWD Daily Per Capita Water Use 2008-2013

	Marina			Ord Community			System-Wide		
	Annual	Daily		Annual	Daily		Annual	Daily	
	Marina	Water Use	Per Capita	Ord	Water Use	Per Capita	Total	Water Use	Per Capita
Year	pop.	(gal)	(gal)	pop.	(gal)	(gal)	pop.	(gal)	(gal)
2008	17,706	611,312,769	95	11,827	747,160,050	173	29,533	1,358,472,819	126
2009	17,852	644,671,439	99	11,891	670,984,559	155	29,743	1,315,655,998	121
2010	16,834	579,071,116	94	13,646	767,605,897	154	30,480	1,346,677,013	121
2011	16,935	540,621,349	87	13,728	777,967,308	155	30,663	1,318,588,657	118
2012	17,037	604,831,592	97	13,810	739,238,613	147	30,847	1,344,070,205	119
2013	17,139	606,442,599	97	13,892	837,468,352	165	31,032	1,443,910,951	127

Notes:

2008-2009 population figures are estimates based on CA Department of Finance estimates multiplied by annual growth projections (2010 Urban Water Management Plan)

2010 population figures are from the 2010 U.S. Census for tracts and block groups determined to be applicable to the service area

2011 - 2013 population figures are estimates based on 2010 U.S. Census figures multiplied by 0.6% Dept. of Finance annual growth projections

Annual water use in the Ord Community is an estimate based on the sum of metered consumption and an estimate of unmetered consumption

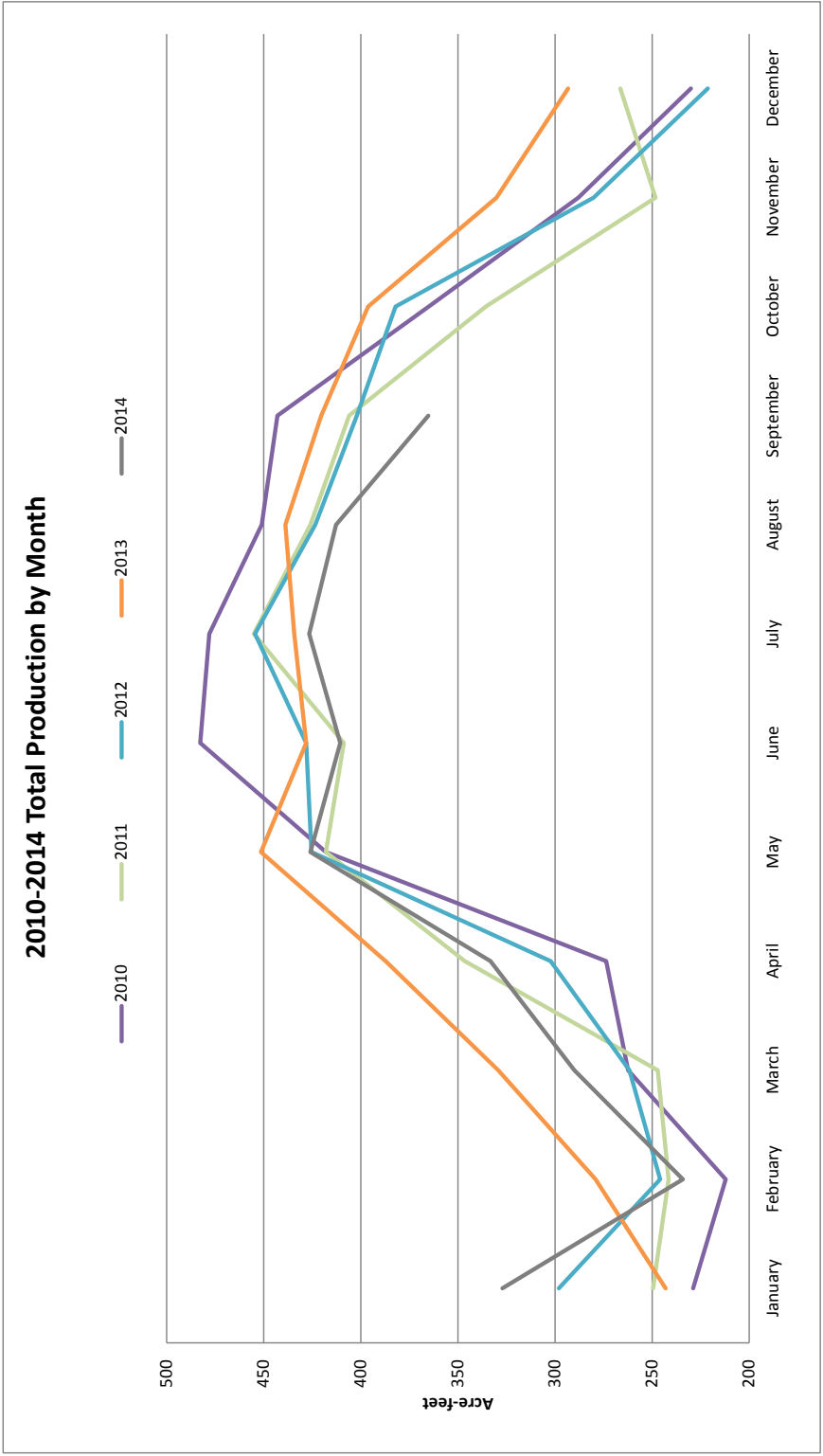
Gallons Per Capita Day (GPCD) = Water production/population/365

Since 2009 and until recently, the calculated GPCD figure has been at or below the Interim 2015 target (125 GPCD). GPCD values calculated for 2012 (119 GPCD), 2013 (118 GPCD) were very close to the year 2020 target, while the 2013 figure then unexpectedly jumped above the Interim 2015 target and the maximum allowable target of 126 GPCD. Based on water use for the first nine months of 2014, the projected 2014 GPCD figure is 119 GPCD. Since these recent GPCD annual figures are consistently higher than the 2020 GPCD target of 117 GPCD, ongoing water conservation efforts appear to be warranted.

Production by Month (acre-feet)

	2008	2009	2010	2011	2012	2013	2014
January	250	339.1	228.9	249.5	297.99	243.06	327.14
February	234	218.8	212.1	241.52	245.82	279.08	234.16
March	295	277.4	262.4	247.05	261.68	329.29	290.01
April	355	349.2	273.7	346.48	302.29	387.29	333.28
May	461	379.3	418	417.98	425.35	451.43	425.96
June	415	385.5	482.7	408.78	428.11	428.11	410.62
July	415	415.8	478	455.12	454.5	434.25	426.58
August	410	395.3	451	425.96	423.48	438.85	412.77
September	395	371	443	406.01	402.02	420.44	365.20
October	369	326.8	365	335.59	382.08	396.27	
November	303	308.7	288	248.27	280.19	330.21	
December	267	270.7	230	266.38	221.32	293.26	

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



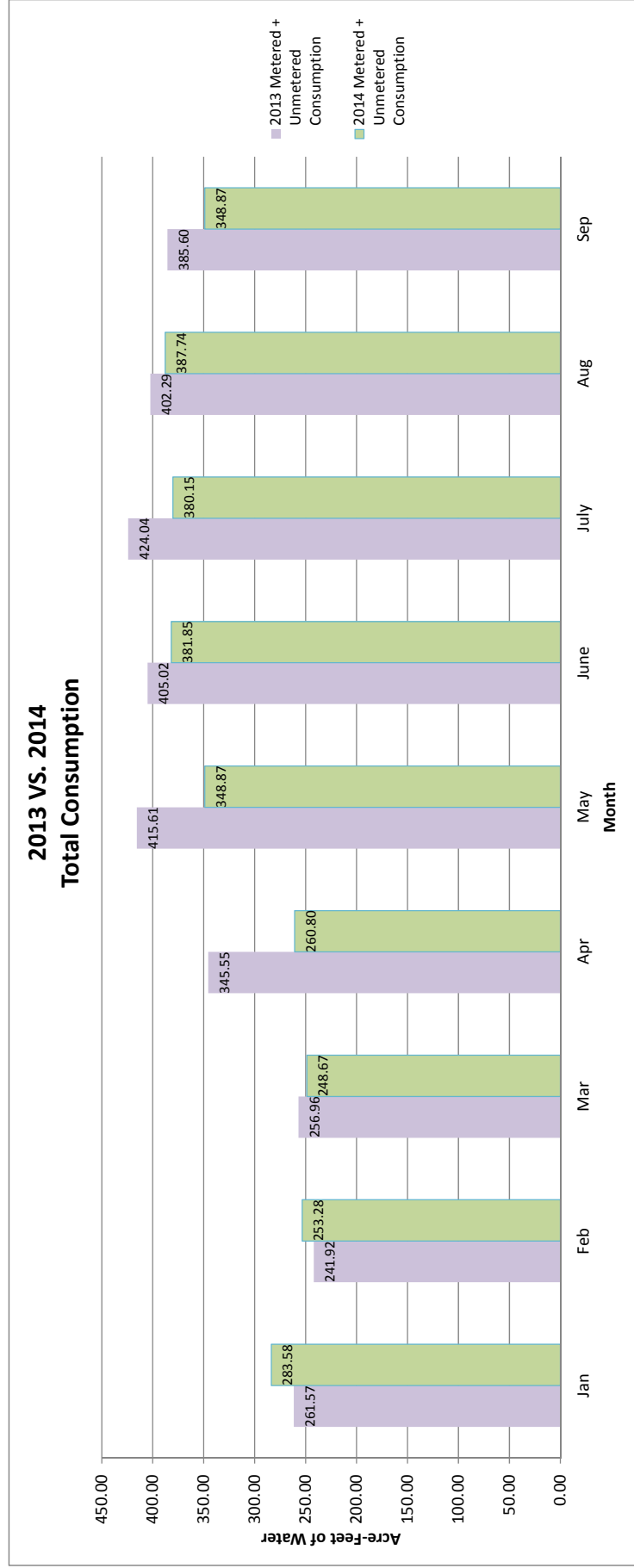
Metered Consumption		2013	2014
Jan		230.15	260.74
Feb		210.50	230.44
Mar		225.54	225.83
Apr		314.13	237.96
May		384.19	326.03
June		373.60	359.01
July		392.63	357.31
Aug		370.88	364.90
Sep		354.18	326.03
Oct		344.21	
Nov		294.74	
Dec		248.49	

Estimated Unmetered Consumption		2013	2014
Jan		31.42	22.84
Feb		31.42	22.84
Mar		31.42	22.84
Apr		31.42	22.84
May		31.42	22.84
June		31.42	22.84
July		31.42	22.84
Aug		31.42	22.84
Sep		31.42	22.84
Oct		31.42	22.84
Nov		31.42	22.84
Dec		31.42	22.84

Total Consumption		2013	2014
Jan		261.57	283.58
Feb		241.92	253.28
Mar		256.96	248.67
Apr		345.55	260.80
May		415.61	348.87
June		405.02	381.85
July		424.04	380.15
Aug		402.29	387.74
Sep		385.60	348.87
Oct		375.62	
Nov		326.15	
Dec		279.90	

*2013 metered consumption figures taken from "2013 Water System Statistics" - hundred cubic feet figures from "Section 4. Metered Water Deliveries Table", converted to AF.

* Monthly Estimated Unmetered Residential number was found by the annual estimation for 2014 of 274.12 AF and the annual estimation for 2013 of 377.0 AF.



District Baseline and GPCD Targets (Gross Production)

Description	Year	Amount
Baseline GPCD	2008	133 gpcd
Maximum Allowable Target	2020	126 gpcd
Interim GPCD Target	2015	125 gpcd
2020 GPCD Target	2020	117 gpcd
Projected 2014 GPCD		119 gpcd

2013-14 Monthly Gallons Per Capita Day



2013 VS 2014 Residential Gallons-per-Capita-Day
R-GPCD = (monthly production x percentage residential use) / (population x days in month)

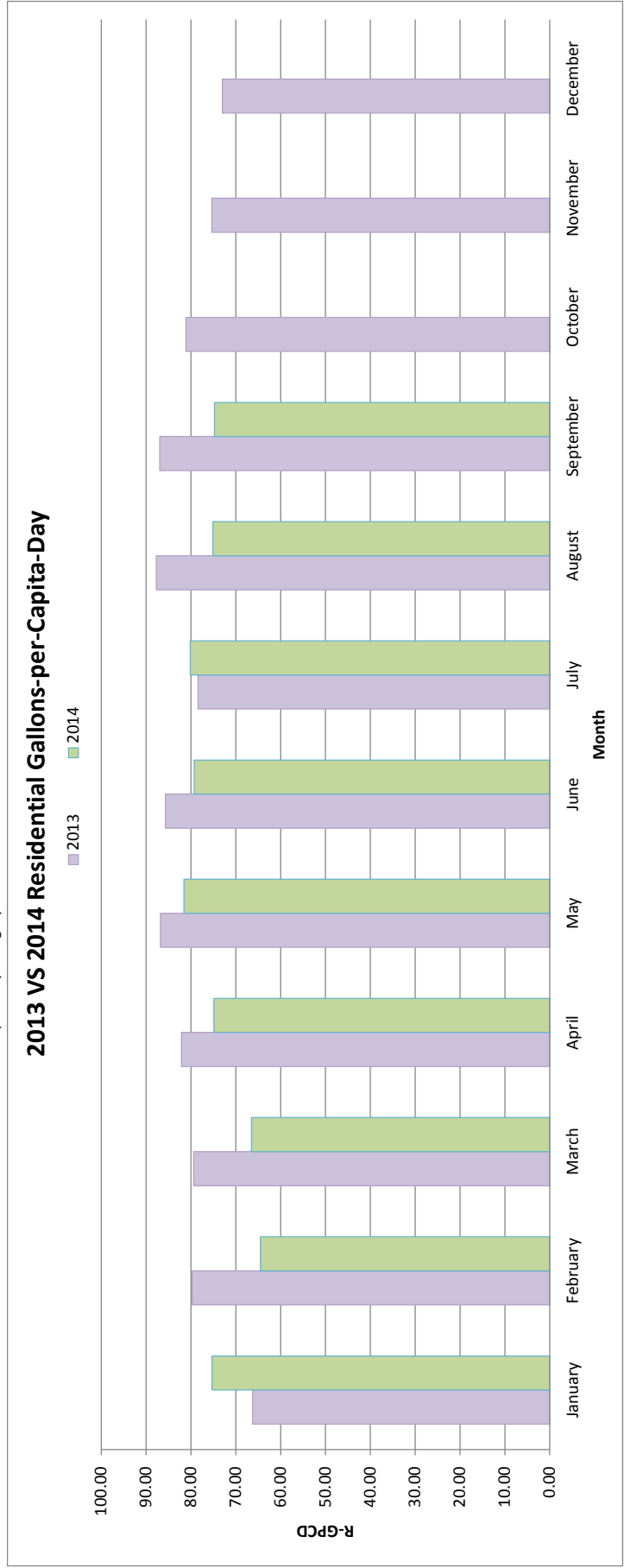
# of days	2013				2014			
	Production (Gallons)	% Residential Use	Population	R-GPCD	Production (Gallons)	% Residential Use	Population	R-GPCD
31	79,201,344.06	80.49%	31,032	66.27	106,598,896.14	68.37%	31,218	75.31
28	90,938,497.08	76.16%	31,032	79.71	76,301,270.16	73.90%	31,218	64.51
31	107,299,475.79	71.17%	31,032	79.39	94,500,048.51	68.11%	31,218	66.51
30	126,198,833.79	60.57%	31,032	82.11	108,599,621.28	64.56%	31,218	74.87
31	147,098,916.93	56.76%	31,032	86.79	138,799,491.96	56.86%	31,218	81.55
30	139,500,071.61	57.18%	31,032	85.67	133,800,937.62	55.50%	31,218	79.29
31	141,500,796.75	53.32%	31,032	78.43	139,001,519.58	55.82%	31,218	80.17
31	142,999,711.35	59.01%	31,032	87.72	134,501,517.27	54.06%	31,218	75.13
30	137,000,794.44	59.09%	31,032	86.96	119,000,785.20	58.85%	31,218	74.78
31	129,124,975.77	60.44%	31,032	81.13			31,218	0.00
30	107,599,258.71	65.20%	31,032	75.36			31,218	0.00
31	95,559,064.26	73.47%	31,032	72.99			31,218	0.00

* Population figures taken from "Marina & Ord Population Figures" spreadsheet.

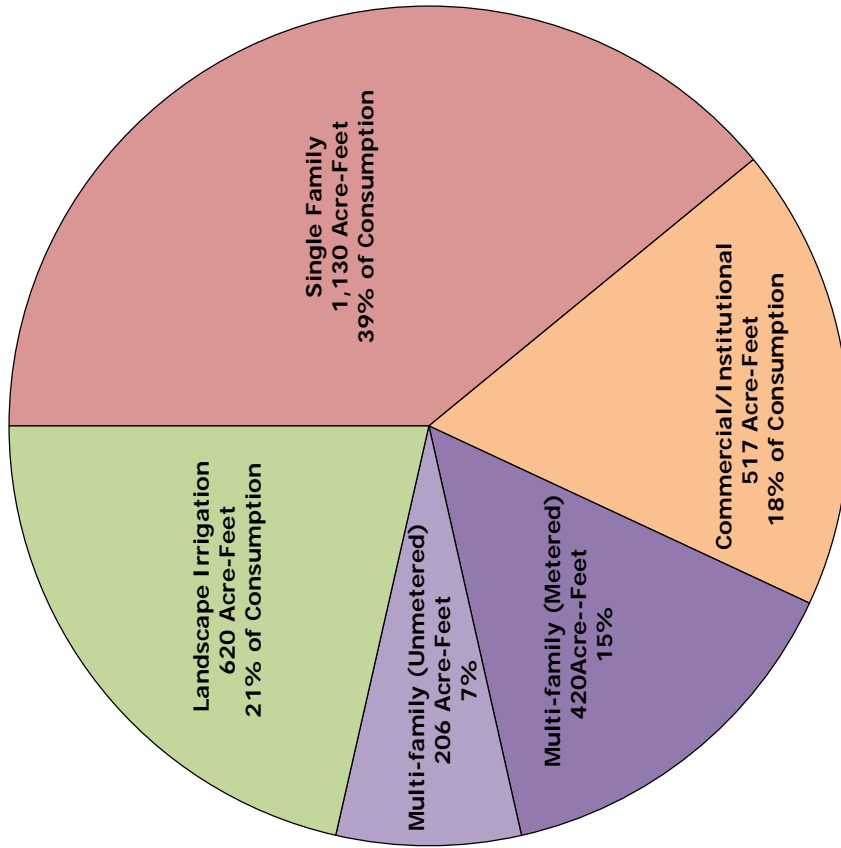
* 2014 production data taken from "2014 Well Production Summary."

* 2013 production data taken from "2013 Well Production Summary."

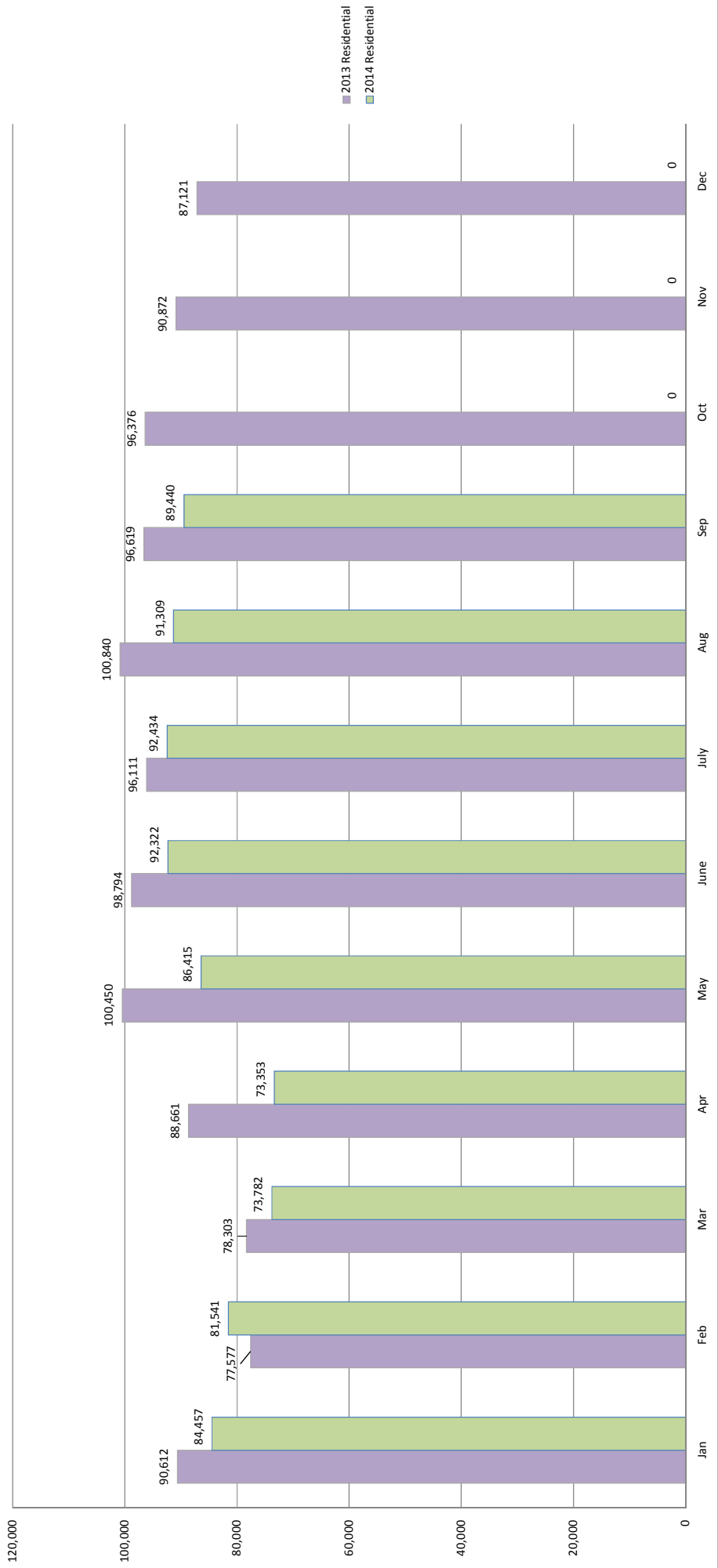
* 2013 % residential use taken from "2013 MONTHLY Consumption by Category Workbook."



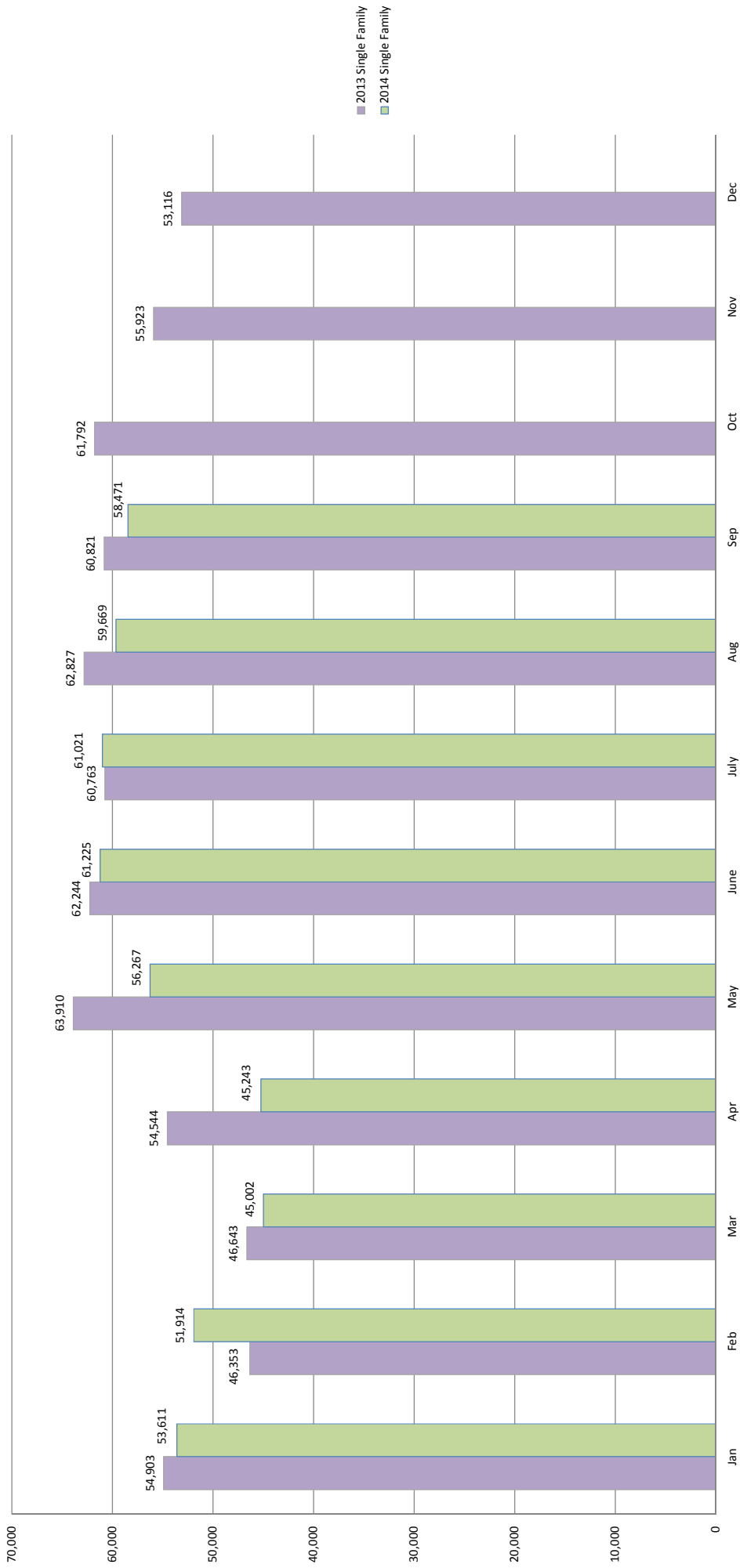
2014 YTD Consumption by Category (September 2014)



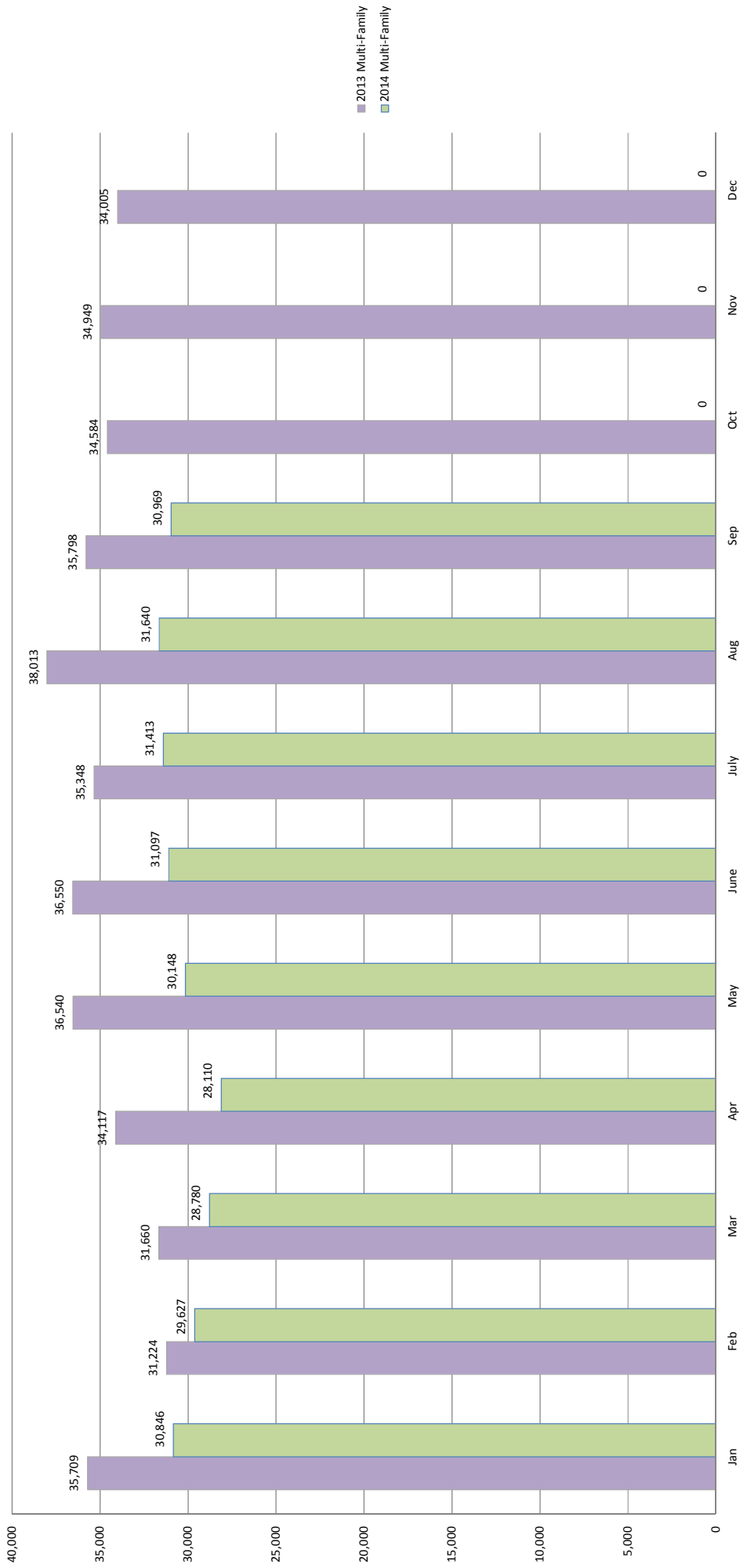
2013 VS 2014 Residential Total Consumption by Month (Units) (Single-Family and Multi-family Combined)



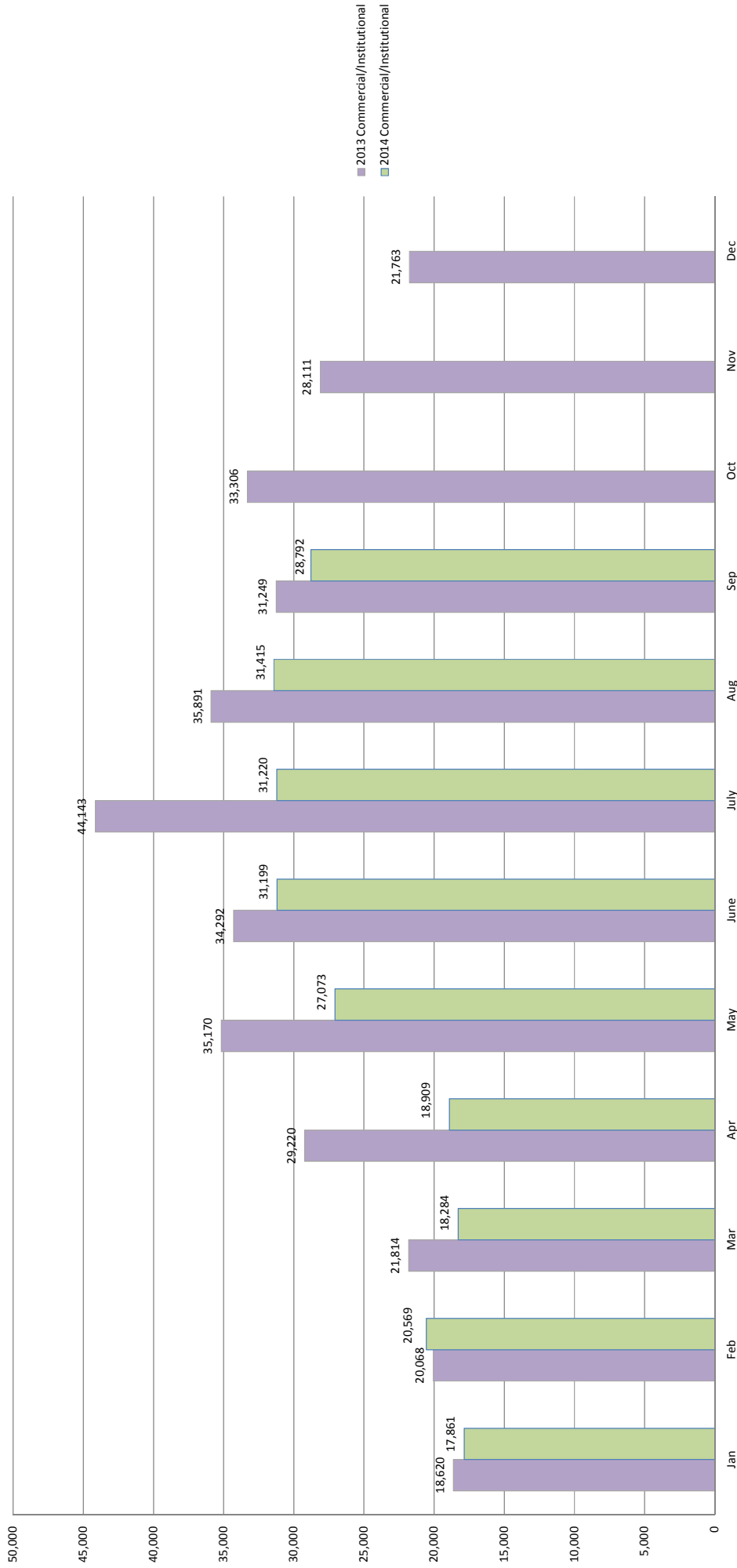
2013 VS 2014 Single Family Consumption by Month (Units)



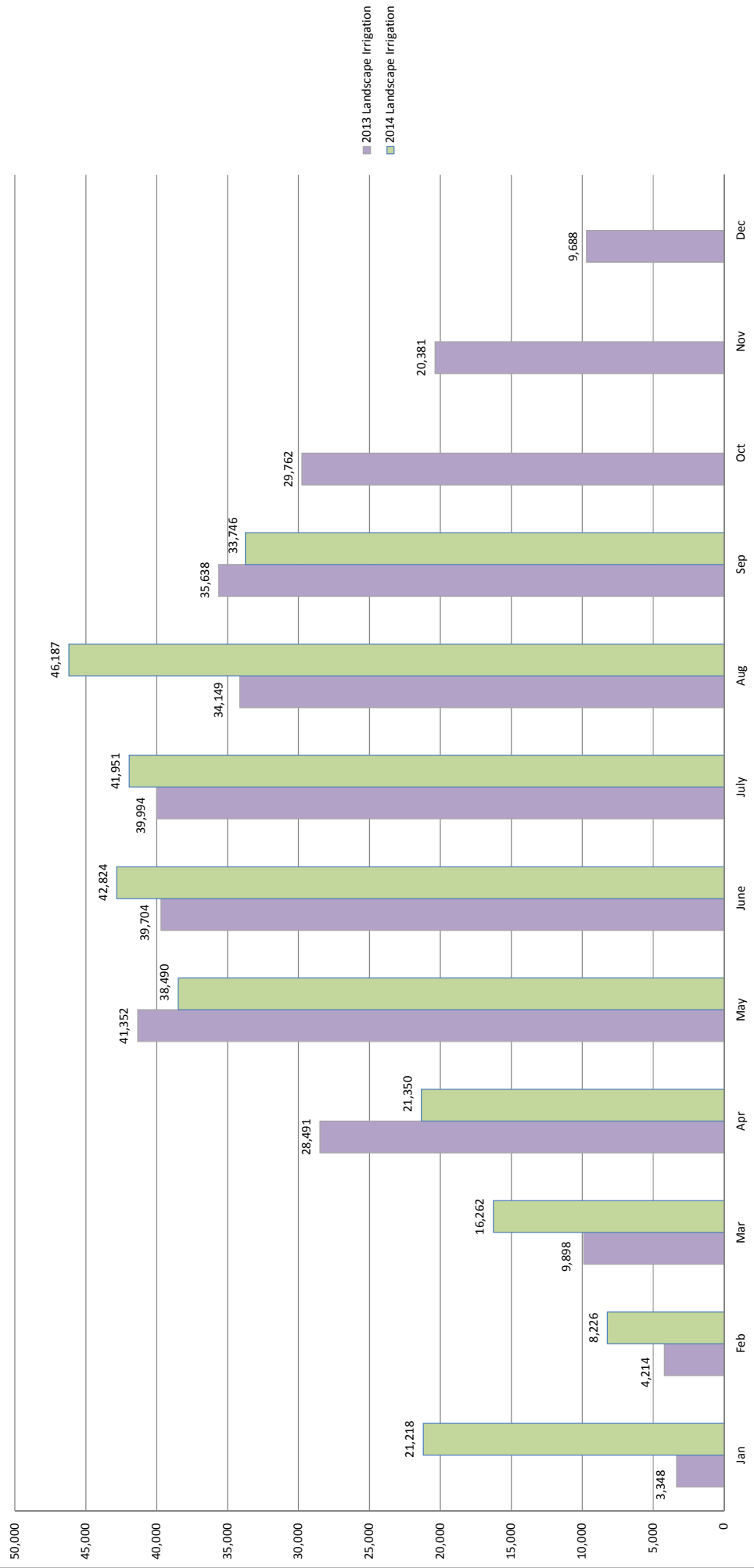
2013 VS 2014 Multi-Family Total Consumption by Month (Units)



2013 VS 2014 Commercial/Institutional Consumption by Month (Units)



2013 VS 2014 Landscape Irrigation Consumption by Month (Units)



Marina Coast Water District
Staff Report

Agenda Item: 8

Meeting Date: November 6, 2014

Prepared By: Brian True

Presented By: Brian True

Subject: Discuss the Implementing of the State Water Resources Control Board Resolution No. 2014-0038 Adopting and Emergency Regulation for Statewide Urban Water Conservation

Summary: The WCC will discuss MCWD's implementation of the State Water Resources Control Board Resolution No. 2014-0038 Adopting and Emergency Regulation for Statewide Urban Water Conservation. The MCWD Board considered the revision of the Water Shortage Contingency Plan (found in the 2010 Urban Water Management Plan) at their November 3 meeting and this item provides the forum for discussing the impact on water conservation activities from the potential Board action.

An updated, Board-accepted Water Shortage Contingency Plan may be provided at the WCC meeting.

Marina Coast Water District
Water Conservation Commission
Agenda Transmittal

Agenda Item: 9

Meeting Date: November 6, 2014

Submitted By: Brian True

Presented By: Brian True

Agenda Title: Review Proposed and Suggested Agenda Items for the December 2, 2014 Meeting and Future Dates

Detailed Description: The Commission is to review proposed agenda items for the December 2, 2014 meeting and may suggest new agenda items for future Water Conservation Commission meetings.

Staff-suggested agenda items for the December 2, 2014 Water Conservation Commission Meeting include the following:

- Ongoing consideration of implementing the Stages within the Water Shortage Contingency Plan
- Discuss Water Conservation Education Programs with Mary Linzer

Potential agenda items for the December 2, 2014 Commission meeting or future meetings include the following:

- Engage with local Land-Use Jurisdictions regarding gray water system permitting and requirements
- Consider and develop ideas for utilizing the CSUMB service learning/capstone programs in order to enhance water conservation outreach efforts
- Recommend to the Board that the WCC commence efforts to recommend changes to the Water Shortage Contingency Plan in order to dovetail recommendations with the 2015 Urban Water
- Review BMPs; current water savings for achieving year-2020 per capita consumption goal
- Developing Improved Commodity Rates for Water Connections
- New Water Saving Devices and Technologies – Consider rebates for rainwater catchment and use for single lot/parcel projects
- Develop a Conservation program for new developments that desire to employ rainwater catchment features
- Water Supply Augmentation Projects – MCWD desal plant tour; recycled water use; gray water use
- Developing Water-budgets for Large Landscapes
- Address Temporary Landscapes and their source of water (hydrant metering, temp connections)
- Improve/expand the Landscape Incentive Program, including “Ocean-Friendly Gardens” programs and certifications
- Compliance Inspections of New Developments
- Review State programs/mandates with which MCWD maintains compliance

- Review State mandated science curriculum for elementary school levels K – 12th grade
- Develop and implement surveys to discover what other Agencies do regarding Water Conservation Education for grade levels K-thru-12.
- Update Landscape Standards and Forms
- Training Opportunities in conservation-related topics
- Our Water – Sources; Conveyance and distribution; Storage