

# **CRESCENTA VALLEY WATER DISTRICT**

**2700 Foothill Boulevard  
La Crescenta, California**

**Agenda for the  
Special Meeting of the Board of Directors  
of the Crescenta Valley Water District**

**To be held on Tuesday, April 26, 2016 at 6:00 p.m.**

**Posted: April 22, 2016 at 3:00 pm**

## **Call to Order and Determination of Quorum**

## **Pledge of Allegiance**

## **Adoption of Agenda**

## **Action Calendar**

The public shall have an opportunity to comment on any action item as each item is considered by the Board prior to action being taken. This opportunity is non-transferable and speakers are limited to one two (2) minute comment.

1. **Proposition 218 Notices for Water and Wastewater** – Consideration and motion to approve the Proposition 218 Notices for Water and Wastewater Rates and Charges and to authorize staff to mail said notices on or before May 6, 2016.

## **Board Members Request for Future Agenda Items**

## **Adjournment**

# CRESCENTA VALLEY WATER DISTRICT

## BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

April 26, 2016

**To:** Honorable President and Members of the Board of Directors

**From:** David S. Gould, P.E. – District Engineer

**Subject:** **Proposition 218 Notification for Proposed Water and Wastewater Rates and Charges**

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### **ACTION ITEM:**

**Proposition 218 Notices for Water and Wastewater** – Consideration and motion to approve the Proposition 218 Notices for Water and Wastewater Rates and Charges and to authorize staff to mail said notices on or before May 6, 2016.

### **BACKGROUND:**

CVWD is required to notify all of its customers about proposed changes in the water and wastewater rates and charges and allow customers an opportunity to protest the proposed rate increases as outlined in the provisions of Proposition 218. This legislation states that any new fee or rate imposed by a government agency must be noticed to its stakeholders and stakeholders must have an opportunity to protest any proposed rate increase.

For CVWD to be in compliance with the provisions of Proposition 218, the following steps must be followed:

1. Staff prepares a Proposition 218 notice describing the proposed rate increase and the method for protesting. The notice is provided to the Board of Directors for discussion.
2. The Board of Directors approves the notice and directs staff to send the Proposition 218 notice to all property owners within the District's service area.
3. A 45-day Public Notice review period commences for the public to submit a written protest.
4. Any written protests are summarized and submitted to the Board of Directors after the 45-day notice period is completed.
5. A public hearing will be held to determine if a majority of property owners within the District's service area have submitted written protests. If the submissions are less than one half of the majority of property owners, then the Board of Directors can proceed with a public hearing on the proposed rate increase.

### **DISCUSSION:**

Staff is presenting the final Proposition 218 notification letters for review and discussion by the Board of Directors for both water and wastewater rates and charges (see attachments).

The Proposition 218 notification water rate and charge increase is based on an overall 6.5% water rate increase, a 3-tier water rate structure, and 25% of total revenue from the meter service charge.

The water rate notice focuses on the effects of the drought and water conservation, replacing aging infrastructure, what the District has done to reduce costs, and the updated water and wastewater cost of service study.

The wastewater rate notice is based on an overall 0% rate increase and focuses on modification of the current wastewater rate structure to a new rate structure which revised the wastewater bill to include a wastewater service charge and a variable rate based on the average winter-time water-use, which is outlined on the updated water and wastewater cost of service study.

Each Proposition 218 notice was reviewed by the Finance Committee on April 21, 2016 and includes the Committee's comments. The water and wastewater notices were also reviewed by CVWD's Legal Counsel for compliance to the requirements of Proposition 218 and were reviewed by Raftelis Financial Consultants (RFC) for coordination with the Water and Wastewater Cost of Service Study.

The content of the notice also provides the required information to the public for protesting the proposed water and wastewater rate increases.

Under the provisions of Proposition 218, water and wastewater rates which are published in the notices can be adjusted lower, but not higher.

Additional Information:

Staff has included the following tables as requested by the Finance Committee:

1. Table 1 – Single Family Water Bi-monthly Bill Summary
2. Table 2 – Single Family Wastewater Bi-Monthly Bill Summary
3. Table 3 – Sample Water & Wastewater Bill Comparison for Single Family

**SCHEDULE:**

After the final Proposition 218 notices are approved, staff will prepare the notices to be sent to property owners by May 6, 2016.

This will start the 45-day review and comment period, which will end on June 20, 2016. The comments will be tabulated and presented to the Board at a Public Hearing on June 21, 2016.

Prepared by:



David S. Gould, P.E.  
District Engineer

Submitted by:



Thomas A. Love  
General Manager

Attachments:

1. Final Proposition 218 Notification for Water Rates and Charges
2. Final Proposition 218 Notification for Wastewater Rates and Charges
3. Table 1 – Single Family Water Bi-monthly Bill Summary
4. Table 2 – Single Family Wastewater Bi-Monthly Bill Summary
5. Table 3 – Sample Water & Wastewater Bill Comparison for Single Family



## **PUBLIC NOTICE OF PROPOSED INCREASE IN WATER RATES AND CHARGES**

**Public Hearing to be held on Tuesday, June 21, 2016, at 6:00 p.m.  
2700 Foothill Blvd., La Crescenta, CA 91214**

The Crescenta Valley Water District (CVWD) is considering a water rate and charge increase for water services. **If approved, a water bill for a typical residence with a 3/4-inch meter using 14 units of water (14,000 gallons) during a two-month period, will increase by \$4.88 or 4.8%, (a monthly increase of \$2.44). This will result in a two-month bill increase from \$108.14 to \$113.02.**

**Effective Date:** If approved, the increased rates will become effective on all rates and charges on any bill where the billing period ends after July 1, 2016.

**Why is there a need for a rate increase?** Clean, reliable water is a fundamental and essential public service provided by CVWD. Most people do a good job conserving this precious resource, but still see their water bills going up. Why?

**Drought and Water Conservation:** The effects of the extended state-wide drought and less than average rainfall in the Crescenta Valley has reduced the availability of our lowest cost water supply, local groundwater, by 40%. The effect of less local groundwater results in an increase in the purchase of expensive imported water which is necessary to meet demands. Water conservation will not reduce the cost of infrastructure repair and replacement because these costs are not affected by the variations in the amount of water delivered year to year. However, water utility revenue is based on the amount of water consumed which does vary from year to year. Under the current extreme drought conditions water-use has and is expected to continue to decline which results in a revenue shortfall.

**Aging Infrastructure:** CVWD is committed to providing the highest service at the lowest possible cost for our customers. Some portions of CVWD's water distribution system are over 50 years old and are approaching, or have already reached, the end of their useful lives.

Pipes, wells, pumping plants, reservoirs, and other infrastructure necessary to provide safe, clean water ages, wears out and must be replaced before they fail. This is especially true in a hillside community like La Crescenta where, in addition to the loss of water, the consequential damages to surrounding property owners resulting from a large water line failure could amount to millions of dollars.

Each year CVWD evaluates the infrastructure needs, programs, and operations and maintenance costs of the water services for the next five years. CVWD has evaluated and identified certain facilities requiring rehabilitation or replacement, which is estimated to be \$2.8 million for FY 2016/17.

CVWD actively seeks grant funding and has received grants totaling over \$2.25 million. Grant monies are being used to study a stormwater capture system, establish another emergency water connection, construct a new water supply well and construct a new water treatment system to re-activate an existing well. In addition to these grant-funded water supply and reliability projects, there are necessary and critical infrastructure replacements needs which cost between \$2 to \$3 million per year and are funded from water sales revenues.

**What is CVWD doing to help reduce costs?** CVWD is committed to an efficient and economic operation and continuously evaluates every opportunity for expense reductions. CVWD has reduced its total annual water operation and maintenance expenses by \$240,000 from 2014 to 2016.

This year's FY 2016/17 budget for total water operation and maintenance expense is \$160,000 less than budgeted for last fiscal year. CVWD's reserve funds are established to be used to mitigate future rate increases. CVWD has used these funds from its "Rate Stabilization Reserves" in recent years and projects using additional reserve funds over the next few years. Additionally, CVWD will be utilizing its MTBE reserve fund to reduce the impact of water rate increases.

**Cost of Service Study:** In 2016, CVWD completed an updated Water and Wastewater Cost of Service Study (Rate Study) prepared by an outside consultant, which included a comprehensive cost of service analysis to equitably allocate cost based on customer classes and water-use characteristics. The proposed changes in the water rates and charges are based on this Rate Study.

Notable changes are:

1. Water use ranges for Tiers 2 and 3 have been adjusted; Tier 1 range remains unchanged
2. Tier 4 has been eliminated
3. The quantity charge for each Tier level has been adjusted
4. The water meter service charge has increased
5. Tier 1 rate has decreased
6. Tier 2 and 3 rates have increased

CVWD developed the proposed water rate structure based on the following factors and objectives:

1. Revenue sufficiency and financial stability - Proposed water rates and charges were developed to support projected operating costs of CVWD, increased capital (infrastructure) replacement costs, and to ensure sufficient funding of reserves through FY 2020/21.
2. Customer rate equity - Proposed water rates and charges were based on the Rate Study, and reflects equity of cost among the rate classes.
3. Rate impact mitigation - Proposed water rates and charges were developed to minimize the impact of the rate adjustments to CVWD's customers.
4. Legal compliance - Proposed water rates and charges comply with Proposition 218 and associated laws, and support CVWD's goal of achieving State of California's required interim and final water conservation targets.
5. Customer support - Proposed water rates and charges are clear and understandable to customers.
6. Special considerations - Proposed water rates and charges reflect the influence on costs and revenue of drought conditions, water conservation, and changes in operational costs.

By State law, CVWD may not collect more revenue than is necessary to recover the costs of providing services.

The documents supporting the water rates and charges, including the Water and Wastewater Cost of Service Study, and the FY 2016/17 Water budget, are available for review after May 6, 2016 at the CVWD's main office.

**CVWD is a Public Agency and does not operate on a for-profit basis.**

**Your Water Bill:** There are two components which make up the water portion of your CVWD bill you receive every two months.

💧 **Water Service Charge:** A portion of CVWD's overall fixed costs, which is not affected by water-use, such as: infrastructure, well rehabilitation, system maintenance, and administration.

💧 **Water Quantity Rate:** The cost per unit of water is based on a tiered rate structure. *A unit of water is 1,000 gallons.*

**Please see the current and proposed water rate and charges table on the following page for all applicable rates and charges.**

**Where Your Water Comes From:** CVWD serves its customers water from two (2) water supply sources; 1) Water supplied from a local resource which is pumped from the ground (produced) by CVWD through a series of groundwater wells located within the Verdugo Basin; 2) Water purchased from Foothill Municipal Water District (FMWD). FMWD is a water wholesaler whose primary job is to purchase water from Metropolitan Water District of Southern California (MWD) and sell it to retail agencies like CVWD. The purchased water consists of a combination of water from the California State Water Project in Northern California and from the Colorado River.

The distance the water must travel greatly increases the cost of supplying the water. CVWD's water supply purchased from FMWD is nearly three times more expensive than local groundwater.

**Public Hearing:** CVWD welcomes your comments. There will be a public hearing on the proposed change on **June 21, 2016, at 6:00 p.m.** at CVWD's main office. You may attend in person, or submit comments in writing.

**Protest Letters:** Any CVWD customer or property owner within the CVWD water service area may file a written protest of the proposed rate changes by sending a letter to: CVWD, 2700 Foothill Boulevard, La Crescenta, CA 91214. A valid protest letter must include your name, your CVWD service address, a statement of protest, and an original signature and must be received at the address above no later than **June 20, 2016 at 4:30 p.m.** Letters received prior to June 17, 2016 at noon will be included in the agenda package distributed to the Board of Directors and posted online at [www.cvwd.com](http://www.cvwd.com).

**Board Meeting:** The Board of Directors will meet on **June 28, 2016 at 7:00 p.m.** to consider the proposed change. The Board may adopt, reject, or modify the proposed rate structure, but the Board will not increase water rates and charges more than indicated in this notice.

**Questions?** Below is a table showing the proposed water rates and charges. It is also available for inspection on the CVWD website, [www.cvwd.com](http://www.cvwd.com), or at the CVWD main office between 8:00 a.m. and 4:30 p.m., Monday through Friday. CVWD staff can assist in answering any questions about your bill. If you have questions or need additional information, please call CVWD at (818) 248-3925 or e-mail [water@cvwd.com](mailto:water@cvwd.com).

## Current and Proposed Water Rates and Charges Table:

<u>Current</u>			<u>Proposed</u>		
<b><u>Usage Charge for Single Family Residence</u></b>			<b><u>Usage Charge for Single Family Residence</u></b>		
	<u>Water Use Range</u>	<u>Cost per Unit<sup>(1)</sup></u>		<u>Water Use Range</u>	<u>Cost per Unit<sup>(1)</sup></u>
Tier 1	1 - 10 Units	\$4.61	Tier 1	1 - 10 Units	\$4.39
Tier 2	11 - 25 Units	\$5.96	Tier 2	11 - 26 Units	\$6.91
Tier 3	26 - 37 Units	\$8.50	Tier 3	27 Units and above	\$10.43
Tier 4	38 Units and above	\$11.39			
<b><u>Usage Charge for Multi-Family, Commercial, Institutional, &amp; School</u></b>			<b><u>Usage Charge for Multi-Family, Commercial, Institutional, &amp; School</u></b>		
		<u>Cost per Unit<sup>(1)</sup></u>			<u>Cost per Unit<sup>(1)</sup></u>
Base Rate		\$5.96	Base Rate		\$6.22
<b><u>Usage Charge for Irrigation</u></b>			<b><u>Usage Charge for Irrigation</u></b>		
	<u>Water Use Range</u>	<u>Cost per Unit<sup>(1)</sup></u>		<u>Water Use Range</u>	<u>Cost per Unit<sup>(1)</sup></u>
Tier 1	1 - 70 Units	\$5.96	Tier 1	1 - 80 Units	\$4.32
Tier 2	71 Units and above	\$11.39	Tier 2	81 Units and above	\$9.20
<b><u>Meter Service Charge (per bi-monthly period)</u></b>			<b><u>Meter Service Charge (per bi-monthly period)</u></b>		
	<u>7/1/2015</u>	<u>7/1/2015</u>		<u>7/1/2016</u>	<u>7/1/2016</u>
<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>	<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>
3/4"	\$38.23	\$38.63	3/4"	\$41.06	\$41.46
1"	\$46.96	\$47.36	1"	\$61.25	\$61.65
1½"	\$68.56	\$68.96	1½"	\$111.73	\$112.13
2"	\$86.72	\$87.12	2"	\$172.32	\$172.72
3"	\$94.56	\$94.96	3"	\$364.16	\$364.56
4"	\$242.94	\$243.34	4"	\$646.87	\$647.27
<b><u>Private Fire Protection Service Charge (per bi-monthly period)</u></b>			<b><u>Private Fire Protection Service Charge (per bi-monthly period)</u></b>		
	<u>7/1/2015</u>	<u>7/1/2015</u>		<u>7/1/2016</u>	<u>7/1/2016</u>
<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>	<u>Meter Size</u>	<u>Within District</u>	<u>Outside District</u>
1"	\$8.00	\$8.20	1"	\$12.03	\$12.43
2"	\$11.78	\$11.98	2"	\$18.57	\$18.97
3"	\$17.58	\$17.78	3"	\$33.44	\$33.84
4"	\$23.84	\$24.04	4"	\$59.08	\$59.48
6"	\$40.99	\$41.19	6"	\$151.10	\$151.50
8"	\$62.36	\$62.56	8"	\$309.82	\$310.22
10"	\$87.08	\$87.28	10"	\$548.57	\$548.97

**Note:**

1. A unit is 1,000 gallons



## **PUBLIC NOTICE OF PROPOSED CHANGE IN WASTEWATER RATE STRUCTURE**

**Public Hearing to be held on Tuesday, June 21, 2016 at 6:00 p.m.**

**2700 Foothill Blvd, La Crescenta, CA 91214**

Crescenta Valley Water District (CVWD) is considering a change to the way it charges for wastewater service. Currently, residential users pay a fixed amount per bi-monthly bill, regardless of the amount of wastewater that they generate. This results in various people paying more for wastewater service than they do for water service. CVWD is considering changing to a method which bases a portion of the residential wastewater charge on the amount of wastewater generated. This will result in lower bills for those who use less water, and higher bills for those using more water.

CVWD does not have a way of measuring wastewater directly from a residential unit to the sewer, so to get a reasonable estimate of the amount of flow for wastewater, CVWD will base it on a customer's average water-use during the winter months (December through March). Most water during the winter is used indoors, and goes into the sewer system. Typically outdoor irrigation is minimal during the winter months.

**How will this affect your bill?** If your average wintertime water-use is less than 7 units of water for a two-month period, your bill will go down. For example, someone using 6 units of water will see their bill go down from \$60.75 to \$57.11. If your average wintertime water-use is 8 units or more, your bill will go up. For example, someone using 14 units of water will see their bill go up from \$67.50 to \$71.99. The overall amount of revenue CVWD collects in wastewater rates and charges will not change from the prior year.

CVWD will calculate your bi-monthly wastewater charge based on the previous year average winter-time water-use (i.e. your 2016 wastewater charge will be based on Dec. 2015 to Mar. 2016 average winter-time water-use) and it will remain in effect for a full year (from July 2016 to June 2017). In July of each year, your bi-monthly wastewater charge will be recalculated based on the previous year average winter's water-use.

The proposed rate structure was developed as part of a cost of service study, and reflects the cost of providing wastewater service to individual residences. If this change is adopted, the new rates and charges will go into effect for all billing periods ending after July 1, 2016.

**Non-residential accounts:** Commercial and institutional accounts will be charged based on water-use for each billing period. Commercial and institutional accounts will be charged a minimum of \$30.05 every two months if they use less than 6 units of water during that period. Irrigation accounts will not be charged a wastewater charge, since no water goes to the wastewater system. School accounts will be charged based on the average daily attendance, which is provided by Glendale Unified School District.

**Cost of Service Study:** In 2016, CVWD completed an updated Water and Wastewater Cost of Service Study (Rate Study) prepared by an outside consultant, which included a comprehensive cost of service analysis to equitably allocate cost based on customer classes and wastewater use characteristics. The proposed changes in the wastewater rates and charges are based on this Rate Study.



CVWD developed the proposed wastewater rate structure based on the following factors and objectives:

- Revenue sufficiency and financial stability - Proposed wastewater rates and charges were developed to support projected operating costs of CVWD, City of Los Angeles costs for treatment, disposal, and increased capital (infrastructure) replacement costs, and to ensure sufficient funding of reserves through FY 2020/21.
- Customer rate equity - Proposed wastewater rates and charges were based on the Rate Study, and reflects equity of cost among the rate classes.
- Rate impact mitigation - Proposed wastewater rates and charges were designed to minimize the impact of the rate adjustments to CVWD's customers.
- Legal compliance - Proposed wastewater rates and charges comply with Proposition 218 and associated laws.
- Customer support - Proposed wastewater rates and charges are clear and understandable to customers.
- Special considerations - Proposed wastewater rates and charges reflects the influence on costs and revenue for the City of Los Angeles costs for treatment, disposal and capital and changes in operational costs.

By State law, CVWD may not collect more revenue than is necessary to recover the costs of providing services.

The documents supporting the wastewater rates and charges, including the Water and Wastewater Cost of Service Study, and the FY 2016/17 Wastewater budget, are available for review after May 6, 2016 at CVWD's main office.

**CVWD is a Public agency and does not operate on a for-profit basis.**

**Where Does Your Wastewater Get Treated:** CVWD maintains and operates a wastewater collection system which transports sewage via 75 miles of pipelines to the Los Angeles/Glendale Reclamation Plant located near the 5 and 134 freeways. Also, a portion of CVWD's wastewater is treated at the City of Los Angeles's Hyperion Water Reclamation Plant located in El Segundo. CVWD has a contract with the City of Los Angeles Bureau of Sanitation to provide treatment and disposal of wastewater.

**Public Hearing:** CVWD welcomes your comments. There will be a public hearing on the proposed change on **June 21, 2016, at 6:00 p.m.** at CVWD's main office. You may attend in person, or submit comments in writing.

**Protest Letters:** Any CVWD customer or property owner within the CVWD wastewater service area may file a written protest of the proposed rate changes by sending a letter to: CVWD, 2700 Foothill Boulevard, La Crescenta, CA 91214. A valid protest letter must include your name, your CVWD service address, a statement of protest, and an original signature and must be received at the address above no later than **June 20, 2016 at 4:30 p.m.** Letters received prior to **June 17, 2016** at noon will be included in the agenda package distributed to the Board of Directors and posted online at [www.cvwd.com](http://www.cvwd.com).

**Board Meeting:** The Board of Directors will meet on **June 28, 2016 at 7:00 p.m.** to consider the proposed change. The Board may adopt, reject, or modify the proposed rate structure, but the Board will not increase wastewater rates and charges more than indicated in this notice.

**Questions?** Below is a table showing the proposed wastewater rates and charges. It is also available for inspection on the CVWD website, [www.cvwd.com](http://www.cvwd.com), or at the CVWD main office between 8:00 a.m. and 4:30 p.m., Monday through Friday. CVWD staff can assist in answering any questions about your bill. If you have questions or need additional information, please call us at (818) 248-3925 or e-mail [wastewater@cvwd.com](mailto:wastewater@cvwd.com).

## Current and Proposed Wastewater Rates and Charges Table:

<b>Current</b>		<b>Proposed</b>	
<b>Customer Class</b>	<b>Charges &amp; Rates</b>	<b>Customer Class</b>	<b>Charges &amp; Rates</b>
<b>Single Family Residence</b>		<b>Single Family Residence</b>	
Bi-Monthly Service Charge	\$67.50	Bi-Monthly Service Charge	\$45.95
		Quantity Rate (per unit <sup>(1)</sup> ; up to 20 units per bi-monthly period & based on prior year avg. winter water use)	\$1.86
<b>Multi Family Residence</b>		<b>Multi Family Residence</b>	
Bi-Monthly Service Charge (per EDU <sup>(2)</sup> )	\$67.50	Bi-Monthly Service Charge (per EDU <sup>(2)</sup> )	\$30.05
		Quantity Rate (per unit <sup>(1)</sup> ; up to 15 units per bi-monthly period & based on prior year avg. winter water use)	\$2.07
<b>Commercial/Institutional</b>		<b>Commercial/Institutional</b>	
Customer Charge	\$2.10	Customer Charge	\$0.00
Quantity Rate (per unit <sup>(1)</sup> )	\$5.50	Quantity Rate (per unit <sup>(1)</sup> )	\$4.90
Minimum Charge (If uses 12 units or less per bi-monthly period)	\$67.50	Minimum Charge (If uses 6 units or less per bi-monthly period)	\$30.05
<b>School</b>		<b>School</b>	
<b>Elementary School</b>		<b>Elementary School</b>	
Customer Charge	\$2.10	Customer Charge	\$0.00
Quantity Charge per 100 ADA <sup>(3)</sup>	\$81.00	Quantity Charge per 100 ADA <sup>(3)</sup>	\$81.60
<b>Middle School</b>		<b>Middle School</b>	
Customer Charge	\$2.10	Customer Charge	\$0.00
Quantity Charge per 100 ADA <sup>(3)</sup>	\$162.10	Quantity Charge per 100 ADA <sup>(3)</sup>	\$163.20
<b>High School</b>		<b>High School</b>	
Customer Charge	\$2.10	Customer Charge	\$0.00
Quantity Charge per 100 ADA <sup>(3)</sup>	\$162.10	Quantity Charge per 100 ADA <sup>(3)</sup>	\$244.80

**Notes:**

- (1) A unit is 1,000 gallons
- (2) EDU - Equivalent Dwelling Unit
- (3) ADA - Average Daily Attendance

**Table 1:  
Single Family Water Bi-monthly Bill Summary  
Meter Size - 3/4-inch  
Overall - 6.5% Water Rate increase  
3 Tier Rate Structure  
25% of Revenue in Meter Service Charge**

Bi-monthly Usage	Current Bi-monthly Meter Service Charge	Current Water Usage Charge Rate	Current Water Usage Charge	Current Water Bill	New Bi-monthly Meter Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Effective Percentage Increase on Bi-Monthly Water Bill
0	\$38.20	\$4.61	\$0.00	\$38.20	\$41.48	\$4.39	\$0.00	\$41.48	\$3.28	8.6%
1	\$38.20	\$4.61	\$4.61	\$42.81	\$41.48	\$4.39	\$4.39	\$45.87	\$3.06	7.1%
2	\$38.20	\$4.61	\$9.22	\$47.42	\$41.48	\$4.39	\$8.78	\$50.26	\$2.84	6.0%
3	\$38.20	\$4.61	\$13.83	\$52.03	\$41.48	\$4.39	\$13.17	\$54.65	\$2.62	5.0%
4	\$38.20	\$4.61	\$18.44	\$56.64	\$41.48	\$4.39	\$17.56	\$59.04	\$2.40	4.2%
5	\$38.20	\$4.61	\$23.05	\$61.25	\$41.48	\$4.39	\$21.95	\$63.43	\$2.18	3.6%
6	\$38.20	\$4.61	\$27.66	\$65.86	\$41.48	\$4.39	\$26.34	\$67.82	\$1.96	3.0%
7	\$38.20	\$4.61	\$32.27	\$70.47	\$41.48	\$4.39	\$30.73	\$72.21	\$1.74	2.5%
8	\$38.20	\$4.61	\$36.88	\$75.08	\$41.48	\$4.39	\$35.12	\$76.60	\$1.52	2.0%
9	\$38.20	\$4.61	\$41.49	\$79.69	\$41.48	\$4.39	\$39.51	\$80.99	\$1.30	1.6%
10	\$38.20	\$4.61	\$46.10	\$84.30	\$41.48	\$4.39	\$43.90	\$85.38	\$1.08	1.3%
11	\$38.20	\$5.96	\$52.06	\$90.26	\$41.48	\$6.91	\$50.81	\$92.29	\$2.03	2.2%
12	\$38.20	\$5.96	\$58.02	\$96.22	\$41.48	\$6.91	\$57.72	\$99.20	\$2.98	3.1%
13	\$38.20	\$5.96	\$63.98	\$102.18	\$41.48	\$6.91	\$64.63	\$106.11	\$3.93	3.8%
14	\$38.20	\$5.96	\$69.94	\$108.14	\$41.48	\$6.91	\$71.54	\$113.02	\$4.88	4.5%
15	\$38.20	\$5.96	\$75.90	\$114.10	\$41.48	\$6.91	\$78.45	\$119.93	\$5.83	5.1%
16	\$38.20	\$5.96	\$81.86	\$120.06	\$41.48	\$6.91	\$85.36	\$126.84	\$6.78	5.6%
17	\$38.20	\$5.96	\$87.82	\$126.02	\$41.48	\$6.91	\$92.27	\$133.75	\$7.73	6.1%
18	\$38.20	\$5.96	\$93.78	\$131.98	\$41.48	\$6.91	\$99.18	\$140.66	\$8.68	6.6%
19	\$38.20	\$5.96	\$99.74	\$137.94	\$41.48	\$6.91	\$106.09	\$147.57	\$9.63	7.0%
20	\$38.20	\$5.96	\$105.70	\$143.90	\$41.48	\$6.91	\$113.00	\$154.48	\$10.58	7.4%
21	\$38.20	\$5.96	\$111.66	\$149.86	\$41.48	\$6.91	\$119.91	\$161.39	\$11.53	7.7%
22	\$38.20	\$5.96	\$117.62	\$155.82	\$41.48	\$6.91	\$126.82	\$168.30	\$12.48	8.0%
23	\$38.20	\$5.96	\$123.58	\$161.78	\$41.48	\$6.91	\$133.73	\$175.21	\$13.43	8.3%
24	\$38.20	\$5.96	\$129.54	\$167.74	\$41.48	\$6.91	\$140.64	\$182.12	\$14.38	8.6%
25	\$38.20	\$5.96	\$135.50	\$173.70	\$41.48	\$6.91	\$147.55	\$189.03	\$15.33	8.8%
26	\$38.20	\$8.50	\$144.00	\$182.20	\$41.48	\$6.91	\$154.46	\$195.94	\$13.74	7.5%
27	\$38.20	\$8.50	\$152.50	\$190.70	\$41.48	\$10.43	\$164.89	\$206.37	\$15.67	8.2%
28	\$38.20	\$8.50	\$161.00	\$199.20	\$41.48	\$10.43	\$175.32	\$216.80	\$17.60	8.8%
29	\$38.20	\$8.50	\$169.50	\$207.70	\$41.48	\$10.43	\$185.75	\$227.23	\$19.53	9.4%
30	\$38.20	\$8.50	\$178.00	\$216.20	\$41.48	\$10.43	\$196.18	\$237.66	\$21.46	9.9%
31	\$38.20	\$8.50	\$186.50	\$224.70	\$41.48	\$10.43	\$206.61	\$248.09	\$23.39	10.4%
32	\$38.20	\$8.50	\$195.00	\$233.20	\$41.48	\$10.43	\$217.04	\$258.52	\$25.32	10.9%
33	\$38.20	\$8.50	\$203.50	\$241.70	\$41.48	\$10.43	\$227.47	\$268.95	\$27.25	11.3%
34	\$38.20	\$8.50	\$212.00	\$250.20	\$41.48	\$10.43	\$237.90	\$279.38	\$29.18	11.7%
35	\$38.20	\$8.50	\$220.50	\$258.70	\$41.48	\$10.43	\$248.33	\$289.81	\$31.11	12.0%
36	\$38.20	\$8.50	\$229.00	\$267.20	\$41.48	\$10.43	\$258.76	\$300.24	\$33.04	12.4%
37	\$38.20	\$8.50	\$237.50	\$275.70	\$41.48	\$10.43	\$269.19	\$310.67	\$34.97	12.7%

**Table 1:  
Single Family Water Bi-monthly Bill Summary  
Meter Size - 3/4-inch  
Overall - 6.5% Water Rate increase  
3 Tier Rate Structure  
25% of Revenue in Meter Service Charge**

Bi-monthly Usage	Current Bi-monthly Meter Service Charge	Current Water Usage Charge Rate	Current Water Usage Charge	Current Water Bill	New Bi-monthly Meter Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Effective Percentage Increase on Bi-Monthly Water Bill
38	\$38.20	\$11.39	\$248.89	\$287.09	\$41.48	\$10.43	\$279.62	\$321.10	\$34.01	11.8%
39	\$38.20	\$11.39	\$260.28	\$298.48	\$41.48	\$10.43	\$290.05	\$331.53	\$33.05	11.1%
40	\$38.20	\$11.39	\$271.67	\$309.87	\$41.48	\$10.43	\$300.48	\$341.96	\$32.09	10.4%
41	\$38.20	\$11.39	\$283.06	\$321.26	\$41.48	\$10.43	\$310.91	\$352.39	\$31.13	9.7%
42	\$38.20	\$11.39	\$294.45	\$332.65	\$41.48	\$10.43	\$321.34	\$362.82	\$30.17	9.1%
43	\$38.20	\$11.39	\$305.84	\$344.04	\$41.48	\$10.43	\$331.77	\$373.25	\$29.21	8.5%
44	\$38.20	\$11.39	\$317.23	\$355.43	\$41.48	\$10.43	\$342.20	\$383.68	\$28.25	7.9%
45	\$38.20	\$11.39	\$328.62	\$366.82	\$41.48	\$10.43	\$352.63	\$394.11	\$27.29	7.4%
46	\$38.20	\$11.39	\$340.01	\$378.21	\$41.48	\$10.43	\$363.06	\$404.54	\$26.33	7.0%
47	\$38.20	\$11.39	\$351.40	\$389.60	\$41.48	\$10.43	\$373.49	\$414.97	\$25.37	6.5%
48	\$38.20	\$11.39	\$362.79	\$400.99	\$41.48	\$10.43	\$383.92	\$425.40	\$24.41	6.1%
49	\$38.20	\$11.39	\$374.18	\$412.38	\$41.48	\$10.43	\$394.35	\$435.83	\$23.45	5.7%
50	\$38.20	\$11.39	\$385.57	\$423.77	\$41.48	\$10.43	\$404.78	\$446.26	\$22.49	5.3%
51	\$38.20	\$11.39	\$396.96	\$435.16	\$41.48	\$10.43	\$415.21	\$456.69	\$21.53	4.9%
52	\$38.20	\$11.39	\$408.35	\$446.55	\$41.48	\$10.43	\$425.64	\$467.12	\$20.57	4.6%
53	\$38.20	\$11.39	\$419.74	\$457.94	\$41.48	\$10.43	\$436.07	\$477.55	\$19.61	4.3%
54	\$38.20	\$11.39	\$431.13	\$469.33	\$41.48	\$10.43	\$446.50	\$487.98	\$18.65	4.0%
55	\$38.20	\$11.39	\$442.52	\$480.72	\$41.48	\$10.43	\$456.93	\$498.41	\$17.69	3.7%
56	\$38.20	\$11.39	\$453.91	\$492.11	\$41.48	\$10.43	\$467.36	\$508.84	\$16.73	3.4%
57	\$38.20	\$11.39	\$465.30	\$503.50	\$41.48	\$10.43	\$477.79	\$519.27	\$15.77	3.1%
58	\$38.20	\$11.39	\$476.69	\$514.89	\$41.48	\$10.43	\$488.22	\$529.70	\$14.81	2.9%
59	\$38.20	\$11.39	\$488.08	\$526.28	\$41.48	\$10.43	\$498.65	\$540.13	\$13.85	2.6%
60	\$38.20	\$11.39	\$499.47	\$537.67	\$41.48	\$10.43	\$509.08	\$550.56	\$12.89	2.4%
61	\$38.20	\$11.39	\$510.86	\$549.06	\$41.48	\$10.43	\$519.51	\$560.99	\$11.93	2.2%
62	\$38.20	\$11.39	\$522.25	\$560.45	\$41.48	\$10.43	\$529.94	\$571.42	\$10.97	2.0%
63	\$38.20	\$11.39	\$533.64	\$571.84	\$41.48	\$10.43	\$540.37	\$581.85	\$10.01	1.8%
64	\$38.20	\$11.39	\$545.03	\$583.23	\$41.48	\$10.43	\$550.80	\$592.28	\$9.05	1.6%
65	\$38.20	\$11.39	\$556.42	\$594.62	\$41.48	\$10.43	\$561.23	\$602.71	\$8.09	1.4%
66	\$38.20	\$11.39	\$567.81	\$606.01	\$41.48	\$10.43	\$571.66	\$613.14	\$7.13	1.2%
67	\$38.20	\$11.39	\$579.20	\$617.40	\$41.48	\$10.43	\$582.09	\$623.57	\$6.17	1.0%
68	\$38.20	\$11.39	\$590.59	\$628.79	\$41.48	\$10.43	\$592.52	\$634.00	\$5.21	0.8%
69	\$38.20	\$11.39	\$601.98	\$640.18	\$41.48	\$10.43	\$602.95	\$644.43	\$4.25	0.7%
70	\$38.20	\$11.39	\$613.37	\$651.57	\$41.48	\$10.43	\$613.38	\$654.86	\$3.29	0.5%
71	\$38.20	\$11.39	\$624.76	\$662.96	\$41.48	\$10.43	\$623.81	\$665.29	\$2.33	0.4%
72	\$38.20	\$11.39	\$636.15	\$674.35	\$41.48	\$10.43	\$634.24	\$675.72	\$1.37	0.2%
73	\$38.20	\$11.39	\$647.54	\$685.74	\$41.48	\$10.43	\$644.67	\$686.15	\$0.41	0.1%
74	\$38.20	\$11.39	\$658.93	\$697.13	\$41.48	\$10.43	\$655.10	\$696.58	(\$0.55)	-0.1%
75	\$38.20	\$11.39	\$670.32	\$708.52	\$41.48	\$10.43	\$665.53	\$707.01	(\$1.51)	-0.2%

**Table 1:**  
**Single Family Water Bi-monthly Bill Summary**  
**Meter Size - 3/4-inch**  
**Overall - 6.5% Water Rate increase**  
**3 Tier Rate Structure**  
**25% of Revenue in Meter Service Charge**

Bi-monthly Usage	Current Bi-monthly Meter Service Charge	Current Water Usage Charge Rate	Current Water Usage Charge	Current Water Bill	New Bi-monthly Meter Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Effective Percentage Increase on Bi-Monthly Water Bill
76	\$38.20	\$11.39	\$681.71	<b>\$719.91</b>	\$41.48	\$10.43	\$675.96	<b>\$717.44</b>	<b>(\$2.47)</b>	<b>-0.3%</b>
77	\$38.20	\$11.39	\$693.10	<b>\$731.30</b>	\$41.48	\$10.43	\$686.39	<b>\$727.87</b>	<b>(\$3.43)</b>	<b>-0.5%</b>
78	\$38.20	\$11.39	\$704.49	<b>\$742.69</b>	\$41.48	\$10.43	\$696.82	<b>\$738.30</b>	<b>(\$4.39)</b>	<b>-0.6%</b>
79	\$38.20	\$11.39	\$715.88	<b>\$754.08</b>	\$41.48	\$10.43	\$707.25	<b>\$748.73</b>	<b>(\$5.35)</b>	<b>-0.7%</b>
80	\$38.20	\$11.39	\$727.27	<b>\$765.47</b>	\$41.48	\$10.43	\$717.68	<b>\$759.16</b>	<b>(\$6.31)</b>	<b>-0.8%</b>
81	\$38.20	\$11.39	\$738.66	<b>\$776.86</b>	\$41.48	\$10.43	\$728.11	<b>\$769.59</b>	<b>(\$7.27)</b>	<b>-0.9%</b>
82	\$38.20	\$11.39	\$750.05	<b>\$788.25</b>	\$41.48	\$10.43	\$738.54	<b>\$780.02</b>	<b>(\$8.23)</b>	<b>-1.0%</b>
83	\$38.20	\$11.39	\$761.44	<b>\$799.64</b>	\$41.48	\$10.43	\$748.97	<b>\$790.45</b>	<b>(\$9.19)</b>	<b>-1.1%</b>
84	\$38.20	\$11.39	\$772.83	<b>\$811.03</b>	\$41.48	\$10.43	\$759.40	<b>\$800.88</b>	<b>(\$10.15)</b>	<b>-1.3%</b>
85	\$38.20	\$11.39	\$784.22	<b>\$822.42</b>	\$41.48	\$10.43	\$769.83	<b>\$811.31</b>	<b>(\$11.11)</b>	<b>-1.4%</b>
86	\$38.20	\$11.39	\$795.61	<b>\$833.81</b>	\$41.48	\$10.43	\$780.26	<b>\$821.74</b>	<b>(\$12.07)</b>	<b>-1.4%</b>
87	\$38.20	\$11.39	\$807.00	<b>\$845.20</b>	\$41.48	\$10.43	\$790.69	<b>\$832.17</b>	<b>(\$13.03)</b>	<b>-1.5%</b>
88	\$38.20	\$11.39	\$818.39	<b>\$856.59</b>	\$41.48	\$10.43	\$801.12	<b>\$842.60</b>	<b>(\$13.99)</b>	<b>-1.6%</b>
89	\$38.20	\$11.39	\$829.78	<b>\$867.98</b>	\$41.48	\$10.43	\$811.55	<b>\$853.03</b>	<b>(\$14.95)</b>	<b>-1.7%</b>
90	\$38.20	\$11.39	\$841.17	<b>\$879.37</b>	\$41.48	\$10.43	\$821.98	<b>\$863.46</b>	<b>(\$15.91)</b>	<b>-1.8%</b>
91	\$38.20	\$11.39	\$852.56	<b>\$890.76</b>	\$41.48	\$10.43	\$832.41	<b>\$873.89</b>	<b>(\$16.87)</b>	<b>-1.9%</b>
92	\$38.20	\$11.39	\$863.95	<b>\$902.15</b>	\$41.48	\$10.43	\$842.84	<b>\$884.32</b>	<b>(\$17.83)</b>	<b>-2.0%</b>
93	\$38.20	\$11.39	\$875.34	<b>\$913.54</b>	\$41.48	\$10.43	\$853.27	<b>\$894.75</b>	<b>(\$18.79)</b>	<b>-2.1%</b>
94	\$38.20	\$11.39	\$886.73	<b>\$924.93</b>	\$41.48	\$10.43	\$863.70	<b>\$905.18</b>	<b>(\$19.75)</b>	<b>-2.1%</b>
95	\$38.20	\$11.39	\$898.12	<b>\$936.32</b>	\$41.48	\$10.43	\$874.13	<b>\$915.61</b>	<b>(\$20.71)</b>	<b>-2.2%</b>
96	\$38.20	\$11.39	\$909.51	<b>\$947.71</b>	\$41.48	\$10.43	\$884.56	<b>\$926.04</b>	<b>(\$21.67)</b>	<b>-2.3%</b>
97	\$38.20	\$11.39	\$920.90	<b>\$959.10</b>	\$41.48	\$10.43	\$894.99	<b>\$936.47</b>	<b>(\$22.63)</b>	<b>-2.4%</b>
98	\$38.20	\$11.39	\$932.29	<b>\$970.49</b>	\$41.48	\$10.43	\$905.42	<b>\$946.90</b>	<b>(\$23.59)</b>	<b>-2.4%</b>
99	\$38.20	\$11.39	\$943.68	<b>\$981.88</b>	\$41.48	\$10.43	\$915.85	<b>\$957.33</b>	<b>(\$24.55)</b>	<b>-2.5%</b>
100	\$38.20	\$11.39	\$955.07	<b>\$993.27</b>	\$41.48	\$10.43	\$926.28	<b>\$967.76</b>	<b>(\$25.51)</b>	<b>-2.6%</b>

**Table 2:  
Single Family Wastewater Bi-monthly Bill Summary  
based on Average Winter-time Water Use  
(Max. Billing Water Units in Bi-monthly Period = 20 Water Units)**

Average Winter-time Water Use (December to March)	Current Bi-monthly Wastewater Service Charge (less 10% discount for 12 units or less water use)	New Bi-monthly Waterwater Service Charge	New Wastewater Usage Flow Charge	New Wastewater Flow Charge	New Wastewater Charge	Bi-Monthly Increase or Decrease for Wastewater Bill	Effective Percentage Increase on Bi-Monthly Wastewater Bill
0	\$60.75	\$45.95	\$1.86	\$0.00	\$45.95	(\$14.80)	-24.4%
1	\$60.75	\$45.95	\$1.86	\$1.86	\$47.81	(\$12.94)	-21.3%
2	\$60.75	\$45.95	\$1.86	\$3.72	\$49.67	(\$11.08)	-18.2%
3	\$60.75	\$45.95	\$1.86	\$5.58	\$51.53	(\$9.22)	-15.2%
4	\$60.75	\$45.95	\$1.86	\$7.44	\$53.39	(\$7.36)	-12.1%
5	\$60.75	\$45.95	\$1.86	\$9.30	\$55.25	(\$5.50)	-9.1%
6	\$60.75	\$45.95	\$1.86	\$11.16	\$57.11	(\$3.64)	-6.0%
7	\$60.75	\$45.95	\$1.86	\$13.02	\$58.97	(\$1.78)	-2.9%
8	\$60.75	\$45.95	\$1.86	\$14.88	\$60.83	\$0.08	0.1%
9	\$60.75	\$45.95	\$1.86	\$16.74	\$62.69	\$1.94	3.2%
10	\$60.75	\$45.95	\$1.86	\$18.60	\$64.55	\$3.80	6.3%
11	\$60.75	\$45.95	\$1.86	\$20.46	\$66.41	\$5.66	9.3%
12	\$60.75	\$45.95	\$1.86	\$22.32	\$68.27	\$7.52	12.4%
13	\$67.50	\$45.95	\$1.86	\$24.18	\$70.13	\$2.63	3.9%
14	\$67.50	\$45.95	\$1.86	\$26.04	\$71.99	\$4.49	6.7%
15	\$67.50	\$45.95	\$1.86	\$27.90	\$73.85	\$6.35	9.4%
16	\$67.50	\$45.95	\$1.86	\$29.76	\$75.71	\$8.21	12.2%
17	\$67.50	\$45.95	\$1.86	\$31.62	\$77.57	\$10.07	14.9%
18	\$67.50	\$45.95	\$1.86	\$33.48	\$79.43	\$11.93	17.7%
19	\$67.50	\$45.95	\$1.86	\$35.34	\$81.29	\$13.79	20.4%
20	\$67.50	\$45.95	\$1.86	\$37.20	\$83.15	\$15.65	23.2%
>20	\$67.50	\$45.95	\$1.86	\$37.20	\$83.15	\$15.65	23.2%

**Table 3: Sample Water & Wastewater Bill Comparison for Single Family  
Water - Low Usage - & Wastewater - Avg. Winter Water Use**

Billing Period	WATER BILL										WASTEWATER BILL							TOTAL BILL		
	Bi-monthly Water Usage	Current Bi-monthly Water Service Charge	Current Water Usage Charge Rate	Water Usage Charge	Current Water Bill	New Bi-monthly Water Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Current Bi-monthly Wastewater Service Charge	New Bi-monthly Wastewater Service Charge	Average Winter-time Water Use (December to March)	Wastewater Usage Flow Charge	Wastewater Flow Charge	New Wastewater Charge	Bi-Monthly Increase or Decrease for Wastewater Bill	Current Total CVWD Bill	New Total CVWD Bill	Bi-Monthly Increase or Decrease for TOTAL CVWD bill
1 (Jan - Feb)	5	\$38.20	\$4.61	\$23.05	\$61.25	\$41.48	\$4.39	\$21.95	\$63.43	\$2.18	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$122.00	\$120.54	(\$1.46)
2 (Mar - Apr)	7	\$38.20	\$4.61	\$32.27	\$70.47	\$41.48	\$4.39	\$30.73	\$72.21	\$1.74	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$131.22	\$129.32	(\$1.90)
3 (May - Jun)	9	\$38.20	\$4.61	\$41.49	\$79.69	\$41.48	\$4.39	\$39.51	\$80.99	\$1.30	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$140.44	\$138.10	(\$2.34)
4 (Jul - Aug)	10	\$38.20	\$4.61	\$46.10	\$84.30	\$41.48	\$4.39	\$43.90	\$85.38	\$1.08	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$145.05	\$142.49	(\$2.56)
5 (Sept - Oct)	9	\$38.20	\$4.61	\$41.49	\$79.69	\$41.48	\$4.39	\$39.51	\$80.99	\$1.30	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$140.44	\$138.10	(\$2.34)
6 (Nov - Dec)	8	\$38.20	\$4.61	\$36.88	\$75.08	\$41.48	\$6.91	\$35.12	\$76.60	\$1.52	\$60.75	\$45.95	6	\$1.86	\$11.16	\$57.11	(\$3.64)	\$135.83	\$133.71	(\$2.12)
<b>Total</b>	<b>48</b>	<b>\$229.20</b>		<b>\$221.28</b>	<b>\$450.48</b>	<b>\$248.88</b>		<b>\$210.72</b>	<b>\$459.60</b>	<b>\$9.12</b>	<b>\$364.50</b>	<b>\$275.70</b>			<b>\$66.96</b>	<b>\$342.66</b>	<b>(\$21.84)</b>	<b>\$814.98</b>	<b>\$802.26</b>	<b>(\$12.72)</b>
								Percentage Increase/Decrease in Annual Water Bill		2.0%	Example - Calculation of Avg. Winter Water Use (December - March)				Percentage Increase/Decrease in Annual Wastewater Bill		-6.0%	Percentage Increase/Decrease in Annual Total CVWD Bill		-1.6%
											Avg. Winter Water Use (December - March)	Bill Period 6 = 7 (Previous Year)	Bill Period 1 = 5 (Billing Year)	Avg. Winter-Time = 6 (Rounded to nearest whole number)						

**Table 3: Sample Water & Wastewater Bill Comparison for Single Family  
Water - Average Usage - & Wastewater - Avg. Winter Water Use**

Billing Period	WATER BILL										WASTEWATER BILL							TOTAL BILL		
	Bi-monthly Water Usage	Current Bi-monthly Water Service Charge	Current Water Usage Charge Rate	Water Usage Charge	Current Water Bill	New Bi-monthly Water Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Current Bi-monthly Wastewater Service Charge	New Bi-monthly Wastewater Service Charge	Average Winter-time Water Use (December to March)	Wastewater Usage Flow Charge	Wastewater Flow Charge	New Wastewater Charge	Bi-Monthly Increase or Decrease for Wastewater Bill	Current Total CVWD Bill	New Total CVWD Bill	Bi-Monthly Increase or Decrease for TOTAL CVWD bill
1 (Jan - Feb)	10	\$38.20	\$4.61	\$46.10	\$84.30	\$41.48	\$4.39	\$43.90	\$85.38	\$1.08	\$60.75	\$45.95	11	\$1.86	\$20.46	\$66.41	\$5.66	\$145.05	\$151.79	\$6.74
2 (Mar - Apr)	14	\$38.20	\$5.96	\$69.94	\$108.14	\$41.48	\$6.91	\$71.54	\$113.02	\$4.88	\$67.50	\$45.95	11	\$1.86	\$20.46	\$66.41	(\$1.09)	\$175.64	\$179.43	\$3.79
3 (May - Jun)	16	\$38.20	\$5.96	\$81.86	\$120.06	\$41.48	\$6.91	\$85.36	\$126.84	\$6.78	\$67.50	\$45.95	11	\$1.86	\$20.46	\$66.41	(\$1.09)	\$187.56	\$193.25	\$5.69
4 (Jul - Aug)	15	\$38.20	\$5.96	\$75.90	\$114.10	\$41.48	\$6.91	\$78.45	\$119.93	\$5.83	\$67.50	\$45.95	11	\$1.86	\$20.46	\$66.41	(\$1.09)	\$181.60	\$186.34	\$4.74
5 (Sept - Oct)	20	\$38.20	\$5.96	\$105.70	\$143.90	\$41.48	\$6.91	\$113.00	\$154.48	\$10.58	\$67.50	\$45.95	11	\$1.86	\$20.46	\$66.41	(\$1.09)	\$211.40	\$220.89	\$9.49
6 (Nov - Dec)	22	\$38.20	\$8.50	\$117.62	\$155.82	\$41.48	\$10.43	\$126.82	\$168.30	\$12.48	\$67.50	\$45.95	11	\$1.86	\$20.46	\$66.41	(\$1.09)	\$223.32	\$234.71	\$11.39
<b>Total</b>	<b>97</b>	<b>\$229.20</b>		<b>\$497.12</b>	<b>\$726.32</b>	<b>\$248.88</b>		<b>\$519.07</b>	<b>\$767.95</b>	<b>\$41.63</b>	<b>\$398.25</b>	<b>\$275.70</b>			<b>\$122.76</b>	<b>\$398.46</b>	<b>\$0.21</b>	<b>\$1,124.57</b>	<b>\$1,166.41</b>	<b>\$41.84</b>
								Percentage Increase/Decrease in Annual Water Bill		5.7%	Example - Calculation of Avg. Winter Water Use (December - March)				Percentage Increase/Decrease in Annual Wastewater Bill		0.1%	Percentage Increase/Decrease in Annual Total CVWD Bill		3.7%
											Avg. Winter Water Use (December - March)	Bill Period 6 = 12 (Previous Year)	Bill Period 1 = 10 (Billing Year)	Avg. Winter-Time = 11 (Rounded to nearest whole number)						

**Table 3: Sample Water & Wastewater Bill Comparison for Single Family  
Water - Above Average Outdoor Usage - & Wastewater - Avg. Winter Water Use**

Billing Period	WATER BILL										WASTEWATER BILL							TOTAL BILL		
	Bi-monthly Water Usage	Current Bi-monthly Water Service Charge	Current Water Usage Charge Rate	Water Usage Charge	Current Water Bill	New Bi-monthly Water Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Current Bi-monthly Wastewater Service Charge	New Bi-monthly Wastewater Service Charge	Average Winter-time Water Use (December to March)	Wastewater Usage Flow Charge	Wastewater Flow Charge	New Wastewater Charge	Bi-Monthly Increase or Decrease for Wastewater Bill	Current Total CVWD Bill	New Total CVWD Bill	Bi-Monthly Increase or Decrease for TOTAL CVWD bill
1 (Jan - Feb)	18	\$38.20	\$5.96	\$93.78	\$131.98	\$41.48	\$6.91	\$99.18	\$140.66	\$8.68	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$199.48	\$223.81	\$24.33
2 (Mar - Apr)	23	\$38.20	\$5.96	\$123.58	\$161.78	\$41.48	\$6.91	\$133.73	\$175.21	\$13.43	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$229.28	\$258.36	\$29.08
3 (May - Jun)	34	\$38.20	\$8.50	\$212.00	\$250.20	\$41.48	\$10.43	\$237.90	\$279.38	\$29.18	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$317.70	\$362.53	\$44.83
4 (Jul - Aug)	32	\$38.20	\$8.50	\$195.00	\$233.20	\$41.48	\$10.43	\$217.04	\$258.52	\$25.32	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$300.70	\$341.67	\$40.97
5 (Sept - Oct)	36	\$38.20	\$8.50	\$229.00	\$267.20	\$41.48	\$10.43	\$258.76	\$300.24	\$33.04	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$334.70	\$383.39	\$48.69
6 (Nov - Dec)	46	\$38.20	\$11.39	\$340.01	\$378.21	\$41.48	\$10.43	\$363.06	\$404.54	\$26.33	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$445.71	\$487.69	\$41.98
<b>Total</b>	<b>189</b>	<b>\$229.20</b>		<b>\$1,193.37</b>	<b>\$1,422.57</b>	<b>\$248.88</b>		<b>\$1,309.67</b>	<b>\$1,558.55</b>	<b>\$135.98</b>	<b>\$405.00</b>	<b>\$275.70</b>			<b>\$223.20</b>	<b>\$498.90</b>	<b>\$93.90</b>	<b>\$1,827.57</b>	<b>\$2,057.45</b>	<b>\$229.88</b>
								Percentage Increase/Decrease in Annual Water Bill		9.6%	Example - Calculation of Avg. Winter Water Use (December - March)				Percentage Increase/Decrease in Annual Wastewater Bill		23.2%	Percentage Increase/Decrease in Annual Total CVWD Bill		12.6%
											Avg. Winter Water Use (December - March)	Bill Period 6 = 34 (Previous Year)	Bill Period 1 = 18 (Billing Year)	Avg. Winter-Time = 26; greater than 20; Use 20 (Rounded to nearest whole number)						

**Table 3: Sample Water & Wastewater Bill Comparison for Single Family  
Water - High Usage - & Wastewater - Avg. Winter Water Use**

Billing Period	WATER BILL										WASTEWATER BILL							TOTAL BILL		
	Bi-monthly Water Usage	Current Bi-monthly Water Service Charge	Current Water Usage Charge Rate	Water Usage Charge	Current Water Bill	New Bi-monthly Water Service Charge	New Water Usage Charge Rate	New Water Usage Charge	New Water Bill	Bi-Monthly Increase or Decrease for Water Bill	Current Bi-monthly Wastewater Service Charge	New Bi-monthly Wastewater Service Charge	Average Winter-time Water Use (December to March)	Wastewater Usage Flow Charge	Wastewater Flow Charge	New Wastewater Charge	Bi-Monthly Increase or Decrease for Wastewater Bill	Current Total CVWD Bill	New Total CVWD Bill	Bi-Monthly Increase or Decrease for TOTAL CVWD bill
1 (Jan - Feb)	32	\$38.20	\$8.50	\$195.00	\$233.20	\$41.48	\$10.43	\$217.04	\$258.52	\$25.32	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$300.70	\$341.67	\$40.97
2 (Mar - Apr)	66	\$38.20	\$11.39	\$567.81	\$606.01	\$41.48	\$10.43	\$571.66	\$613.14	\$7.13	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$673.51	\$696.29	\$22.78
3 (May - Jun)	56	\$38.20	\$11.39	\$453.91	\$492.11	\$41.48	\$10.43	\$467.36	\$508.84	\$16.73	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$559.61	\$591.99	\$32.38
4 (Jul - Aug)	32	\$38.20	\$8.50	\$195.00	\$233.20	\$41.48	\$10.43	\$217.04	\$258.52	\$25.32	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$300.70	\$341.67	\$40.97
5 (Sept - Oct)	45	\$38.20	\$11.39	\$328.62	\$366.82	\$41.48	\$10.43	\$352.63	\$394.11	\$27.29	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$434.32	\$477.26	\$42.94
6 (Nov - Dec)	62	\$38.20	\$11.39	\$522.25	\$560.45	\$41.48	\$10.43	\$529.94	\$571.42	\$10.97	\$67.50	\$45.95	20	\$1.86	\$37.20	\$83.15	\$15.65	\$627.95	\$654.57	\$26.62
<b>Total</b>	<b>293</b>	<b>\$229.20</b>		<b>\$2,262.59</b>	<b>\$2,491.79</b>	<b>\$248.88</b>		<b>\$2,355.67</b>	<b>\$2,604.55</b>	<b>\$112.76</b>	<b>\$405.00</b>	<b>\$275.70</b>			<b>\$223.20</b>	<b>\$498.90</b>	<b>\$93.90</b>	<b>\$2,896.79</b>	<b>\$3,103.45</b>	<b>\$206.66</b>
								Percentage Increase/Decrease in Annual Water Bill		4.5%	Example - Calculation of Avg. Winter Water Use (December - March)				Percentage Increase/Decrease in Annual Wastewater Bill		23.2%	Percentage Increase/Decrease in Annual Total CVWD Bill		7.1%
											Avg. Winter Water Use (December - March)	Bill Period 6 = 62 (Previous Year)	Bill Period 1 = 32 (Billing Year)	Avg. Winter-Time = 47; greater than 20; Use 20 (Rounded to nearest whole number)						