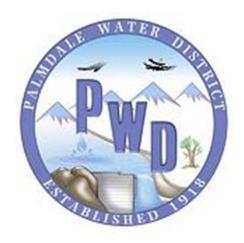
Palmdale Water District



Water Rate Study

September 16, 2014



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SECTION 1: INTRODUCTION & BACKGROUND

District History

Palmdale Water District is located within the Antelope Valley in Los Angeles County, 60 miles north of the City of Los Angeles The District was established in 1918 as the Palmdale Irrigation District by a vote of the public to supply irrigation water to the approximately 4,500 acres of agricultural land. As the region developed and grew, new industries emerged in the area, notably the aerospace industry in the 1950's with the activation of Air Force Plant 42 and the growth of Edwards Airforce Base. As the region has developed, the District has moved away from a primarily agricultural customer base to a primarily residential customer base.

The population of Palmdale CA, as of 2012 is approximately 155,000, and the District's service area population is expected to more than double over the next 25 years which will increase water demands significantly. The main driver of this growth is the single family residential customer class.

District Background

The District maintains 413 miles of pipelines, 23 active ground water wells, 17 reservoir sites, 15 booster stations, 14 pressure regulating stations, 9 seismic valves, and 9 hydro-pneumatic tanks. The storage capacity of the water system is over 50 million gallons (mg) or 154.4 acre feet, according to the 2010 Urban Water Management Plan Update.

Surface water is stored in Lake Palmdale, a reservoir with a capacity of over 4,100 acre feet, and Littlerock Reservoir, which has a capacity of 3,500 acre feet. The District receives an annual entitlement from the State Water Project of 21,300 acre feet, which may be reduced in times of drought. The fixed costs of participating in the State Water Project are billed to customers through an assessment on property taxes; however the District pays separately for transportation costs when water is purchased.

Palmdale Water District obtains approximately 60% of total water produced from surface water and 40% from groundwater. Surface water from the State Water Project and the Littlerock Reservoir is gathered in Lake Palmdale and treated at a recently upgraded (2009) 35 mgd water treatment plant. The District filters water from the treatment plant through a granular activated carbon (GAC) process, which improves taste and odor of the water. The granular activated carbon is currently funded through a \$ 0.20 surcharge on each CCF (hundred cubic foot) of water purchased.

The District supplies a non-contiguous area of approximately 140 square miles, with a primary service area of 46 square miles. Elevations of the service area range from approximately 2,600 feet to 3,800 feet above sea level. The District service area slopes upward toward the San Gabriel Mountains and is divided into four elevation zones, B, A1, A2, and A3. Customers located in

elevations above B pay an elevation booster surcharge to recover greater pumping costs related to serving those customers.

Customer Base

The current customer base is primarily Single Family Residential "SFR," with a number of Multi Family Residential "MFR," Irrigation "IRR," and Commercial-Industrial "CI" customers. A "Fire Service" class covers compound meters utilized by Commercial-Industrial customers, and an "Other" customer class primarily consists of construction meters. Table 1 shows a breakdown of water consumption by customer class in CY 2011.

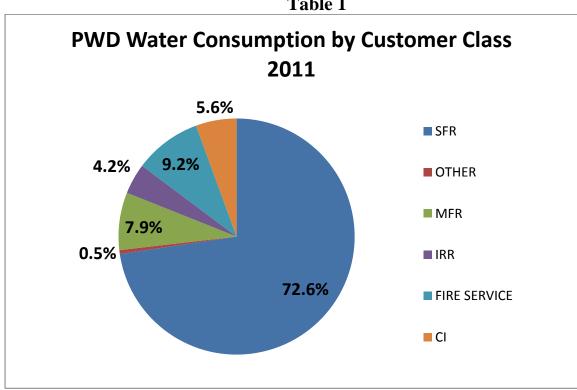


Table 1

Current Rates

Rates were last updated in 2009, in which the District contracted with Raftelis Financial Consultants, Inc ("RFC") to conduct a water rate study and implement a water budget rate structure. The budget structure establishes a level of "efficient usage" for individual customers defined by each customer's class. Current rates for CY 2014 are shown in **Table 2** and **Table 3**.

Usage above the "efficient usage" tier is charged a progressively higher rate based on conservation costs and the costs of purchasing supplemental supply, with tier breakpoints determined by a percentage of each individual customer's water budget. The percentage of the water budget that determines tier breakpoints is the same for all customer classes.

Table 2

			_		_
Palmdale	Water	Dietrict	Curront	Datas	CV 2011
raiiiiuaie	vvalei	DISHIGE	Curten	Dates	G 1 2014

Water Quality Fee (\$/ccf*): \$0.20

User Classification Water Budget Allocation

Single Family Residential "SFR" Indoor Allocation + Outdoor Allocation

Multi Family Residential "MFR" 3-yr moving average by month

Commercial-Industrial "CI"

3-yr moving average by month

Irrigation Only "IRR" Outdoor allocation

Other "OTHER" 3-yr moving average by month

Service Charge

rvice Charge	,
r	vice Charge

5/8"	\$27.51
1"	\$52.26
1-1/2"	\$93.51
2"	\$143.03
3"	\$258.57
4"	\$423.62
6"	\$836.24
8"	\$1,331.38
10"	\$1,909.05

Commodity Rates (\$/ccf*)

Tiers	CY 2014
Tier 1	\$0.73
Tier 2	\$2.90
Tier 3	\$3.70
Tier 4	\$4.81
Tier 5	\$5.81

Elevation Booster Surcharge (\$/ccf*)

Area	CY 201
В	-
A1	\$0.13
A2	\$0.41
A3	\$0.89

^{*}Water use is metered in units of ccf (hundred cubic feet)

All Customer Classes

Tier	% of water budget allocation

Tier 1	0-100%
Tier 2	101-130%
Tier 3	131-160%
Tier 4	161-190%
Tier 5	Above 191%

Table 3

Formulas and Variables CY 2014

Indoor Allocation = GPCD*Household Size*Days per billing cycle/(748 gallons/ccf)
Outdoor Allocation = (ETo/(12in))*IA*LF*Conservation Factor/(100ft3/1 ccf)

Landscape Factor (LF) = .7

Residential IA Default = 50%*Total Parcel Area

Irrigation IA Default = 100%*Total Parcel Area

Default Household Size = 4

GPCD = 66 gallons per occupant

Conservation Factor = 100%

Under current rates, each individual customer faces unique tier breakpoints based on a number of different factors:

Single Family Residential ("**SFR**") customers receive an indoor allocation based on the number of occupants using 66 gallons per day and an additional outdoor allocation based on monthly Evapotranspiration (ETo) data from a local weather station, the Irrigable Area (IA) of their property, and a Landscape Factor (LF).

Single Family Residential customers may submit a variance factor to the District to change their default indoor allocation. The District estimates that no more than 10% of customers have submitted a variance for their water usage, with the default indoor budget allowance of approximately 11 CCF based on a four person household, and a default irrigable area of 50% of the square footage of the parcel.

Irrigation ("**IRR**") customers receive an outdoor allocation which has the same basis as the Single Family Residential outdoor allocation, but based on 100% of the square footage of the parcel size.

Multi Family, Commercial/Industrial, Other ("MFR," "CI," "OTHER") customers receive an allocation based on their historical usage in the same month during the past three years.

Evapotranspiration (ETo) is the sum of evaporation and plant transpiration from the Earth's land and ocean surface to the atmosphere. The evapotranspiration factor increases during summer months, providing larger outdoor allocations for both Single Family Residential and Irrigation customers during summer months, and smaller outdoor allocations during winter months. Monthly ETo values are collected from CIMIS station 197 from Apr 05 – Nov 08.

Irrigable Area (IA) is determined by the total square footage of the parcel from assessor's data.

Landscape Factor (**LF**) is based on the water necessary to irrigate moderate usage plants with a Plant Factor (PF) of 0.5 and Irrigation Efficiency (IE) of .71 according to the **State of California AB 1881 Plant Factor/Irrigation Efficiency Standard**. The Landscape Factor (LF) is equivalent to the Plant Factor (PF)/Irrigation Efficiency (IE).

Conservation Factor only applies to the outdoor allocation and is meant to be lowered during times of drought. Under current rates, the District does not have the authority to alter the conservation factor, which is set to 100% as a default.

Water Usage & Weather

Palmdale is located in a high desert climate, with hot and dry summers, cool and windy winters, and low humidity and rainfall. Historical temperatures in CY 2011, water usage and average monthly evapotranspiration data are shown in **Tables 4** - 6 respectively.

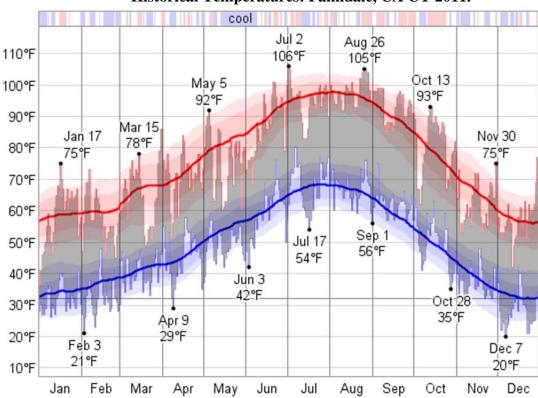
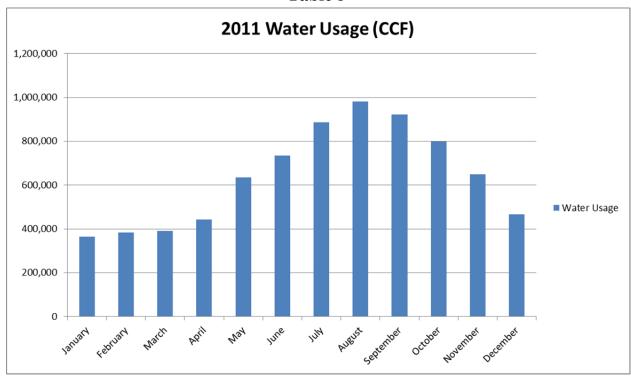


Table 4
Historical Temperatures: Palmdale, CA CY 2011.

Source: Weatherspark.com

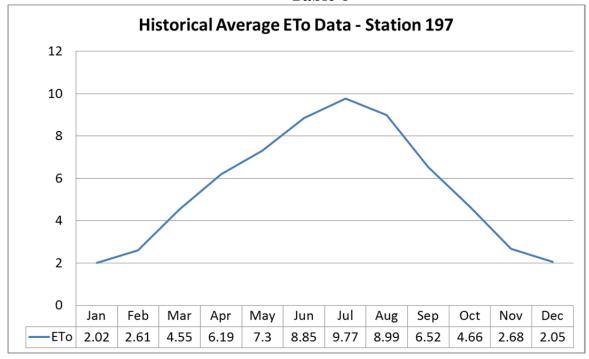
BWA has selected CY 2011 as a base year for this study due to the availability and quality of the District's data in that year. Water usage fluctuates in correlation with the temperature of the service area, with higher levels of usage during summer months, and lower levels of usage during winter months.

Table 5



Customer water usage hits peak levels in June – August, while lowest levels of usage occur in December – March. ETo data follows this same trend, allowing customers larger water budgets when they need to use more water for outdoor needs.

Table 6



2009 Study Tier Cost Allocation

Table 7
2011 Water Sales Calculation

Annual Usage (CCF)		2011 Rates	Water Sales Reven	ue
6,573,543	85.87%	\$0.67	\$4,404,274	54.13%
525,592	6.87%	\$2.63	\$1,382,307	16.99%
244,057	3.19%	\$3.36	\$820,032	10.08%
127,404	1.66%	\$4.37	\$556,755	6.84%
<u>184,715</u>	2.41%	\$5.27	\$973,448	11.96%
7,655,311	100.00%		\$8,136,816	100.00%

The 2009 rate structure was designed based on recovering all basic operating costs of the system in Tier 1 (the budgeted allocation). Higher costs in higher tiers were justified based on conservation program costs and developing additional sources of supply.

In the 2009 study, the costs of supplemental water was determined to be \$1,000 per acre foot for additional State Water Project water, and \$2,300 per acre foot for the District's "Cash for Grass" program. Customer usage above Tier 1 resulted in excess revenues, which have been used to keep charges low. **Table 7** shows the 2011 breakdown of commodity revenues by Tier, with approximately 46% of water sales collected on usage above Tier 1.

2009 Approved Rates

Table 8
Approved Meter Charges (2009)

Meters	2009	2010	2011	2012	2013	2014	Total Increase
5/8"	\$25.97	\$29.61	\$31.97	\$34.53	\$37.29	\$40.28	55.10%
1"	\$50.66	\$57.75	\$62.37	\$67.36	\$72.75	\$78.57	55.09%
1.5"	\$91.81	\$104.65	\$113.04	\$122.08	\$131.85	\$142.39	55.09%
2"	\$141.20	\$160.97	\$173.85	\$187.75	\$202.77	\$219.00	55.10%
3"	\$256.43	\$292.33	\$315.72	\$340.97	\$368.25	\$397.71	55.09%
4"	\$421.05	\$480.00	\$518.40	\$559.87	\$604.65	\$653.03	55.10%
6"	\$832.59	\$949.15	\$1,025.08	\$1,107.09	\$1,195.65	\$1,291.31	55.10%
8"	\$1,326.44	\$1,512.14	\$1,633.11	\$1,763.76	\$1,904.86	\$2,057.25	55.10%
10"	\$1,902.60	\$2,168.96	\$2,342.48	\$2,529.88	\$2,732.27	\$2,950.85	55.10%

Table 9
Approved Commodity Rates (2009)

Tiers	2009	2010	2011	2012	2013	2014	Total Increase
Tier 1	\$0.64	\$0.73	\$0.79	\$0.85	\$0.92	\$0.99	
%		14.06%	8.22%	7.59%	8.24%	7.61%	54.69%
Tier 2	\$2.50	\$2.85	\$3.08	\$3.32	\$3.59	\$3.88	
%		14.00%	8.07%	7.79%	8.13%	8.08%	55.20%
Tier 3	\$3.20	\$3.65	\$3.94	\$4.26	\$4.60	\$4.96	
%		14.06%	7.95%	8.12%	7.98%	7.83%	55.00%
Tier 4	\$4.16	\$4.74	\$5.12	\$5.53	\$5.97	\$6.45	
%		13.94%	8.02%	8.01%	7.96%	8.04%	55.05%
Tier 5	\$5.03	\$5.73	\$6.19	\$6.69	\$7.22	\$7.80	
%		13.92%	8.03%	8.08%	7.92%	8.03%	55.07%

Source: 2009 Resolution 09-08

Rates approved by the District from 2009 to 2014 accounted for a 55.10% increase over 5 years in both Meter and Commodity charges, as shown in **Table 8** and **Table 9**, respectively.

Implemented Rate Increases

Table 10 Implemented Meter Charges

	•		•
Meters	2009	2014	Total Increase
5/8"	\$25.97	\$27.51	5.93%
1"	\$50.66	\$52.26	3.16%
1.5"	\$91.81	\$93.51	1.85%
2"	\$141.20	\$143.03	1.30%
3"	\$256.43	\$258.57	0.83%
4"	\$421.05	\$423.62	0.61%
6"	\$832.59	\$836.24	0.44%
8"	\$1,326.44	\$1,331.38	0.37%
10"	\$1,902.60	\$1,909.05	0.34%

Table 11
Implemented Commodity Rates

	•		•
Tiers	2009	2014	Total Increase
Tier 1	\$0.64	\$0.73	14.06%
Tier 2	\$2.50	\$2.90	16.00%
Tier 3	\$3.20	\$3.70	15.63%
Tier 4	\$4.16	\$4.81	15.63%
Tier 5	\$5.03	\$5.81	15.51%

Actual District rate increases since 2009 have been significantly lower than approved rates. **Table 10** shows Meter Charges were increased slightly from 2009 to 2014. For Commodity Rates, the District was able to eliminate the 2010 14% rate increase, reduce the 2011 8% increase to 5%, eliminate the 2012 8% rate increase, keep the 2013 8% rate increase, and reduce the 8% increase in 2014 to 2%. **Table 11** shows the total 5 year increase was approximately 15%.

SECTION 2: PROPOSED RATES DEVELOPMENT

Summary of Rate Structure Recommendations

After a thorough analysis of the District's rate structure and consultation with District staff and legal counsel, BWA believes the following rate structure alterations will further District goals of conservation and maintain equity and fairness across all customer classes:

- 1. A new cost allocation methodology which more accurately represents District costs being recovered by revenues based on peak system demand and conservation program costs
- 2. The addition of sub-allocation tiers for all customer classes based on their "essential usage" to further encourage conservation
- 3. A 55% fixed 45% variable cost recovery from water rates which will balance revenue stability with conservation incentive
- 4. Standardization of 1" and below meter charges for all customer classes to resolve pressure issues with 5/8" meters.
- 5. 3-year 3-month rolling averaging of the "Commercial/Industrial" customer class water usage to smooth out variances in usage (currently 3-year 1-month)
- 6. New policies for establishing the water quality fee and elevation booster surcharge based on five year running averages of actual costs
- 7. The development of a drought surcharge based on Board Resolution No. 09-04

<u>Cost Allocation – 2014 Budget</u>

Table 12

Operating Expe	enses	
Directors	\$114,500	
Administration	3,490,000	
Engineering	1,079,800	
Facilities	3,408,500	
Operations (Less Elevation Costs)	5,108,739	
Finance	2,968,750	
Human Resources	215,300	
Information Technology	828,600	
Water Purchases	2,400,000	
OAP Chrg (Prior Year)	250,000	
Water Recovery	-100,000	
Capital Expenses		
Plant Expenditures	\$2,143,500	
Acquisition of PP&E	886,000	
Capital Leasing	217,500	
Total	\$23,011,189	

Fixed Costs			
Bill	ing		Meter
5%	\$5,725	50%	\$57,250
20%	\$698,000	40%	\$1,396,000
10%	\$107,980	55%	\$593,890
10%	\$340,850	40%	\$1,363,400
15%	\$766,311	40%	\$2,043,495
30%	\$890,625	20%	\$593,750
15%	\$32,295	40%	\$86,120
15%	\$124,290	40%	\$331,440
20%	\$480,000	30%	\$720,000
20%	\$50,000	30%	\$75,000
20%	-\$20,000	30%	-\$30,000
Subtotal	\$3,476,076 \$7,230,345		\$7,230,345
10%	\$214,350	50%	\$1,071,750
10%	\$88,600	50%	\$443,000
10%	\$21,750	50%	<u>\$108,750</u>
Subtotal \$324,700			\$1,623,500

\$6,842,809	\$3,513,758
29.7%	15.3%

Variable Costs

\$28,625 20%

\$872,500 15%

\$215,960 15%

\$1,363,400 10%

\$1,532,622 15%

\$1,039,063 15%

\$75,355 10%

\$290,010 10%

\$720,000 20%

\$75,000 20%

-\$30,000 20%

\$428,700 20%

\$177,200 20%

\$54,375 15%

\$6,182,534

\$660,275

Peak

\$22,900

\$523,500

\$161,970

\$340,850

\$766,311

\$445,313

\$21,530

\$82,860

\$480,000

\$50,000

-\$20,000

\$428,700

\$177,200

\$638,525

\$32,625

\$2,875,233

Base

25%

25%

20%

40%

30%

35%

35%

35%

30%

30% 30%

20%

20%

25%

Total	\$3,800,776	\$8,853,845
% of Total	16.5%	38.5%

Total Fixed Costs

\$12,654,621

Total Variable Costs \$10,356,567

Cost Allocations			
Total Fixed Costs	54.99%		
Total Variable Costs	45.01%		
Billing % of Fixed Costs	30.03%		
Meter % of Fixed Costs	69.97%		
Base % of Variable Costs	66.07%		
Peak % of Variable Costs	33.93%		

BWA examined the O&M cost structure of the District and determined that actual costs are approximately 75% fixed and 25% variable.

Under Article 10 Section 2 of the California Constitution, public agencies are required to maximize beneficial use of water service, allocate costs in proportion to the cost of serving each customer class, and discourage waste. Section 2 states that:

It is hereby declared that because of the conditions prevailing in this State the general welfare requires that the water resources of the State be put to beneficial use to the fullest extent of which they are capable, and that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of such waters is to be exercised with a view to the reasonable and beneficial use thereof in the interest of the people and for the public welfare.

Based on the direction of District staff to encourage water conservation while maintaining revenue stability, BWA recommends that approximately 55% of District costs should be recovered by fixed charges, and 45% from variable charges. This mix of fixed vs. variable revenues is consistent with the current rate structure and balances revenue stability with conservation incentive.

In **Table 12**, BWA analyzed the District's expenses and determined a cost allocation which recovers approximately 55% of District costs from fixed charges, 45% from variable charges, and acknowledges that variable revenues in higher tiers are used to pay for fixed costs of the system.

Billing: covers costs associated with billing and customer service.

Meter: covers fixed costs related to sizing of facilities to meet basic consumer demands

Base: covers the cost per unit of water to satisfy basic customer demand

Peak: covers sizing of facilities and additional production costs to meet maximum demand on the water system.

Of the costs to be recovered by fixed charges, 30% represents costs associated with billing and customer service, while 70% represents costs associated with meter capacity. 66% of costs recovered by variable charges are allocated to supply base needs, while 34% are allocated to peak costs.

Revenue offsets from miscellaneous revenue sources unrelated to rates are subtracted from total expenses in **Table 13** to determine the level of expenses needed to be recovered from rates.

Table 13

Revenue Offsets		
Other Operating Revenue	\$1,700,000	
Wholesale Water (AVEK & LCID)	225,000	
Interest	35,000	
Market Adj. on Investments	(10,000)	
Capital Improvement Fees	150,000	
Grants - State & Federal	485,000	
Other Non-Operating Revenue	185,000	
Subtotal	\$2,770,000	

Costs to Be Recovered From Meter Charges and Water Sales		
Operating Expenses	\$19,764,189	
Capital Expenses	3,247,000	
Less: Revenue Offsets	(2,770,000)	
Total	\$20,241,189	

Costs including elevation pumping, water conservation and costs for the GAC Media will be recovered from surcharges and are not included in the prior cost allocation. These costs are shown in **Table 14.**

Table 14
Costs to Be Recovered by Other Charges

Elevation	n Costs
Pumping Costs	\$344,761
Subtotal	\$344,761

Conservation Program Costs		
Water Conservation Department	\$270,000	
Non-Operating Water Conservation	\$143,000	
Subtotal	\$413,000	

Water Qua	lity Costs
GAC Media	\$1,638,000
Subtotal	\$1,638,000

Unit Cost Development

Table 15

Units Cost Development		
55% Fixed	\$11,131,306	
45% Variable	\$9,109,883	
Total	\$20,241,189	

Variable Revenue Recovery	Rates	Base Water Charge (66.1%)	Peak Costs (33.9%)
	Total Cost	\$6,019,098	\$3,090,785
\$9,109,883	Total "Units of Service"	8,190,000	
Unit Cost		\$0.73	
	Units of Service	per ccf	

Fixed Revenue Recovery	Rates	Billing & Customer Service (30%)	Meter Charge (70%)	Total
	Total Cost	\$3,343,253	\$7,788,053	\$11,131,306
\$11,131,306	Total "Units of Service"	321,828	38,904	
	Unit Cost	\$10.39	\$16.68	\$27.07
	Units of Service	per annual monthly bill	equiv meter per month	total monthly meter charge

In **Table 15**, BWA divided the costs allocated to "Base" by a conservative CY 2014 estimate of annual water usage (8,190,000 CCF) to derive a \$0.73 charge per CCF.

"Billing and Customer Service" costs are divided by an estimate of annual monthly bills for the year based on CY 2014 meter counts to derive a charge per monthly bill. "Meter Charges" are divided by the number of total District equivalent meters (based on a 5/8" meter) to arrive at an annual charge per meter equivalent, then divided by 12 to arrive at a per month charge.

Water Usage Estimation

Table 16

Current 5 - Tier Structure

2011 Actual Water Usage by Tier - All Customers						
Tier 1	6,573,543	85.87%				
Tier 2	525,592	6.87%				
Tier 3	244,057	3.19%				
Tier 4	127,404	1.66%				
Tier 5	<u>184,715</u>	<u>2.41%</u>				
Total	7,655,311	100.00%				

Table 17

Proposed 6 - Tier Structure

Essential Usage Tier (New Tier 1) Water Usage Calculation

Indoor allocation = GPCD * Household Size * Days per billing cycle / (748 gallons/ccf) Default Indoor Allocation = 66*4*365/12/748 10.74

Single Family Residential 2011 Estimated Water Usage - Essential Usage Tier

Approximate Indoor Usage	Indoor Usage (within 11 ccf tier)	Total SFR Usage	% Indoor Usage	Actual Water Usage - Tier 1	Est % Indoor Usage in Tier 1
11	2,789,105	5,559,923	50.16%	4,625,343	60.00%

2014 Estimated Water Usage With New Tier - All Customers						
Tier 1	4,219,605	51.52%				
Tier 2	2,813,070	34.35%				
Tier 3 (Old T2)	562,302	6.87%				
Tier 4 (Old T3)	261,103	3.19%				
Tier 5 (Old T4)	136,303	1.66%				
Tier 6 (Old T5)	<u>197,617</u>	<u>2.41%</u>				
Total	8,190,000	100.00%				

In **Table 17**, BWA estimated the amount of usage in the new recommended Tier 1 "essential usage" tier based on CY 2011 consumption data, shown in **Table 16**, and a consumption block analysis. The estimation of the new Tier 1 usage is based on the Single Family Residential customer class (a 4 person household using 66 gallons per day = 11 ccf/month). Due to the low number of variances submitted (estimated below 10%), the default indoor allocation of approximately 11 CCF per month was used to determine that an estimated 60% of usage in the current Tier 1 is indoor usage.

Table 18

Estimated 2014 Usage / 2011 Allocation					
Tier 1	7,032,675				
Tier 2	562,302				
Tier 3	261,103				
Tier 4	136,303				
Tier 5	<u>197,617</u>				
Total	8,190,000				

CY 2014 usage in each tier, shown in **Table 17**, was estimated based on the percentage usage in each tier in 2011 multiplied by total estimated 2014 usage of 8,190,000 CCF, shown in **Table 18**. The new Tier 1 "essential usage" tier is estimated at 4,219,605 CCF or 60% of 7,032,675 CCF, and the new Tier 2 is estimated at 2,813,070 CCF or 40% of 7,032,675 CCF.

Peak Factor Development

Maximum day peaking factors represent the ratio of maximum day demand to average day demand on the water system.

Palmdale Water District Approximate Max Day Demand to Average Day Demand Ratio*: 2

In **Table 19**, BWA allocated the full max day peaking factor to Tier 6 and lowered the peaking factor for each tier based the methodology that wasteful users have higher peaking. Users who stay within their essential needs receive the lowest cost water, while efficient users pay for a small portion of peaking costs. Users who exceed their efficient budget allocations pay for increasingly expensive water based on system peaking costs. These peaking factors are used in **Table 20** to allocate peaking costs of the system to each tier.

Table 19

Allocation of Maximum Day Demand Ratio to Tiers					
	% Allocation Peak				
Tier 1	0%	0			
Tier 2	2.50%	0.05			
Tier 3	37.50%	0.75			
Tier 4	62.50%	1.25			
Tier 5	75.00%	1.5			
Tier 6	100.00%	2			

*Max Day Peaking Factors have historically varied from 1.63 to 2.11 since 1990, according to the 2001 Water System Master Plan Section 3.

Palmdale Water District draft Master Plan 2008 Update Section 3, page 3-14 gives a peaking factor of 1.90 for the ratio of average day and max day demands.

Marginal Cost Allocation to Tiers

Table 20
Peaking Cost Recovery

Peaking Costs		Estimated 2014 Usage (ccf)		Peak Allocation Factor	PF Weighted by Water Use	Peak Cost % Recovered by Tier	Peak Cost Recovered	\$ per ccf
	Tier 1	4,219,605	51.5%	-	0.00	0%	-	-
	Tier 2	2,813,070	34.3%	0.05	0.02	9%	\$292,070	\$0.10
\$3,090,785	Tier 3	562,302	6.9%	0.75	0.05	28%	\$875,723	\$1.56
	Tier 4	261,103	3.2%	1.25	0.04	22%	\$677,732	\$2.60
	Tier 5	136,303	1.7%	1.50	0.02	14%	\$424,552	\$3.11
	Tier 6	197,617	2.4%	2.00	0.05	27%	\$820,708	\$4.15
	Total	8,190,000	100.0%		0.18	100%	\$3,090,785	

Table 21
Water Conservation Cost Recovery

Conservation Costs		Usage In Tier	Cost Distribution	Revenues Collected	\$ per ccf
	Tier 1	4,219,605	0%	\$0	\$0.00
	Tier 2	2,813,070	0%	\$0	\$0.00
\$413,000	Tier 3	562,302	10%	\$41,300	\$0.07
	Tier 4	261,103	15%	\$61,950	\$0.24
	Tier 5	136,303	25%	\$103,250	\$0.76
	Tier 6	197,617	<u>50%</u>	\$206,500	\$1.04
	Total	8,190,000	100.00%	\$413,000	

The commodity rates are made up of 3 components: the base rate of \$0.73 per CCF for each tier calculated in **Table 15**, a marginal cost per CCF based on peaking costs on Tier 2 through Tier 6 calculated in **Table 20**, and a water conservation marginal cost per CCF on Tier 3 through Tier 6 calculated in **Table 21**. **Table 22** shows the proposed commodity rate schedule for CY 2014.

Table 22 2014 Proposed Commodity Rate Schedule

Commodity Rates / CCF	CY 2014 Rates	Estimated Usage (ccf)
Tier 1	\$0.73	4,219,605
Tier 2	\$0.84	2,813,070
Tier 3	\$2.37	562,302
Tier 4	\$3.57	261,103
Tier 5	\$4.61	136,303
Tier 6	\$5.93	197,617

Current 2014 Rates	Difference From 2014 Rates
\$0.73	\$0.00
\$0.73	\$0.11
\$2.90	(\$0.53)
\$3.70	(\$0.13)
\$4.81	(\$0.20)
\$5.81	\$0.12

Monthly Fixed Charge Development

Table 23
2014 Proposed Meter Charge Schedule

AWWA Meter Equivalents	Meter Size	Meter Charge	CY 2014 Monthly Service Charge	Difference From CY 2014 Rates
1.00	5/8"	\$27.07	\$27.51	(\$0.44)
2.50	1"	\$52.09	\$52.26	(\$0.17)
5.00	1-1/2"	\$93.80	\$93.51	\$0.29
8.00	2"	\$143.85	\$143.03	\$0.82
15.00	3"	\$260.62	\$258.57	\$2.05
25.00	4"	\$427.44	\$423.62	\$3.82
50.00	6"	\$844.50	\$836.24	\$8.26
80.00	8"	\$1,344.96	\$1,331.38	\$13.58
115.00	10"	\$1,928.84	\$1,909.05	\$19.79

The monthly meter charge consists of the \$16.68 capacity charge per meter equivalent per month and the \$10.39 flat rate per bill for billing and customer service costs calculated in **Table 15**. Meter equivalents are increased by meter size based on the American Water Works Association recommended meter equivalents to derive the recommended CY 2014 Meter Charge Schedule in **Table 23**.

Meter Equivalents recognize that service costs per customer vary due to the system investment required based on capacity of the meter. For example, a 1-1/2" meter has equivalent capacity related costs to five 5/8" meters, according to AWWA.

1" and Below Meter Charge Development

Table 24

Meter Type	Number of Meters	# of Monthly Bills	Meter Equivalents
5/8"	21,733	260,796	21,733
1"	4,384	52,608	10,960
Total	26,117	313,404	32,693

Annual Cost Allocation		Cost Per Bill	Cost Per Meter Per Month	Total Charge
Customer Service Costs	\$3,255,742	\$10.39	\$20.88	\$31.27
Meter Capacity Costs	\$6,544,695			
Total Costs	\$9,800,437			

Table 24 shows the calculation of meter charges. 1" and below meters represent approximately 32,693 meter equivalents. These equivalents are multiplied by the cost per meter equivalent of \$16.68 to determine \$6,544,695 should be recovered from 1" inch and below meters. In CY 2014 there were approximately 26,117 1" and below meters for a cost of \$20.88 per meter per month.

The cost per monthly bill of \$10.39 is added to the \$20.88 cost per meter per month for a total charge per meter of \$31.27.

Recommended Rate Structure Changes

Combine Meter Charges of 1" and Below Customers: BWA recommends that the District charge all customers with 1" and below meters the same fixed charge to resolve inequity due to pressure problems which cause typical 5/8" customers to purchase larger meters.

Addition of Sub Allocation Tier for all Customer Classes (New Tier 1): BWA recommends that the District implement a sub allocation tier that reflects essential water usage to further encourage water conservation for each class of customer.

Single Family Residential ("SFR"): BWA recommends SFR essential usage (New Tier 1) be based on indoor usage only.

Multi-Family ("MFR"): BWA recommends that MFR essential usage (New Tier 1) be based on a 3-year average of minimum monthly usage to reflect the lowest winter month. The average will be based on the minimum usage month of the past 3 full calendar years (January to December).

Commercial-Industrial ("CI"): BWA recommends that CI essential usage (New Tier 1) be based on a 3-year average of minimum monthly usage to reflect the lowest winter month. The average will be based on the minimum usage month of the past 3 full calendar years (January to December). Efficient usage (New Tier 2) is recommended to be based on a 3-year rolling 3-month average based on an average of the current month and surrounding two months of the past 3 full calendar years (January to December).

Irrigation Only ("IRR"): BWA recommends that IRR essential usage (New Tier 1) be based on the current outdoor usage formula with an "Essential Usage" Landscape Factor (ESLF) of .42 based on low use plants. The current landscape factor of .7 is based on moderate use plants, and is renamed "Efficient Usage Landscape Factor" (EFLF).

Other ("OTHER"): BWA recommends that OTHER essential usage (New Tier 1) be based on a 3-year average of minimum monthly usage to reflect the lowest winter month. The average will be based on the minimum usage month of the past 3 full calendar years (January to December).

Elevation Booster Surcharge: Actual pumping cost data are tracked by the District, and costs are recommended to be recovered for each elevation based on the following formula: (5 – Year Rolling Average of Actual Pumping Costs)/(Elevated Units[ccf]).

Water Quality Surcharge: Water Quality Costs are recommended to be recovered based on actual costs of Granular Activated Carbon Media and billed water usage utilizing the following formula: (5 – Year Rolling Average of GAC Media Costs) / (Billed Water Usage [ccf]).

The recommended rate structure for CY 2014 is shown in **Table 25** with the proposed formulas and variables displayed in **Table 26**.

Table 25

Palmdale Water District Proposed Rate Structure CY 2014

Water Quality Fee (\$/ccf):

5-yr moving average of (GAC costs) / (billed water usage [hcf])

User Classification

Single Family Residential "SFR" Multi Family Residential "MFR" Commercial-Industrial "CI" Irrigation Only "IRR"

Other "OTHER"

User Classification

Single Family Residential "SFR" Multi Family Residential "MFR" Commercial-Industrial "CI" Irrigation Only "IRR" Other "OTHER"

Service Charge

Water Budget Allocation - Essential Usage

Indoor Allocation

3-yr average of minimum monthly usage 3-yr average of minimum monthly usage

Essential Outdoor Allocation

3-yr average of minimum monthly usage

Water Budget Allocation - Efficient Usage

Indoor Allocation + Efficient Outdoor Allocation

3-yr moving average by month 3-yr moving 3 month average Efficient Outdoor allocation 3-yr moving average by month

∕ice Charge

1" and Below \$31.27 1-1/2" \$93.80 2" \$143.85 3" \$260.62 4" \$427.44 6" \$844.50 8" \$1,344.96 10" \$1,928.84

Commodity Rates (\$/ccf*)

Tiers	CY 2014
Tier 1	\$0.73
Tier 2	\$0.84
Tier 3	\$2.37
Tier 4	\$3.57
Tier 5	\$4.61
Tier 6	\$5.93

Elevation Booster Surcharge (\$/ccf*)

Area **CY 2014** В

Α1 5-Year Moving Average of Actual Pumping Costs A2 5-Year Moving Average of Actual Pumping Costs АЗ 5-Year Moving Average of Actual Pumping Costs

*Water use is metered in units of ccf (hundred cubic feet)

All Classes

Tier	Water Budget Allocation
Tier 1	0 - 100% Essential Usage
Tier 2	100% Essential Usage - 100% Efficient Usage
Tier 3	101-130% Efficient Usage
Tier 4	131-160% Efficient Usage
Tier 5	161-190% Efficient Usage
Tier 6	Above 191% Efficient Usage

Table 26

Proposed Formulas and Variables

Indoor Allocation = GPCD*Household Size*Days per billing cycle/(748 gallons/ccf) Essential Outdoor Allocation = (ETo/(12in))*IA*ESLF/(100ft3/1 ccf)

Efficient Outdoor Allocation = (ETo/(12in))*IA*EFLF/(100ft3/1 ccf)

Essential Landscape Factor (ESLF) = .42 (Based on low use plants)

Efficient Landscape Factor (EFLF) = .7 (Based on moderate use plants)

Residential IA Default = 50%

Irrigation IA Default = 100%

Default Household Size = 4

GPCD = 66 gallons per occupant

ESLF: Essential Landscape Factor (ESLF) is based on the water necessary to irrigate low usage plants with a Plant Factor (PF) of 0.3 and Irrigation Efficiency (IE) of .71 based on the **State of California Code of Regulations Title 23 Section § 492.4 Water Efficient Landscape Worksheet,** which states that low usage plants have a plant factor between 0 to 0.3. The Landscape Factor (LF) is equivalent to the Plant Factor (PF)/Irrigation Efficiency (IE).

EFLF: Efficient Landscape Factor (EFLF) is based on the water necessary to irrigate moderate usage plants with a Plant Factor (PF) of 0.5 and Irrigation Efficiency (IE) of .71 according to the **State of California AB 1881 Plant Factor/Irrigation Efficiency Standard**. The Landscape Factor (LF) is equivalent to the Plant Factor (PF)/Irrigation Efficiency (IE).

Multi Family Recommended Variance Process

In some cases customers in the "Multi Family" customer class may have their water budget allocation calculated based on no usage in extenuating circumstances such as renovations or foreclosures.

To resolve the issue of artificially low water budget allocations, BWA recommends District allow the customer to submit an application for variance in recorded usage for that period.

The standard calculation for "Multi Family Residential" for each month of variance will be based on the follow formula: (# of Building Units) * (GPCD * Unit Occupants * Days per Billing Cycle) / (748 gallons/ccf)

Default Unit Occupants= 4 GPCD = 66 gallons per occupant

Drought Surcharge

Revenue that is lost during mandatory cutbacks is revenue the District still requires to cover its costs whether or not water is available from the State or elsewhere. Not all fixed costs are recovered from the District's fixed charges, and the District relies upon estimated use to recover its fixed costs, which is not available during times of drought. Additionally, there are additional costs to the District during drought and mandatory cutbacks, including, but not limited to, enforcement of State mandated restrictions on customers and additional reporting to the State.

A drought surcharge is recommended based on the Board Resolution No. 09-04, which calls for 3 stages of mandatory cutbacks of 20%, 30%, and 40% of water deliveries. The rate was developed in **Table 27** by estimating the amount of variable revenue lost from lower water sales at each stage of drought, and subtracting the reduction in estimated purchased water costs from the State Water Project to determine lost revenues.

The lost revenue was divided by the amount of "nonessential" usage, or usage above the new Tier 1, to develop a per CCF drought rate for each stage. For CY 2014, BWA recommends a .45 cent surcharge on all nonessential usage for Stage 1 (20% mandatory reduction), a .77 cent surcharge for Stage 2 (30% mandatory reduction), and a \$1.19 charge for Stage 3 (40% mandatory reduction).

Drought Surcharge Calculation

Table 27

Rationing Stages to Address Water Supply Shortages

Stage No.	Policy	% Mandatory Cutback	
1	Water Rationing	20% reduction in water deliveries	
2	Water Rationing	30% reduction in water deliveries	
3	Water Rationing	40% reduction in water deliveries	

Board Resolution No. 09-04

2014 Estimated Wat	2014 Estimated Water Usage With New Tier - All Customers		Estimated Variable Revenue	
Tier 1	4,219,605	51.52%	\$0.73	\$3,080,312
Tier 2	2,813,070	34.35%	\$0.84	\$2,362,979
Tier 3	562,302	6.87%	\$2.37	\$1,332,656
Tier 4	261,103	3.19%	\$3.57	\$932,139
Tier 5	136,303	1.66%	\$4.61	\$628,355
Tier 6	197,617	2.41%	\$5.93	\$1,171,866
Total	8,190,000	100%		\$9,508,307
Non-Essential Usage	3,970,395		<u> </u>	

Stage 1 -	Stage 1 - 20% Water Delivery Cutback		Estimated Variable Revenue	
Tier 1	3,375,684	51.52%	\$0.73	\$2,464,249
Tier 2	2,250,456	34.35%	\$0.84	\$1,890,383
Tier 3	449,842	6.87%	\$2.37	\$1,066,125
Tier 4	208,883	3.19%	\$3.57	\$745,711
Tier 5	109,042	1.66%	\$4.61	\$502,684
Tier 6	158,093	<u>2.41%</u>	\$5.93	\$937,493
Total	6,552,000	100%		\$7,606,645
Non-Essential Usage	3,176,316		•	•

Stage 1 Lost Revenue
\$1,901,661
Less: SWP Cost Reductions
\$1,421,661
\$0.45
*
per ccf

Stage 2 -	Stage 2 - 30% Water Delivery Cutback		Estimated Variable Revenue	
Tier 1	2,953,724	51.52%	\$0.73	\$2,156,218
Tier 2	1,969,149	34.35%	\$0.84	\$1,654,085
Tier 3	393,612	6.87%	\$2.37	\$932,859
Tier 4	182,772	3.19%	\$3.57	\$652,497
Tier 5	95,412	1.66%	\$4.61	\$439,848
Tier 6	138,332	2.41%	\$5.93	\$820,306
Total	5,733,000	100%		\$6,655,815
Non-Essential Usage	2.779.276		•	•

Stage 2 Lost Revenue
\$2,852,492
Less: SWP Cost Reductions
\$2,132,492
\$0.77
per ccf
•

Stage 3 - 40% Water Delivery Cutback		Estimated Variable Revenue		
Tier 1	2,531,763	51.52%	\$0.73	\$1,848,187
Tier 2	1,687,842	34.35%	\$0.84	\$1,417,787
Tier 3	337,381	6.87%	\$2.37	\$799,594
Tier 4	156,662	3.19%	\$3.57	\$559,283
Tier 5	81,782	1.66%	\$4.61	\$377,013
Tier 6	118,570	2.41%	\$5.93	\$703,120
Total	4,914,000	100%		\$5,704,984
Non-Essential Usage	2,382,237			

Stage 3 Lost Revenue
\$3,803,323
Less: SWP Cost Reductions
\$2,843,323
\$1.19
per ccf

	Stage 1 Cutback	Stage 2 Cutback	Stage 3 Cutback
2014 Budgeted Water Purchases	20%	30%	40%
\$2,400,000	\$1,920,000	\$1,680,000	\$1,440,000
SWP Cost Reduction	\$480,000	\$720,000	\$960,000

SECTION 3: RECOMMENDED RATE INCREASES

Capital Improvement Program

Table 28

	2015	2016	2017	
Debt Service - New Capital Projects	-	-	1,000,000	Funds an estimated \$13.8 million in new capital projects (Based on a 5% 30-year issue)
Studies and Planning Documents	200,000	200,000	/00 0001	Documents to assist in developing long-term guidelines for the District
Replacement / New Equipment	300,000	300,000		Covers projects such as fleet, pumps, motors, and minor treatment and distribution equipment
General Projects	500,000	500,000	500 0001	Covers tank maintenance program and small facility improvement projects
Replacement Capital Projects	2,500,000	2,500,000	2,500,000	Covers water main replacement projects, well and booster rehab/replacement projects, and long term debt coverage on capital replacement funding
Annual Project Expenditures	3,500,000	3,500,000	4,500,000	

Recommended Rate Increases

After gathering input from District staff and the Board of Directors throughout the study, a plan was approved by the Board to fund the District's capital improvement program, shown in **Table 28**. The plan enables the District to obtain bond proceeds of approximately \$13.8 million in CY 2016 for new projects and approves rate increases of **5.5%**, **5.5%**, **5.5%**, **5.5%**, **5.5%**. These increases are estimated to be required from CY 2015 – CY 2019, and are projected to meet escalating District expenses, as well as the reserve target in CY 2024. The impact of these rate increases on the District's cash flow is displayed on **Table 29**.

Table 29

				1 a	DIC 27								
Palmdale Water District													
Revenues & Expenses (Cash Basis) - 2016 Bond Issue													
	Projected	Proposed	Esclation					Proi	ected				
	2013	2014	%	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
O. J. D. L.	00.050.405	010 775 511		010 775 511	00.007.100	#0.000.0F4	#0.500.504	#0.500.000	00.054.004	040.000.000	010 100 000	011010011	A45 000 07
Cash Balance	\$8,852,185	\$10,775,511		\$10,775,511	\$9,697,193	\$9,230,054	\$8,583,584	\$8,593,339	\$9,254,221	\$10,830,669	\$12,420,086	\$14,019,644	\$15,626,27
Operating Revenue	-	-		5.5%	5.5%	5.5%	5.5%	5.5%	3.0%	3.0%	3.0%	3.0%	3.0%
Wholesale Water (AVEK & LCID)	\$200,000			\$237,375	\$250,431	\$264,204	\$278,736	\$294,066	\$302,888		\$321,334	\$330,974	
Water Sales	9,135,000	9,053,000		9,550,915	10,076,215	10,630,407	11,215,080	11,831,909	12,186,866	12,552,472	12,929,046	13,316,918	13,716,425
Meter Fees	11,025,000	11,255,000		11,874,025	12,527,096	13,216,087	13,942,971	14,709,835	15,151,130	15,605,664	16,073,834	16,556,049	17,052,730
Water Quality Fees	1,650,000	1,638,000		1,687,140	1,737,754	1,789,887	1,843,583	1,898,891	1,955,858	2,014,533	2,074,969	2,137,218	2,201,335
Elevation Fees	565,000	525,000		553,875	584,338	616,477	650,383	686,154	706,739	727,941	749,779	772,272	795,441
Other	1,685,000	1,700,000	3.0%	1,751,000	1,803,530	1,857,636	1,913,365	1,970,766	2,029,889	2,090,786	2,153,509	2,218,114	2,284,658
Operating Revenue	\$24,260,000	\$24,396,000		\$25,654,330	\$26,979,365	\$28,374,698	\$29,844,118	\$31,391,621	\$32,333,369	\$33,303,370	\$34,302,471	\$35,331,546	\$36,391,492
Operating Expenses													
Rate Assistance Program	\$0	\$0	3.0%	\$150,000	\$154,500	\$159,135	\$163,909	\$168,826	\$173,891	\$179,108	\$184,481	\$190,016	\$195,716
Directors	100,500	114,500	3.0%	117,935	121,473		128,871	132,737		140,821	145,045	149,397	153,87
Administration	2,172,750	3,598,000	3.0%	2,885,375	2,971,936	3,061,094	3,152,927	3,247,515	3,344,940	3,445,289	3,548,647	3,655,107	3,764,760
Engineering	1,252,250	1,187,300	3.0%	1,222,919	1,259,607	1,297,395	1,336,317	1,376,406	1,417,698	1,460,229	1,504,036	1,549,157	1,595,632
Facilities	2,912,000	3,763,000	3.0%	3,875,890	3,992,167	4,111,932	4,235,290	4,362,348	4,493,219	4,628,015	4,766,856	4,909,861	5,057,157
Operations	5,109,000	5,173,500	3.0%	5,328,705	5,488,566	5,653,223	5,822,820	5,997,504	6,177,430	6,362,752	6,553,635	6,750,244	6,952,751
Finance	2,871,000	2,890,750	3.0%	2,977,473	3,066,797	3,158,801	3,253,565	3,351,172	3,451,707	3,555,258	3,661,916	3,771,773	3,884,926
Water Conservation	234,750	275,000	3.0%	283,250	291,748	300,500	309,515	318,800	328,364	338,215	348,362	358,813	369,577
Human Resources	186,250	273,800	3.0%	282,014	290,474	299,189	308,164	317,409	326,932	336,739	346,842	357,247	367,964
Information Technology	661,500	828,600	3.0%	853,458	879,062	905,434	932,597	960,574	989,392	1,019,073	1,049,646	1,081,135	1,113,569
Water Purchases	2.500,000	2.400.000	5.0%	2.520.000	2.646.000	2.778.300	2.917.215	3.063.076	3.216.230	3.377.041	3.545.893	3.723.188	3.909.347
	436,485	250,000		257,500	265.225	273.182	281,377	289.819	298.513	307.468	316,693	326,193	335,979
OAP Chrg (Prior Year)			3.0%			-, -		,					
Water Recovery	(750,000)	(100,000)	3.0%	(103,000)	(106,090)	(109,273)	(112,551)	(115,927)	(119,405)		(126,677)	(130,477)	(134,392
Water Quality (GAC Media) (1)	1,345,000	1,638,000	3.0%	1,687,140	1,737,754	1,789,887	1,843,583	1,898,891	1,955,858	2,014,533	2,074,969	2,137,218	2,201,335
Plant Expenditures (Includes Meter Replacements)	685,000	2,143,500	3.0%	900,000	900,000	900,000	900,000	900,000	-	-	-	-	-
General Projects	-	-	3.0%	500,000	500,000	500,000	515,000	530,450	546,364	562,754	579,637	597,026	614,937
Replacement Capital Projects			3.0%	2,500,000	2,500,000	2,500,000	2,575,000	2,652,250	2,731,818	2,813,772	2,898,185	2,985,131	3,074,685
Operating Expenses	\$19,716,485	\$24,435,950		\$26,238,659	\$26,959,218	\$27,703,915	\$28,563,598	\$29,451,850	\$29,469,668	\$30,418,082	\$31,398,165	\$32,411,028	\$33,457,823
Net Operating Income	\$4,543,515	(\$39,950)		(\$584,329)	\$20,146	\$670,783	\$1,280,520	\$1,939,770	\$2,863,702	\$2,885,288	\$2,904,306	\$2,920,517	\$2,933,669
Non-Operating Revenue													
Assessments (Debt Service) (2)	\$4,756,500		DWR Debt Service	\$3,718,000							\$3,718,000		
Assessments (1%)	1,720,314	1,600,000	SWP PMT	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380	2,336,380
Successor Agency Component (Prop Tax)	515,391	200,000	3.0%	-	-	-	-	-	-	-	-	-	-
Interest	30,000	35,000	3.0%	36,050	37,132	38,245	39,393	40,575	41,792	43,046	44,337	45,667	47,037
Market Adj. on Investments	(30,000)	(10,000)	3.0%	(10,300)	(10,609)	(10,927)	(11,255)	(11,593)	(11,941)	(12,299)	(12,668)	(13,048)	(13,439
Capital Improvement Fees	244,949	150,000	3.0%	154,500	159,135	163,909	168,826	173,891	179,108	184,481	190,016	195,716	201,587
Grants - State & Federal		485,000	3.0%	-	-	-	-	-	-			-	-
Other	175,000	185,000	3.0%	190,550	196,267	202,154	208,219	214,466	220,900	227,527	234,352	241,383	248,62
Non-Operating Revenue	\$7,412,154		0.070	\$6,425,180	\$6,436,304			\$6,471,719			\$6,510,417	\$6,524,098	\$6,538,190
Then operating nevenue	4.,	ψ. , σ . σ , σ σ σ		\$ 0,120,100	\$ 0,100,001	\$0,111,102	\$0,100,000	\$ 0,111,110	40, 10 1,200	40, 101, 100	ψο,σ.ο,	\$0,02.,000	\$ 0,000,100
Non-Operating Expenses													
Payments for State Water Project	\$2,821,029	\$2,336,380	N/A	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,380	\$2,336,38
Principal Paid on Long Term Debt	1,840,455	1,473,000	Debt Service	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000	1,473,000
Interest Paid on Long Term Debt	1,778,719	2,245,000	Debt Service	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000	2,245,000
Capital Leasing	239,557	217,500	0.0%	217,500	217,500	54,375	2,2 10,000	2,2 10,000	2,210,000	2,2 10,000	2,2 10,000		
Water Conservation	125,000	143.000	3.0%	147,290	151,709		160,948	165,776	170,749	175,872	181,148	186,583	192,18
Acquisition of PP&E	3,227,583	886,000	Capital Program	147,290	- 151,709	156,260	100,940	-	170,749	175,672	101,140	-	192,10
Studies and Planning Documents	3,221,583	886,000		200.000	200.000	200.000	206,000	212,180	218,545	225,102	231.855	238,810	245.975
			3.0%	/							. ,		
Replacement / New Equipment	-	-	3.0%	300,000	300,000	300,000	309,000	318,270	327,818	337,653	347,782	358,216	368,962
Additional Debt Service Capital Projects	*** ***		Debt Service	0	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Non-Operating Expenses	\$10,032,343	\$7,300,880		\$6,919,170	\$6,923,589	\$7,765,015	\$7,730,328	\$7,750,606	\$7,771,493	\$7,793,006	\$7,815,165	\$7,837,989	\$7,861,497
Net Non-Operating Income	(00 000 400)	(\$255,880)		(\$493,990)	(\$487,285)	(\$1,317,253)	(\$1,270,765)	(\$1,278,888)	(\$1,287,254)	(\$1,295,872)	(\$1,304,748)	(\$1,313,890)	(\$1,323,307
	(\$2,620,189)												
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(4.1.4.									
Net Income	\$1,923,326	(\$295,830)		(\$1,078,319)	(\$467,138)	(\$646,470)	\$9,755	\$660,883	\$1,576,448	\$1,589,416	\$1,599,558	\$1,606,627	\$1,610,362
		(\$295,830)		(\$1,078,319) \$9,697,193						\$1,589,416 \$12,420,086			
Cash Balance	\$1,923,326 \$10,775,511	(\$295,830) \$10,479,681		\$9,697,193	(\$467,138) \$9,230,054	\$8,583,584	\$8,593,339	\$9,254,221	\$10,830,669	\$12,420,086	\$14,019,644	\$15,626,271	
	\$1,923,326	(\$295,830) \$10,479,681			(\$467,138) \$9,230,054	\$8,583,584	\$8,593,339	\$9,254,221	\$10,830,669	\$12,420,086		\$15,626,271	\$17,236,633

⁽¹⁾ Paid for from .20 cent Water Quality Charge
(2) Assessments set based on DWR state water project costs.
(3) "Net water revenues' (revenues including assessments less O&M) must be equal to one hundred and ten percent (110%) of debt service and (100%) of policy cost.
(4) Reserve target is currently \$16.2 million

Meter Revenue Projection

Table 30

A. Meter Charges	% Increase	5.5%	5.5%	5.5%	5.5%	5.5%
Meter Size	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
1" and Below	\$31.27	\$32.99	\$34.80	\$36.71	\$38.73	\$40.86
1.5"	93.80	98.96	104.40	110.14	116.20	122.59
2"	143.85	151.76	160.11	168.92	178.21	188.01
3"	260.62	274.95	290.07	306.02	322.85	340.61
4"	427.44	450.95	475.75	501.92	529.53	558.65
6"	844.50	890.95	939.95	991.65	1,046.19	1,103.73
8"	1,344.96	1,418.93	1,496.97	1,579.30	1,666.16	1,757.80
10"	1,928.84	2,034.93	2,146.85	2,264.93	2,389.50	2,520.92

B. Meter Growth	% Meter Growth	0.50%	0.50%	0.50%	0.50%	0.50%
Meter Size	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
1" and Below	26,117	26,248	26,379	26,511	26,644	26,777
1.5"	306	308	310	312	314	316
2"	336	338	340	342	344	346
3"	7	7	7	7	7	7
4"	41	41	41	41	41	41
6"	8	8	8	8	8	8
8"	0	0	0	0	0	0
10"	4	4	4	4	4	4
Total	26,819	26,954	27,089	27,225	27,362	27,499

C. Est. Meter Revenue						
Meter Size	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
1" and Below	\$816,679	\$865,922	\$917,989	\$973,219	\$1,031,922	\$1,094,108
1.5"	28,703	30,480	32,364	34,364	36,487	38,738
2"	48,334	51,295	54,437	57,771	61,304	65,051
3"	1,824	1,925	2,030	2,142	2,260	2,384
4"	17,525	18,489	19,506	20,579	21,711	22,905
6"	6,756	7,128	7,520	7,933	8,370	8,830
8"	0	0	0	0	0	0
10"	<u>7,715</u>	8,140	8,587	9,060	9,558	10,084
Monthly Totals	\$927,536	\$983,377	\$1,042,434	\$1,105,067	\$1,171,611	\$1,242,101
Annual Revenue	\$11,130,429	\$11,800,524	\$12,509,206	\$13,260,803	\$14,059,336	\$14,905,207
Difference From Cashflow	-\$124,571	-\$73,501	-\$17,890	\$44,716	\$116,365	\$195,372

Table 30 shows the projected meter charges, meter growth, and meter revenues from the proposed rate increases. BWA estimates conservative meter growth of 0.5% per year to avoid over estimating revenues. Growth in new housing development remains flat in recent years due to the economic downturn, and it is unclear when growth will return to historical levels.

Commodity Revenue Projection

Table 31

D. Commodity Rates	%Increase	5.5%	5.5%	5.5%	5.5%	5.5%
	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
Tier 1	\$0.73	\$0.77	\$0.81	\$0.85	\$0.90	\$0.95
Tier 2	\$0.84	\$0.89	\$0.94	\$0.99	\$1.04	\$1.10
Tier 3	\$2.37	\$2.50	\$2.64	\$2.79	\$2.94	\$3.10
Tier 4	\$3.57	\$3.77	\$3.98	\$4.20	\$4.43	\$4.67
Tier 5	\$4.61	\$4.86	\$5.13	\$5.41	\$5.71	\$6.02
Tier 6	\$5.93	\$6.26	\$6.60	\$6.96	\$7.34	\$7.74

E. Water Usage	% Increase	0.0%	0.0%	0.0%	0.0%	0.0%
	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
Tier 1	4,219,605	4,219,605	4,219,605	4,219,605	4,219,605	4,219,605
Tier 2	2,813,070	2,813,070	2,813,070	2,813,070	2,813,070	2,813,070
Tier 3	562,302	562,302	562,302	562,302	562,302	562,302
Tier 4	261,103	261,103	261,103	261,103	261,103	261,103
Tier 5	136,303	136,303	136,303	136,303	136,303	136,303
Tier 6	197,617	197,617	197,617	197,617	197,617	197,617
Total	8,190,000	8,190,000	8,190,000	8,190,000	8,190,000	8,190,000

F. Est. Commodity Revenue						
	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
Tier 1	\$3,080,312	\$3,249,096	\$3,417,880	\$3,586,664	\$3,797,645	\$4,008,625
Tier 2	2,362,979	2,503,632	2,644,286	2,784,939	2,925,593	3,094,377
Tier 3	1,332,656	1,405,756	1,484,478	1,568,823	1,653,169	1,743,137
Tier 4	932,139	984,359	1,039,191	1,096,634	1,156,688	1,219,352
Tier 5	628,355	662,431	699,232	737,397	778,288	820,542
Tier 6	1,171,866	1,237,079	1,304,269	1,375,411	1,450,505	1,529,552
Total	\$9,508,307	\$10,042,353	\$10,589,336	\$11,149,869	\$11,761,887	\$12,415,585
Difference From Cashflow	\$455,307	\$491,438	\$513,121	\$519,462	\$546,807	\$583,676

Table 31 shows the proposed commodity rates and projected water usage and commodity revenues under the proposed rate increases. BWA forecasts 0% growth in water usage due to the addition of the new sub allocation tier (Tier 1) to further encourage water conservation, and due to level annual water usage in recent years.

5-Year Drought Rate Surcharge

Table 32
Drought Surcharges

Stage No.	Policy	% Shortage		Drou	ight Surch	arge per CCI	=*	
			CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
1	Water Rationing	20% reduction in water deliveries	\$0.45	\$0.47	\$0.50	\$0.53	\$0.56	\$0.59
2	Water Rationing	30% reduction in water deliveries	\$0.77	\$0.81	\$0.86	\$0.90	\$0.95	\$1.01
3	Water Rationing	40% reduction in water deliveries	\$1.19	\$1.26	\$1.33	\$1.41	\$1.49	\$1.57

^{*}Charged to usage above Tier 1

Table 32 shows the recommended drought surcharges over five years. Drought rate increases from 2015-2019 were calculated based on approved rate increases, projected purchased water costs, and level annual water usage. The drought surcharge will only apply to nonessential usage (usage in Tiers 2-6.)

Table 33

Sample Bill Impacts: Single Family

SFR User	CCF	Meter Size(s)	Meter Charge
June	20	1	\$32.99
			\$0.00
	June		
ETO	8.77	12	Inches/ft
	3500		ft3 /1 ccf
Sqr Footage Area Factor	50%	100	113 / 1 (()
Landscape Factor Household Size	70% 4		
iouserioid Size	-		
Outdoor Allocation	8.95		
ndoor Allocation	10.74		
Tier 1	0.00 - 10.74	Indoor	
Tier 2	10.74 - 19.69	Indoor Indoor + Outdoor	
Tier 3	19.69 - 25.59	130%	
Tier 4	25.59 - 31.50	160%	
Tier 5	31.50 - 37.41	190%	
Tier 6	> 37.41	>191%	
Commodity Rate			
<u> </u>	Rate	Usage (CCF)	
Tier 1	\$0.77	10.74	\$8.27
Tier 2	\$0.89	8.95	\$7.97
Tier 3	\$2.50	0.31	\$0.78
Tier 4	\$3.77	0.00	\$0.00
Tier 5	\$4.86	0.00	\$0.00
Tier 6	\$6.26	0.00	\$0.00
Monthly Service Charge		20.00	\$32.99
Total Monthly Service Charge Total Bill:	tion CV 2014	20.00	\$17.01 \$32.99 \$50.00
Monthly Service Charge	tion CY 2014	20.00	\$32.99
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User	CCF	Meter Sizes	\$32.99 \$50.00 Meter Charge
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User		Meter Sizes	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User	CCF	Meter Sizes	\$32.99 \$50.00 Meter Charge
Monthly Service Charge <u>Fotal Bill:</u> SFR Current Rates Calculat SFR User June	CCF	Meter Sizes	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor	CCF 20 19.69	Meter Sizes 1 0	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor	CCF 20 19.69 0.00 - 19.69	Meter Sizes 1 0	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: SFR Current Rates Calculate SFR User June Indoor + Outdoor Tier 1 Tier 2	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59	Meter Sizes 1 0 Indoor + Outdoor 130%	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50	Meter Sizes 1 0 Indoor + Outdoor 130% 160%	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59	Meter Sizes 1 0 Indoor + Outdoor 130%	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190%	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191%	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF)	\$32.9\$ \$50.00 Meter Charge \$52.26 \$0.00
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69	\$32.9\$ \$50.00 Meter Charge \$52.26 \$0.00
Monthly Service Charge Fotal Bill: SFR Current Rates Calculate SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31	\$32.98 \$50.00 Meter Charge \$52.26 \$0.00 \$14.37 \$0.90
Monthly Service Charge Total Bill: SFR Current Rates Calculate SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00	\$32.95 \$50.00 Meter Charge \$52.26 \$0.00
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00	\$32.95 \$50.00 Meter Charge \$52.26 \$0.00 \$14.37 \$0.90 \$0.90 \$0.90 \$0.00
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 4 Tier 5 Commodity Rate Tier 2 Tier 2 Tier 3 Tier 4 Tier 5	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$32.98 \$50.00 Meter Charge \$52.26 \$0.00 \$14.37 \$0.90 \$0.00 \$0.00
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00	\$32.99 \$50.00 Meter Charge \$52.26
Monthly Service Charge Total Bill: SFR Current Rates Calculat SFR User June Indoor + Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$32.98 \$50.00 Meter Charge \$52.26 \$0.00 \$14.37 \$0.90 \$0.00 \$0.00
Monthly Service Charge Fotal Bill: SFR Current Rates Calculate SFR User June Indoor + Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fier 1 Fier 5 Fier 6 Fier 7 Fier 7 Fier 7 Fier 7 Fier 7 Fier 5 Fier 7 Fier 5 Fotal	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$32.98 \$50.00 Meter Charge \$52.26 \$0.00 \$14.33 \$0.99 \$0.00 \$15.26
Monthly Service Charge Fotal Bill: SFR Current Rates Calculate SFR User June Indoor + Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate Monthly Service Charge	CCF 20 19.69 0.00 - 19.69 19.69 - 25.59 25.59 - 31.50 31.50 - 37.41 > 37.41 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Indoor + Outdoor 130% 160% 190% >191% Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$32.95 \$50.00 Meter Charge \$52.26 \$0.00 \$14.33 \$0.90 \$0.90 \$0.00 \$15.26

	ation CY 2015		
SFR User	CCF	Meter Size(s)	Meter Charge
June	20	5/8	\$32.99
ounc	20	3/0	\$0.00
			ψ0.00
	June		
ETO	8.77	12	Inches/ft
Sqr Footage	3500	100 1	ft3 /1 ccf
Area Factor	50%		
Landscape Factor	70%		
Household Size	4		
Outdoor Allocation	8.95		
Indoor Allocation	10.74		
Tier 1	0.00 - 10.74	Indoor	
Tier 2	10.74 - 19.69	Indoor + Outdoor	
Tier 3	19.69 - 25.59	130%	
Tier 4	25.59 - 31.50	160%	
Tier 5	31.50 - 37.41	190%	
Tier 6	> 37.41	>191%	
nei o	237.41	>19176	
Commodity Rate	5 .	U (00E)	
T4	Rate	Usage (CCF)	A 0.27
Tier 1	\$0.77	10.74	\$8.27
Tier 2	\$0.89	8.95	\$7.97
Tier 3	\$2.50	0.31	\$0.78
Tier 4	\$3.77	0.00	\$0.00
Tier 5	\$4.86	0.00	\$0.00
Tier 6	\$6.26	0.00	\$0.00
Total		20.00	\$17.01
Monthly Service Charge			\$32.99
Total Bill:			<u>\$50.00</u>
SFR Current Rates Calculat	ion CY 2014		
SFR User	CCF	Meter Sizes	Meter Charge
June	20	5/8	\$27.51
		0	\$0.00
Indoor + Outdoor	19.69		
Tier 1	0.00 - 19.69	Indoor + Outdoor	
Tier 2	19.69 - 25.59	130%	
Tier 3	25.59 - 31.50	160%	
Tier 4	31.50 - 37.41	190%	
Tier 5	> 37.41	>191%	
1		/131/0	
Commodity Rate		213176	
Commodity Rate	Rata		
-	Rate \$0.73	Usage (CCF)	\$1 <i>4</i> 27
Tier 1	\$0.73	Usage (CCF) 19.69	\$14.37 \$0.90
Tier 1 Tier 2	\$0.73 \$2.90	Usage (CCF) 19.69 0.31	\$0.90
Tier 1 Tier 2 Tier 3	\$0.73 \$2.90 \$3.70	Usage (CCF) 19.69 0.31 0.00	\$0.90 \$0.00
Tier 1 Tier 2 Tier 3 Tier 4	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00	\$0.90 \$0.00 \$0.00
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	\$0.73 \$2.90 \$3.70	Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$0.90 \$0.00 \$0.00 \$0.00
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00	\$0.90 \$0.00 \$0.00 \$0.00 \$15.28
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$0.90 \$0.00 \$0.00 \$0.00 \$15.28
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$0.90 \$0.00
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total Monthly Service Charge Total Bill:	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$0.90 \$0.00 \$0.00 \$0.00 \$15.28 \$27.51
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total Monthly Service Charge	\$0.73 \$2.90 \$3.70 \$4.81	Usage (CCF) 19.69 0.31 0.00 0.00 0.00	\$0.90 \$0.00 \$0.00 \$0.00 \$15.28

Table 34

Sample Bill Impacts: Multi Family

MFR User	CCF	Meter Size(s)	Meter Charge
June	120	1	\$32.99 \$0.00
	Location Class Annual Minimum Mo	onthly Usage	
3 Year Average:		75.00	
3 Year Average:	Location Class Average Monthl	y Usage 120.00	
Tier 1	0.00 - 75.00	Min Mo 3 Yr Avg	
Tier 2	75.00 - 120.00	Mo 3 Yr Avg	
Tier 3	120.00 - 156.00	130%	
Tier 4	156.00 - 192.00	160%	
Tier 5	192.00 - 228.00	190%	
Tier 6	> 228.00	>191%	
Commodity Rate	Rate	Usage (CCF)	
Tier 1	\$0.77	75.00	\$57.75
Tier 2	\$0.89	45.00	\$40.05
Tier 3	\$2.50	0.00	\$0.00
Tier 4	\$3.77	0.00	\$0.00
Tier 5	\$4.86	0.00	\$0.00
Tier 6	\$6.26	0.00	\$0.00
Total	ψ0.20	120.00	\$97.80
Total Bill:			\$32.99 \$130.79
Total Bill:	Iculation CY 2014		<u>\$130.79</u>
Total Bill: MFR Current Rates Ca MFR User		Meter Sizes 1 0	·
Total Bill: MFR Current Rates Ca MFR User June	Iculation CY 2014	1 0	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average:	CCF 120 Location Class Average Monthl 120.00	1 0 ly Usage	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average:	CCF 120 Location Class Average Monthl 120.00	1 0 l y Usage Mo 3 Yr Avg	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00	1 0 I y Usage Mo 3 Yr Avg 130%	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00	1 0 Vy Usage Mo 3 Yr Avg 130% 160%	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00	1 0 I y Usage Mo 3 Yr Avg 130%	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00	1 0 y Usage Mo 3 Yr Avg 130% 160% 190%	\$130.79 Meter Charge \$52.26
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00	1 0 y Usage Mo 3 Yr Avg 130% 160% 190%	\$130.79 Meter Charge \$52.26
Interpretation of the property	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00	\$130.79 Meter Charge \$52.26 \$0.00
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90	1 0 0 1 0 1 0 1 0 1 0 1 1 0 1 1 1 1 1 1	\$130.79 Meter Charge \$52.26 \$0.00
Fotal Bill: MFR Current Rates Ca MFR User June 8 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00	\$130.79 Meter Charge \$52.26 \$0.00
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$0.00
Fotal Bill: MFR Current Rates Ca MFR User June B Year Average: Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Commodity Rate	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$0.00 \$0.00
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 2 Tier 2 Tier 2 Tier 3 Tier 4 Tier 5	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$0.00 \$0.00
Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 4 Tier 5 Tier 5 Tier 6 Tier 7 Tier 7 Tier 7 Tier 7 Tier 7 Tier 7 Total	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70 \$4.81 \$5.81	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$87.60
MFR Current Rates Ca MFR User June 3 Year Average: Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Commodity Rate Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Filer 5 Filer 5 Filer 6 Filer 7 Filer 7 Filer 7 Filer 8 Filer 8 Filer 9 Filer 9 Filer 9 Filer 9 Filer 9 Filer 1 Filer 5 Fotal	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70 \$4.81 \$5.81	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$0.00 \$87.60 \$52.26
Monthly Service Charge Total Bill: MFR Current Rates Ca MFR User June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total Monthly Service Charge Total Bill: Difference in Bills	CCF 120 Location Class Average Monthl 120.00 0.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.73 \$2.90 \$3.70 \$4.81 \$5.81	1 0 0 y Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 120.00 0.00 0.00 0.00 0.00 0.00	\$130.79 Meter Charge \$52.26 \$0.00 \$87.60 \$0.00 \$0.00 \$0.00

3 Year Average:	CCF 120 n Class Annual Minimum Mo ation Class Average Monthl 0.00 - 75.00 75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86 \$6.26	75.00	\$98. \$90. \$0. \$57: \$40. \$0.
Loc 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 3 Tier 6 Total Monthly Service Charge	0.00 - 75.00 75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	75.00 y Usage 120.00 Min Mo 3 Yr Avg Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$57. \$40. \$0.
Loc 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 3 Tier 6 Total Monthly Service Charge	0.00 - 75.00 75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	75.00 y Usage 120.00 Min Mo 3 Yr Avg Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Loc 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	0.00 - 75.00 75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	y Usage 120.00	\$40. \$0. \$0.
3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	0.00 - 75.00 75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	120.00 Min Mo 3 Yr Avg Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	Min Mo 3 Yr Avg Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	75.00 - 120.00 120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 3 Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	120.00 - 156.00 156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	130% 160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00	\$40. \$0. \$0.
Tier 4 Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	156.00 - 192.00 192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	160% 190% >191% Usage (CCF) 75.00 45.00 0.00 0.00	\$40. \$0. \$0.
Tier 5 Tier 6 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	192.00 - 228.00 > 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	190% >191% Usage (CCF) 75.00 45.00 0.00 0.00	\$40. \$0. \$0.
Commodity Rate	> 228.00 Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	>191% Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	Rate \$0.77 \$0.89 \$2.50 \$3.77 \$4.86	Usage (CCF) 75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 1 Tier 2 Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	\$0.77 \$0.89 \$2.50 \$3.77 \$4.86	75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	\$0.77 \$0.89 \$2.50 \$3.77 \$4.86	75.00 45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 2 Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	\$0.89 \$2.50 \$3.77 \$4.86	45.00 0.00 0.00 0.00	\$40. \$0. \$0.
Tier 3 Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	\$2.50 \$3.77 \$4.86	0.00 0.00 0.00	\$0. \$0.
Tier 4 Tier 5 Tier 6 Total Monthly Service Charge	\$3.77 \$4.86	0.00 0.00	\$0.
Tier 5 Tier 6 Total Monthly Service Charge	\$4.86	0.00	
Tier 6 Total Monthly Service Charge			A-
Total Monthly Service Charge	\$6.26	0.00	\$0.
Monthly Service Charge		0.00	\$0.
		120.00	\$97.
Total Bill			\$98.
Total Bill.			<u>\$196.</u>
MFR Current Rates Calculation C	Y 2014		
MFR User	CCF	Meter Sizes	Meter Charg
June	120	1.5	\$93.
• • • • • • • • • • • • • • • • • • • •		0	\$0.
Loc	ation Class Average Monthl	v Usane	
3 Year Average:	120.00	y cargo	
Tier 1	0.00 - 120.00	Mo 3 Yr Avg	
Tier 2	120.00 - 156.00	130%	
Tier 3	156.00 - 192.00	160%	
Tier 4	192.00 - 228.00	190%	
Tier 5	> 228.00	>191%	
Commodity Rate			
-	Rate	Usage (CCF)	
Tier 1	\$0.73	120.00	\$87.
Tier 2	\$2.90	0.00	\$0.
Tier 3	\$3.70	0.00	\$0. \$0.
	4		
Tier 4	\$4.81	0.00	\$0.
	\$5.81	0.00	\$0.
		400.00	A
Tier 5 Total		120.00	\$87.
		120.00	\$87. \$93.

Table 35

Sample Bill Impacts: Irrigation

Irrigation Proposed Rates Ca	ilculation C1 2015		
Irrigation User	CCF	Meter Size(s)	Meter Charge
June	103	1	\$32.99
			\$0.00
	June		
то	8.77	12 I	nches/ft
Sqr Footage	20000		t3 /1 ccf
Area Factor	100%		
ESLF	42%		
EFLF	70%		
Essential Outdoor	61.39		
Efficient Outdoor	102.32		
Tier 1	0.00 - 61.39	Essential Outdoor	
Tier 2	61.39 - 102.32	Efficient Outdoor	
Fier 3	102.32 - 133.01	130%	
Tier 4	133.01 - 163.71	160%	
Tier 5	163.71 - 194.40	190%	
Tier 6	> 194.40	>191%	
Commodity Rate			
Tier 1	Rate \$0.77	Usage (CCF) 61.39	\$47.27
Tier 2	\$0.89	40.93	\$36.42
Tier 3	\$2.50	0.68	\$1.71
Tier 4	\$3.77	0.00	\$0.00
Tier 5	\$4.86	0.00	\$0.00
Tier 6	\$6.26	0.00	\$0.00
Total		103.00	\$85.40
Monthly Service Charge		100.00	\$32.99 \$118.39
Monthly Service Charge	sulation CY 2014	100.00	\$32.99
Monthly Service Charge Total Bill: Trigation Current Rates Calc			\$32.99 <u>\$118.39</u>
Monthly Service Charge <u>Fotal Bill:</u> rrigation Current Rates Calc rrigation User	CCF	Meter Sizes	\$32.99 \$118.39 Meter Charge
Monthly Service Charge			\$32.99 <u>\$118.39</u>
Monthly Service Charge <u>Fotal Bill:</u> Irrigation Current Rates Calc Irrigation User	CCF	Meter Sizes	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June	CCF	Meter Sizes	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Total Bill: Irrigation Current Rates Calc Irrigation User June Efficient Outdoor	CCF 103	Meter Sizes 1 0	\$32.99 \$118.39 Meter Charge \$52.20
Monthly Service Charge Total Bill: Irrigation Current Rates Calc Irrigation User June Efficient Outdoor	CCF 103 102.32	Meter Sizes	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Ger 1 Ger 2	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01	Meter Sizes 1 0 Efficient Outdoor 130%	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Ger 1 Ger 2 Ger 3	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71	Meter Sizes 1 0 Efficient Outdoor 130% 160%	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Total Bill: Irrigation Current Rates Calc Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01	Meter Sizes 1 0 Efficient Outdoor 130%	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40	Meter Sizes 1 0 Efficient Outdoor 130% 160%	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191%	\$32.96 \$118.36 Meter Charge \$52.26
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF)	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68	\$32.98 \$118.38 Meter Charge \$52.26 \$0.00
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Ger 1 Ger 2 Ger 3 Ger 4 Ger 5 Commodity Rate Ger 1 Ger 1 Ger 2 Ger 3	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00 \$74.66 \$1.96 \$1.96
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Ger 1 Ger 2 Ger 3 Ger 4 Ger 5 Commodity Rate Ger 1 Ger 2 Ger 3 Ger 4	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00 \$74.66 \$1.96 \$0.00 \$0.00
Monthly Service Charge Total Bill: Irrigation Current Rates Calc Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 3 Tier 4 Tier 5 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00 \$74.66 \$1.96 \$1.96
Monthly Service Charge <u>Fotal Bill:</u> Irrigation Current Rates Calc Irrigation User	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$118.30 \$118.30 Meter Charge \$52.20 \$0.00 \$74.60 \$1.90 \$0.00 \$0.00 \$0.00
Monthly Service Charge Total Bill: Irrigation Current Rates Calc Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$74.66 \$1.90 \$52.20 \$0.00
Monthly Service Charge Fotal Bill: rrigation Current Rates Calc rrigation User June Efficient Outdoor Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fotal Monthly Service Charge	CCF 103 102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 >194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$32.96 \$118.36 Meter Charge \$52.26 \$0.00 \$74.66 \$1.96 \$0.00 \$0.00 \$76.66

Irrigation User June	CCF 103	Meter Size(s) 1.5	Meter Charg \$98.9
Julie	103	1.5	\$0.0
FT0	June 0.77	40	lu ab a a/ft
ETO	8.77		Inches/ft
Sqr Footage	20000	100	ft3 /1 ccf
Area Factor	100%		
ESLF EFLF	42% 70%		
Essential Outdoor	61.39 102.32		
Efficient Outdoor	102.32		
Tier 1	0.00 - 61.39	Essential Outdoor	
Tier 2	61.39 - 102.32	Efficient Outdoor	
Tier 3	102.32 - 133.01	130%	
Tier 4	133.01 - 163.71	160%	
Tier 5	163.71 - 194.40	190%	
Tier 6	> 194.40	>191%	
nor o	> 134.40	>15170	
Commodity Rate	Rate	Usage (CCF)	
Tier 1	\$0.77	61.39	\$47.2
Tier 2	\$0.89	40.93	\$36.
Tier 3	\$2.50	0.68	\$1.7
Tier 4	\$3.77	0.00	\$0.0
Tier 5	\$4.86	0.00	\$0.0
Tier 6	\$6.26	0.00	\$0.0
Hel 6	⊅ 0.∠0		
Total Monthly Service Charge Total Bill:		103.00	\$85.4 \$98.9
			\$85.4 \$98.9
Monthly Service Charge			\$85.4 \$98.9 \$184.3
Monthly Service Charge Total Bill: Irrigation Current Rates Ca	alculation CY 2014	103.00	\$85.4 \$98.5 \$184.3 Meter Charg \$93.3
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June	alculation CY 2014 CCF 103	Meter Sizes	\$85.4 \$98.5 \$184.3 Meter Charg \$93.3
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User	alculation CY 2014 CCF	Meter Sizes	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June	alculation CY 2014 CCF 103	Meter Sizes	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor	CCF 103	Meter Sizes 1.5 0	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor	alculation CY 2014 CCF 103 102.32 0.00 - 102.32	Meter Sizes 1.5 0	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2	alculation CY 2014 CCF 103 102.32 0.00 - 102.32 102.32 - 133.01	Meter Sizes 1.5 0 Efficient Outdoor 130%	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71	Meter Sizes 1.5 0 Efficient Outdoor 130% 160%	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190%	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190%	\$85. \$98. <u>\$184.</u> Meter Charg \$93.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191%	\$85. \$98. \$184. Meter Charg \$93. \$0.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40 Rate \$0.73 \$2.90	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68	\$85. \$98. \$184. Meter Charg \$93. \$0.0
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32	\$85. \$98. \$184. Meter Charg \$93. \$0.0
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40 Rate \$0.73 \$2.90	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68	\$85. \$98. \$184. Meter Charg \$93. \$0. \$74. \$1. \$1. \$0.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 2 Tier 3 Tier 4 Tier 5	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 > 194.40 Rate \$0.73 \$2.90 \$3.70	### Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00	\$85. \$98. \$184. Meter Charg \$93. \$0. \$74. \$1. \$1. \$0.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	### Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00	\$85. \$98. \$184. Meter Charg \$93. \$0. \$74. \$1: \$0. \$0.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$85. \$98. \$184. Meter Charges \$93. \$0. \$74. \$1. \$0. \$0. \$76.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$85. \$98. \$184. Meter Chars \$93. \$0. \$74. \$1. \$0.0 \$0.0 \$76.
Monthly Service Charge Total Bill: Irrigation Current Rates Ca Irrigation User June Efficient Outdoor Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Total Monthly Service Charge	102.32 0.00 - 102.32 102.32 - 133.01 133.01 - 163.71 163.71 - 194.40 Rate \$0.73 \$2.90 \$3.70 \$4.81	Meter Sizes 1.5 0 Efficient Outdoor 130% 160% 190% >191% Usage (CCF) 102.32 0.68 0.00 0.00 0.00	\$85.4 \$98.5 \$184.3 Meter Charg \$93.5 \$0.0 \$74.6 \$1.5 \$0.0 \$0.0 \$0.0 \$93.5 \$170.1

Table 36

Sample Bill Impacts: Commercial/Industrial

Commercial	CCF	Meter Size(s)	Meter Charge
June	400	4	\$450.95 \$32.99
			ψ 52. 33
3 Year Average:	Location Class Annual Minimum I	Monthly Usage 320.00	
real Average.		020.00	
3 Year 3 Month Average:	Location Class Average Mont	thly Usage 400.00	
Tier 1	0.00 .000.00	Mir Ma Q Va Avra	
Tier 2	0.00 - 320.00 320.00 - 400.00	Min Mo 3 Yr Avg Mo 3 Yr 3 Mo Avg	
Tier 3		•	
	400.00 - 520.00	130%	
Tier 4	520.00 - 640.00	160%	
Tier 5	640.00 - 760.00	190%	
Tier 6	> 760.00	>191%	
Commodity Rate	_		
Tier 1	Rate \$0.77	Usage (CCF) 320.00	\$246.40
Tier 2	\$0.77	80.00	\$71.20
Tier 2			
	\$2.50	0.00	\$0.00
Tier 4	\$3.77	0.00	\$0.00
Tier 5	\$4.86	0.00	\$0.00
Tier 6	\$6.26	0.00	\$0.00
Total .		400.00	\$317.60
Monthly Service Charge Total Bill: Commercial Current Rate	s Calculation CY 2014		\$483.94 \$801.54
Total Bill: Commercial Current Rate			<u>\$801.54</u>
Total Bill: Commercial Current Rate Commercial	CCF	Meter Sizes	\$801.54
Total Bill:		Meter Sizes 4 1	\$801.54 Meter Charge \$423.62
Total Bill: Commercial Current Rate Commercial	CCF 400	4 1	\$801.54 Meter Charge \$423.62
Total Bill: Commercial Current Rate Commercial June	CCF	4 1	\$801.54 Meter Charge \$423.62
Total Bill: Commercial Current Rate Commercial June 3 Year Average:	CCF 400 Location Class Average Mont 400	4 1 hly Usage	\$801.50 Meter Charge \$423.60
Total Bill: Commercial Current Rate Commercial June 3 Year Average:	CCF 400 Location Class Average Mont 400 0.00 - 400.00	4 1 thly Usage Mo 3 Yr Avg	\$801.50 Meter Charge \$423.60
Total Bill: Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00	4 1 thly Usage Mo 3 Yr Avg 130%	\$801.50 Meter Charge \$423.60
Commercial Current Rate Commercial June 8 Year Average: Gier 1 Gier 2 Gier 3	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00	4 1 Ithly Usage Mo 3 Yr Avg 130% 160%	\$801.50 Meter Charge \$423.60
Fotal Bill: Commercial Current Rate Commercial June B Year Average: Gier 1 Gier 2 Gier 3 Gier 4	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190%	\$801.50 Meter Charge \$423.60
Total Bill: Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00	4 1 Ithly Usage Mo 3 Yr Avg 130% 160%	\$801.50 Meter Charge \$423.60
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190%	\$801.54 Meter Charge \$423.62
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191%	\$801.52 Meter Charge \$423.62 \$52.26
Commercial Current Rate Commercial June 8 Year Average: Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Commodity Rate	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00	\$801.52 Meter Charge \$423.62 \$52.26
Commercial Current Rate Commercial June 8 Year Average: Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Commodity Rate	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191%	\$801.52 Meter Charge \$423.62 \$52.26
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00	\$801.52 Meter Charge \$423.62 \$52.26
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 5	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90	4 1 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00 0.00	\$801.52 Meter Charge \$423.62 \$52.26 \$292.00 \$0.00 \$0.00
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 5 Commodity Rate Fier 1 Fier 2 Fier 2 Fier 3 Fier 4 Fier 5 Fier 5 Fier 6 Fier 7	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	4 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00 0.00 0.00	\$801.52 Meter Charge \$423.62 \$52.26 \$50.00 \$0.00 \$0.00
Total Bill: Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90 \$3.70	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u>\$801.54</u>
Total Bill: Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Commodity Rate Fier 1 Fier 2 Fier 3 Fier 1 Fier 3 Fier 3 Fier 4 Fier 5 Fier 1 Fier 5 Fier 3 Fier 4 Fier 5 Fier 3 Fier 4 Fier 5 Fier 3 Fier 5 Fier 5 Fier 6 Fier 7 Fier 7	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	4 1 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00 0.00 0.00 0.00 0.00	\$801.52 Meter Charge \$423.62 \$52.26 \$292.00 \$0.00 \$0.00 \$0.00
Commercial Current Rate Commercial June 3 Year Average: Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Filer 1 Filer 2 Filer 3 Filer 4 Filer 5 Filer 6 Filer 7 Filer 7 Filer 8 Filer 8 Filer 9 Filer 9 Filer 9 Filer 9 Filer 1 Filer 9 Filer 1 Filer 1 Filer 1 Filer 2 Filer 3 Filer 3 Filer 3 Filer 4 Filer 5	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	4 1 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00 0.00 0.00 0.00 0.00	\$292.00 \$0.00 \$0.00 \$0.00 \$0.00 \$292.00
Commercial Current Rate Commercial June B Year Average: Ger 1 Ger 2 Ger 4 Ger 5 Commodity Rate Ger 1 Ger 2 Ger 3 Ger 4 Ger 5 Commodity Rate	CCF 400 Location Class Average Mont 400 0.00 - 400.00 400.00 - 520.00 520.00 - 640.00 640.00 - 760.00 > 760.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	4 1 1 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 400.00 0.00 0.00 0.00 0.00	\$292.00 \$292.00 \$3.00 \$3.00 \$3.00 \$3.00 \$475.80

Commercial June	CCF	Meter Size(s)	Meter Charg
June	150	1.5	\$98.9 \$0.0
	Location Class Annual Minimum	Monthly Usage	
3 Year Average:		120.00	
	Location Class Average Mon		
3 Year 3 Month Average:		150.00	
Tier 1	0.00 - 120.00	Min Mo 3 Yr Avg	
Tier 2	120.00 - 150.00	Mo 3 Yr 3 Mo Avg	
Tier 3	150.00 - 195.00	130%	
Tier 4	195.00 - 240.00	160%	
Tier 5	240.00 - 285.00	190%	
Tier 6	> 285.00	>191%	
Commodity Rate			
Tier 1	Rate \$0.77	Usage (CCF) 120.00	\$92.
Tier 2	\$0.89	30.00	\$26.
Tier 3	\$2.50	0.00	\$0.
Tier 4	\$3.77	0.00	\$0.
Tier 5	\$4.86	0.00	\$0.
Tier 6	\$6.26	0.00	\$0.
Total	\$0.20	150.00	\$119.
			\$98.
Monthly Service Charge			
			Ψ30.
Total Bill:			\$218.0
	s Calculation CY 2014		• • • •
Commercial Current Rate		Meter Sizes	\$218.
	s Calculation CY 2014 CCF 150	Meter Sizes 1.5 0	\$218. Meter Charg \$93.
Commercial Current Rate	CCF 150	1.5 0	\$218.
Commercial Current Rate Commercial June	CCF	1.5 0	\$218. Meter Charg \$93.
Commercial Current Rate Commercial June 3 Year Average:	CCF 150 Location Class Average Mon 150	1.5 0 thly Usage	\$218. Meter Charges
Commercial Current Rate Commercial June 3 Year Average:	CCF 150 Location Class Average Mon 150 0.00 - 150.00	1.5 0 thly Usage Mo 3 Yr Avg	\$218. Meter Charges
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00	1.5 0 thly Usage Mo 3 Yr Avg 130%	\$218. Meter Char \$93.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00	1.5 0 thly Usage Mo 3 Yr Avg 130% 160%	\$218. Meter Char \$93.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 3 Tier 4	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00	1.5 0 thly Usage Mo 3 Yr Avg 130%	\$218. Meter Char \$93.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190%	\$218. Meter Charges
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191%	\$218. Meter Char \$93.
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fier 5 Fier 5 Fier 5 Fier 5 Fier 5 Fier 6 Fier 6 Fier 7 Fier 7 Fier 7 Fier 8 Fier 8 Fier 9 Fier 9 Fier 9 Fier 9 Fier 10 Fie	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF)	\$218. Meter Charr \$93. \$0.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00	\$218. Meter Char, \$93. \$0.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 1	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00	\$218. Meter Char; \$93. \$0. \$109. \$0.
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fier 5 Fommodity Rate	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00	\$218. Meter Char, \$93. \$0.
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Frommodity Rate Fier 1 Fier 2 Fier 2 Fier 3 Fier 4 Fier 5 Frommodity Rate	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00	\$218. Meter Char; \$93. \$0.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 1 Tier 2 Tier 3 Tier 4 Tier 5	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00 0.00	\$218. Meter Char, \$93. \$0.
Commercial Current Rate Commercial June 3 Year Average: Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fier 1 Fier 2 Fier 3 Fier 4 Fier 5 Fier 1 Fier 5 Fier 1 Fier 5 Fier 1 Fier 5 Fier 3 Fier 4 Fier 5 Fier 5 Fier 5 Fier 6 Fier 7 Fi	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00	\$109. \$109. \$109. \$0.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 4 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 4 Tier 3 Tier 4 Tier 5 Tier 3 Tier 4 Tier 5 Tier 5 Total	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00 0.00	\$109. \$109. \$109. \$0.
Commercial Current Rate Commercial June 3 Year Average: Tier 1 Tier 2 Tier 3 Tier 5 Commodity Rate Tier 1 Tier 2 Tier 3 Tier 3 Tier 4 Tier 3 Tier 4 Tier 5 Total Monthly Service Charge	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00 0.00	\$109. \$109. \$0. \$0. \$0. \$0. \$0.
Commercial Current Rate Commercial June 3 Year Average:	CCF 150 Location Class Average Mon 150 0.00 - 150.00 150.00 - 195.00 195.00 - 240.00 240.00 - 285.00 > 285.00 Rate \$0.73 \$2.90 \$3.70 \$4.81	1.5 0 thly Usage Mo 3 Yr Avg 130% 160% 190% >191% Usage (CCF) 150.00 0.00 0.00 0.00 0.00	\$218. Meter Char; \$93. \$0.

Table 37

