



City of La Quinta

CITY / SA / HA / FA MEETING DATE: June 16, 2015

ITEM TITLE: WATER REDUCTION STRATEGIES FOR 2015/2016

AGENDA CATEGORY:

BUSINESS SESSION:

CONSENT CALENDAR:

STUDY SESSION:

PUBLIC HEARING:

RECOMMENDED ACTION:

Provide direction to staff regarding water reduction strategies.

EXECUTIVE SUMMARY:

- The Governor has declared that the State of California is in a serious drought condition. The Coachella Valley Water District (CVWD) is required to reduce potable water use by 36 percent.
- The strategies contained in this report outline the methods to reduce water use throughout City medians, perimeters, parks, water features, and facilities over the next year.
- These strategies include a combination of immediate water reductions with turf removal and the retrofit of several water features.
- The City Council may wish to consider converting City facilities to Colorado River Water and/or revising landscape development standards for new development in order to reduce future potable water demand.

FISCAL IMPACT:

The City's Capital Improvement Program (CIP) has identified various projects starting in Fiscal Year 2015/2016 that will involve turf and landscape conversion. These projects total \$2,247,000.

BACKGROUND/ANALYSIS:

What has been done?

Over the last three years, the City has reduced water use and, where possible, replaced turf with desert landscapes. The parkways at the Civic Center Campus and Fire Station 70 have been converted at an estimated water savings of 1,622,840 gallons per year. Since 2013, the City no longer over seeds parks or retention basins except at Civic Center Campus and Fritz Burns Park since both facilities are rented for special events. La Quinta Park is not over seeded primarily due to the heavy year-round use that prevents the fields from being taken out of service. Since CVWD's request for a voluntary 25 percent reduction in water use in September 2014, the City no longer waters landscaping during the day and has ensured all water leaks are repaired within 24 hours. More detailed information on what the City has accomplished via parks and facilities projects is provided as Attachment 1.

What is required by the State of California and CVWD?

Generally, Governor Brown mandated a 25 percent reduction in potable water use statewide. Specifically, CVWD is required to reduce potable water consumption by 36 percent by February 2016. On May 12, 2015, CVWD passed an ordinance (Attachment 2) imposing mandatory restrictions on water use such as prohibiting watering of ornamental turf in medians and drought penalties for customers who fail to meet their outdoor water budget (Attachment 3).

CVWD stated that the water restrictions only apply to potable water and not to Colorado River Water, which is controlled by the federal government. CVWD staff has therefore promoted the use or substitution of Colorado River Water and recycled or reclaimed water (treated effluent from wastewater facilities) for potable water for irrigation purposes wherever possible. Colorado River Water runs through the City in the Coachella Canal from Avenue 50/Madison Street to Lake Cahuilla. No recycled water is currently available in the City; however, many old Bureau of Reclamation irrigation lines still exist under City streets that may be used for transmitting canal water if approved by CVWD.

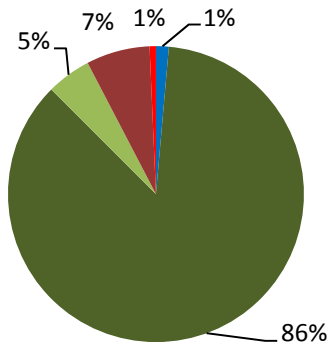
Water strategies to meet State and CVWD goals include:

1) Reduce water consumption in parks and street landscaping to budgeted amount.

This may result in loss of valuable plants, brown turf, and generally poor park and street aesthetics. Recently, staff reviewed the March 2015 data for 144 of the City's water meters. As represented in the pie chart below: 2 were rated Excellent, 124 were rated Efficient, 7 were rated Inefficient, 10 were rated Excessive, and 1 was rated Wasteful (median on Jefferson Street at Vista Grande).

Consumption Breakdown

■ Excellent ■ Efficient ■ Inefficient ■ Excessive ■ Wasteful



In order to meet the new reduced water budget, the City would have to reduce all Wasteful, Excessive, and Inefficient rated areas to 64 percent of the Efficient level. In order to do this, water would have to be cut back significantly at the following parks and facilities:

Adams Park Retention Basin
Avenida La Fonda Lot at Wellness Center
Avenida Bermudas Median at Cadiz,
Amigo & Barcelona
Retention Basins on Desert Stream Drive
Eisenhower Drive Median
Auto Center Dr. Median at Adams
Avenue 52 Median
Rancho Ocotillo Retention Basin
Calle Tampico Medians
Moon River Drive Parkway

Washington Street Median
Madison Street Median
Adams Street Median
Jefferson Street Median at Vista Grande
Miles Ave Median at Verbena
Fire Station 32, 70 & 93
City Corporate Yard
Bear Creek Bike Path
Pioneer Park
Monticello Park
La Quinta Park

Other facilities may require cut backs as well as water budgets as determined by CVWD.

Staff is implementing a water conservation strategy as follows:

- Most fountains and misters, including the fountains in the entry features on Highway 111 and at the Civic Center Campus, have been shuttered.
- The operating hours for the SilverRock Resort entry feature and the La Quinta Park water feature have been reduced.
- Irrigation times at City parks have been reduced.
- City parks, except for the Civic Center Campus Park, will not be over seeded; over seeding will occur at the Civic Center Park without additional water.

- All of the turf medians throughout the City will no longer be irrigated.

2) Convert turf to desert scape to the extent that funding is available over the next five years.

This will yield at least a 50 percent reduction in water use by going to the most efficient desert landscaping. Considering there is approximately 600,000 square feet (14 acres) of turf in the parkways and retention basins in the Lighting and Landscape District and another 2,350,000 square feet (54 acres) of turf in parks and around City facilities, this will require a significant investment by the City at \$3 to \$6 per square foot to convert to desert scape depending on the landscape palette desired.* Nevertheless, the following projects have been included in the upcoming CIP (Attachment 4):

- Civic Center Campus Parkway Turf Conversion
- Madison Street Median Landscape Conversion
- Fritz Burns Park Parkway Turf Conversion
- Fire Station 70 Turf Conversion

Additionally, up to \$500,000 per year has been recommended for turf conversion for the northern parkways and retention basins. SilverRock's golf operator is also looking to remove turf in non-use areas (areas that are available for tournament viewing and in the non-play areas). These items will be proposed within future SilverRock Resort operating budgets.

*Note: CVWD's turf conversion program may offset this cost by \$1 per square foot.

3) Look for opportunities to convert City facilities from potable water to Colorado River Water or recycled water.

With a non-potable water source as close as SilverRock Resort, there may be opportunities to convert existing City facilities from potable water. Also, CVWD plans to bring canal water to the La Quinta Resort via an existing irrigation pipeline in Calle Tampico. This may enable the City to tap into this line for irrigating the Civic Center Campus; however, in addition to installing the connection and meter in Calle Tampico, the City would also have to convert the Civic Center Campus lake into an irrigation lake so the canal water could then be pumped for landscape irrigation. Because canal water is not under pressure, irrigation lakes or reservoirs and pumping facilities must be added wherever Colorado River Water is to be used for irrigation.

4) Revise City's development standards to restrict water use of future development.

As new development projects are proposed and applications being processed, questions have surfaced as to whether additional provisions should be established focusing upon water conservation measures above and beyond current CVWD

standards and City requirements. The following represents additional measures for City Council consideration:

- Require front and rear yard desert scape design (no turf option) for model home complexes. Current requirement only addresses front yards.
- Prohibit use of turf in front yard landscaping areas for all new residential units, except custom homes.
- Require City approval of custom home landscape plans where turf is proposed for 25 percent or more of the landscape area.
- Restrict use of turf in new residential communities to functional and accessible recreational areas only.
- Prohibit turf in locations adjacent to perimeter streets and sidewalks.
- Prohibit all new water features except small fountains in public areas that are supplied by a non-potable water source, unless approved by the Planning Commission or City Council.
- Reduce turf grass coverage to no more than 25 percent of any project's total landscaped area (currently at 50 percent).

Homeowners and HOA's

Staff is committed to working with CVWD to educate residents about the current water restrictions and measures people can take to save water. Currently, CVWD informational flyers are available at City facilities as well as being posted on the City's electronic media. Code enforcement will play an important role in working directly with homeowners to understand the drought regulations.

Report prepared by: Timothy R. Jonasson, P.E.
Public Works Director/City Engineer

Report approved for submission by: Frank J. Spevacek, City Manager

Attachments: 1. Historical Background on Parks and Facilities Projects
 2. CVWD Ordinance
 3. Drought Penalty Rate Sheet
 4. CIP Water Efficiency Project List for 2015/2016

ATTACHMENT 1

Previous Projects Accomplished by the City of La Quinta Parks & Facilities | Historical Background

The City of La Quinta has been working with CVWD to be water efficient long before the Governor's current water restrictions.

The SilverRock Resort Golf Course was completed in 2005 and was required to have no more than 110 acres of turf. The golf course is 100% irrigated by canal water and the irrigation control system is the most advanced water management tool in the industry. It is the Rainbird Maxicom System that includes an on-site weather station. During winter only the playable areas (tees, greens, and fairways) are over-seeded. Even the driving range only has the tee and target greens seeded.

The City's parks are also controlled by a Maxicom System. Due to the locations of the parks throughout the City, this system is not connected to an on-site weather station because of the differing conditions within the 35 square mile area of La Quinta.

In 2008, the Parks landscape Contractor received their Water Certification through the California Landscape Contractors Association (CLCA). This Certification is designed to recognize landscape contractors who demonstrate their abilities in water conservation. To receive this Certification, the contractor managed an "efficient" water budget (using CVWD tiered rates) at three parks for one year, followed by a full audit by the California Landscape Contractors Association. Since receiving this Certification, staff has been providing the landscape contractor with copies of the monthly water bills so they can continue to monitor water efficiency. Only two landscape contractors in the Coachella Valley have a CLCA Water Certification.

In fiscal year 2010-2011, the Turf Reduction Project was completed. As a water conservation project, 73,700 square feet of turf was removed and converted to efficient desert landscapes. The sites for this project were the Civic Center Campus (43,000 square feet), the police substation (6,800 square feet), and Fire Station #70 (23,900 square feet). This project saved an estimated 1,622,840 gallons of water per year.

In addition to the Turf Reduction Project, the parks operations budget also eliminated the perimeter turf at Eisenhower Park and Velasco Park that was located between the street and the fence. A two foot border of decomposed granite was installed at Saguro Park and Monticello Park along the sidewalks and perimeter walls. Furthermore, most of the spray heads (non-rotor sprinklers) have been converted to drip and bubbler irrigation in planter areas and low volume stream nozzles in turf areas. Spray head sprinklers are less efficient because the water droplets are smaller and the application rate is higher than the soil intake rate. This results in more water loss through misting and runoff.

The current Park Landscapes Maintenance Contract requires that the Contractor be Certified in Maxicom operations as well as have a Certified Landscape Irrigation Auditor on staff. Furthermore, the current contract states that the contractor will be responsible to pay the difference in water costs for park landscapes that are not rated as either “Efficient” or “Excellent.”

ORDINANCE NO. 1419

AN ORDINANCE OF THE COACHELLA VALLEY WATER DISTRICT
IMPOSING MANDATORY RESTRICTIONS ON WATER USE IN ORDER TO COMPLY
WITH STATEWIDE DROUGHT REGULATIONS

WHEREAS, on January 17, 2014, Governor Edmund G. Brown issued a proclamation declaring a State of Emergency due to severe drought conditions; and

WHEREAS, on April 25, 2014, the Governor proclaimed a Continued State of Emergency to exist throughout the State of California due to the ongoing drought; and

WHEREAS, California's water supplies continue to be severely depleted, severe drought conditions continue to present urgent challenges, and new expedited actions are needed to reduce the harmful impacts of the drought; and

WHEREAS, on July 15, 2014, the State Water Resources Control Board ("SWRCB") adopted Resolution No. 2014-0038 which adopted Emergency Regulations For Statewide Urban Water Conservation Regulations which became effective July 28, 2014; and

WHEREAS, on March 17, 2015, the SWRCB adopted Resolution No. 2015-0013 which expanded emergency conservation regulation to safeguard the state's remaining water supplies as California enters a fourth consecutive dry year, which became effective on March 27, 2015 and remain in place for up to 270 days (9 months), unless extended by the SWRCB. The regulations are set forth in Title 23, Sections 863-865 of the California Code of Regulations; and

WHEREAS, On April 1, 2015, Governor Edmund G. Brown issued Executive Order B-29-15, effective immediately and in addition to other requirements mandates a 25% statewide reduction in urban water use, and provides that the orders in the January 17, 2014 and April 25, 2014 proclamations and Executive Orders B-26-14 and B-28-14 also remain in full force except as modified by Executive Order B-29-15. The Governor directed the SWRCB to impose restrictions to achieve the statewide 25% reduction; and

WHEREAS, on April 7, 2015, the SWRCB proposed a mandatory Regulatory Framework that apportions water reductions according to consumption. The SWRCB revised the apportionment of water reductions on April 18 and April 28th. The conservation savings for all urban water suppliers are now allocated across nine tiers of increasing levels of residential water use (R-GPCD) to reach the statewide 25 % reduction mandate. Agencies in Tier 9, including CVWD, having residential water use above 215 GPCD, must reduce water use by 36%. On May 5-6, 2015, the SWRCB is scheduled to take final action to adopt its Emergency Regulation Implementing The 25% Conservation Standard ("Regulation") which includes a prohibition against certain irrigation practices and an order that all urban water suppliers reduce their total potable water production by a defined percentage which has been applied to each urban water supplier; and

WHEREAS, the Regulation imposes certain requirements on "urban water suppliers" that have water shortage contingency plans in place. "Urban water suppliers" are defined as

suppliers providing water to over 3,000 municipal customers or providing over 3,000 acre-feet per year to municipal customers. CVWD meets the definition of an “urban water supplier” since it provides water to approximately 100,000 customers. CVWD also has a Water Supply Reliability and Water Shortage Contingency Planning document (“Plan”) in place as part of its 2010 Urban Water Management Plan; and adopted Stage 2 of its Plan in Ordinance No. 1414 on August 12, 2014; and

WHEREAS, the Regulation requires CVWD to move from Stage 2 in its Plan, to Stage 3 in order to adopt a conservation standard of 36% and also to adopt additional mandatory restrictions. The purpose of this Ordinance is to move to the mandatory level of water use reduction as mandated in Stage 3 of the Plan; and

WHEREAS, Water Code Section 31026 provides that CVWD has the power to restrict the use of water during any emergency caused by drought, or other threatened or existing water shortage, and to prohibit the wastage of water or the use of water during such periods, for any purpose other than household uses or such other restricted uses as may be determined to be necessary by CVWD and may prohibit use of such water during such periods for specific uses which CVWD may from time to time find to be nonessential. CVWD has the authority to impose monetary fines and penalties and take other applicable actions pursuant to Water Code Sections 350-358, 375-377, and 31029; and

WHEREAS, in accordance with Water Code Sections 350 et seq., 375 et seq., and 31027, and as required by Section 5.3.2 of the Plan, at least 10 days before consideration of this Ordinance, a Notice of Public Hearing was published in the Desert Sun and in the Imperial Valley Press, newspapers of general circulation. A certified copy of the full text of this Ordinance was posted in the CVWD offices at least 5 days prior to the hearing; and

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE COACHELLA VALLEY WATER DISTRICT AS FOLLOWS:

1. Incorporation of Recitals. All of the foregoing Recitals are true and correct and the Board so finds and determines. The Recitals set forth above are incorporated herein and made an operative part of this Ordinance.

2. Public Hearing. The Board conducted a public hearing on May 12th at 9:00 a.m., or as soon thereafter as practicable, at the Steve Robbins Administration Building, 75-515 Hovley Lane East, Palm Desert, CA 92236 as part of the Regular Meeting of the Board.

3. Stage 3. The Board hereby implements Stage 3 which is the second mandatory level of water use reduction in the Plan, as revised and implemented by this Ordinance. In order to set forth in one document all of the requirements for this current Stage 3, this Ordinance shall encompass the new and extended SWRCB conservation regulations effective March 17, 2015, as well as the Regulation to implement the Governor’s latest executive order. Said Regulations were adopted on May 5, 2015, and are anticipated to go into effect approximately 10 days thereafter. Therefore, as of the effective date of this Ordinance, this Ordinance shall supersede Ordinance No. 1414 and Ordinance No. 1414 shall be of no further force or effect. This Ordinance shall be in effect until such time as the SWRCB rescinds said Emergency Regulations, which is currently expected to be February 28, 2016. CVWD shall notify the public

of this determination by public proclamations. Upon such proclamation, due and proper notice shall be deemed to have been given to each and every person supplied water within CVWD.

4. Mandatory Restrictions. Effective immediately upon adoption of this Ordinance, the following mandatory prohibitions shall be in effect for Stage 3, except where necessary to address an immediate health, safety and sanitation need or to comply with a term or condition in a permit issued by a state or federal agency:

- (a) Application of any water supply to outdoor landscapes during and within 48 hours after measurable rainfall is prohibited.
- (b) Irrigation with any water of ornamental turf on public street medians is prohibited.
- (c) Irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established in the California Building Standards Commission and the Department of Housing and Community Development is prohibited.
- (d) Increased water budget for over-seeding is eliminated.
- (e) Using any water in a fountain or other decorative water feature is prohibited, except where the water is part of a recirculating system.
- (f) Broken sprinklers shall be repaired within 24 hours of notification, and leaks shall be repaired as soon as practicable.
- (g) The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased is prohibited.
- (h) Hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. Hotels and motels shall prominently display notice of this option in each guestroom using clear and easily understood language.
- (i) Applying water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures is prohibited.
- (j) Using a hose to wash an automobile, windows, solar panels, and tennis courts, except where the hose is equipped with a shut-off nozzle, is prohibited.
- (k) Applying any water to any hard surface including, but not limited to, driveways, sidewalks, and asphalt is prohibited.

5. Recommended Activities.

- (a) The irrigation and preservation of trees and shrubs is strongly encouraged.
- (b) CVWD strongly encourages Counties, Cities, HOA's and other enforcement agencies to suspend code enforcement and fines for brown turf areas.
- (c) CVWD will work with private pumpers, canal water and non-potable water users to reduce water use.
- (d) Draining and refilling of private swimming pools unless necessary for health and safety is strongly discouraged.
- (e) Use of pool covers when not in use, especially during summer months is strongly encouraged.
- (f) HOA's are strongly encouraged to adopt and enforce water use restrictions in their rules and regulations.
- (g) Over-seeding is strongly discouraged.
- (l) Planting of spray irrigated annual flower beds is strongly discouraged.
- (m) Irrigation of non-functional ornamental turf, such as parkways is strongly discouraged.
- (n) Installation of irrigation smart controllers is strongly encouraged.
- (o) Use of decorative fountains and water features is strongly discouraged.
- (p) CVWD Strongly encourages that outdoor Irrigation of ornamental landscapes and turf be limited to the hours between sunset and 10:00 a.m. except as necessary for essential turf maintenance and overseeding.

6. Fines for Noncompliance. The following financial penalties will be imposed when a customer violates the Mandatory Restrictions set forth in Section 4 of this Ordinance.

- (a) First Violation – Written notice.

Any notice required under this Ordinance may include, for example and not by way of limitation, the following information: (i) the water conservation stage and restrictions that are in effect; (ii) actions required for compliance in order to prevent future violations; and (iii) penalties and enforcement actions which may be imposed for future violations.

- (b) Second Violation – A fine will be imposed in the amount of \$50.00 which will be added to the customer's water service bill.

Any customer receiving a Second Violation, may at his or her option successfully complete CVWD Water School, in lieu of paying the \$50.00 fine.

(c) Third Violation – A fine will be imposed in the amount of \$100.00 which will be added to the customer’s water service bill.

(d) Fourth Violation and any subsequent violation – A fine will be imposed in the amount of \$200.00 which will be added to the customer’s water service bill.

In the event of any violation after the fourth violation, the General Manager, or his/her designee, may determine, in his/her reasonable discretion, that the continued violation of the restrictions set forth in this Ordinance warrant the initiation of procedures for the termination of water service pursuant to CVWD’s Regulations Governing Domestic Water Service (“Regulations”), as they may be amended from time to time. For example, and not by way of limitation, CVWD has the right to terminate water service if a customer fails to comply with the Regulations, which hereby include the restrictions set forth in this Ordinance.

7. Drought Penalties. The following Penalties will be imposed when a customer fails to limit the customer’s outdoor water budget by 36%. Penalties will be imposed in addition to normal Budget Based Tiered Rates which are in effect at the time and shall take effect as soon as possible, but no later than July 1, 2015, for June water usage. Staff is directed to pursue a one-billing-cycle shadow bill prior to July 1.

Tier 1: Excellent	Indoor budget of 10 Ccf	No Penalty
Tier 2: Efficient	With 36% less water use	No Penalty
	Without 36% less water use	\$2.51 per Ccf above reduction goal
Tier 3: Inefficient	105 – 150% of budget	\$3.34 per Ccf
Tier 4: Excessive	150 – 250% of budget	\$5.01 per Ccf
Tier 5: Wasteful	Over 250% of budget	\$10.03 per Ccf

8. CVWD Rules and Regulations. The procedures for written notice, imposition of penalties, termination of service, and appeal rights shall be the same such procedures as set forth in CVWD’s rules and regulations including, but not necessarily limited to, Part 6 – Credit and Billing and Part 7 – Termination and Restoration of Service.

9. Purpose of Restrictions and Fines. The regulatory purposes of imposing the requirements and financial penalties, as set forth in this Ordinance, are to conserve water, deter waste and unreasonable use of water, encourage efficiency, and to help cover the costs incident to the investigation, inspection, and administration of the enforcement of this Ordinance.

10. Future Stage(s). In accordance with Section 5.3.2 of the Plan, the General Manager hereby determines that it is necessary to implement Stage 3 of the Plan. The Board hereby authorizes the General Manager, or his/her designee, to make a determination as to when it may be necessary to move to a further Stage, or a lesser Stage, in the Plan. Following said determination by the General Manager, the Board will consider an ordinance, or any other applicable action, to determine whether, and to what extent, to adopt the determination of the

General Manager. Said determinations by the General Manager, and then the Board, may also include a determination that certain prohibitions in this Ordinance are best practices which should stay in effect regardless of what Stage, or any Stage, that may be in effect.


11. CEQA. The Board finds that adopting and enforcing mandatory restrictions on water use in order to comply with SWRCB requirements is exempt from the California Environmental Quality Act ("CEQA") pursuant to State CEQA Guidelines Section 15268 and Public Resources Code Section 21080(b)(1) as a ministerial action. The Regulations mandate that each urban water supplier implement all requirements and actions of the stage of its water shortage contingency plan that imposes mandatory restrictions on outdoor irrigation. Therefore, an action to implement a particular phase of a water shortage contingency plan is not a discretionary action and as such it is statutorily exempt from CEQA.

12. Publication Following Adoption. The President of the Board of Directors shall sign this Ordinance and the Secretary of the Board of Directors shall attest thereto, and this Ordinance shall be in full force and effect immediately upon adoption. Within 15 days after adoption of this Ordinance, a summary of this Ordinance shall be published with the names of the Directors voting for and against this Ordinance and a certified copy of the full text of this Ordinance, along with the names of those Directors voting for and against this Ordinance, shall be posted in the CVWD offices.

13. Severability. If any section, subsection, clause or phrase in this Ordinance is for any reason held invalid, the validity of the remainder of this Ordinance shall not be affected thereby. The Board hereby declares that it would have passed this Ordinance and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof be held invalid.

ADOPTED this 12th day of May, 2015, by the Board of Directors of the Coachella Valley Water District.

COACHELLA VALLEY WATER DISTRICT



John P. Powell Jr.
President of the Board of Directors

ATTEST:



Maricela Cabral
Acting Assistant Board Secretary

I, the undersigned Acting Assistant Board Secretary of the Coachella Valley Water District, do hereby certify that the foregoing is a true and correct copy of Ordinance No. 1419 of said District introduced and passed at meeting of said Board held May 12, 2015, and that said Ordinance was passed by the following vote:

Ayes: Five

Directors: Powell, Nelson, O'Dowd, Pack, Estrada

Noes: None

I further certify that said Ordinance was thereupon signed by the President of the Board of Directors of said District.


Acting Assistant Board Secretary

(SEAL)

Budget Based Tiered Rates with a Drought Penalty for not reducing water use 36%

	10 Ccf	\$1.01	Drought Penalty Per Ccf
Tier 1: Excellent		\$1.01	\$0
Tier 2:	With 36% less water use	\$1.12	\$0
→ Penalty	Without 36% less water use	\$1.12	\$2.51
Tier 3: Inefficient	105 – 150% of budget	\$1.68	\$3.34
Tier 4: Excessive	150 – 250% of budget	\$2.24	\$5.01
Tier 5: Wasteful	Over 250% of budget	\$4.48	\$10.03

- * Does not change Budgets and Rates within Tiers
- * Encourages reducing outdoor water use by 36%
- * In effect a month after adoption
- * A customer who uses 43Ccf would pay:
 - **Penalty = $(0.36 \times 33\text{Ccf} \times \$2.51) = \$29.82$**
 - **Total Bill = $\$47.06 + \$29.82 = \$76.88$**

ATTACHMENT 4

Fiscal Year 2015/2016 Capital Improvement Program Water Efficiency Projects

Civic Center Campus Parkway Turf Conversion – This project proposes to remove parkway turf and replace it with drought-tolerant desert landscape. The total budget for this project is \$477,000 to be paid from the General Fund Operating Budget.

Madison Street Median Landscape Conversion – The Governor’s mandate specifically prohibits watering ornamental turf in medians. The total budget for this project is \$1,300,000 to be paid from General Fund Unappropriated Reserves.

Fritz Burns Park Parkway Turf Conversion - This project proposes to remove parkway turf and replace it with drought-tolerant desert landscape. The total budget for this project is \$250,000 to be paid from General Fund Unappropriated Reserves.

Fire Station 70 Turf Conversion - This project proposes either to retrofit the existing spray irrigation with subterranean irrigation or remove the turf and replace it with drought-tolerant desert landscape. The total budget for this project is \$220,000 to be paid from the Fire Fund.