



***Annual
Water Use Efficiency
Programs Report
FY 2010/2011***

Prepared By:



***Inland Empire Utilities Agency's
Member Agencies:***



City of Chino



City of Chino Hills



City of Upland



**Cucamonga Valley
Water District**



Fontana Water Company



Monte Vista Water District



**Ontario Municipal
Utilities Co.**



San Antonio Water Company



IEUA Regional Water Use Efficiency Programs Annual Report FY 2010/2011

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Preface
IEUA Regional Water Use Efficiency Programs
Annual Report
FY 2010-2011

Water use efficiency and conservation are core fundamentals of the Inland Empire Utilities Agency's long-term water management strategy. They are essential to the Agency's mission in providing regional water supply reliability and in demonstrating good stewardship of both local and imported water supplies. The objective of the Water Use Efficiency Program is to reduce the region's need for more expensive water sources and maximize the efficient use of existing supplies.

Unlike traditional water supplies, efficient use of water reduces demand in ways that are quantified indirectly. Demand is reduced through changes in consumer behavior and savings from water-efficient fixtures like high efficiency toilets and washing machines. These water savings results are from both "active" and "code-based" conservation efforts. "Active" consists of water agency funded programs such as rebates, retrofits, and education. "Code-based" conservation consists of demand reductions attributable to conservation-oriented plumbing codes and usage reductions resulting from increases in the price of water.

Water conservation strategies have visibly changed over the past few years as a result of state and local policies that require increased water conservation and improved efficiency, technological improvements that increase water savings potential, and advancements in methods of communication that provide new opportunities to engage and educate the public. These changes create a new foundation for future water conservation efforts.

The preservation of local water resources is essential to regional sustainability and is the cornerstone in shaping current and future regional water efficiency strategies. The Agency's conservation policies and practices (long term water use efficiency business plan) are shaped largely by core strategies and programs designed to meet compliance and the requirements of the following initiatives:

- The 2010 Urban Water Management Plan completed in June 2011
- SBX 7-7 - The Water Conservation Act of 2009 (the legislation sets an overall goal of reducing per capita urban water use by 20% by December 31, 2020)
- Assembly Bill 1420 - Mandatory Demand Management Measures Statute
- Assembly Bill 1881 - Enforcement of local water efficient landscape ordinances
- The California Urban Water Conservation Council's Best Management Practices
- State grant and loan eligibility requirements
- Future water use efficiency legislation and regulation

The current suite of water efficiency programs focuses on increased efforts in landscape management and reducing outdoor water use. Programs are designed to positively impact long-term behavior regarding efficient use of water. A shift in focus from indoor water use to increased efforts outdoors includes education through landscape management training workshops, regional Home Depot plant sale events through the IE Garden Friendly Program, a voucher program for free high efficiency sprinkler nozzles, landscape evaluations and landscape retrofits which incorporate hardware and climate appropriate plant recommendations that are consistent with landscape ordinances. This is combined with the ability to initiate a comprehensive marketing, education, and outreach program which includes the combined efforts of the Agency, its members and the Chino Basin Water Conservation District.

Over the last fiscal year, there were approximately 52,351 water saving technologies distributed throughout the service area such as: high efficiency sprinkler nozzles, weather based irrigation controllers, high efficiency toilets, urinals, clothes washers, and landscape audits. The direct water savings achieved through these regional water conservation activities is estimated at 545 acre-feet per year with an average lifetime savings of 5,459 acre-feet. This new water savings is in addition to IEUA's cumulative lifetime water savings of 80,471 acre-feet for all conservation actions since 1992.

Water use trends indicate that over the last four years, demand has decreased by 37,000 acre-feet or 15% with water efficiency as a key component in reduced water use since 2007. However, other external factors such as the end of the drought and current economic conditions are also contributing factors that play a role in decreased demand. The sustained reduction in water use, as mandated by state legislation, will be met through a Regional Alliance collaboration and a continued commitment to implement cost-effective, BMP-oriented active conservation programs. New innovative methods, strategies, and technologies will be pursued that focus on addressing regional water uses.

Conservation rebates are only one element of the comprehensive water savings programs that are promoted and implemented by IEUA and its partnering agencies. IEUA sponsors many educational programs that include: the National Theatre for Children (reaching 50 elementary schools and approximately 25,000 students, teachers, and parents annually, with live theatre performances delivering conservation messaging), the Garden-In-Every-School Program in which elementary schools are competitively selected each year to install water-saving demonstration gardens, and the regional "Take Control of Your Controller" series on proper irrigation control providing unified messaging and branding for water use efficiency through public service ads in the Inland Valley Daily Bulletin. Other educational programs include the Water Fair, programs sponsored through the Water Education/Water Awareness Committee, and monthly water conservation tips published in local newspapers.

Finally, these regional programs and planning efforts support our member agencies compliance with state statutes, and the California Urban Water Conservation Council Memorandum of Understanding (MOU) regarding water conservation Best Management Practices. Since 1991, when the Agency became a signatory to the MOU, it has been committed to promoting and implementing measures and initiatives that save water within its service area. Demand

Management and the efficient use of water are extremely important to the Agency and these efforts have been priorities for the Agency and its member agencies. Many of these programs have been made possible through funding partnerships with Chino Basin Water Conservation District, Metropolitan Water District, the Bureau of Reclamation, and the Department of Water Resources.

Sincerely,

INLAND EMPIRE UTILITIES AGENCY



Thomas A. Love
General Manager

Inland Empire Utilities Agency
Annual Water Use Efficiency Programs Report
Highlights
July 1, 2010 – June 30, 2011

- **Inland Empire Regional Water Use Efficiency Long-Term Business Plan** Approved by the IEUA Board in September 2010, the regional Water Use Efficiency Business Plan serves as a blueprint for IEUA and its member agencies to comprehensively plan for and implement future water use efficiency activities and programs over the next three to five years. The core strategies and programs included in the WUE Business Plan are designed to meet compliance with the Water Conservation Act of 2009 which requires a 20% reduction goal in per capita water use by 2020, and Assembly Bill 1420 which requires mandatory implementation of water use efficiency best management practices. The plan identifies new and existing cost-effective water use efficiency programs that will allow member agencies to focus goals on those activities that yield the highest water savings potential provided the limited financial and program resources currently available.
- **2010 Urban Water Management Plan** Adopted by the IEUA Board in June 2011, the Plan included Chapter 4, a detailed analysis of the Agency's regional water use efficiency programming, compliance with the California Urban Water Conservation Council's Best Management Practices, compliance with Assembly Bill 1420 (Demand Management Measures), and regional targets (baseline, 2015, 2020) for compliance with the Water Conservation Act of 2009, a 20% reduction in per capita water use by the year 2020.
- **FreeSprinklerNozzles.com Voucher Program** Launched on April 1, 2011, this new online program enabled residents within the Agency's service area, regardless of water provider, to obtain a voucher for up to 25 free Precision™ Series irrigation spray nozzles through a web-based portal. These nozzles are proven to provide up to a 20% water savings per head (1,300 gallons annually) without adjusting controllers or irrigation run times. There were a total of 1,002 vouchers redeemed representing 25,050 nozzles through local authorized distributors throughout the Agency's service area. The total estimated water savings from the installed devices represents 100 acre-feet per year.
- **IEUA Regional Residential Landscape Retrofit Program** Launched on April 1, 2011, this new water use efficiency program provided outdoor irrigation evaluations and retrofits of landscape devices for residential customers who were identified within the top 10% percent of the participating retail water providers' customer base. There were 92 site evaluations performed and 85 site retrofits that included the installation of weather based irrigation controllers and high efficiency sprinkler nozzles. Total annual water savings from device upgrades represents 64 acre-feet per year.
- **IEUA Regional Landscape Evaluation and Audit Program (LEAP)** The LEAP Program, administered by the Chino Basin Water Conservation District in partnership with IEUA and the eight retail member agencies, provides landscape and irrigation evaluations for residential, commercial, institutional and industrial customers. This program is a core component in the IEUA regional portfolio of water use efficiency programs and is a continuation of several pilot programs that were implemented over the last five years. A total of 116 landscape audits were completed over the last fiscal year, yielding a potential water savings of 163 acre-feet per year if all report recommendations are implemented by the participants. Of the total completed audits, 52 were single family sites and 64 were commercial sites, with a total irrigated landscaped area of 81.88 acres.

- **IEUA Regional Multi-Family Toilet Installation Program** During FY 2010-11, the Multi-Family Program completed 1,523 High Efficiency Toilet retrofits with an estimated water savings of 65 acre-feet per year. Since program inception in October of 2006, there have been a total of 17,865 installations completed. A total of 14,283 ultra-low flush toilets and 3,582 high efficiency toilets have been retrofitted out of a total allocation of 22,500. This program is anticipated to be completed over the next fiscal year with the recent addition of single family participants.
- **Fontana Unified School Retrofit Program - Phase I** This is a joint venture project between the Fontana Water Company (FWC) and the Agency. The FWC appropriated \$322,000 in funding for conservation and selected the Fontana Unified School District (FUSD) as the recipient of those funds. The Agency provided administrative oversight and management for Phase I that included the installation of 295 high efficiency toilets, 91 high efficiency urinals, 13 weather based irrigation controllers and 1,500 high efficiency sprinkler nozzles at six school locations. Total annual water savings is projected to be 72 acre-feet with a lifetime savings of 710 acre-feet.
- **MWD So Cal WaterSmart Residential Rebate Program** IEUA's foundational conservation rebate program for residential customers provides incentives for high efficiency toilets, nozzles, washing machines, weather-based irrigation controllers, and synthetic turf installation. IEUA and its member agencies dedicate additional incentives, increasing rebate amounts that will attract higher customer participation. Over the last fiscal year, there were approximately 3,500 rebates issued under this program, with an estimated annual water savings of 208 acre-feet with a total savings of 1,662 acre-feet over the life of the devices.
- **MWD CII Save-A-Buck Program** IEUA's foundational conservation rebate program for commercial, industrial and institutional customers provides incentives for a menu of devices that include plumbing fixtures, landscaping devices, and some industry specific technologies. There were approximately 3,389 rebates issued over the last fiscal year with an estimated annual water savings of 76 acre-feet per year and a total savings of 874 acre-feet over the life of the devices.
- **National Theatre for Children Program** The National Theatre for Children (NTC) delivered a package of live theatre, student curriculum and teacher guides to 52 elementary schools throughout the IEUA service area. Over the last year, NTC Children conducted 90 shows reaching 24,344 students and 948 teachers.
- **IEUA Regional Residential Landscape Training Classes** In this series of IEUA-sponsored courses administered by the Chino Basin Water Conservation District and the Rancho Santa Ana Botanical Gardens, residential customers learned the latest ways to reduce water usage through workshops. The courses covered information on the basics of efficient irrigation systems, the benefits of properly watering and fertilizing landscaping, landscape design techniques and plant identification. Seven courses were held within IEUA's service area with participants attending workshops held by Cucamonga Valley Water District, Monte Vista Water District, and the cities of Ontario and Upland. In addition, the Chino Basin Water Conservation District sponsored its own workshops for residential and professional customers.
- **MWD California Friendly Landscape Classes** In this series of MWD-administered courses, residential landscapers learned the latest ways to reduce water usage through workshops. The courses covered information on the basics of efficient irrigation systems, the benefits of properly watering and fertilizing landscaping, landscape design techniques and plant identification. Four courses were held within

IEUA's service area with participants attending workshops held by Cucamonga Valley Water District, Monte Vista Water District, and the cities of Chino Hills and Ontario.

- **Garden in Every School Program** During FY 2010-11, one high school, one elementary school, and two K-8 schools from the cities of Chino, Montclair and Rancho Cucamonga participated in the program. In addition, a blog was launched for educators, parents, and community members to follow the development of the gardens, acquire gardening tips, curriculum tips and water savings tips at ieuagies.blogspot.com.
- **Regional Water Supply Conservation Outreach Campaign** IEUA continued to work with its conservation partners on regional conservation messaging with an outreach slogan, "Save Our Water." In five local movie theatres, the "Save Our Water" ads were run for 30 seconds twice before the start of each movie on 89 screens. The campaign began in May 2010 and continued through the end of September 2010 and reached about 6 million movie goers. ACWA's Save Our Water logo was placed on a billboard at the Big League Ball Field in Chino Hills. Monthly ¼ page ads ran in the Daily Bulletin, Fontana Herald News and Champion Newspapers.
- **Community Outreach** IEUA participated in the following community outreach activities in coordination with member agencies:
 - Upland's Family Fun Day
 - Landscape and Water Conservation Fair
 - City of Chino Hills Day at the LA County Fair
 - Chino Basin Water Conservation District's Earth Day Event
 - Cucamonga Valley Water District's Earth Day
 - City of Chino Earth Day Event Briggs Elementary School
 - City of Chino Earth Day Event Newman Elementary School
 - Earth Day at the Chino Creek Wetlands and Educational Park
- **Water Wise Landscape Contest** IEUA participated in Western Municipal Water District's Water Wise Landscape Contest. Out of 59 entries, Upland resident, Joyce Johnson (Regional Winner for City of Upland) and Lucas Giese (Regional Winner for IEUA) both won for their respective regions. Entries were for front yard residential landscapes and were judged on attractive use of water-wise landscaping, irrigation system efficiency, and good maintenance practices. Participating agencies in the contest included Western Municipal Water District, IEUA, Eastern Municipal Water District, City of Upland, Corona Department of Water and Power, Elsinore Valley Municipal Water District, San Bernardino Valley MWD and City of Riverside Public Utilities.
- **Regional Landscape and Water Conservation Fair** The annual water and landscape fair was held on October 23, 2010 at the Chino Basin Water Conservation District. The fair is a community awareness partnership between IEUA's member agencies which strives to educate the public on water saving strategies. Money saving devices, tips and rebate information were distributed to the numerous attendees.
- **San Bernardino County Water Conference** The County of San Bernardino along with sponsors promoted a water conference at the Ontario Convention Center. IEUA hosted a booth and distributed shower timers with water saving tips along with water-saving fortune cookies. Information was given on recycled water and water softeners as well.

- **MWD's Educational Website** MWD launched an educational, interactive website for students, teachers and all educators. The website offers curriculum materials, online conservation games, activities and interactive learning. MWD hosted its Annual Poster Contest in which students from IEUA's service area were recognized for placing in the contest. Their posters were recognized in the MWD calendar titled "Water is Life". MWD is publishing new curriculum for junior high level students titled "Conservation Connection".
- **IEUA Regional "Water is Life" Student Art/Poster Contest** IEUA hosted its inaugural "Water is Life" student art/poster contest for grades K-12. The theme "Water is Life" was used to help students express their creativity while focusing on the importance of water. IEUA received over two hundred entries. The top three winners from each category (K-5; 6-8; 9-12) were sent to MWD to be entered into its regional contest.
- **The Solar Cup Competition** The Solar Cup competition was held on May 13-15th, 2011 at MWD's Lake Skinner reservoir in the Temecula Valley. High school students from surrounding areas designed, built, equipped and raced solar-powered boats. This competition encourages well-thought out boat design, high speed and endurance, which require participants to utilize an alternative power source in a real world application. This year, IEUA, along with Cucamonga Valley Water District sponsored Los Osos High School located in Rancho Cucamonga. The rookie team placed first in the endurance race for the rookie division.
- **WEWAC** The Water Education - Water Awareness Committee promotes the importance of water conservation in Southern California through coordination and participation in community outreach projects and providing grant funded opportunities for local educators. Projects include hosting booths at local resource and educational fairs, conducting water education workshops at local primary and secondary schools, offering grant opportunities to educators, and sponsoring an annual water conservation video contest.
- **Inland Empire Landscape Alliance** The *California Friendly® Water Wise Landscape Manual* was completed, printed, and distributed throughout the service area in March 2011. The initial printing of 1000 copies was so popular that an additional 1000 copies were printed a month later. To date, 1,900 copies have been distributed to residents by cities at their planning counters, Home Depot parking lot plant sales, Earth Day events and various garden workshops hosted by member agencies. At distribution events, many residents requested information about low water use landscapes in fire and erosion prone areas. As there was still time and funding available due to reduced printing costs for the *California Friendly® Water Wise Landscape Manual*, a complementary *Water-Wise Fire Resistant Landscaping for Erosion Prone Areas* guide was created, printed, and approximately 300 have been distributed to date.
- **IEUA Water Softener Rebate Program** On September 15, 2008, IEUA launched its Water Softener Removal Rebate Program. This project is the third phase of the Agency's Salinity Reduction Program that is addressing the impacts of automatic water softeners on IEUA's recycled water. The goal of this project is to demonstrate the transferability of a financial incentive "rebate" for the removal of residential self-regenerating water softeners within the service area of IEUA. Over the course of the program, 407 water softeners have been removed and \$270,454 in incentives has been paid to program participants. The removal of these devices will save approximately 7.74 acre-feet of water per year in addition to the removal of more than 94 tons of salt.

IEUA MEMBER AGENCY CONTACT LIST



Inland Empire Utilities Agency

Lisa Morgan-Perales
(909) 993-1520
Sondra Elrod
(909) 993-1747

City of Chino

Jesus Plasencia
(909) 464-0781
Michelle VanDerLinden
(909) 591-9803



City of Chino Hills

Kelly Sandel
(909) 364-2804
Cheryl Yeamans
(909) 364-2807



Ontario Municipal Utilities Co.

Alisa Hasbrouck
(909) 395-2661
Virginia Lopez
(909) 395-2671



City of Upland

Alison Loukeh
(909) 291-2935

Cucamonga Valley Water District

Erin Morales
(909) 483-7310
Braden Yu
(909) 987-2591





Fontana Water Company

Patrick Soto
(909) 201-7391

Monte Vista Water District

Justin Scott-Coe
(909) 267-2116



San Antonio Water Company

Roberta Thomas
(909) 982-4107

IEUA Regional Water Use Efficiency Programs Partner:

Chino Basin Water Conservation District (CBWCD)

Juan Zamora
(909) 267-3224
Debby Figoni
(909) 267-3230



IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates						Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR/Other	IEUA	MWD	Total			
FY 2010-2011											
Residential Rebate Programs											
High Efficiency Toilets (HET)	105	1,454,110	4.46	89.25	0	3,675	5,250	8,925			4.0
High Efficiency Clothes Washers (HECW)	2,138	19,228,076	59.01	885.13	0	0	181,730	181,730			6.2
Rotating Nozzles for Pop-up Spray Heads	1,219	1,588,848	4.88	24.38	0	2,438	3,657	6,095			2.5
Weather Based Irrigation Controllers (WBIC)	27	2,869,343	8.78	87.75	0	1,215	2,160	3,375			0.8
Synthetic Turf (0 Sq. Ft.)	11	4,622,689	14.18	141.84	0	4,265	7,108	7,108			1.0
FreeSprinklerNozzles.com Program	1,002	1,306,207	4.01	20.04	0	0	75,150	75,150			37.6
Residential Landscape Retrofit Program	92	19,879,900	61.00	553.00	0	46,746	38,513	86,259			2.8
Subtotal	4,694	50,939,175	156	1,801.40	0.00	58,338.99	309,302.62	367,641.61			
IEUA Multi-Family Direct Install Prog (HET)											
IEUA Multi-Family Direct Install Prog. (HET)	1,428	19,775,897	60.69	1,213.80	104,730	50,922	71,400	227,052			7.5
Subtotal	1,428	19,775,897	61	1,213.80	104,729.52	50,922	71,400	227,052.00			
CII Save-A-Buck Rebate Program											
High Efficiency Toilets (HET)	31	429,309	1.32	26.35	0	1,065	1,550	2,635			4.0
Waterless Urinals	238	9,515,696	29.20	584.05	0	11,900	47,600	59,500			4.1
PH Conductivity Controller	5	3,167,272	9.72	48.60	0	2,500	8,750	11,250			2.3
Weather Based Irrigation Controllers (WBIC)	46	4,871,472	14.95	149.50	0.00	10,715	24,975	35,690			4.8
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0.00	0	0	0			0.0
Rotating Nozzles for Pop-up Spray Heads	3,069	4,000,147	12.28	61.38	0	3,069	9,207	12,276			2.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0			0.0
Fontana Unified School Retrofit Program	1,899	28,679,200	88.00	709.00	321,643	0	33,900	355,543			8.1
Subtotal	5,288	50,663,096	155	1,578.88	321,643.00	29,269.00	125,982.00	476,894.00			
TOTAL	11,310	121,378,169	372	4,594.08	426,372.52	138,530.47	506,684.62	1,071,587.61			

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR/Other	IEUA	MWD	Total	Payback Period (years) ⁽¹⁾
Additional Reimbursements									
CBWCD Landscape Evaluation Program	121	56,372,223	173.00	865.00	\$0.00	\$18,750.00	\$15,100	\$33,850.00	0.4
TOTAL	11,431	177,750,392	546.47	5,459.08	\$426,373	\$157,280	\$521,785	\$1,105,438	

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2009-2010										
Residential Rebate Programs										
High Efficiency Toilets (HET)	477	6,605,814	20.27	465.45	0	16,895	23,850	40,545	4.0	
High Efficiency Clothes Washers (HECW)	512	4,604,666	14.13	211.97	0	25,600	56,320	81,920	11.6	
Rotating Nozzles for Pop-up Spray Heads	575	749,457	2.30	11.50	0	1,150	2,300	3,450	3.0	
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3.25	32.50	0	450	800	1,250	0.8	
Water Wise Landscape (Turf Buy Back) (1,830 Sq. Ft.)	2	83,483	0.26	2.56	0	3,228	0	3,228	25.3	
Synthetic Turf (41,748 Sq. Ft.)	32	4,621,984	14.18	141.84	0	18,787	12,524	31,311	4.4	
Subtotal	1,608	17,724,431	54	805.82	0	65,910	95,794	161,704		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	410	5,677,954	17.43	348.50	30,069	14,621	67,650	112,340	12.9	
Subtotal	410	5,677,954	17	348.50	30,069.40	14,621	67,650	112,340.00		
Cil Save-A-Buck Rebate Program										
ULFT Tank	7	86,448	0.27	5.31	0	0	420	420	3.2	
High Efficiency Toilets (HET)	308	4,265,390	13.09	261.80	0	41,580	50,820	92,400	14.2	
Waterless Urinals	284	11,354,865	34.85	686.94	0	0	113,600	113,600	6.5	
High Efficiency Clothes Washers	33	296,785	0.91	9.11	0	3,300	2,640	5,940	13.1	
Water Brooms	1	49,986	0.15	0.77	0	0	150	150	2.0	
Weather Based Irrigation Controllers (WBIC)	102	10,801,961	33.15	331.50	0	28,605	60,212	88,817	5.4	
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
Rotating Nozzles for Pop-up Spray Heads	11,320	14,754,533	45.28	226.40	0	0	45,280	45,280	2.0	
Pre-Rinse Spray Head Nozzles	1	49,855	0.15	0.77	0	0	60	60	0.8	
Subtotal	12,058	41,659,922	128	1,632.58	0.00	73,485	273,182	346,667.00		
TOTAL	14,074	65,062,206	200	2,686.91	30,069.40	154,015.20	436,626.40	620,711.00		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Additional Grant Reimbursements										
Phase III Landscape Evaluation Program	105	98,586,220	302.55	3,025.50	\$0.00	\$89,250.00	\$22,722	\$81,972.00	0.5	
TOTAL (Grant+Main)	14,179	163,648,427	502.22	5712.41	\$30,069	\$213,265	\$459,348	\$702,683		

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2008-2009									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	4	49,399	0.15	3.03	0	0	240	240	3.2
High Efficiency Toilets (HET)	2,096	29,026,807	89.06	1,761.60	0	0	345,840	345,840	7.8
High Efficiency Clothes Washers (HECW)	1,191	10,711,244	32.87	493.07	0	0	131,010	131,010	8.0
Rotating Nozzles for Pop-up Spray Heads	968	1,248,661	3.83	19.16	0	0	3,832	3,832	2.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3.25	32.50	0	0	800	800	0.5
Water Wise Landscape (Turf Buy Back) (159,759 Sq. Ft.)	117	7,286,068	22.37	223.66	0	206,799	0	206,799	18.5
Synthetic Turf (101,317 Sq. Ft.)	114	4,621,994	14.18	141.84	0	30,395	30,395	60,790	8.6
Subtotal	4,490	54,005,189	166	2,684.87	0	237,194	512,117	749,311	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	1,682	23,293,459	71.49	1,429.70	123,358	59,980	277,530	460,868	12.9
Subtotal	1,682	23,293,459	71	1,429.70	123,357.88	59,980	277,530	460,868.00	
City Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	1	12,350	0.04	0.76	0	0	60	60	3.2
High Efficiency Toilets (HET)	1,554	21,520,829	66.05	1,320.90	0	209,790	256,410	466,200	14.2
Waterless Urinals	332	13,273,997	40.74	814.73	0	0	132,800	132,800	6.5
Conductivity Controller	4	839,392	2.576	12.88	0	175	2,500	2,675	2.1
High Efficiency Clothes Washers	19	170,876	0.52	5.24	0	1,900	3,420	750	13.1
Water Brooms	5	249,928	0.77	3.84	0	0	750	750	2.0
Weather Based Irrigation Controllers (WBIC)	57	6,036,390	18.53	185.25	0	0	38,133	38,133	4.1
Synthetic Turf (1,925 Sq. Ft.)	2	87,817	0.27	2.70	0	578	1,155	1,155	8.6
Rotating Nozzles for Pop-up Spray Heads	43	56,046	0.17	0.86	0	0	172	172	2.0
Large Rotary Nozzles	120	703,638	2.16	21.60	0	0	1,560	1,560	1.4
Pre-Rinse Spray Head Nozzles	31	1,545,511	4.74	23.72	0	0	1,860	1,860	0.8
Subtotal	2,168	44,496,974	137	2,392.47	0.00	212,443	436,343	648,785.00	
MWD Public Sector Program									
High Efficiency Toilets (HET)	4	55,395	0.17	3.40	0	0	1,285	1,285	15.2
Waterless Urinals	2	81,463	0.25	5.00	0	0	1,071	1,071	8.6
Water Brooms	49	2,449,292	7.52	37.58	0	0	16,706	16,706	4.5
Weather Based Irrigation Controllers (WBIC)	73	14,486,358	44.46	444.57	0	0	121,036	121,036	5.5
Central Computer Irrigation Controllers (CCIC)	515	166,470,759	510.88	5,108.80	0	0	2,103,868	2,103,868	8.3
Synthetic Turf (165,612 Sq. Ft.)	2	4,243,072	25.99	259.86	0	0	139,209	139,209	10.7
Subtotal	645	187,786,338	589	5,859.21	0.00	0.00	2,383,174.94	2,383,174.94	
TOTAL	8,985	309,581,960	963	12,376.25	123,357.88	509,616.72	3,609,164.54	4,242,139.14	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Additional Grant Reimbursements									
Phase III Landscape Evaluation Program	135	251,231,121	771.00	7,710.00	\$54,596.90	\$0	\$66,346.40	\$120,943.30	0.3
TOTAL (Grant+Main)	9,120	560,813,081	1734.04	20086.25	\$177,955	\$509,617	\$3,675,511	\$4,363,082	

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	110	1,358,473	4.17	83.38	0	0	6,600	6,600	3.5
High Efficiency Toilets (HET)	93	1,297,926	3.95	79.05	0	0	15,345	15,345	8.5
High Efficiency Clothes Washers (HECW)	1,547	13,912,925	42.70	640.46	0	0	170,170	170,170	8.7
Rotating Nozzles for Pop-up Spray Heads	1,193	1,554,961	4.77	23.86	0	0	4,772	4,772	2.2
Weather Based Irrigation Controllers (WBIC)	25	2,647,539	8.13	81.25	0	4,000	2,000	6,000	1.6
Water Wise Landscape (Turf Buy Back) (21,506 Sq. Ft.)	20	981,085	3.01	30.11	0	43,012	0	43,012	31.2
Synthetic Turf (61,970 Sq. Ft.)	68	2,827,018	8.68	86.76	0	18,591	18,591	37,182	9.4
Subtotal	3,058	24,569,928	75	1,024.86	0	65,603	217,478	283,081	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	4,213	52,029,509	159.67	1,596.73	308,981	150,236	252,780	711,997	9.7
Subtotal	4,213	52,029,509	160	1,896.73	308,981.42	150,235.58	252,780.00	711,997.00	
CI Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	9	111,148	0.34	6.82	0	0	1,215	1,215	7.8
High Efficiency Toilets (HET)	1,916	26,534,047	81.43	1,628.60	0	256,660	316,140	574,800	15.4
Waterless Urinals	606	24,229,042	74.36	1,487.12	0	0	242,400	242,400	7.1
Conductivity Controller	12	2,518,177	7.728	38.64	0	2,100	7,500	9,600	2.7
High Efficiency Clothes Washers	48	431,667	1.32	13.25	0	13,920	6,240	20,160	33.2
Water Brooms	1	48,986	0.15	0.77	0	0	150	150	2.1
Weather Based Irrigation Controllers (WBIC)	6	635,409	1.95	19.50	0	0	3,780	3,780	4.2
Synthetic Turf (32,525 Sq. Ft.)	4	1,493,763	4.55	45.54	0	9,758	9,758	19,515	9.4
Rotating Nozzles for Pop-up Spray Heads	65	84,721	0.26	1.30	0	0	260	260	2.2
Subtotal	2,667	55,077,980	172	3,241.54	0.00	284,437.50	587,442.50	871,880.00	
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	56	2,238,987	6.87	137.42	0	0	68,600	68,600	21.8
Water Brooms	98	4,898,583	15.03	75.17	0	0	37,240	37,240	5.4
Weather Based Irrigation Controllers (WBIC)	42	6,377,556	19.57	195.72	0	0	42,168	42,168	4.7
Central Computer Irrigation Controllers (CCIC)	36	9,654,313	29.63	296.28	0	0	112,464	112,464	8.3
Subtotal	232	23,169,440	71	704.59	0.00	0.00	260,472.00	260,472.00	
TOTAL	10,168	155,946,856	478	6,567.72	308,981.42	500,276.08	1,318,172.50	2,127,430.00	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
						IEUA	MWD	MWD		
FY 2006-2007										
Residential Programs										
Ultra Low Flush Toilets (ULFT)	179	2,210,606	6.78	135.68	0	0	10,740	10,740	10,740	3.7
High Efficiency Toilets (HET)	14	193,881	0.60	11.90	0	0	2,310	2,310	2,310	9.1
High Efficiency Clothes Washers (HECW)	1,456	13,094,518	40.19	602.78	0	0	160,160	160,160	160,160	9.3
Rotating Sprinkler Nozzles	158	205,938	0.63	3.16	0	0	632	632	632	2.3
Weather Based Irrigation Controllers (WBIC) - Rebate	33	3,494,752	10.73	107.25	0	5,280	2,640	7,920	7,920	1.7
Weather Based Irrigation Controllers (WBIC) - Distribution	330	34,947,520	107.25	1,072.50	0	0	79,200	79,200	79,200	1.7
Subtotal	2,170	54,147,215	166	1,933.28	0	5,280	255,682	260,962	260,962	
IEUA Multi-Family Direct Install Prog (HET/ULFT)										
Multi-Family Toilet Program (HET/ULFT)	10,132	125,127,696	384.00	7,680.06	673,848	327,644	551,280	1,552,772	1,552,772	9.5
Subtotal	10,132	125,127,696	384	7,680.06	673,847.92	327,644.08	551,280.00	1,552,772.00	1,552,772.00	
CI Save-A-Buck Rebate Program										
ULFT Flushometer	4	49,369	0.15	3.03	0	60	540	600	600	9.3
ULFT Tank	379	4,680,556	14.36	287.28	0	5,685	51,165	56,850	56,850	9.3
High Efficiency Toilets (HET)	1	13,848	0.04	0.85	0	45	165	210	210	11.6
Zero Water Urinal	97	3,878,246	11.90	236.04	0	0	38,800	38,800	38,800	7.6
Conductivity Controller	4	839,392	2.576	12.88	0	0	2,500	2,500	2,500	2.3
High Efficiency Clothes Washers (HECW)	140	1,259,088	3.86	57.96	0	9,800	18,200	28,000	28,000	17.0
Water Brooms	1	49,986	0.15	0.77	0	0	150	150	150	2.3
Weather Based Irrigation Controllers (WBIC)	16	1,694,425	5.20	52.00	0	0	10,080	10,080	10,080	4.5
Subtotal	642	12,464,941	38	652.81	0.00	15,590.00	121,600.00	137,190.00	137,190.00	
TOTAL	12,944	191,739,852	588	10266.14	\$673,848	\$348,514	\$928,562	\$1,950,924	\$1,950,924	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	1,640	20,253,595	62.16	1,243.12	0	10,660	98,400	109,060	4.1
IEUA Regional Event (ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	531	6,557,719	20.12	402.50	0	563	32,580	33,176	3.9
High Efficiency Clothes Washers	1,365	12,276,111	37.67	565.11	0	1,186	140,910	142,191	8.8
Subtotal	3,536	39,087,424	120	2,210.73	0.00	12,409.00	271,890.00	284,427.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	6,000	74,098,517	227.40	4,548.00	0	495,004	287,160	782,164	8.1
Subtotal	6,000	74,098,517	227	4,548.00	0.00	495,004.00	287,160.00	782,164.00	8.1
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	1,133	13,992,270	42.94	858.81	0	914	67,980	68,836	3.2
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	83	746,459	2.29	34.36	0	0	20,750	20,750	21.2
Water Brooms	3	149,957	0.46	2.30	0	0	300	300	1.5
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	22	2,329,835	7.15	107.25	0	0	0	0	0.0
Subtotal	1,241	17,218,521	53	1,003	0	914	89,030	79,086	
TOTAL	10,777	130,404,462	400	7761.46	0	\$507,413	\$648,080	\$1,145,677	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	726	8,965,921	27.52	550.31	0	4,719	43,560	48,279	4.1
IEUA Regional Event (ULFT)	796	9,830,403	30.17	603.37	0	8,756	47,760	56,516	4.4
IEUA Rebate Program (ULFT)	643	7,940,891	24.37	487.39	0	643	36,560	39,223	3.8
High Efficiency Clothes Washers	1,888	16,979,705	52.11	781.63	0	1,888	207,680	209,568	9.4
Pool Cover Rebates	58	990,607	3.04	15.20	0	5,035	0	5,035	3.9
Subtotal	4,111	44,707,527	137	2,437.90	0.00	21,041.00	337,580.00	358,621.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	4,187	51,708,415	158.69	3,173.75	0	439,635	251,220	690,855	10.2
Subtotal	4,187	51,708,415	159	3,173.75	0.00	439,635.00	251,220.00	690,855.00	10.2
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	5	61,749	0.19	3.79	0	0	0	0	0.0
Conductivity Controller	2	419,696	1.288	6.44	0	0	1,000	1,000	1.8
High Efficiency Clothes Washers	26	233,831	0.72	10.76	0	0	6,500	6,500	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	1	49,855	0.15	0.77	0	0	50	50	0.8
X-Ray Film Processor (MWD Cil)	6	6,256,339	19.20	96.00	0	0	12,000	12,000	1.5
Subtotal	40	7,021,470	22	118	0	0	19,550	19,550	
TOTAL	8,338	103,437,412	317	5729.41	0	\$460,676	\$608,350	\$1,069,026	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

IEUA Regional Conservation Programs Annual Report Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)					Payback Period (years) ⁽¹⁾	
					DWR	IEUA	MWD	Total			
FY 2003-2004											
Residential Programs											
City Event (ULFT)	1377	17,005,610	52.19	1,043.77	0	2,734	81,940	84,674		3.8	
IEUA Regional Event (ULFT)	1613	19,920,151	61.13	1,222.65	0	17,743	96,760	114,523		4.4	
IEUA Rebate Program (ULFT)	1446	17,857,743	54.80	1,096.07	0	1,446	86,760	88,206		3.8	
High Efficiency Clothes Washers	1776	15,972,434	49.02	735.26	0	1,923	200,530	202,353		9.7	
Pool Cover Rebates	231	6,412,748	19.66	98.40	0	12,243	0	12,243		1.5	
Subtotal	6,443	77,168,686	237	4,196.15	0.00	35,989.00	466,010.00	501,989.00			
IEUA Multi-Family Direct Install Prog. (HET/ULFT)											
Multi-Family Program	2,101	25,946,831	79.63	1,592.56	0	71,434	126,060	197,494		5.8	
Subtotal	2,101	25,946,831	80	1,592.56	0	71,434	126,060	197,494			
Oil Save-A-Buck Rebate Program											
High Efficiency Clothes Washers	111	998,277	3.06	61.27	0	0	27,750	27,750		0.0	
Water Brooms (Rebates)	210	10,496,964	32.21	161.07	0	20,100	21,000	41,100		3.0	
Water Brooms (Distribution)	113	5,648,366	17.33	86.67	0	10,600	11,300	21,900		3.0	
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0		0.0	
Subtotal	434	17,143,608	53	309	0	30,700	60,050	90,750			
TOTAL	8,978	120,259,124	369	6,097.72	0	\$138,123	\$662,120	\$790,243			

FY 2002-2003											
Residential Programs											
City Event (ULFT)	1692	20,895,782	64.13	1,282.54	0	3,540	106,200	109,740		4.0	
IEUA Regional Event (ULFT)	1052	12,991,940	39.87	797.42	0	11,286	61,560	72,846		4.3	
IEUA Rebate Program (ULFT)	198	2,445,251	7.50	150.08	0	196	11,860	12,078		3.8	
High Efficiency Clothes Washers	1395	12,545,915	38.50	577.53	0	1,476	162,360	163,836		10.0	
Pool Cover Rebates	235	9,984,075	30.64	153.20	0	12,455	0	12,455		1.0	
Subtotal	4,572	59,862,963	181	2,960.77	0.00	28,955.00	342,000.00	370,955.00			
IEUA Multi-Family Direct Install Prog (HET/ULFT)											
Multi-Family Program	891	11,003,630	33.77	675.38	0	33,728	59,520	93,248		6.5	
Subtotal	891	11,003,630	34	675.38	0	33,728	59,520	93,248			
Oil Save-A-Buck Rebate Program											
High Efficiency Clothes Washers	148	1,331,036	4.08	61.27	0	0	37,000	37,000		21.2	
Water Brooms	62	3,099,104	9.51	47.55	0	6,600	6,600	13,200		3.3	
Pre-Rinse Spray Nozzles	462	23,033,104	70.69	353.43	0	0	23,100	23,100		0.8	
X-Ray Film Processor (MWD Cil)	13	13,555,402	41.80	208.00	0	0	26,000	26,000		1.5	
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	
Subtotal	685	41,018,645	126	670.26	0.00	6,600.00	92,700.00	99,300.00			
TOTAL	6,148	110,885,238	340	4,306	\$0	\$69,283	\$494,220	\$563,503			

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

CBWCD - Landscape Audit Program Performance

FY 07/08

Member Agency	Total CII Sites Audited	Total Irrigated Acreage Audited	Total Potential Water Savings (AF/YR)
City of Chino	5	7.43	4.41
MVWD	13	20.60	120.08
City of Ontario	1	0.07	1.00
City of Upland	5	8.15	70.94
CVWD	0	0.00	0.00
FWC	0	0.00	0.00
City of Chino Hills	0	0.00	0.00
SAWC	0	0.00	0.00
TOTAL	24	36.25	196.43

FY 08/09

Member Agency	Total CII Sites Audited	Total Irrigated Acreage Audited	Total Potential Water Savings (AF/YR)
City of Chino	46	75.14	281.41
MVWD	28	40.03	113.86
City of Ontario	17	64.53	71.93
City of Upland	16	25.38	133.63
CVWD	20	25.94	104.53
FWC	2	0.97	8.40
City of Chino Hills	6	57.21	68.51
SAWC	0	0.00	0.00
TOTAL	135	289.20	782.27

FY 09/10

Member Agency	Total CII Sites Audited	Total Irrigated Acreage Audited	Total Potential Water Savings (AF/YR)
City of Chino	14	30.93	56.86
MVWD	17	9.12	70.89
City of Ontario	5	5.39	33.42
City of Upland	12	7.97	30.57
CVWD	51	56.37	103.45
FWC	1	1.11	5.20
City of Chino Hills	5	2.72	2.18
SAWC	0	0.00	0.00
TOTAL	105	113.61	302.57

FY 10/11

Member Agency	Total CII Sites Audited	Total Irrigated Acreage Audited	Total Potential Water Savings (AF/YR)
City of Chino	2	2.72	3.40
MVWD	17	2.04	9.73
City of Ontario	4	2.99	10.34
City of Upland	19	3.87	16.12
CVWD	11	36.16	85.73
FWC	4	4.16	18.29
City of Chino Hills	11	6.47	27.16
SAWC	4	2.19	2.24
IEUA Facilities	6	25.35	no meters - N/A
TOTAL	78	85.95	173.01

IEUA Sponsored Workshops FY 2010-2011:

Workshop	Date
Water Rate Workshop #1	October 27, 2010 (IEUA)
Water Rate Workshop #2	December 15, 2010 (IEUA)
Rain Harvesting Workshop	March 8, 2011 (Rancho Cucamonga)
BMP Database Workshop	March 30, 2011 (IEUA)
WUE Modeling Workshop	September 29, 2010 (IEUA)
WUE Business Plan Workshop	June 30, 2011 (IEUA)

Summary of Water Education/Community Outreach Program Results
2002-2011

Program	# Schools	# Students	# Teachers	Funding
FY 10-11				
National Theatre for Children	52	24,344	948	\$ 51,100.00
Garden In Every School	4	5,426	208	\$ 25,240.00
Demonstration Garden (IEUA)	4	150	7	\$ 7,000.00
FY 09-10				
National Theatre for Children	50	22,686	959	\$ 48,700.00
Garden In Every School	4	3,142	145	\$ 12,000.00
Demonstration Garden (IEUA)				\$ 7,000.00
FY 08-09				
National Theatre for Children	50	51,285	939	\$ 46,400.00
Garden In Every School	6	2,969	158	\$ 27,000.00
FY 07-08				
National Theatre for Children	50	22,645	718	\$ 44,178.00
Garden In Every School	6	2,070	112	\$ 49,468.00
FY 06-07				
National Theatre for Children	50	20,190	608	\$ 43,100.00
Garden In Every School	7	1,781	42	\$ 34,098.00
FY 05-06				
National Theatre for Children	50	22,341	1,016	\$ 40,000.00
IEUA PDA Classes	0	0	0	\$ -
Garden In Every School	7	1,960	46	\$ 46,691.00
FY 04-05				
National Theatre for Children	50	19,955	906	\$ 39,200.00
IEUA PDA Classes	0	0	0	\$ -
Garden In Every School	7	1,690	34	\$ 44,244.00
FY 03-04				
Think Magic! It's Earth	18	7,929	349	\$ 39,053.00
IEUA PDA Classes	0	0	0	\$ -
FY 02-03				
Think Magic! It's Earth	17	8,359	374	\$ 33,802.00
IEUA PDA Classes	0	0	0	\$ -
TOTAL	432	218,922	7,569	\$ 638,274.00

Summary of MWD California Friendly Landscape Classes
FY 2009-2011

Member Agency	Class Description	# of Classes
FY 10-11		
City of Chino Hills MWD sponsored	Mini	1
City of Ontario IEUA sponsored MWD sponsored	Edible Landscaping Native Plants	2
City of Upland IEUA sponsored IEUA sponsored	Professional Landscapers in Spanish Professional Landscapers	2
Cucamonga Valley Water District MWD sponsored IEUA sponsored IEUA sponsored IEUA sponsored	Mini Native Plants Water Efficient Plants Water Efficient Irrig Systems, Sched & Mtc.	4
Monte Vista Water District IEUA sponsored MWD sponsored	Landscape Design Basics Native Plants	2
TOTAL		11

Member Agency	Class Description	# of Classes
FY 09-10		
City of Chino Hills	Mini	1
City of Ontario	Mini	1
City of Upland	Mini	2
Cucamonga Valley Water District	Mini	2
Monte Vista Water District	Individual 1 Design & Individual 3 Systems	2
TOTAL		8

* **Mini** classes cover information on the basics of efficient irrigation systems, the benefits of properly watering and fertilizing landscaping, landscape design techniques and plant identification.

* **Individual 1 Design** classes cover information on landscape design techniques.

* **Individual 3 Systems** classes cover information on the basics of efficient irrigation systems.

Garden In Every School Program Participants
2004-2011

Schools & City
FY 10-11 Lyle S. Briggs Fundamental (Chino) Oxford Preparatory Academy (Chino) Montera Elementary (Montclair) Rancho Cucamonga High School (Rancho Cucamonga)
FY 09-10 Baldy View Elementary (Upland) Howard Cattle Elementary (Chino) Mariposa Elementary (Ontario) Stork Elementary (Alta Loma)
FY 08-09 Anna Borba Fundamental Elementary (Chino) Glenmeade Elementary (Chino Hills) Grapeland Elementary (Etiwanda) Jasper Elementary (Alta Loma) Perdew Elementary (Etiwanda) The Ontario Center School (Ontario)
FY 07-08 EJ Marshall Elementary (Chino) Chaparral Elementary (Chino Hills) Our Lady of Lourdes (Montclair) Peppertree Elementary (Upland) Los Amigos Elementary (Rancho Cucamonga) Oak Park Elementary (Fontana)
FY 06-07 El Rancho Elementary (Chino) Litel Elementary (Chino Hills) Liberty Elementary (Ontario) Buena Vista Arts Integrated Elementary (Montclair) Sycamore Elementary (Upland) Victoria Groves Elementary (Rancho Cucamonga) Poplar Elementary (Fontana)

Garden In Every School Program Participants
2004-2011

FY 05-06

Newman Elementary (Chino)
Hidden Trails Elementary (Chino Hills)
Ranch View Elementary (Ontario)
Foothill Knolls Elementary (Upland)
Coyote Canyon Elementary (Rancho Cucamonga)
North Tamarind Elementary (Fontana)

FY 04-05

Rhodes Elementary (Chino)
Butterfield Ranch Elementary (Chino Hills)
Euclid Elementary (Ontario)
Lehigh Elementary (Montclair)
Magnolia Elementary (Upland)
Alta Loma Elementary (Rancho Cucamonga)
Grant Elementary (Fontana)

CITY OF CHINO
Annual Water Use Efficiency Programs Report
FY 2010-2011



City of Chino

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	5	69,243	0.21	4.25	0	175	250	425	4.0
High Efficiency Clothes Washers (HECW)	199	1,789,704	5.49	82.39	0	0	16,915	16,915	6.2
Rotating Nozzles for Pop-up Spray Heads	90	117,306	0.36	1.80	0	180	270	450	0.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	45	80	125	0.8
Synthetic Turf (600 Sq. Ft.)	1	27,376	0.08	0.84	0	270	180	450	10.7
FreeSprinklerNozzles.com Program	48	62,573	0.19	0.96	0	0	3,600	3,600	37.6
Subtotal	344	2,172,104	7	93.49	0.00	670.00	21,295.00	21,965.00	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	1	13,849	0.04	0.85	73	36	50	159	0.0
Subtotal	1	13,849	0	0.85	73.34	36	50	159.00	
C/I Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	111	4,437,993	13.62	272.39	0	5,550	22,200	27,750	4.1
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	111	4,437,993	14	272.39	0.00	5,550	22,200	27,750.00	
TOTAL	456	6,623,945	20	366.73	73.34	6,255.66	43,545.00	49,874.00	0.0

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					IEUA	DWR	MWD	Total		
FY 2009-2010										
Residential Rebate Programs										
High Efficiency Toilets (HET)	147	2,035,754	6.25	124.95	5,145	0	7,350	12,495	4.0	
High Efficiency Clothes Washers (HECW)	49	440,681	1.35	20.29	2,450	0	5,390	7,840	11.8	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	45	0	80	125	0.8	
Water Wise Landscape (Turf Buy Back) (0)	0	0	0.00	0.00	0	0	0	0	0.0	
Synthetic Turf (1,404 Sq. Ft.)	3	64,049	0.20	1.97	632	0	421	1,053	10.7	
Subtotal	200	2,645,386	8	150.45	8,272	0	13,241	21,513		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	0	0	0	0.00	0	0.00	0	0.00		
CI Save-A-Buck Rebate Program										
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0	
High Efficiency Toilets (HET)	101	1,398,715	4.29	85.85	13,635	0	16,665	30,300	14.2	
Waterless Urinals	15	599,729	1.84	36.81	0	0	6,000	6,000	6.5	
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0	
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	120	0	200	320	2.0	
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	117	2,104,346	6	125.91	13,755	0.00	22,865	36,620.00		
TOTAL	317	4,750,732	15	276.36	22,026.80	0.00	36,106.20	58,133.00	0.0	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
						IEUA	MWD	MWD		
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	178	2,465,063	7.57	151.30	0	29,370	0	29,370	29,370	7.8
High Efficiency Clothes Washers (HECW)	87	782,433	2.40	36.02	0	9,570	0	9,570	9,570	8.0
Rotating Nozzles for Pop-up Spray Heads	40	52,136	0.16	0.80	0	160	0	160	160	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	80	0	80	80	0.5
Water Wise Landscapes (Turf Buy Back) (5,966 Sq. Ft.)	4	272,164	0.84	8.35	0	7,300	0	7,300	7,300	17.5
Synthetic Turf (6,233 Sq. Ft.)	8	284,344	0.87	8.73	0	1,870	0	1,870	1,870	8.6
Subtotal	318	3,962,042	12	208.45	0	41,060	0	41,060	41,060	
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	235	3,254,437	9.99	198.75	17,235	8,380	38,775	64,390	64,390	12.9
Subtotal	235	3,254,437	10	199.76	17,234.90	8,380	38,775	64,390.00	64,390.00	
Cil Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	26	360,066	1.11	22.10	0	3,510	4,290	7,800	7,800	14.2
Waterless Urinals	29	1,159,476	3.56	71.17	0	0	11,600	11,600	11,600	6.5
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0.0
High Efficiency Clothes Washers	3	26,980	0.08	0.83	0	300	240	540	540	13.1
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	8	847,213	2.60	26.00	0	0	5,352	5,352	5,352	4.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Pre-Rinse Nozzles	15	747,828	2.30	11.48	0	0	900	900	900	0.8
Subtotal	81	3,141,562	10	131.57	0.00	3,810	22,382	26,192.00	26,192.00	
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	44	14,222,744	43.65	436.48	0	0	212,530	212,530	212,530	9.8
Synthetic Turf (22,327 Sq. Ft.)	1	1,018,539	3.13	31.26	0	0	16,745	16,745	16,745	10.7
Subtotal	45	15,241,283	47	467.74	0.00	0.00	229,275.37	229,275.37	229,275.37	
TOTAL	679	25,599,324	79	1,007.50	17,234.90	21,360.00	331,482.27	370,077.17	370,077.17	0.0

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chicago IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	6	74,099	0.23	4.55	0	0	360	360	3.7
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	170	1,528,693	4.69	70.38	0	0	18,700	18,700	9.3
Retailing Nozzles for Pop-up Spray Heads	22	28,675	0.09	0.44	0	0	88	88	2.3
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Water Wise Landscape (Turf Buy Back) (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (2,215 Sq. Ft.)	3	101,046	0.31	3.10	0	665	665	1,329	10.0
Subtotal	201	1,732,713	5	78.47	0	665	19,813	20,477	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	28	345,793	1.06	21.22	2,054	988	1,680	4,732	10.4
Subtotal	28	345,793	1	21.22	2,053.52	988.48	1,680.00	4,732.00	
City Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	158	2,188,089	6.72	134.30	0	21,330	26,070	47,400	16.5
Waterless Urinals	90	3,598,373	11.04	220.86	0	0	36,000	36,000	7.6
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (30,400 Sq. Ft.)	2	1,386,822	4.26	42.56	0	9,120	9,120	18,240	10.0
Retailing Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	250	7,173,284	22	397.72	0.00	30,450.00	71,190.00	101,640.00	34.2
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	51	2,039,078	6.26	125.15	0	0	62,475	62,475	23.4
Water Brooms	42	2,099,393	6.44	32.21	0	0	15,960	15,960	5.8
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	93	4,138,471	13	157.37	0.00	0.00	78,435.00	78,435.00	29.2
TOTAL	572	13,390,260	41	654.78	2,053.52	32,112.98	171,117.50	205,284.00	63.4

⁽¹⁾ Payback period = Total direct program costs / AF saved/year x MWD Tier II rate/AF

City of Chino

IEUA Regional Conservation Programs Annual Report

Program	Funding Sources (dollars)										Payback Period (years) (1)	
	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	City	IEUA	MWD	Total				
FY 2006-2007												
Residential Rebate Programs												
Ultra Low Flush Toilets (ULFT)	11	124,377	0.38	7.63	0	0	660	660	0	660	0	4.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	146	4,024,781	12.35	185.27	0	0	16,060	16,060	0	16,060	0	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	2	423,606	1.30	13.00	0	320	160	160	0	480	0	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	28	5,930,488	18.20	182.00	0	0	6,720	6,720	0	6,720	0	0.9
Subtotal	187	10,503,253	32.23	387.91	0	320	23,600	23,600	0	23,600	0	0.9
IEUA Multi-Family Direct Install Prog. (HET/ULFT)												
Multi-Family Toilet Program (HET/ULFT)	944	10,673,836	32.76	655.14	69,233	33,663	56,640	56,640	0	159,536	0	11.4
Subtotal	944	10,673,836	32.76	655.14	69,233	33,663	56,640	56,640	0	159,536	0	11.4
CII Save-A-Buck Rebate Program												
ULFT Flushometer	0	0	0.00	0	0	0	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0	0	0.0
Zero Water Urinal	1	39,917	0.12	2.45	0	0	400	400	0	400	0	7.6
Conductivity Controller	1	209,948	0.64	3.22	0	0	625	625	0	625	0	2.3
High Efficiency Clothes Washers (HECW)	24	661,608	2.0304	30.46	0	1,680	3,120	3,120	0	4,800	0	5.5
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	2	423,606	1.30	13.00	0	0	1,260	1,260	0	1,260	0	2.3
Subtotal	28	12,006,815	36.85	704.26	69,233	35,343	62,045	62,045	0	166,621	0	17.7
TOTAL	1,159	33,185,904	102	1,747.31	138,465.92	69,326.08	142,285.00	142,285.00	0	350,077.00	0	1.4

Total direct program costs
 AF saved/year x MWD Tier II rate/AF

(1) Payback period =

City of Chino

IEUA Regional Conservation Programs Annual Report

Program	Funding Sources (dollars)										Payback Period (years) (1)
	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	City	IEUA	MWD	Total	AF Saved	Payback Period (years) (1)	
FY 2005-2006											
Residential Programs											
City Event (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	33	375,132	1.15	22.90	0	33	1,980	2,013	0	0	4.1
High Efficiency Clothes Washers	128	1,151,166	3.53	52.99	0	128	14,080	14,208	0	0	9.4
Subtotal	161	1,524,298	4.68	75.99	0	161	16,060	16,221	0	0	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)											
Multi-Family Program	145	1,639,519	5.03	100.63	0	15,225	8,700	23,925	0	0	11.1
Subtotal	145	1,639,519	5.03	100.63	0	15,225	8,700	23,925	0	0	
Cil Save-A-Buck Rebate Program											
ULFT's (Tank)	0	0	0.00	0	0	0	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0	0.00	0	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Subtotal	0	0	0.00	0.00	0	0	0	0	0	0	
TOTAL	306	3,163,818	10	177	0	15,386	24,760	40,146	0	0	
FY 2004-2005											
Residential Programs											
City Event (ULFT)	236	2,668,459	8.19	163.78	0	1,534	14,160	15,694	0	0	4.5
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	0	22	120	142	0	0	4.8
IEUA Rebate Program (ULFT)	44	497,509	1.53	30.54	0	44	2,640	2,684	0	0	4.1
High Efficiency Clothes Washers	195	1,753,730	5.38	80.73	0	195	21,450	21,645	0	0	9.4
Pool Cover Rebates	6	102,492	0.31	1.57	0	1,219	0	1,219	0	0	9.1
Subtotal	483	5,044,804	15	278.01	0.00	3,014.00	38,370.00	41,384.00	0	0	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)											
Multi-Family Program	8	90,456	0.28	5.55	0	840	480	1,320	0	0	1.1
Subtotal	8	90,456	0	5.55	0.00	840.00	480.00	1,320.00	0	0	
Cil Save-A-Buck Rebate Program											
ULFT (Tank)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0	0.0
High Efficiency Clothes Washers	18	161,883	0.50	7.45	0	0	4,500	4,500	0	0	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0	0	0.0
X-Ray Film Processor (MWD Cil)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Subtotal	18	161,883	0	7	0	0	4,500	4,500	0	0	
TOTAL	509	5,297,143	16	291.01	0	\$3,854	\$43,350	\$47,204	0	0	

(1) Payback period = Total direct program costs / AF saved/year x MWD Tier II rate/AF

City of Chino IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	
FY 2003-2004								
Residential Programs								
City Event (ULFT)	287	3,245,118	9.96	199.18	0	574	17,220	17,794
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	0	22	120	142
IEUA Rebate Program (ULFT)	130	1,488,914	4.51	90.22	0	130	7,800	7,930
High Efficiency Clothes Washers	130	1,169,153	3.59	53.82	0	130	14,300	14,430
Pool Cover Rebates	23	802,854	2.46	12.30	0	1,219	0	1,219
Subtotal	572	6,709,653	21	356.91	0.00	2,075.00	39,440.00	41,515.00
IEUA Multi-Family Direct Install Prog. (HET/ULFT)								
Multi-Family Program	106	1,198,545	3.68	73.56	0	3,604	6,360	9,964
Subtotal	106	1,198,545	4	73.56	0	3,604	6,360	9,964
Cil Save-A-Buck Rebate Program								
High Efficiency Clothes Washers	18	161,883	0.50	7.45	0	0	4,500	4,500
Water Brooms (Rebate)	2	99,971	0.31	1.53	0	0	200	200
Water Brooms (Distribution)	24	1,199,653	3.68	18.41	0	2,400	2,400	4,800
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0
Subtotal	44	1,461,507	4	27	0	2,400	7,100	9,500
TOTAL	722	9,369,705	29	457.86	0	\$9,079	\$52,900	\$60,979

FY 2002-2003								
Residential Programs								
City Event (ULFT)	370	4,183,601	12.84	256.78	0	740	22,200	22,940
IEUA Regional Event (ULFT)	33	373,132	1.15	22.90	0	363	1,980	2,343
IEUA Rebate Program (ULFT)	14	158,298	0.49	9.72	0	14	840	854
High Efficiency Clothes Washers	127	1,142,173	3.51	52.56	0	127	13,970	14,097
Pool Cover Rebates	25	1,246,986	3.83	19.15	0	1,325	0	1,325
Subtotal	569	7,104,190	22	361.13	0.00	2,669.00	38,980.00	41,559.00
IEUA Multi-Family Direct Install Prog. (HET/ULFT)								
Multi-Family Program	158	1,766,511	5.48	109.65	0	5,372	9,480	14,852
Subtotal	158	1,766,511	5	109.65	0	5,372	9,480	14,852
Cil Save-A-Buck Rebate Program								
High Efficiency Clothes Washers	42	377,726	1.16	17.39	0	0	10,500	10,500
Water Brooms	9	449,670	1.38	6.90	0	900	900	1,800
Pre-Rinse Spray Nozzles	65	84,721	0.26	1.30	0	0	3,250	3,250
X-Ray Film Processor (MWD Cil)	4	4,170,893	12.80	64.00	0	0	8,000	8,000
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	120	5,083,210	16	89.58	0.00	900.00	22,650.00	23,550.00
TOTAL	847	13,973,911	43	560	\$0	\$6,941	\$71,120	\$79,961

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AFI/YR	Recommendations
City of Chino	Valley Christian Church	Valley Christian Church	12410 Norton Ave	Chino	27%	5.07	11508	11268	0.51	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Yorba Court/Owen Associates, Inc.	Yorba Court/Owen Court Associates, Inc.	13106 Yorba Ave	Chino	42%	0.41	132	923	0.91	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Chino Venture	Chino Venture	14728 Ramona Ave	Chino	45%	0.56	1415	1247	0.38	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Teo Albers	Teo Albers	6241 Joaquin St	Chino	32%	0.52	2238	1172	2.45	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Beckman Coulter Inc.	Beckman Coulter Inc.	15989 Cypress Ave	Chino	75%	0.87	2017	1946	0.16	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

TOTAL

7.43

4.41

FY 08/09

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AFI/YR	Recommendations
City of Chino	Amberwood Apartments	Amberwood Apartments	12957 Ramona Ave	Chino	60%	2.18	14,506	4,848	22.0	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Calvary Chapel of Chino Hills	Calvary Chapel of Chino Hills	4201 Eucalyptus Ave	Chino	76%	1.73	6,521	4,002	5.8	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Chino Pacific Warehouse	Chino Pacific Warehouse	5120 Schaefer Ave	Chino	57%	1.66	1,640	1,722	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Chino Valley YMCA	Chino Valley YMCA	5665 Edison Ave.	Chino	60%	0.92	2,187	2,041	0.3	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Envision Plastics	Envision Plastics	14312 Central Ave	Chino	55%	0.3	1,485	657	1.9	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Ganstar Technologies	Ganstar Technologies	4525 Edison Ave.	Chino	43%	0.47	1,527	1,045	1.1	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino	Inland Hills Church	Inland Hills Church	14670 Ramona Ave	Chino	63%	5.89	22,552	13,041	21.9	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	La Cuesta HOA	La Cuesta HOA	5640 Riverside Dr	Chino	60%	0.63	1,206	1,395	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Prime Development	Prime Development	4110 Edison Ave.	Chino	72%	0.37	1,086	503	1.3	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Ramona Chino Property LLC Steroty Co. Inc	Ramona Chino Property LLC Steroty Co. Inc	13775-95 Ramona Ave	Chino	57%	0.43	1,822	985	2.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Ramona Village Assoc.	Ramona Village Assoc.	4488 Teresita Ct	Chino	53%	1.78	6,756	3,945	6.5	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Royal Palm Ranch	Royal Palm Ranch	4793 Riverside Dr	Chino	46%	2.3	8,918	5,097	8.8	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Steroty Co. Inc	Steroty Co. Inc	4575 Schaefer	Chino	50%	0.16	841	369	0.6	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Steroty Co. Inc	Steroty Co. Inc	4525 Schaefer	Chino	44%	0.38	1,021	849	0.4	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Steroty Co. Inc	Steroty Co. Inc	14225 Telephone Ave	Chino	53%	0.32	1,344	453	2.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	United Electric Supply Company	United Electric Supply Company	15487 Dupont Ave	Chino	50%	0.25	1,815	559	2.9	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Versa Technology Inc.	Versa Technology Inc.	4711 Chino Ave	Chino	68%	1.54	3,403	3,420	0.0	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Almac Felt Co	Almac Felt Co	13825 Benson Ave	Chino	58%	0.19	628	279	0.8	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	American Custom Golf Cars Inc	American Custom Golf Cars Inc	15710 El Prado Rd	Chino	No Test	0.22	1,527	320	2.7	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Callagua	Callagua	15148 Sierra Bonita Ln	Chino	No Test	0.05	219	73	0.33	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Crystal Lane Community Association	Crystal Lane Community Association	Euclid Ave, Joy St, Fern Ave, Margaret Ave	Chino	76%	4.6	16,302	6,557	22.4	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino	Free Free USA, Inc	Free Free USA, Inc	13660 Redwood Ct	Chino	60%	0.09	356	132	0.5	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Imaginary Fiberglass	Imaginary Fiberglass	15740 El Prado Rd	Chino	70%	0.23	233	325	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	International House of Pancakes	International House of Pancakes	12586 Central Ave	Chino	40%	0.1	608	160	1	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Park East II	Park East II	Schaefer Ave / Roswell	Chino	57%	2.8	3,964	4,058	0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Seasons Senior Villas	Seasons Senior Villas	13160 Sixth St	Chino	63%	0.29	1,617	422	2.7	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Shaefer Roswell HOA	Shaefer Roswell HOA	Esperanza/East End Ave	Chino	61%	1.82	5,928	2,566	7.7	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	The Gardens	The Gardens	11918 Central Ave	Chino	42%	0.36	1,509	516	2.46	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park Townhomes	Park Townhomes	12400 N Park	Chino	47%	1.8	6,140	2,555	8.2	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Chino Womens Prison	Chino Womens Prison	16756 Chino Corona Rd	Corona	48%	23	71,667	39,221	90.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Cypress Creek HOA	Cypress Creek HOA	Rojrose St/Zimnea	Chino	68%	1.56	5,836	2,194	8.40	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	First United Reformed Church	First United Reformed Church	6159 Riverside Dr	Chino	55%	1.05	4,117	1,484	6.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Foresome, LLC	Foresome, LLC	11760-11800 Central Ave	Chino	59%	0.45	1,873	640	2.80	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Franklin Webster Square Asn.	Franklin Webster Square Asn.	12635 Franklin Ct	Chino	51%	0.53	2,723	745	4.50	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	JG Construction	JG Construction	15632 El Prado Rd	Chino	59%	0.2	1,194	284	2.10	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Kumar Industries	Kumar Industries	4775 Chino Ave	Chino	66%	0.28	1,558	388	2.70	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino	Linda Howe	Linda Howe	4187 Bernardo Ct	Chino	50%	0.18	238	278	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Parkside Village	Parkside Village	Cardiff Ave	Chino	60%	0.95	2,940	1,337	3.70	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Best Western Pine Wood	Best Western Pine Wood	12018 Central Ave	Chino	58%	0.48	1,423	689	1.68	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	PMN, LLC	PMN, LLC	13405 Yorba Ave	Chino	54%	0.57	2,702	1,903	1.80	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Adobe Springs	Adobe Springs	Umah St	Chino	59%	1.68	4159	2367	4.12	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Childrens World #129	Childrens World #129	Riverside Dr	Chino	48%	0.30	2314	427	4.34	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Hampshire Village	Hampshire Village	Medford Ct	Chino	43%	1.06	5852	1488	10.03	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park East III	Park East III	Chino Ave/ Lilac	Chino	50%	7.07	14769	9953	11.06	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Saddlewood HOA	Saddlewood HOA	Saddlewood Lane	Chino	60%	1.72	2982	2423	1.28	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Sieroty Co. Inc-Chino Bertolini	Sieroty Co. Inc-Chino Bertolini	Norton Ave	Chino	31%	0.20	483	227	0.61	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
TOTAL						75.14			281.41	

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AE/YR	Recommendations
City of Chino	Nan, Dustin	Nan, Dustin	6751 Burke Ct	Chino	62%	0.03	11	36	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	American Pacific	American Pacific	13951 Magnolia Ave.	Chino	54%	0.38	1,360	540	1.4	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Chino Valley Fire District #63	Chino Valley Fire District #63	7550 Kimball Ave.	Chino	70%	0.20	841	287	1.3	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park Place Chino HOA (North Section)	Park Place Chino HOA (North Section)	12836 Twelfth St	Chino	45%	0.39	1,725	482	2.9	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	City of Chino - Carolyn Owens Community Center	City of Chino - Carolyn Owens Community Center	13201 Central Ave	Chino	55%	0.29	2,323	360	4.5	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - City Yard	City of Chino - City Yard	5050 Schaefer Ave	Chino	55%	1.17	2,673	1,647	2.4	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Civic Center	City of Chino - Civic Center	13220 Central Ave	Chino	69%	2.52	7,682	3,551	9.5	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Community Building	City of Chino - Community Building	5443 B Street	Chino	54%	1.07	2,240	1,471	1.8	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	City of Chino - Human Services/Chino Valley Fire District # 61	City of Chino - Human Services/Chino Valley Fire District # 61	13271 Central Ave.	Chino	48%	0.81	1,891	1,134	1.7	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Teen Center	City of Chino - Teen Center	13023 Central Ave	Chino	No Test	0.07	213	64	0.3	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	City of Chino - Cypress Trails Park	City of Chino - Cypress Trails Park	6571 Schaefer Ave	Chino	67%	6.48	7,749	9,134	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Heritage Park	City of Chino - Heritage Park	4250 Chino Ave	Chino	52%	6.75	13,201	9,513	8.5	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Mountain View Park	City of Chino - Mountain View Park	13351 Mountain Ave	Chino	54%	6.71	19,344	9,458	22.7	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Walnut Park	City of Chino - Walnut Park	4600 Walnut Ave	Chino	58%	4.04	5,645	5,691	0.0	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler

TOTAL

30.93

56.86

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 10/11

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in G/G/HR	Estimated Water Needs (Annually) G/G/HR	Potential Savings AE/YR	Recommendations
City of Chino	Chaffey College - Chino	Chaffey College - Chino	5987 College Park Ave	Chino	56%	2.83	4,717	3,237	3.40	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Navarro, Moreno	Navarro, Moreno	12081 Castille Ave	Chino	42%	0.09	77	113	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all water upgrade programs, fix any broken lines or heads.
						2.72			3.40	

TOTAL

Table 1
City of Chino
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	1	264	12	\$ 1,056.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	1	264	12	\$ 1,056.00
FY 2003-04				
Think Earth! It's Magic	4	1,804	77	\$ 7,216.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	4	1,804	77	\$ 7,216.00
FY 2004-05				
National Theater for Children	N/A	N/A	N/A	
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	386	14	
TOTAL	1	386	14	
FY 2005-06				
National Theater for Children	N/A	N/A	N/A	
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	380	13	
TOTAL	1	380	13	
FY 2006-07				
National Theater for Children	N/A	N/A	N/A	
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	250	8	
TOTAL	1	250	8	
FY 2007-08				
National Theater for Children	N/A	N/A	N/A	
Garden In Every School	1	45	3	\$ 7,776.00
TOTAL	1	45	3	\$ 7,776.00
FY 2008-09				
National Theater for Children	N/A	N/A	N/A	
Garden In Every School	1	615	30	\$ 4,500.00
TOTAL	1	615	30	\$ 4,500.00
FY 2009-10				
National Theater for Children	N/A	N/A	N/A	
Garden In Every School	1	867	41	\$ 3,000.00
TOTAL	1	867	41	\$ 3,000.00
FY 2010-11				
National Theater for Children	5	1,845	73	\$ 4,913.57
Garden In Every School	2	1,922	70	\$ 12,620.00
TOTAL	7	3,767	143	\$ 17,533.57
2002-2011 Totals	18	8,378	341	\$ 41,081.57

CITY OF CHINO HILLS
Annual Water Use Efficiency Programs Report
FY 2010-2011



City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2010-2011										
Residential Rebate Programs										
High Efficiency Toilets (HET)	24	332,368	1.02	20.40	0	840	1,200	2,040	4.0	
High Efficiency Clothes Washers (HECW)	398	3,579,408	10.98	164.77	0	0	33,830	33,830	6.2	
Rotating Nozzles for Pop-up Spray Heads	95	123,823	0.38	1.90	0	190	285	475	2.5	
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	45	80	125	0.8	
Synthetic Turf (____ Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
FreeSprinklerNozzles.com Program	65	84,734	0	1.30	0	0	4,875	4,875	37.6	
Subtotal	583	4,226,235	13	191.62	0.00	1,075.00	40,270.00	41,345.00		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	0	0	0	0.00	0.00	0	0	0.00		
City Save-A-Buck Rebate Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Waterless Urinals	81	3,238,535	9.94	198.77	0	4,050	16,200	20,250	0.0	
PH Conductivity Controller	1	208,848	0.64	3.22	0	500	1,750	2,250	0.0	
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0	
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	82	3,448,383	11	201.99	0.00	4,550	17,950	22,500.00	0.0	
TOTAL	665	7,674,618	24	393.62	0.00	5,625.00	58,220.00	63,845.00	0.0	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	96	1,329,472	4.08	81.60	0	3,360	4,800	8,160	4.0
High Efficiency Clothes Washers (HECW)	125	1,124,186	3.45	51.75	0	6,250	13,750	20,000	11.6
Rotating Nozzles for Pop-up Spray Heads	324	422,303	1.30	6.48	0	648	1,296	1,944	3.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	45	80	125	0.8
Water Wise Landscape (Turf Buy Back) (614 Sq. Ft.)	1	28,010	0.09	0.86	0	1,228	0	1,228	28.7
Synthetic Turf (2,950 Sq. Ft.)	5	134,576	0.41	4.13	0	1,328	865	2,213	10.7
Subtotal	552	3,144,449	10	148.07	0	12,859	20,811	33,670	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	
CI Save-A-Buck Rebate Program									
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3.25	32.50	0	3,960	6,600	10,560	6.5
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	10	1,059,016	3	32.50	0.00	3,960	6,600	10,560.00	6.5
TOTAL	562	4,203,465	13	180.57	0.00	16,818.50	27,411.00	44,229.50	6.5

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	Funding Sources (dollars)										Payback Period (years) ⁽¹⁾
	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	IEUA	MWD	Total			
FY 2008-2009											
Residential Rebate Programs											
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	70	969,407	2.98	59.50	0	0	11,550	11,550	0	0	7.8
High Efficiency Clothes Washers (HECW)	207	1,861,652	5.71	85.70	0	0	22,770	22,770	0	0	8.0
Rotating Nozzles for Pop-up Spray Heads	36	46,923	0.14	0.72	0	0	144	144	0	0	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	0	80	80	0	0	0.5
Water Wise Landscape (Turf Buy Back) (16,789 Sq. Ft.)	16	765,900	2.35	23.50	0	0	25,484	25,484	0	0	21.7
Synthetic Turf (28,243 Sq. Ft.)	23	1,288,421	3.95	39.54	0	0	8,473	16,946	0	0	8.6
Subtotal	363	5,038,204	15	212.21	0	0	33,957	43,017	0	76,974	
IEUA Multi-Family Direct Install Prog. (HET)											
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0	0	0.00	
CIU Save-A-Buck Rebate Program											
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	387	5,359,434	16.45	328.95	0	0	52,245	116,100	0	0	14.2
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0	0.0
High Efficiency Clothes Washers	5	44,967	0.14	1.38	0	0	500	900	0	0	13.1
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Pre-Rinse Nozzles	10	498,552	1.53	7.65	0	0	0	600	0	0	0.8
Subtotal	402	5,902,954	18	337.98	0.00	0.00	52,745	117,600.00	64,855	0	28.0
MWD Public Sector Program											
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	347	112,165,735	344.22	3,442.24	0	0	1,411,069	1,411,069	0	0	8.2
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0	0.0
Subtotal	347	112,165,735	344	3,442.24	0.00	0.00	86,701.90	1,411,068.56	0	1,411,068.56	8.2
TOTAL	1,102	123,106,892	376	3,992.43	0.00	0.00	86,701.90	1,518,940.46	64,855	1,605,642.36	28.0

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	7	86,448	0.27	5.31	0	0	420	420	3.7
High Efficiency Toilets (HET)	14	193,881	0.60	11.90	0	0	2,310	2,310	9.1
High Efficiency Clothes Washers (HECW)	240	2,158,437	6.62	99.36	0	0	26,400	26,400	9.3
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Weather Wise Landscape (Turf Buy Back) (552 Sq. Ft.)	1	25,182	0.08	0.77	0	1,104	0	1,104	33.5
Synthetic Turf (3,690 Sq. Ft.)	7	168,335	0.52	5.17	0	1,107	1,107	2,214	10.0
Subtotal	269	2,632,283	8	122.50	0	2,211	30,237	32,448	65.6
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0
City Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	14	559,747	1.72	34.36	0	0	5,600	5,600	7.6
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	14	559,747	2	34.36	0.00	0.00	5,600.00	5,600.00	7.6
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	45	2,249,349	6.90	34.52	0	0	17,100	17,100	5.8
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	45	2,249,349	7	34.52	0.00	0.00	17,100.00	17,100.00	5.8
TOTAL	328	5,441,379	17	191.38	0.00	2,211.00	52,937.00	55,148.00	79.1

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2006-2007									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	16	180,912	0.56	11.10	0	0	960	960	4.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	223	6,147,440	18.87	282.99	0	0	24,530	24,530	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	4	847,213	2.80	26.00	0	640	320	960	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	9	1,906,228	5.85	58.50	0	0	2,160	2,160	0.9
Subtotal	252	9,081,793	28	378.59	0	640	27,970	28,610	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0
Cil Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Zero Water Urinal	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0
TOTAL	252	9,081,793	28	378.59	\$0	\$640	\$27,970	\$28,610	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	65	794,957	2	45.11	130	7,800	7,930	7,930	8.2
High Efficiency Clothes Washers	214	1,924,606	5.91	88.60	130	14,300	14,430	14,430	5.7
Subtotal	279	2,659,563	8	133.71	0.00	260.00	22,100.00	22,360.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,175	13,285,760	41	815.45	0	3,604	6,360	9,964	0.6
Subtotal	1,175	13,285,760	41	815.45	0.00	3,604.00	6,360.00	9,964.00	0.6
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0	0	0	0	0	0.0
TOTAL	1,454	15,945,323	49	949.16	0	\$3,864	\$28,460	\$32,324	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	7	79,149	0	4.86	0	420	497	497	4.8
IEUA Rebate Program (ULFT)	79	893,255	3	54.83	0	79	4,740	4,819	4.1
High Efficiency Clothes Washers	307	2,761,001	8.47	127.10	0	307	33,770	34,077	9.4
Pool Cover Rebates	6	102,492	0.31	1.57	0	318	0	318	2.4
Subtotal	399	3,835,897	12	188.35	0.00	781.00	38,930.00	39,711.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	530	5,992,726	18	367.82	0	55,650	31,800	87,450	11.1
Subtotal	530	5,992,726	18	367.82	0.00	55,650.00	31,800.00	87,450.00	11.1
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0	0	0	0	0	0.0
TOTAL	929	9,828,623	30	556.17	0	\$56,431	\$70,730	\$127,161	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Chino Hills IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (Year)	AF Saved (Year)	AF Saved Lifetime	City	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total		
FY 2003-2004										
Residential Programs										
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0	0
IEUA Regional Event (ULFT)	3	33,921	0	2.08	0	33	180	213	5.1	0
IEUA Rebate Program (ULFT)	189	2,137,029	7	131.17	0	189	11,340	11,529	4.6	0
High Efficiency Clothes Washers	233	2,095,483	6.43	96.46	0	233	25,630	25,863	5.7	0
Pool Cover Rebates	21	802,854	2.46	12.30	0	1,113	0	1,113	2.4	0
Subtotal	448	5,069,286	16	242.01	0.00	1,566.00	37,150.00	38,716.00		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
Multi-Family Program	25	282,676	1	17.35	0	850	1,500	2,350	4.3	0
Subtotal	25	282,676	1	17.35	0	850	1,500	2,350		
Oil Save-A-Buck Rebate Program										
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0	0
Water Brooms (Rebate)	19	949,725	2.91	14.57	0	1,900	1,900	3,800	3.1	0
Water Brooms (Distribution)	0	0	0.00	0.00	0	0	0	0	0	0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0	0
Subtotal	19	949,725	3	15	0	1,900	1,900	3,800		
TOTAL	490	6,301,687	19	273.93	0	\$4,318	\$40,550	\$44,868		

FY 2002-2003										
Residential Programs										
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0	0
IEUA Regional Event (ULFT)	48	542,737	2	33.31	0	528	2,880	3,408	5.4	0
IEUA Rebate Program (ULFT)	28	316,597	1	19.43	0	28	1,680	1,708	4.5	0
High Efficiency Clothes Washers	199	1,789,704	5.49	82.39	0	199	21,890	22,089	5.8	0
Pool Cover Rebates	27	1,246,986	3.83	19.15	0	1,431	0	1,431	2.4	0
Subtotal	302	3,896,024	12	154.28	0.00	2,186.00	28,450.00	28,636.00		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
Multi-Family Program	0	0	0	0.00	0	0	0	0	0	0
Subtotal	0	0	0	0.00	0	0	0	0		
Oil Save-A-Buck Rebate Program										
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0	0
Water Brooms	5	249,928	0.77	3.84	0	900	900	1,800	3.1	0
Pre-Rinse Spray Nozzles	16	20,854	0.06	0.32	0	0	800	800	0.5	0
X-Ray Film Processor	0	0	0.00	0.00	0	0	0	0	0	0
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	21	270,782	1	4.16	0.00	900.00	1,700.00	2,600.00		
TOTAL	323	4,166,806	13	158.44	0	\$3,086	\$28,150	\$31,236		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in GCF/HCF	Estimated Water Needs (Annually) GCF/HCF	Potential Savings AFYR	Recommendations
City of Chino Hills										
TOTAL									0	

FY 08/09

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in GCF/HCF	Estimated Water Needs (Annually) GCF/HCF	Potential Savings AFYR	Recommendations
City of Chino Hills	Orakridge HOA	Orakridge HOA	2757 Grand Ave	Chino Hills	72%	9.60	12,108	8,090	9.2	Install Weather Based System, Participate in all nozzle upgrade program
City of Chino Hills	Carbon Canyon I HOA	Carbon Canyon I HOA	15238 Turquoise Circle	Chino Hills	56%	11.25	13,163	7,928	12.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon I HOA	Carbon Canyon I HOA	15239 Turquoise Circle	Chino Hills	56%	11.25	13,163	7,928	12.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon I HOA	Carbon Canyon I HOA	15240 Turquoise Circle	Chino Hills	56%	11.25	13,163	7,928	12.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon I HOA	Carbon Canyon I HOA	15241 Turquoise Circle	Chino Hills	56%	11.25	13,163	7,928	12.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Rolling Ridge La Park	Rolling Ridge La Park	Glen Court	Chino Hills	62%	2.61	8547	3676	11.19	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL						57.21			66.51	

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 09/10

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in GPM/HR	Estimated Water Needs (Annularity) (GPM/HR)	Potential Savings (AF/YR)	Recommendations
City of Chino Hills	Swingle, Richard	Swingle, Richard	14980 Beechwood Ln	Chino Hills	30%	0.10	49	119	0	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Butterfield Fire Station (Chino Valley Fire District #62)	Butterfield Fire Station (Chino Valley Fire District #62)	5551 Butterfield Ranch Rd.	Chino Hills	No Test	0.58	571	511	0.14	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire Department Training Center	Chino Valley Fire Department Training Center	4040 Eucalyptus Ave	Chino Hills	43%	0.47	885	665	0.53	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire District #64	Chino Valley Fire District #64	16231 Cannon Ln.	Chino Hills	No Test	1.18	809	1,035	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire District Station #66	Chino Valley Fire District Station #66	13707 Peyton Dr.	Chino Hills	54%	0.39	1,206	547	1.51	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
TOTAL						2.72			2.18	

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 10/11

SUB-AGENCY	CUSTOMER	SITE	ZONING	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/ALE	Estimator Water Needs (Annual) CCF/ALE	Potential Savings ACF/YR	Recommendations
Chino Hills	Morad, Aida	Morad, Aida	2349 Brandon Cir	Chino Hills	69%	0.30	766	366	0.97	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Chino Hills	Quezada, Albert	Quezada, Albert	15633 Country Club Dr	Chino Hills	36%	0.07	132	87	0.10	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Chino Hills	Rios, Gloria	Rios, Gloria	2419 Milano Terrace	Chino Hills	65%	0.36	742	442	0.69	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
Chino Hills	Sautter, Barbara	Sautter, Barbara	3085 Daybreak Ct	Chino Hills	62%	0.13	105	159	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Chino Hills	Arain, Mohammad	Arain, Mohammad	1439 Westridge Way	Chino Hills	66%	0.24	836	269	1.26	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Chino Hills	Saadalla, Nagy	Saadalla, Nagy	15128 Calle Varano	Chino Hills	55%	0.13	218	140	0.18	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
Chino Hills	Khadem, Hossain	Khadem, Hossain	1024 Everest Ct	Chino Hills	63%	0.69	686	840	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Chino Hills	Kurdi, Ahmad	Kurdi, Ahmad	16106 Highland Pass Cir	Chino Hills	55%	0.86	1,814	1,060	1.73	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
Chino Hills	East Carbon Canyon HOA	East Carbon Canyon HOA		Chino Hills	53%	3.70	14,248	4,584	22.23	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL									27.16	6.47

Table 2
City of Chino Hills
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	2	633	29	\$ 2,532.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	2	633	29	\$ 2,532.00
FY 2003-04				
Think Earth! It's Magic	1	761	33	\$ 3,044.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	1	761	33	\$ 3,044.00
FY 2004-05				
National Theater for Children	4	2,093	91	\$ 8,372.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	210	3	
TOTAL	5	2,303	94	\$ 8,372.00
FY 2005-06				
National Theater for Children	6	3,708	161	\$ 14,832.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	175	4	
TOTAL	7	3,883	165	\$ 14,832.00
FY 2006-07				
National Theater for Children	6	3,770	162	\$ 15,080.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	125	4	
TOTAL	7	3,895	166	\$ 15,080.00
FY 2007-08				
National Theater for Children	8	4,352	140	\$ 8,216.00
Garden In Every School	1	300	14	\$ 7,776.00
TOTAL	9	4,652	154	\$ 15,992.00
FY 2008-09				
National Theater for Children	9	4,177	169	\$ 8,352.00
Garden In Every School	1	502	24	\$ 4,500.00
TOTAL	10	4,679	193	\$ 12,852.00
FY 2009-10				
National Theater for Children	6	2,798	118	\$ 5,844.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	6	2,798	118	\$ 5,844.00
FY 2010-11				
National Theater for Children	8	3,625	161	\$ 7,861.52
Garden In Every School	0	0	0	\$ -
TOTAL	8	3,625	161	\$ 7,861.52
2002-2011 Totals	16	27,229	1113	\$ 86,409.52

CITY OF ONTARIO
Annual Water Use Efficiency Programs Report
FY 2010-2011



City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	10	138,487	0.43	8.50	0	350	500	850	4.0
High Efficiency Clothes Washers (HECW)	231	2,077,486	6.38	95.63	0	0	19,635	19,635	6.2
Rotating Nozzles for Pop-up Spray Heads	32	41,709	0.13	0.64	0	64	96	160	0.0
Weather based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	45	80	125	0.0
Synthetic Turf (1,176 Sq. Ft.)	1	53,648	0.16	1.65	0	529	353	882	10.7
FreeSprinklerNozzles.com Program	83	108,199	0.33	1.66	0	0	6,225	6,225	37.6
Residential Landscape Retrofit Program	52	8,799,300	27.00	255.00	0	21,414	17,709	39,123	2.9
Subtotal	410	11,324,740	35	366	0	22,402	44,898	67,000	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	1,009	13,973,306	42.88	857.65	74,000	35,981	50,450	160,431	7.5
Subtotal	1,009	13,973,306	43	857.65	74,000.06	35,981	50,450	160,431.00	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	18	719,675	2.21	44.17	0	900	3,600	4,500	4.1
PH Conductivity Controller	1	209,848	0.644	3.22	0	500	1,750	2,250	0.0
Weather based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	0	960	1,600	2,560	7.9
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	71	92,542	0.28	1.42	0	71	213	284	2.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	92	1,233,867	4	56.31	0.00	2,431	7,163	9,584.00	
TOTAL	1,511	26,531,913	81	1,279.29	74,000.06	60,813.94	102,210.80	237,024.80	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	36	498,552	1.53	30.60	0	1,260	1,800	3,060	4.0
High Efficiency Clothes Washers (HECW)	47	422,684	1.30	19.46	0	2,350	5,170	7,520	11.6
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Water Wise Landscape (Turf BuyBack) (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (2,720 Sq. Ft.)	5	124,084	0.38	3.81	0	1,224	818	2,040	10.7
Subtotal	88	1,045,330	3	53.87	0	4,834	7,786	12,620	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	55	761,677	2.34	46.75	4,034	1,961	9,075	15,070	12.9
Subtotal	55	761,677	2	46.75	4,033.70	1,961	9,075	15,070.00	
CII Save-A-Buck Rebate Program									
ULFT Tank	6	74,089	0.23	4.55	0	0	360	360	0.0
High Efficiency Toilets (HET)	2	27,697	0.09	1.70	0	270	330	600	14.2
Waterless Urinals	63	2,518,861	7.73	154.60	0	0	25,200	25,200	6.5
High Efficiency Clothes Washers	3	105,067	0.32	3.23	0	300	240	540	3.4
Water Brooms	1	49,986	0.15	0.77	0	0	150	150	2.0
Weather based Irrigation Controllers (WBIC)	16	1,694,425	5.20	52.00	0	6,120	10,200	16,320	6.3
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	1,377	1,794,787	5.51	27.54	0	0	5,508	5,508	2.0
Pre-Rinse Nozzles:	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	1,468	6,264,942	19	244.38	0.00	6,690	41,988	48,678.00	
TOTAL	1,611	8,071,948	25	345.00	4,033.70	13,485.30	58,849.00	76,368.00	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	1	12,350	0.04	0.76	0	0	60	60		3.2
High Efficiency Toilets (HET)	136	1,883,419	5.78	115.60	0	0	22,440	22,440		7.8
High Efficiency Clothes Washers (HECW)	140	1,259,088	3.86	57.96	0	0	15,400	15,400		8.0
Rotating Nozzles for Pop-up Spray Heads	54	70,384	0.22	1.08	0	0	216	216		2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	0	80	80		0.5
Water Wise Landscape (Turf BuyBack) (14,991 Sq. Ft.)	11	683,877	2.10	20.99	0	20,580	0	20,580		19.7
Synthetic Turf (13,174 Sq. Ft.)	15	600,987	1.84	18.44	0	3,952	0	3,952		8.6
Subtotal	358	4,616,005	14	218.08	0	24,532	42,148	66,680		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	757	10,483,441	32.17	843.45	55,518	26,985	124,905	207,418		12.9
Subtotal	757	10,483,441	32	843.45	55,518.38	26,985	124,905	207,418.00		
CII Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0		0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0		0.0
High Efficiency Toilets (HET)	266	3,683,746	11.31	226.10	0	35,910	43,890	79,800		14.2
Waterless Urinals	67	2,678,788	8.22	164.42	0	0	26,600	26,600		6.5
Conductivity Controller	0	0	0	0.00	0	0	0	0		0.0
High Efficiency Clothes Washers	2	17,987	0.05	0.55	0	200	160	360		13.1
Water Brooms	1	49,866	0.15	0.77	0	0	150	150		2.0
Weather Based Irrigation Controllers (WBIC)	39	4,130,161	12.68	126.75	0	0	26,091	26,091		4.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0		0.0
Rotating Nozzles for Pop-up Spray Heads	43	56,046	0.17	0.86	0	0	172	172		2.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0		0.0
Pre-Rinse Nozzles	3	149,566	0.46	2.30	0	0	180	180		0.8
Subtotal	421	10,766,280	33	521.74	0.00	36,110	87,443	133,553.00		
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0		0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0		0.0
Water Brooms	29	1,449,581	4.45	22.24	0	0	9,425	9,425		4.3
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0		0.0
Central Computer Irrigation Controllers (CCIC)	86	27,799,001	85.31	853.12	0	0	428,280	428,280		10.1
Synthetic Turf (163,285 Sq. Ft.)	1	7,448,921	22.86	228.60	0	0	122,464	122,464		10.7
Subtotal	116	36,697,503	113	1,103.96	0.00	0.00	560,168.75	560,168.75		
TOTAL	1,652	62,563,228	192	2,487.23	55,518.38	87,636.82	824,664.95	967,820.15		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
						IEUA	MWD	MWD		
FY 2007-2008										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	6	74,099	0.23	4.55	0	0	0	360	360	3.7
High Efficiency Toilets (HET)	9	124,638	0.38	7.65	0	0	0	1,485	1,485	9.1
High Efficiency Clothes Washers (HECW)	168	1,510,906	4.64	68.55	0	0	0	18,480	18,480	9.3
Rotating Nozzles for Pop-up Spray Heads	110	143,374	0.44	2.20	0	0	0	440	440	2.3
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	160	0	80	240	1.7
Water Wise Landscapes (Turf Buyback) (2,662 Sq. Ft.)	3	122,351	0.38	3.75	0	5,364	0	5,364	5,364	33.5
Synthetic Turf (4,977 Sq. Ft.)	5	227,046	0.70	6.97	0	1,493	0	1,313	2,806	9.4
Subtotal	302	2,308,316	7	97.92	0	7,017	0	22,158	29,175	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	708	8,743,625	26.83	536.66	51,925	25,247	0	42,480	119,652	10.4
Subtotal	708	8,743,625	27	536.66	51,925	25,247	0	42,480	119,652	
CII Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	8	98,798	0.30	6.06	0	0	0	1,080	1,080	8.3
High Efficiency Toilets (HET)	1,140	15,787,481	48.45	969.00	0	0	0	188,100	342,000	16.5
Waterless Urinals	262	2,356,294	7.23	108.47	0	0	0	104,800	104,800	33.9
Conductivity Controller	9	1,888,632	5.796	28.98	0	1,575	0	5,625	7,200	2.9
High Efficiency Clothes Washers	5	44,867	0.14	2.07	0	1,450	0	650	2,100	35.6
Water Brooms	1	49,986	0.15	0.77	0	0	0	150	150	2.3
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	1,425	20,226,158	62	1,115.35	0	156,925	0	300,405	457,330	
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	5	199,910	0.61	12.27	0	0	0	6,125	6,125	23.4
Water Brooms	7	349,898	1.07	5.37	0	0	0	2,660	2,660	5.8
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	12	549,808	2	17.64	0	0	0	8,785	8,785	
TOTAL	2,447	31,927,907	98	1,767.57	51,925	189,189	0	373,828	614,942	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) (1)
					City	IEUA	MWD			
FY 2006-2007										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	16	180,912	0.56	11.10	0	0	960	960	0	4.0
High Efficiency Toilets (HET)	3	41,546	0.13	2.55	0	0	795	795	0	14.6
High Efficiency Clothes Washers (HECW)	177	4,879,368	14.97	224.61	0	0	19,470	19,470	0	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	9	1,905,228	5.85	58.50	0	1,440	720	2,160	0	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	10	2,118,032	6.50	65.00	0	0	2,400	2,400	0	0.9
Subtotal	215	9,126,076	28	381.77	0	1,440	24,345	25,785		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
Multi-Family Toilet Program (HET/ULFT)	950	10,741,678	32.97	659.30	69,673	33,877	57,000	160,550	0	11.4
Subtotal	950	10,741,678	33	659.30	69,673	33,877	57,000	160,550		
CI Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	260	2,939,828	9.02	180.44	0	3,900	35,100	39,000	0	10.1
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Zero Water Urinal	0	0	0.00	0.00	0	0	0	0	0	0.0
Conductivity Controller	2	419,696	1.288	6.44	0	0	1,250	1,250	0	2.3
High Efficiency Clothes Washers (HECW)	41	1,130,247	3.47	52.03	0	2,870	5,350	8,200	0	5.5
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	14	2,965,244	9.10	91.00	0	0	8,820	8,820	0	2.3
Subtotal	317	7,455,015	23	330	0	6,770	50,600	57,270		
TOTAL	1,482	27,322,769	84	1,435	\$ 69,673	\$ 42,087	\$ 131,845	\$ 243,605		

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
					City	IEUA	MWD		
FY 2005-2006									
Residential Programs									
City Event (ULFT)	392	4,432,356	14	272.05	0	2,548	23,520	26,068	4.5
IEUA Regional Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	53	599,273	2	96.78	0	53	0	53	0.1
High Efficiency Clothes Washers	181	1,627,821	5.00	74.93	0	181	19,910	20,091	9.4
Subtotal	626	6,659,449	20	383.76	0.00	2,782.00	43,430.00	46,212.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	2,132	24,105,587	74	1,479.61	0	223,860	127,920	351,780	11.1
Subtotal	2,132	24,105,587	74	1,479.61	0	223,860	127,920	351,780	
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	672	7,598,324	23	466.37	0	672	40,320	40,992	0.0
Conductivity Controller (MWD Cil)	0	0	0	0.00	0	0	0	0	21.2
High Efficiency Clothes Washers	52	467,661	1.44	21.53	0	0	13,000	13,000	1.5
Water Brooms	2	99,971	0.31	1.53	0	0	200	200	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	13	2,753,441	8.45	84.50	0	0	0	0	0.0
Subtotal	739	10,919,397	34	574	0	672	63,520	64,192	
TOTAL	3,497	41,685,434	128	2565.23	0	\$227,314	\$224,870	\$452,184	

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
					City	IEUA	MWD		
FY 2004-2005									
Residential Programs									
City Event (ULFT)	214	2,419,704	7	148.52	0	1,391	12,840	14,231	4.5
IEUA Regional Event (ULFT)	11	124,377	0	7.63	0	121	660	781	4.8
IEUA Rebate Program (ULFT)	107	1,209,852	4	74.26	0	107	6,420	6,527	4.1
High Efficiency Clothes Washers	250	2,248,372	6.90	103.50	0	250	27,500	27,750	9.4
Pool Cover Rebates	7	119,574	0.37	1.83	0	371	0	371	2.4
Subtotal	589	6,121,880	19	335.74	0.00	2,240.00	47,420.00	49,660.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,066	12,053,294	37	739.80	0	111,930	63,960	175,890	11.1
Subtotal	1,066	12,053,294	37	739.80	0	111,930	63,960	178,890	
Cil Save-A-Buck Rebate Program									
ULFT (Tank)	5	56,535	0	3.47	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	21.2
High Efficiency Clothes Washers	1	8,993	0.03	0.41	0	0	250	250	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	3	3,128,170	9.60	48.00	0	0	6,000	6,000	1.5
Subtotal	9	3,183,698	10	52	0	0	6,250	6,250	
TOTAL	1,664	21,368,872	66	1193.01	0	\$114,170	\$117,630	\$231,860	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Ontario IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	City	Funding Sources (dollars)			Total	Payback Period (years) ⁽¹⁾
						IEUA	MWD	MWD		
FY 2003-2004										
Residential Programs										
City Event (ULFT)	405	4,579,347	14	281.07	0	810	24,300	25,110	4.7	
IEUA Regional Event (ULFT)	22	248,755	1	15.27	0	242	1,320	1,562	5.3	
IEUA Rebate Program (ULFT)	201	2,272,713	7	139.49	0	201	12,060	12,261	4.6	
High Efficiency Clothes Washers	226	2,032,528	6.24	93.56	0	226	24,860	25,086	5.7	
Pool Cover Rebates	28	802,654	2.46	12.30	0	0	0	1,484	2.4	
Subtotal	882	9,936,197	30	541.70	0.00	2,963.00	62,540.00	65,503.00		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
Multi-Family Program	512	5,789,199	18	355.33	0	17,408	30,720	48,128	4.2	
Subtotal	512	5,789,199	18	355.33	0	17,408	30,720	48,128		
CI Save-A-Buck Rebate Program										
High Efficiency Clothes Washers	51	456,668	1.41	21.11	0	0	12,750	12,750	5	
Water Brooms (Rebate)	7	349,899	1.07	5.37	0	0	700	700	1.5	
Water Brooms (Distribution)	82	4,098,815	12.58	62.89	0	8,200	8,200	16,400	3.1	
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	140	4,907,381	15	89	0	8,200	21,650	29,850		
TOTAL	1,534	20,632,777	63	986.40	0	\$28,571	\$114,910	\$143,481		

FY 2002-2003										
Residential Programs										
City Event (ULFT)	537	6,071,875	19	372.68	0	1,074	32,220	33,294	4.7	
IEUA Regional Event (ULFT)	174	1,967,423	6	120.76	0	1,914	10,440	12,354	5.3	
IEUA Rebate Program (ULFT)	18	203,527	1	12.49	0	18	1,080	1,098	4.3	
High Efficiency Clothes Washers	189	1,699,769	5.22	76.25	0	189	20,790	20,979	5.7	
Pool Cover Rebates	29	1,245,986	3.83	19.15	0	1,537	0	1,537	2.4	
Subtotal	947	11,189,580	34	603.32	0.00	4,732.00	64,530.00	69,262.00		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
Multi-Family Program	339	3,833,083	12	235.27	0	11,526	20,340	31,866	4.2	
Subtotal	339	3,833,083	12	235.27	0	11,526	20,340	31,866		
CI Save-A-Buck Rebate Program										
High Efficiency Clothes Washers	18	161,883	0.50	7.45	0	0	4,500	4,500	5.1	
Water Brooms	10	499,855	1.53	7.67	0	1,000	1,000	2,000	3.1	
Pre-Rinse Spray Nozzles	141	183,780	0.56	2.82	0	0	7,050	7,050	1.5	
X-Ray Film Processor (MWD CII)	2	2,085,446	6.40	32.00	0	0	4,000	4,000	1.6	
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Subtotal	171	2,930,965	9	49.94	0.00	1,000.00	16,550.00	17,550.00		
TOTAL	1,457	17,953,627	55	943.63	0	\$17,258	\$101,420	\$118,678		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings (WFR)	Recommendations
City of Ontario	Dale Briggs	Dale Briggs	1230 W Philadelphia	Ontario	62%	0.07	588	166	1	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
TOTAL										
1										
0.07										

FY 08/09

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings (WFR)	Recommendations
City of Ontario	Cedar Point HOA	Cedar Point HOA	837 Mission Blvd	City of Ontario	65%	2.90	11,602	4,211	16.9	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Cypress Park	Cypress Park	S. Cypress Ave	City of Ontario	60%	3.20	8,166	4,568	8.2	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Del Rancho Park	Del Rancho Park	S. Cypress Ave	City of Ontario	55%	4.30	7,336	6,070	2.9	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Ontario	Euclid Median, State St south to Mission Blvd	Euclid Median, State St south to Mission Blvd	Euclid Median, State St south to Mission Blvd	City of Ontario	67%	1.70	2,393	2,475	0	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Kimball Park	Kimball Park	E. Walnut St	City of Ontario	51%	5.50	7,713	7,734	0	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mountain Village Town Homes	Mountain Village Town Homes	1138 W. Francis St	City of Ontario	55%	0.20	1,562	646	2.1	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Ranch Park	Ranch Park	E. Clydesdale st	City of Ontario	60%	1.70	3,949	2,480	3.3	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Ontario	TSEC Investments	TSEC Investments	2551 S. Euclid Ave	City of Ontario	70%	0.13	1,618	178	3.3	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Chaffey High School Chaffey Joint Union High School District	Chaffey High School Chaffey Joint Union High School District	1245 N. Euclid Ave	Ontario	56%	24.38	29,115	34,348	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Ontario	Corona Elementary Ontario-Montclair School District	1149 North Corona	Ontario	63%	3.80	9,862	5,438	10.17	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Del Norte Elementary Ontario-Montclair School District	850 North Dal Norte Ave	Ontario	63%	5.00	10,344	7,043	7.58	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mt Zion Baptist Church	224 W California St.	Ontario	51%	0.17	405	242	0.37	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Park Vista HOA	1031 S. Palmetto	Ontario	58%	1.72	3,567	2,424	2.52	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Vina Danks Middle School Ontario-Montclair School District	1020 North Vine Avenue	Ontario	80%	4.25	10,043	n/a	10.80	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Vineyard School Ontario-Montclair School District	1500 East 6th Street	Ontario	46%	3.87	n/a	n/a	n/a	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Haven Business Park	3350-3380 Shelby St	Ontario	54%	1.39	2594	1958	1.46	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	First Assembly of God Church - Ontario	1458 North Grove Ave	Ontario	57%	0.31	1402	432	2.23	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL									71.93

64.53

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings (AF/yr)	Particular Findings
City of Ontario	Cuthbertson, Pam	Cuthbertson, Pam	1330 N. Chatfey Ct	City of Ontario	No Test	0.07	10	81	0	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Darion, Rick	Darion, Rick	3235 Clover Ln	City of Ontario	64%	0.12	141	146	0	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mission Woods	Mission Woods	1309 W. Mission Ave	City of Ontario	56%	1.68	9,498	2,000	17.21	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Portofino	Portofino	3107 S. Deek Creek Loop	City of Ontario	42%	1.49	8,524	1,833	15.36	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Stoneridge Court	Stoneridge Court	1100 - 1500 Stoneridge Ct	City of Ontario	41%	2.08	2,568	2,202	0.64	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL									33.42	

5.39

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 10/11

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in GCF/HCF	Estimated Water Needs (Assumedly GCF/HCF)	Potential Savings ACRY	Recommendations
City of Ontario	Cuthbertson, Pam	Cuthbertson, Pam	1330 N. Chaffey Ct	Ontario	No Test	0.07	10	81	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Dorion, Rick	Dorion, Rick	3235 Clover Ln	Ontario	64%	0.12	141	146	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Alzo Nobel	Alzo Nobel	2160 Eleven Ave	Ontario	54%	0.16	513	171	0.78	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	Parkwood HOA	Parkwood HOA		Ontario	60%	2.64	7310	3152	9.55	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
TOTAL						2.99			10.34	

Table 3
City of Ontario
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	1	799	31	\$ 3,196.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	1	799	31	\$ 3,196.00
FY 2003-04				
Think Earth! It's Magic	1	796	39	\$ 3,184.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	1	796	39	\$ 3,184.00
FY 2004-05				
National Theater for Children	10	4,089	178	\$ 16,356.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	10	2	
TOTAL	11	4,099	180	\$ 16,356.00
FY 2005-06				
National Theater for Children	9	4,510	196	\$ 18,040.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	195	4	
TOTAL	10	4,705	200	\$ 18,040.00
FY 2006-07				
National Theater for Children	7	3,960	26	\$ 15,840.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	180	6	
TOTAL	8	4,140	32	\$ 15,840.00
FY 2007-08				
National Theater for Children	6	3,207	103	\$ 6,162.00
Garden In Every School	0	0	0	
TOTAL	6	3,207	103	\$ 6,162.00
FY 2008-09				
National Theater for Children	7	2,910	116	\$ 6,496.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	7	2,910	116	\$ 6,496.00
FY 2009-10				
National Theater for Children	8	3,520	131	\$ 7,792.00
Garden In Every School	1	849	37	\$ 2,750.00
TOTAL	9	4,369	168	\$ 10,542.00
FY 2010-11				
National Theater for Children	11	5,000	222	\$ 10,809.59
Garden In Every School	0	0	0	\$ -
TOTAL	11	5,000	222	\$ 10,809.59
2002-2011 Totals	64	30,025	1,091	\$ 90,625.59

CITY OF UPLAND
Annual Water Use Efficiency Programs Report
FY 2010-2011



City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	13	180,033	0.55	11.05	0	455	650	1,105	4.0
High Efficiency Clothes Washers (HECW)	229	2,059,509	6.32	94.81	0	0	19,485	19,485	6.2
Rotating Nozzles for Pop-up Spray Heads	247	321,941	0.99	4.94	0	494	741	1,235	2.5
Weather Based Irrigation Controllers (WBIC)	5	529,508	1.63	16.25	0	225	400	625	0.0
Synthetic Turf (694 Sq. Ft.)	1	31,664	0.10	0.97	0	312	208	521	10.7
FreeSprinklerNozzles.com Program	430	560,548	1.72	8.80	0	0	32,250	32,250	37.6
Residential Landscape Retrofit Program	17	4,562,800	14.00	117.00	0	11,287	8,831	20,118	2.9
Subtotal	942	8,245,802	25	253.62	0.00	12,773.33	62,545.20	75,318.53	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	117	1,820,294	4.97	99.45	8,581	4,172	5,850	18,603	7.5
Subtotal	117	1,820,294	5	99.45	8,580.78	4,172	5,850	18,603.00	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	30	415,460	1.28	25.50	0	1,050	1,500	2,550	4.0
Waterless Urinals	5	199,910	0.61	12.27	0	260	1,000	1,260	0.0
PH Conductivity Controller	1	209,848	0.64	3.22	0	500	1,750	2,250	0.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	480	1,200	1,680	10.4
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	37	931,119	3	44.24	0.00	2,280	5,450	7,730.00	
TOTAL	1,096	10,797,216	33	397.31	8,580.78	19,225.55	73,845.20	101,651.53	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)					Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2009-2010										
Residential Rebate Programs										
High Efficiency Toilets (HET)	56	775,525	2.38	47.60	0	1,960	2,800	4,760		4.0
High Efficiency Clothes Washers (HECW)	63	566,590	1.74	26.08	0	3,150	6,930	10,080		11.6
Rotating Nozzles for Pop-up Spray Heads	35	45,619	0.14	0.70	0	70	140	210		3.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0		0.0
Water Wise Landscape (Turf Buy Back) (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0		0.0
Synthetic Turf (8,348 Sq. Ft.)	4	380,829	1.17	11.69	0	3,757	2,504	6,261		10.7
Subtotal	158	1,768,863	5	86.07	0	8,937	12,374	21,311		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	4	55,395	0.17	3.40	293	143	660	1,096		12.9
Subtotal	4	55,395	0	3.40	293.36	143	660	1,096.00		
Cil Save-A-Buck Rebate Program										
ULFT Tank	0	0	0.00	0.00	0	0	0	0		0.0
High Efficiency Toilets (HET)	198	2,742,036	8.42	168.30	0	26,730	32,670	59,400		14.2
Waterless Urinals	22	879,602	2.70	53.99	0	0	8,800	8,800		0.0
High Efficiency Clothes Washers	29	260,811	0.80	8.00	0	2,900	2,320	5,220		0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0		0.0
Weather Based Irrigation Controllers (WBIC)	22	2,329,835	7.15	71.50	0	1,680	14,014	15,694		0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0		0.0
Rotating Nozzles for Pop-up Spray Heads	1,642	2,140,189	6.57	32.84	0	0	6,568	6,568		0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0		0.0
Subtotal	1,913	8,352,474	26	334.63	0.00	31,310	64,372	89,114.00		
TOTAL	2,075	10,176,431	31	424.10	293.36	40,389.24	77,406.40	111,521.00		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)				Payback Period (years) (1)
						IEUA	MWD	Total	Total	
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	74	1,024,801	3.15	62.90	0	0	12,210	0	12,210	7.8
High Efficiency Clothes Washers (HECW)	155	1,393,991	4.28	64.17	0	0	17,050	0	17,050	8.0
Rotating Nozzles for Pop-up Spray Heads	20	26,068	0.08	0.40	0	0	80	0	80	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	0	80	0	80	0.5
Water Wise Landscape (Turf Buy Back) (28,677 Sq. Ft.)	21	1,308,220	4.01	40.15	0	35,878	0	35,878	35,878	17.9
Synthetic Turf (8,348 Sq. Ft.)	13	380,829	1.17	11.69	0	2,504	0	2,504	2,504	8.6
Subtotal	284	4,239,810	13	182.56	0	38,382	0	38,382	70,307	
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	339	4,694,698	14.41	288.15	24,862	12,089	55,935	92,886	92,886	12.9
Subtotal	339	4,694,698	14	288.15	24,862.26	12,089	55,935	92,886.00		
CII Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	162	2,243,484	6.89	137.70	0	21,870	26,730	48,600	48,600	14.2
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	162	2,243,484	7	137.70	0.00	21,870	26,730	48,600.00		
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	51	10,120,606	31.06	310.59	0	0	84,498	84,498	84,498	5.5
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	51	10,120,606	31	310.59	0.00	0.00	84,497.82	84,497.82	84,497.82	
TOTAL	836	21,298,599	65	919.00	24,862.26	72,341.14	199,087.22	296,290.62		

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	27	333,443	1.02	20.47	0	0	1,620	1,620	3.7
High Efficiency Toilets (HET)	15	207,730	0.64	12.75	0	0	2,475	2,475	9.1
High Efficiency Clothes Washers (HECW)	236	2,122,463	6.51	97.70	0	0	25,960	25,960	9.3
Rotating Nozzles for Pop-up Spray Heads	143	186,387	0.57	2.86	0	0	572	572	2.3
Weather Based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	0	320	160	480	1.7
Water Wise Landscape (Turf Buy Back) (6,587 Sq. Ft.)	8	391,732	1.20	12.02	0	17,174	0	17,174	33.5
Synthetic Turf (9,919 Sq. Ft.)	11	452,496	1.39	13.89	0	2,976	2,976	5,951	10.0
Subtotal	442	3,806,054	12	166.19	0	20,470	33,763	54,232	69.7
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	1,541	19,030,969	58.40	1,168.08	113,017	54,952	92,460	260,429	10.4
Subtotal	1,541	19,030,969	58	1,168.08	113,016.94	54,952.06	92,460.00	260,429.00	10.4
CI Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	1	12,350	0.04	0.76	0	0	135	135	8.3
High Efficiency Toilets (HET)	472	6,536,571	20.06	401.20	0	63,720	77,880	141,600	16.5
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	31	278,796	0.86	12.83	0	8,990	4,090	13,020	35.6
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	504	6,827,719	21	414.79	0.00	72,710.00	82,045.00	154,765.00	60.5
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0
TOTAL	2,487	29,764,742	91	1,749.06	113,016.94	148,131.76	208,267.70	469,416.40	0.0

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	
FY 2006-2007								
Residential Programs								
Ultra Low Flush Toilets (ULFT)	56	633,194	1.94	38.86	0	0	3,360	3,360
High Efficiency Toilets (HET)	5	69,243	0.21	4.25	0	0	1,325	1,325
High Efficiency Clothes Washers (HECW)	238	6,560,945	20.13	302.02	0	0	26,180	26,180
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0
Weather Based Irrigation Controllers (WBIC) - Rebate	2	423,606	1.30	13.00	0	320	480	480
Weather Based Irrigation Controllers (WBIC) - Distribution	109	23,086,543	70.85	708.50	0	0	26,160	26,160
Subtotal	410	30,773,631	92	1,066.64	0	320	53,925	54,145
IEUA Multi-Family Direct Install Prog (HET/ULFT)								
Multi-Family Toilet Program (HET/ULFT)	1,008	11,397,486	34.98	689.55	73,927	35,945	60,480	170,352
Subtotal	1,008	11,397,486	35	689.55	73,926.72	35,945.28	60,480.00	170,352.00
CII Save-A-Buck Rebate Program								
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0
ULFT Tank	0	0	0.00	0.00	0	0	0	0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0
Zero Water Urinal	2	79,833	0.25	4.90	0	0	800	800
Conductivity Controller	1	209,848	0.644	3.22	0	0	625	625
High Efficiency Clothes Washers (HECW)	1	27,567	0.08	1.27	0	70	130	200
Water Brooms	0	0	0.00	0.00	0	0	0	0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0
Subtotal	4	317,249	1	9.39	0.00	70.00	1,555.00	1,625.00
TOTAL	1,422	42,488,266	128	1775.58	\$73,927	\$36,335	\$115,860	\$226,122

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	City	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (JULFT)	1,248	14,111,173	43	886.11	0	8,112	74,880	82,992	4.5
IEUA Regional Event (JULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Rebate Program (JULFT)	153	1,729,976	5	106.18	0	153	9,180	9,333	4.1
High Efficiency Clothes Washers	222	1,996,554	6.13	91.91	0	222	24,420	24,642	9.4
Subtotal	1,823	17,837,703	55	1,064.20	0.00	8,487.00	108,480.00	116,967.00	
IEUA Multi-Family Direct Install Prog. (HET/JULFT)									
Multi-Family Program	930	10,515,538	32	645.42	0	97,650	55,800	153,450	11.1
Subtotal	930	10,515,538	32	645.42	0.00	97,650.00	55,800.00	153,450.00	11.1
CI Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	11	98,928	0.30	4.55	0	0	2,750	2,750	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	11	98,928	0	5	0	0	2,750	2,750	0.0
TOTAL	2,564	28,452,169	87	1714.18	0	\$106,137	\$167,030	\$273,167	

FY 2004-2005									
Residential Programs									
City Event (JULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (JULFT)	11	124,377	0	7.63	0	121	680	781	4.8
IEUA Rebate Program (JULFT)	126	1,424,686	4	87.44	0	126	7,560	7,686	4.1
High Efficiency Clothes Washers	287	2,581,131	7.92	118.82	0	287	31,570	31,857	9.4
Pool Cover Rebates	14	239,148	0.73	3.87	0	742	0	742	2.4
Subtotal	438	4,369,342	13	217.57	0.00	1,276.00	39,790.00	41,066.00	
IEUA Multi-Family Direct Install Prog. (HET/JULFT)									
Multi-Family Program	981	11,092,196	34	680.81	0	103,005	58,860	161,865	11.1
Subtotal	981	11,092,196	34	680.81	0.00	103,005.00	58,860.00	161,865.00	11.1
CI Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	3	26,980	0.08	1.24	0	0	750	750	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	3	26,980	0	1	0	0	750	750	0.0
TOTAL	1,422	15,488,519	48	899.62	0	104,281	99,400	203,681	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

City of Upland IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾	
					City	IEUA	MWD		Total
FY 2003-2004									
Residential Programs									
City Event (ULFT)	100	1,130,703	3	69.40	0	200	6,000	6,200	4.8
IEUA Regional Event (ULFT)	44	497,509	2	30.54	0	484	2,640	3,124	5.3
IEUA Rebate Program (ULFT)	227	2,566,696	8	157.54	0	227	13,620	13,847	4.6
High Efficiency Clothes Washers	244	2,194,411	6.73	101.02	0	244	26,840	27,084	5.7
Pool Cover Rebates	63	802,854	2.46	12.30	0	3,339	0	3,339	2
Subtotal	678	7,192,173	22	370.79	0.00	4,494.00	48,100.00	53,594.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	116	1,311,615	4	80.50	0	3,944	6,960	10,904	4.2
Subtotal	116	1,311,615	4	80.50	0	3,944	6,960	10,904	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	16	143,896	0.44	6.82	0	0	4,000	4,000	5
Water Brooms (Rebates)	17	849,754	2.61	13.04	0	1,700	1,700	3,400	3.1
Water Brooms (Distribution)	1	49,986	0.15	0.77	0	0	100	100	1.2
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0
Subtotal	34	1,043,636	3	20	0	1,700	5,800	7,500	
TOTAL	828	9,547,424	29	471.72	0	\$10,138	\$61,860	\$71,998	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	100	1,130,703	3	69.40	0	200	6,000	6,200	4.8
IEUA Regional Event (ULFT)	39	440,974	1	27.07	0	429	2,340	2,769	5.5
IEUA Rebate Program (ULFT)	12	135,684	0	8.33	0	12	720	732	4.3
High Efficiency Clothes Washers	239	2,149,444	6.60	98.95	0	239	26,290	26,529	5.7
Pool Cover Rebates	20	1,246,986	3.83	19.15	0	1,060	0	1,060	2.1
Subtotal	410	5,103,791	16	222.89	0.00	1,940.00	35,350.00	37,290.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	83	938,483	3	57.60	0	2,822	4,980	7,802	4.1
Subtotal	83	938,483	3	57.60	0	2,822	4,980	7,802	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	18	161,883	0.50	7.45	0	0	4,500	4,500	5.0
Water Brooms	11	549,841	1.69	8.44	0	1,100	1,100	2,200	3.1
Pre-Rinse Spray Nozzles	65	84,721	0.26	1.30	0	0	3,250	3,250	0.5
X-Ray Film Processor (MWD Cil)	0	0	0.00	0.00	0	0	0	0	0
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	94	796,445	2	17.19	0.00	1,100.00	8,850.00	9,950.00	
TOTAL	587	6,838,720	21	297.68	0	5,862	49,180	55,042	

⁽¹⁾ Payback period = Total direct program costs / AF saved/year x MWD Tier II rate/AF

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
City of Upland	Mountain Green Shopping Center/Pan Pacific Retail Properties	Mountain Green Shopping Center/Pan Pacific Retail Properties	1255 W 7th St	Upland	56%	0.88	6960	1968	11.5	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
City of Upland	Upland Country Village/H W L Properties	Upland Country Village/H W L Properties	929 E. Foothill Blvd	Upland	54%	0.84	5827	1784	9.3	Install Weather Based System, Participate in all nozzle upgrade program
City of Upland	Parc Chateau HOA	Parc Chateau HOA	23rd St/Mountain Ave.	Upland	60%	4.36	16239	10123	14.1	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Arrow Park Townhomes HOA	Arrow Park Townhomes HOA	1248 W 13th St	Upland	47%	1.22	10866	2718	16.7	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Mountain Villas Complex	Mountain Villas Complex	964 W Arrow Hwy	Upland	38%	0.85	9174	1885	17.4	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
TOTAL										
8.15										
70.94										

FY 08/09

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
City of Upland	Barbara Papakonstantinou	Barbara Papakonstantinou	687 Camphor Way	Upland	68%	0.05	155	81	0.17	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Robert Steece	Robert Steece	1360 Erin Ave	Upland	57%	0.03	372	44	0.75	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Stanley Brody	Stanley Brody	1483 13th Ave	Upland	No Test	0.04	278	173	0.24	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Upland N Hills HOA	Upland N Hills HOA	1211 Parkview Circle	Upland	60%	2.10	6,871	4,680	5.0	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Yu Chang	Yu Chang	220 W Burlington St	Upland	78%	0.12	624	265	0.82	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Home Depot #1083	Home Depot #1083	1401 E 19th St	Upland	70%	1.00	6,768	1,405	12.30	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Northwood Upland Apartments II	Northwood Upland Apartments II	1662 W Arrow Highway	Upland	60%	5.05	12,640	7,112	12.70	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Pepperdale Condo Association	Pepperdale Condo Association	435 W 9th St	Upland	42%	0.97	3,230	1,368	4.30	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Upland	Pres-Mountain Grove LP	818 N Mountain Ave	Upland	60%	0.78	7,418	1,100	14.50	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Villa Montelena HOA	905 Baseline Ave	Upland	78%	1.88	12,153	2,378	22.47	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Brian Kennedy	2383 N. Euclid Ave.	Upland	45%	0.23	896	395	1.15	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Mountain View Park	Mildura Ave	Upland	65%	2.7	9,188	3,784	12.42	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Mountain View Park	Mildura Ave	Upland	65%	2.7	9,188	3,784	12.42	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Mountain View Park	Mildura Ave	Upland	65%	2.7	9,188	3,784	12.42	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Mountain View Park	Mildura Ave	Upland	65%	2.7	9,188	3,784	12.42	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Rancho Monte Vista	2116 W Arrow Rte.	Upland	55%	2.53	7710	3664	9.52	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

TOTAL **25.38** **133.63**

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings ACFR	Recommendations
City of Upland	Mallorca HOA	Mallorca HOA	Mallorca St	Upland	65%	2.67	10182	3757	14.75	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Astadorian, Judy	Astadorian, Judy	1835 Wilson Ave	Upland	60%	0.68	1589	839	1.72	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Astadorian, Judy	Astadorian, Judy	155 S. Campus Ave	Upland	No Test	0.07	8	60	0	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Astadorian, Judy	Astadorian, Judy	165 N. 12th Street	Upland	No Test	0.11	12	101	0	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Astadorian, Judy	Astadorian, Judy	196 N. 12th Street	Upland	No Test	0.08	9	67	0	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Ellis, Mary	Ellis, Mary	1770 N. Euclid Ave	Upland	No test	0.19	384	232	0.30	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Peltier, Lori	Peltier, Lori	1941 Oceanaire Way	Upland	61%	0.49	964	598	0.84	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Rasool, Imtiaz	Rasool, Imtiaz	25 W. 17th Street	Upland	65%	0.46	1792	669	2.81	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Thiele, Rick & Dawn	Thiele, Rick & Dawn	2393 N. Mountain Ave	Upland	No	0.75	741	656	0.20	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Vagenas, Pete	Vagenas, Pete	255 W 21st Street	Upland	60%	1.95	5447	2404	6.99	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Warren Bob & Susie	Warren Bob & Susie	1741 N Palm Ave	Upland	65%	0.32	965	391	1.32	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Waite, Don	Waite, Don	2026 Winston Ct	Upland	79%	0.22	988	289	1.65	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.

TOTAL

7.97

30.57

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 10/11

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in GCFHCF	Estimated Water Needs (Annually) GCFHCF	Potential Savings (A/yr)	Recommendations
City of Upland	Kroll, Carolyn	Kroll, Carolyn	1322 Diane Ct	Upland	61%	0.07	206	92	0.26	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Chapman, Sharon	Chapman, Sharon	3778 N. 2nd Ave	Upland	23%	0.05	118	64	0.12	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Binkley, Charles & Sheila	Binkley, Charles & Sheila	275 Emerson St	Upland	49%	0.24	665	301	0.84	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Horschak, Steve	Horschak, Steve	1166 Jefferson St	Upland	56%	0.17	709	208	1.15	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Draper, Janet	Draper, Janet	656 Valley View Ct	Upland	56%	0.22	827	289	1.28	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Morsey, Harvey	Morsey, Harvey	2240 N. Euclid Ave	Upland	42%	0.45	1121	550	1.29	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Shepherd, Jerry	Shepherd, Jerry	1903 Redding Way	Upland	50%	0.13	308	165	0.33	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Francis, Nadine	Francis, Nadine	701 W. 24th St	Upland	71%	0.14	424	175	0.57	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Hinkle, Millie	Hinkle, Millie	2509 Spring Terrace	Upland	59%	0.14	440	178	0.60	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Prince, Aubrey	Prince, Aubrey	2509 Spring Terrace	Upland	No Test	0.07	457	91	0.77	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Traficante, Frank	Traficante, Frank	701 W. 24th St	Upland	63%	0.07	129	81	0.09	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Vello, Alexander	Vello, Alexander	2509 Spring Terrace	Upland	53%	0.13	486	162	0.77	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Olsen, Linda	Olsen, Linda	701 W. 24th St	Upland	57%	0.28	710	350	0.80	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU
City of Upland	Sanchez, Jose	Sanchez, Jose	2509 Spring Terrace	Upland	No Test	0.20	483	251	0.53	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads. Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Upland	Anderson, Tracy	Anderson, Tracy	1749 Redwood Wy	Upland	46%	0.07	403	85	0.73	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Clark, Cristina	Clark, Cristina	1173 Popperree Ln	Upland	52%	0.23	706	284	0.97	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Granajo, Erwin	Granajo, Erwin	2274 N Campus Ave	Upland	57%	0.21	528	265	0.60	improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Koreak, Walter	Koreak, Walter	1697 Redding Way	Upland	59%	0.18	640	238	0.92	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Mt View Free Methodist Church	Mt View Free Methodist Church	1020 W. 8th St	Upland	51%	0.48	1692	686	3.23	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland										
City of Upland	Majumdar, Vicki	Majumdar, Vicki	1555 Otisville Ave	Upland	60%	0.13	273	156	0.27	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Pudge, Susan	Pudge, Susan	290 Grant St.	Upland	53%	0.15	151	185	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

TOTAL

3.87

16.12

Table 4
City of Upland
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	2	1,327	58	\$ 5,308.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	2	1,327	58	\$ 5,308.00
FY 2003-04				
Think Earth! It's Magic	2	123	7	\$ 492.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	2	123	7	\$ 492.00
FY 2004-05				
National Theater for Children	7	2,911	127	\$ 11,644.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	485	8	
TOTAL	8	3,396	135	\$ 11,644.00
FY 2005-06				
National Theater for Children	2	890	39	\$ 3,560.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	230	6	
TOTAL	3	1,120	45	\$ 3,560.00
FY 2006-07				
National Theater for Children	8	3,002	130	\$ 12,008.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	240	8	
TOTAL	9	3,242	138	\$ 12,008.00
FY 2007-08				
National Theater for Children	2	1,145	37	\$ 2,054.00
Garden In Every School	1	782	67	\$ 7,776.00
TOTAL	3	1,927	104	\$ 9,830.00
FY 2008-09				
National Theater for Children	2	540	14	\$ 1,856.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	2	540	14	\$ 1,856.00
FY 2009-10				
National Theater for Children	2	730	31	\$ 1,948.00
Garden In Every School	1	736	32	\$ 3,000.00
TOTAL	3	1,466	63	\$ 4,948.00
FY 2010-11				
National Theater for Children	1	770	38	\$ 982.69
Garden In Every School	0	0	0	\$ -
TOTAL	1	770	38	\$ 982.69
2002-2011 Totals	33	13,911	602	\$ 50,628.69

CUCAMONGA VALLEY WATER DISTRICT
Annual Water Use Efficiency Programs Report
FY 2010-2011



Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	44	609,341	1.87	37.40	0	1,540	2,200	3,740	4.0
High Efficiency Clothes Washers (HECW)	685	6,160,539	18.91	283.59	0	0	58,225	58,225	6.2
Rotating Nozzles for Pop-up Spray Heads	493	642,578	1.97	9.86	0	986	1,479	2,465	2.5
Weather Based Irrigation Controllers (WBIC)	11	1,164,917	3.58	35.75	0	495	880	1,375	0.8
Synthetic Turf (6,587 Sq. Ft.)	7	300,538	0.92	9.22	0	2,984	1,976	4,940	10.7
FreeSprinklerNozzles.com Program	285	371,526	1	5.70	0	0	21,375	21,375	37.6
Subtotal	1,525	9,249,440	28	381.52	0.00	5,985.15	86,135.10	92,120.25	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	287	3,974,568	12.20	243.95	21,049	10,234	14,350	45,633	0.0
Subtotal	287	3,974,568	12	243.95	21,048.58	10,234	14,350	45,633.00	
CIU Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	9	359,837	1.10	22.09	0	450	1,800	2,250	4.1
PH Conductivity Controller	2	419,696	1.29	6.44	0	1,000	3,500	4,500	7.0
Weather Based Irrigation Controllers (WBIC)	43	4,563,768	13.98	139.75	0	9,275	22,175	31,450	4.5
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	2,998	3,907,605	11.99	59.96	0	2,998	8,994	11,992	2.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	3,052	9,240,906	28	228.24	0.00	13,723	36,469	50,192.00	
TOTAL	4,864	22,464,914	69	853.71	21,048.58	29,942.57	136,954.10	187,945.25	

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	Payback Period (years) ⁽¹⁾	
FY 2009-2010										
Residential Rebate Programs										
High Efficiency Toilets (HET)	65	900,163	2.76	55.25	0	2,275	3,250	5,525		4.0
High Efficiency Clothes Washers (HECW)	122	1,097,205	3.37	50.51	0	6,100	13,420	19,520		11.6
Rotating Nozzles for Pop-up Spray Heads	216	281,535	0.86	4.32	0	432	864	1,296		3.0
Weather Based Irrigation Controllers (WBIC)	7	741,311	2.28	22.75	0	0	519	519		0.5
Water Wise Landscape (Turf Buy Back) (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0		0.0
Synthetic Turf (17,168 Sq. Ft.)	13	783,189	2.40	24.04	0	7,726	5,150	12,876		10.7
Subtotal	423	3,803,405	12	156.86	0	16,533	23,203	39,736		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	129	1,786,478	5.48	109.65	9,461	4,600	21,285	35,346		0.0
Subtotal	129	1,786,478	5	109.65	9,460.86	4,600	21,285	35,346.00		
CII Save-A-Buck Rebate Program										
ULFT Tank	1	12,350	0.04	0.76	0	0	60	60		3.2
High Efficiency Toilets (HET)	7	96,941	0.30	5.95	0	945	1,155	2,100		14.2
Waterless Urinals	144	5,757,396	17.67	353.38	0	0	57,600	57,600		6.5
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0		0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0		0.0
Weather Based Irrigation Controllers (WBIC)	49	5,189,177	15.93	159.25	0	15,795	27,548	43,283		5.5
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0		0.0
Rotating Nozzles for Pop-up Spray Heads	8,081	10,532,808	32.32	161.62	0	0	32,324	32,324		0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0		0.0
Subtotal	8,282	21,588,671	66	680.95	0.00	16,680	118,687	135,367.00		
TOTAL	8,834	27,178,554	83	947.47	9,460.86	37,812.74	163,175.40	210,449.00		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total		
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	3	37,049	0.11	2.27	0	0	180	0	180	3.2
High Efficiency Toilets (HET)	287	4,113,054	12.62	252.45	0	0	49,005	0	49,005	7.8
High Efficiency Clothes Washers (HECW)	323	2,904,896	8.91	133.72	0	0	35,530	0	35,530	8.0
Rotating Nozzles for Pop-up Spray Heads	575	749,457	2.30	11.50	0	0	2,300	0	2,300	2.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	0	0	320	0	320	0.5
Water Wise Landscape (Turf Buy Back) (66,317 Sq. Ft.)	49	3,025,325	9.28	92.84	0	87,921	0	87,921	87,921	19.0
Synthetic Turf (35,987 Sq. Ft.)	43	1,641,686	5.04	50.38	0	10,796	0	10,796	10,796	8.6
Subtotal	1,294	12,895,084	40	556.17	0	98,717	0	98,717	196,848	
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0	0.00	
CIU Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	1	12,350	0.04	0.76	0	0	60	0	60	3.2
High Efficiency Toilets (HET)	587	8,129,168	24.95	498.95	0	0	96,855	0	96,855	14.2
Waterless Urinals	162	6,477,071	19.88	397.55	0	79,245	0	64,800	64,800	6.5
Conductivity Controller	4	839,392	2.576	12.88	0	175	0	2,500	2,675	2.1
High Efficiency Clothes Washers	3	26,980	0.08	0.83	0	300	0	240	540	13.1
Water Brooms	3	149,957	0.46	2.30	0	0	450	0	450	2.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3.25	32.50	0	0	6,690	0	6,690	4.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	770	16,693,933	51	945.77	0.00	79,720	171,595	251,315.00		
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	16	799,769	2.45	12.27	0	0	5,603	0	5,603	4.6
Weather Based Irrigation Controllers (WBIC)	22	4,365,752	13.40	133.98	0	0	36,539	0	36,539	5.5
Central Computer Irrigation Controllers (CCIC)	25	8,081,105	24.80	248.00	0	0	109,880	0	109,880	8.9
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	63	13,246,625	41	394.25	0.00	0.00	162,021.98	152,021.99		
TOTAL	2,127	42,835,643	131	1,896.19	0.00	178,437.10	421,748.09	600,185.19		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	IEUA	MWD	Total	Funding Sources (dollars)		Payback Period (years) ⁽¹⁾
									AF Saved (year)	AF Saved Lifetime	
FY 2007-2008											
Residential Rebate Programs											
Ultra Low Flush Toilets (ULFT)	49	605,138	1.86	37.14	0	0	2,940	2,940			3.7
High Efficiency Toilets (HET)	45	623,190	1.91	38.25	0	0	7,425	7,425			9.1
High Efficiency Clothes Washers (HECW)	457	4,110,024	12.61	189.20	0	0	50,270	50,270			9.3
Rotating Nozzles for Pop-up Spray Heads	616	802,897	2.46	12.32	0	0	2,464	2,464			2.3
Weather Based Irrigation Controllers (WBIC)	15	1,588,524	4.88	48.75	0	2,400	1,200	3,600			1.7
Water Wise Landscape (Turf Buy Back) (6,199 Sq. Ft.)	6	374,031	1.15	11.48	0	16,398	0	16,398			33.5
Synthetic Turf (33,087 Sq. Ft.)	34	1,509,400	4.63	46.32	0	9,926	9,926	19,852			10.0
Subtotal	1,222	9,613,204	30	383.46	0	28,724	74,225	102,949			
IEUA Multi-Family Direct Install Prog. (HET/ULFT)											
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	1,034	12,769,644	39.19	763.77	75,834	36,872	62,040	174,746			10.4
Subtotal	1,034	12,769,644	39	763.77	75,833.56	36,872.44	62,040.00	174,746.00			
CI/ Save-A-Buck Rebate Program											
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0			0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0			0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0			0.0
Waterless Urinals	206	8,236,275	25.28	505.52	0	0	82,400	82,400			7.6
Conductivity Controller	1	209,848	0.844	3.22	0	175	625	800			2.9
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0			0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0			0.0
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	0	0	1,890	1,890			4.5
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0			0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0			0.0
Subtotal	210	8,763,828	27	518.49	0.00	176.00	84,915.00	86,090.00			
MWD Public Sector Program											
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0			0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0			0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0			0.0
Weather Based Irrigation Controllers (WBIC)	42	6,377,556	19.57	195.72	0	0	42,168	42,168			5.0
Central Computer Irrigation Controllers (CCIC)	36	9,654,313	29.63	296.28	0	0	112,464	112,464			8.9
Subtotal	78	16,031,869	49	492.00	0.00	0.00	154,632.00	154,632.00			
TOTAL	2,544	47,178,546	145	2,177.73	75,833.56	65,771.54	375,812.10	517,417.20			

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾	
					City	IEUA	MWD		Total
FY 2006-2007									
Residential Programs									
Ultra Low Flush Toilets (ULFT)	56	633,194	1.94	38.86	0	0	3,360	3,360	4.0
High Efficiency Toilets (HET)	4	55,395	0.17	3.40	0	0	1,060	1,060	14.6
High Efficiency Clothes Washers (HECW)	426	3,831,226	11.76	176.36	0	0	46,860	46,860	9.3
Rotating Sprinkler Nozzles	158	205,938	0.63	3.16	0	0	632	632	2.3
Weather Based Irrigation Controllers (WBIC) - Rebate	15	3,177,047	9.75	97.50	0	2,400	1,200	3,600	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	119	25,204,575	77.35	773.50	0	0	28,560	28,560	0.9
Subtotal	778	33,107,374	102	1,092.79	0	2,400	81,672	84,072	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	4,053	45,827,391	140.64	2,812.78	297,247	144,530	243,180	684,957	11.4
Subtotal	4,053	45,827,391	141	2,812.78	297,247.02	144,529.98	243,180.00	684,957.00	
CI/ Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0	0.00	0	0	0	0	0.0
Zero Water Urinal	49	1,955,921	6.00	120.05	0	0	19,600	19,600	7.6
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	49	1,955,921	6	120.05	0.00	0.00	19,600.00	19,600.00	
TOTAL	4,880	80,890,686	248	4025.62	\$297,247	\$146,930	\$344,452	\$788,629	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	
FY 2005-2006								
Residential Programs								
City Event (ULFT)	0	0	0	0.00	0	0	0	0.0
IEUA Regional Event (ULFT)	0	0	0	0.00	0	0	0	0.0
IEUA Rebate Program (ULFT)	150	1,696,054	5	104.10	150	9,000	9,150	4.1
High Efficiency Clothes Washers	389	3,498,467	10.74	161.05	389	42,790	43,179	9.4
Subtotal	639	5,194,521	16	265.15	539.00	51,790.00	52,329.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)								
Multi-Family Program	343	3,878,311	12	238.04	0	36,015	56,595	11.1
Subtotal	343	3,878,311	12	238.04	0.00	36,015.00	56,595.00	11.1
Cil Save-A-Buck Rebate Program								
ULFT's (Tank)	219	2,476,240	8	151.99	0	13,140	13,140	4.0
Conductivity Controller	0	0	0	0.00	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0.0
Water Brooms	1	49,986	0.15	0.77	0	100	100	1.5
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	9	1,906,228	5.85	58.50	0	0	0	0.0
Subtotal	229	4,432,453	14	211	0	13,240	13,240	
TOTAL	1,111	13,505,286	41	714.44	0	\$36,554	\$85,610	\$122,164

FY 2004-2005								
Residential Programs								
City Event (ULFT)	0	0	0	0.00	0	0	0	0.0
IEUA Regional Event (ULFT)	24	271,369	1	16.66	264	1,440	1,704	4.8
IEUA Rebate Program (ULFT)	201	2,272,713	7	139.49	201	12,060	12,261	4.1
High Efficiency Clothes Washers	542	4,874,470	14.96	224.39	542	59,620	60,162	9.4
Pool Cover Rebates	19	324,558	1.00	4.98	1,007	0	1,007	2.4
Subtotal	786	7,743,110	24	385.52	2,014.00	73,120.00	75,134.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)								
Multi-Family Program	520	5,879,655	18	360.88	0	54,600	85,800	11.1
Subtotal	520	5,879,655	18	360.88	0.00	54,600.00	85,800.00	11.1
Cil Save-A-Buck Rebate Program								
ULFT's (Tank)	0	0	0	0.00	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0.0
Pre-Rinse Spray Nozzles	1	1,303	0.00	0.02	0	50	50	29.3
X-Ray Film Processor (MWD Cil)	2	2,085,446	6.40	32.00	0	4,000	4,000	1.5
Subtotal	3	2,086,750	6	32.02	0	4,050	4,050	
TOTAL	1,309	15,709,515	48	778.42	0	\$108,370	\$164,984	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Cucamonga Valley Water District IEUA Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
			AF Saved (year)	AF Saved Lifetime	City	Total	
FY 2003-2004							
Residential Programs							
City Event (ULFT)	288	3,256,425	10	199.87	0	17,200	4.7
IEUA Regional Event (ULFT)	49	554,044	2	34.01	0	2,940	5.5
IEUA Rebate Program (ULFT)	432	4,884,637	15	299.81	0	25,920	4.6
High Efficiency Clothes Washers	594	5,342,132	16.39	245.92	0	65,340	5.7
Pool Cover Rebates	47	802,854	2.46	12.30	0	0	2.4
Subtotal	1,410	14,840,091	46	791.90	0.00	111,400.00	116,032.00
IEUA Multi-Family Direct Install Prog. (HET/ULFT)							
Multi-Family Program	96	1,085,475	3	66.62	0	5,760	4.1
Subtotal	96	1,085,475	3	66.62	0	5,760	9,024
CII Save-A-Buck Rebate Program							
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0.0
Water Brooms (Rebates)	43	2,149,378	6.60	32.98	0	4,300	8,600
Water Brooms (Distribution)	1	49,966	0.15	0.77	0	100	100
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0
Subtotal	44	2,199,364	7	34	0	4,400	8,700
TOTAL	1,550	18,124,930	56	892.27	0	\$12,196	\$133,756

Program	District Devices/ Rebates	Gallons Saved (year)	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
			AF Saved (year)	AF Saved Lifetime	City	Total	
FY 2002-2003							
Residential Programs							
City Event (ULFT)	393	4,443,663	14	272.74	0	23,580	4.7
IEUA Regional Event (ULFT)	66	746,264	2	45.80	0	3,960	5.3
IEUA Rebate Program (ULFT)	84	949,790	3	58.30	0	5,040	4.7
High Efficiency Clothes Washers	435	3,912,167	12.01	180.09	0	47,850	5.7
Pool Cover Rebates	73	1,246,886	3.83	19.15	0	0	2.4
Subtotal	1,051	11,298,870	35	576.08	0.00	80,430.00	86,330.00
IEUA Multi-Family Direct Install Prog. (HET/ULFT)							
Multi-Family Program	3	33,921	0	2.08	0	180	3.3
Subtotal	3	33,921	0	2.08	0	180	282
CII Save-A-Buck Rebate Program							
High Efficiency Clothes Washers	9	80,941	0.25	3.73	0	2,250	4.9
Water Brooms	9	449,870	1.38	6.90	0	900	3.1
Pre-Rinse Spray Nozzles	75	97,755	0.30	1.50	0	3,750	0.5
X-Ray Film Processor (MWD CII)	3	3,128,170	9.60	48.00	0	6,000	1.5
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	96	3,756,736	12	60.13	0.00	900.00	13,800.00
TOTAL	1,150	15,089,528	46	638.29	0	\$6,902	\$100,412

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in inches CCF/HCF	Turf/Water Needs (Annually in inches)	Potential Savings AFYR	Recommendations
CVWD										
TOTAL						0	0	0	0	0

FY 08/09

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AFYR	Recommendations
CVWD	Amberly Place HOA	Amberly Place HOA	Archibald Ave /Church St	Rancho Cucamonga	62%	0.76	2,946	1,073	4.3	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Cimarron Oaks VI	Cimarron Oaks VI	1902 N. Vineyard Ave	Ontario	56%	2.60	14,005	3,752	23.5	Participate in nozzle upgrade programs
CVWD	Donn Cushing	Donn Cushing	5251 Smokey Mtn.	Alta Loma	50%	0.07	355	285	0.1	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Figoni, Debbie	Figoni, Debbie	9561 Hidden Farm Rd	Alta Loma	66%	0.05	49	71	0.0	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Haskvitz, Irene	Haskvitz, Irene	9655 Carran Ct	Rancho Cucamonga	No Test	0.11	278	173	0.2	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Mission Village Apartments/RDM Management, Inc.	Mission Village Apartments/RDM Management, Inc.	7781 Archibald Ave.	Rancho Cucamonga	55%	1.09	2,113	2,426	0.0	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Niagara Bottling Company	Niagara Bottling Company	5675 E. Concourse St	Ontario	75%	0.63	4,458	891	8.2	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Ontario Condos	Ontario Condos	2000 Yale St	Ontario	60%	0.72	9,828	1,618	18.8	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

CVWD	West Gate HOA	West Gate HOA	Green Haven ave & Green Acre Dr.	Rancho Cucamonga	58%	1.48	3,230	2,081	6.6	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Cross and Crown Lutheran Church	Cross and Crown Lutheran Church	6723 Etiwanda Ave	Rancho Cucamonga	61%	0.58	1,148	816	0.76	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CVWD	La Serena HOA	La Serena HOA	10151 Arrow Route	Rancho Cucamonga	55%	3.50	11,159	4,944	14.28	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Laing First Edition HOA	Laing First Edition HOA	7543 W. Liberty Parkway	Rancho Cucamonga	54%	1.20	3,353	1,739	3.71	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Orchard Meadows HOA	Orchard Meadows HOA	8756 Knollwood Dr	Rancho Cucamonga	56%	3.17	8,286	4,470	8.79	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Villas at Terra Vista HOA	Villas at Terra Vista HOA	7607-7687 Haven Ave	Rancho Cucamonga	68%	0.98	3,628	1,377	5.17	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Anna Kolejka	Anna Kolejka	11000 Vicksburg Ct	Rancho Cucamonga	52%	0.16	542	219	0.74	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CVWD	First Assembly of God Church - Rancho Cucamonga	First Assembly of God Church - Rancho Cucamonga	9720 Wilson Ave	Rancho Cucamonga	63%	1.49	3701	2096	3.69	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	LDS Church Baseline	LDS Church Baseline	9075 Baseline Ave	Rancho Cucamonga	53%	1.76	2435	2776	-0.78	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CVWD	LDS Church Etiwanda	LDS Church Etiwanda	6829 Etiwanda Ave	Rancho Cucamonga	53%	4.45	7824	6268	3.57	Install Weather Based System, Participate in all nozzle upgrade program
CVWD	LDS Church Haven	LDS Church Haven	5474 Haven Ave	Rancho Cucamonga	57%	0.96	2470	1356	2.56	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD	Micahel Carmacho	Micahel Carmacho	6055 Zircon Ave	Alta Loma	52%	0.21	413	295	0.27	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

TOTAL

25.94

104.53

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Inigated Acreage	Estimated Water Applied in GCF/HCF	Estimated Water Needs (Annually) GCF/HCF	Potential Savings A\$/Yr	Recommendations
CWWD	St Peter & St Paul Catholic Church	St Peter & St Paul Catholic Church	9135 Banyan St	Rancho Cucamonga	56%	1.19	4,250	1,461	3.4	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Golden Oak Park- City of Rancho Cucamonga	Golden Oak Park- City of Rancho Cucamonga	9345 Golden Oak Rd.	Rancho Cucamonga	66%	3.99	7,388	5,618	5.7	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Hermosa Park- City of Rancho Cucamonga	Hermosa Park- City of Rancho Cucamonga	6787 Hermosa Ave.	Rancho Cucamonga	71%	8.82	15,320	10,620	10.8	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Old Town Park - City of Rancho Cucamonga	Old Town Park - City of Rancho Cucamonga	10033 Fern Blvd	Rancho Cucamonga	73%	3.30	6,487	4,070	5.6	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CWWD	Spruce Park - City of Rancho Cucamonga	Spruce Park - City of Rancho Cucamonga	7730 Spruce Ave	Rancho Cucamonga	52%	3.00	7,322	3,699	8.3	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	West Greenway Park - City of Rancho Cucamonga	West Greenway Park - City of Rancho Cucamonga	7756 Meadowcrest Ct	Rancho Cucamonga	62%	4.07	11,169	5,729	12.5	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CWWD	Chaffey College - Rancho Cucamonga	Chaffey College - Rancho Cucamonga	5886 Haven Ave	Rancho Cucamonga	80%	31.92	63,961	39,336	56.54	Install Weather Based System, Participate in all nozzle upgrade program
CWWD	St Peter & St Paul Catholic House	St Peter & St Paul Catholic House	6084 Falling Tree Lane	Rancho Cucamonga	62%	0.28562802	661	352	0.71	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL						56.37			103.45	

Summary of Findings from CBWCD-Phase III Landscape Audit Program

CWWD	Central Elementary School	Central Elementary School	Central Elementary School	7955 Archibald Ave	Rancho Cucamonga	68%	3.73	5046	4568	1.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CWWD	Central Elementary School	Central Elementary School	Central Elementary School	7955 Archibald Ave	Rancho Cucamonga						
CWWD	Central Elementary School	Central Elementary School	Central Elementary School	7955 Archibald Ave	Rancho Cucamonga						
CWWD	Coyote Canyon Elementary	Coyote Canyon Elementary	Coyote Canyon Elementary	7889 Elm Ave	Rancho Cucamonga	66%	4.29	13327	6092	17.30	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CWWD	Coyote Canyon Elementary	Coyote Canyon Elementary	Coyote Canyon Elementary	7889 Elm Ave	Rancho Cucamonga						
CWWD	Coyote Canyon Elementary	Coyote Canyon Elementary	Coyote Canyon Elementary	7989 Elm Ave	Rancho Cucamonga						
CWWD	Visitas Grove Community	Visitas Grove Community	Visitas Grove Community		Rancho Cucamonga	72%	3.30	12774	3026	22.38	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CWWD	Visitas Grove Community	Visitas Grove Community	Visitas Grove Community		Rancho Cucamonga						
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga	64%	5.61	19683	6791	22.66	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga						
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga						
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga						
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga						
CWWD	Ruth Misser	Ruth Misser	Ruth Misser	10789 Terra Vista Pkwy	Rancho Cucamonga						
CWWD	Valle Vista Elementary School	Valle Vista Elementary School	Valle Vista Elementary School	7777 Valle Vista Dr	Rancho Cucamonga	64%	4.79	2857	3218	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CWWD	Valle Vista Elementary School	Valle Vista Elementary School	Valle Vista Elementary School	7727 Valle Vista Dr	Rancho Cucamonga						

Summary of Findings from CBWCD-Phase III Landscape Audit Program

CWWD	Valle Vista Elementary School	Valle Vista Elementary School	7777 Valle Vista Dr	Rancho Cucamonga																
CWWD	Valle Vista Elementary School	Valle Vista Elementary School	7777 Valle Vista Dr	Rancho Cucamonga																
CWWD	Robt, J Michael	Robt, J Michael	11360 Windhaven Court	Rancho Cucamonga	71%	0.15	307	180	0.27											Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Myers, Trish	Myers, Trish	5126 Tahoe Pl	Rancho Cucamonga	No Test	0.09	165	103	0.14											Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
TOTAL										36.16				85.73						

Table 5
Cucamonga Valley Water District
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	7	2,984	130	\$ 11,936.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	7	2,984	130	\$ 11,936.00
FY 2003-04				
Think Earth! It's Magic	3	1,251	56	\$ 5,004.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	3	1,251	56	\$ 5,004.00
FY 2004-05				
National Theater for Children	10	4,570	199	\$ 18,280.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	494	4	
TOTAL	11	5,064	203	\$ 18,280.00
FY 2005-06				
National Theater for Children	11	5,319	231	\$ 21,276.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	591	5	
TOTAL	12	5,910	236	\$ 21,276.00
FY 2006-07				
National Theater for Children	8	4,584	160	\$ 27,500.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	746	8	
TOTAL	9	5,330	168	\$ 27,500.00
FY 2007-08				
National Theater for Children	7	3,741	121	\$ 9,243.00
Garden In Every School	1	603	13	\$ 7,776.00
TOTAL	8	4,344	134	\$ 17,019.00
FY 2008-09				
National Theater for Children	15	7,965	308	\$ 13,920.00
Garden In Every School	4	1,852	104	\$ 18,000.00
TOTAL	19	9,817	412	\$ 31,920.00
FY 2009-10				
National Theater for Children	17	8,200	355	\$ 16,558.00
Garden In Every School	1	690	35	\$ 3,250.00
TOTAL	18	8,890	390	\$ 19,808.00
FY 2010-11				
National Theater for Children	12	5,978	212	\$ 11,792.28
Garden In Every School	1	3,071	110	\$ 6,310.00
TOTAL	13	9,049	322	\$ 18,102.28
2002-2011 Totals	100	52,639	2,051	\$ 170,845.28

FONTANA WATER COMPANY
Annual Water Use Efficiency Programs Report
FY 2010-2011



Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR/Other	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	7	96,941	0.30	5.95	0	245	350	595	4.0
High Efficiency Clothes Washers (HECW)	293	2,635,092	8.09	121.30	0	0	24,905	24,905	6.2
Rotating Nozzles for Pop-up Spray Heads	112	145,981	0.45	2.24	0	224	336	560	0.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	0	180	320	500	0.0
Synthetic Turf (420 Sq. Ft.)	1	19,163	0.06	0.59	0	189	126	315	10.7
Residential Landscape Retrofit Program	5	977,700	3	30.00	0	1,819	2,251	4,070	2.7
Subtotal	422	4,288,483	13	173.08	0.00	2,656.72	28,288.04	30,944.76	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	3	41,546	0.13	2.55	220	107	150	477	7.5
Subtotal	3	41,546	0	2.55	220.02	107	150	477.00	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotating Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Fontana Unified School Retrofit Program	1,899	28,679,200	88.00	709.00	321,643	0	33,900	355,543	8.1
Subtotal	1,899	28,679,200	88	709.00	321,643.00	0.00	33,900.00	355,543.00	
TOTAL	2,324	33,019,229	101	884.63	321,863.02	2,763.70	62,338.04	366,964.76	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2009-2010										
Residential Rebate Programs										
High Efficiency Toilets (HET)	42	581,644	1.79	35.70	0	1,470	2,100	3,570	4.0	
High Efficiency Clothes Washers (HECW)	84	755,453	2.32	34.78	0	4,200	9,240	13,440	11.6	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	45	80	125	0.0	
Water Wise Landscape (Turf Buy Back) (1,216 Sq. Ft.)	0	55,473	0.17	1.70	0	2,000	0	2,000	23.6	
Synthetic Turf (3,923 Sq. Ft.)	2	178,964	0.55	5.49	0	1,765	1,177	2,942	10.7	
Subtotal	129	1,677,435	5	80.92	0	9,480	12,597	22,077		
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	11	152,335	0.47	9.35	807	382	1,815	3,014	12.9	
Subtotal	11	152,335	0	9.35	806.74	382	1,815	3,014.00		
CII Save-A-Buck Rebate Program										
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0	
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Waterless Urinals	40	1,599,277	4.91	98.16	0	0	16,000	16,000	6.5	
High Efficiency Clothes Washers	1	8,993	0.03	0.28	0	100	80	180	13.1	
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0	
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Pre-Rinse Nozzles	1	49,855	0.15	0.77	0	0	60	60	0.8	
Subtotal	42	1,658,125	5	99.20	0.00	100	16,140	16,240.00		
TOTAL	182	3,487,896	11	189.47	806.74	9,872.61	30,551.90	41,331.25		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	1,043	14,444,160	44.33	886.55	0	0	172,095	172,095	0	7.8
High Efficiency Clothes Washers (HECW)	202	1,816,684	5.58	83.63	0	0	22,220	22,220	0	8.0
Rotating Nozzles for Pop-up Spray Heads	62	80,811	0.25	1.24	0	0	248	248	0	2.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Wise Landscape (Turf Buy Back) (3,689 Sq. Ft.)	3	168,289	0.52	5.16	0	4,800	0	4,800	0	18.6
Synthetic Turf (4,960 Sq. Ft.)	8	226,271	0.68	6.94	0	1,488	1,488	1,488	0	8.6
Subtotal	1,318	16,736,216	51	983.53	0	6,288	196,051	202,339	0	
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	229	3,171,345	9.73	194.65	16,795	8,166	37,785	62,746	0	12.9
Subtotal	229	3,171,345	10	194.65	16,794.86	8,166	37,785	62,746.00	0	
Cil Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	81	1,121,742	3.44	68.85	0	10,935	13,365	24,300	0	14.2
Waterless Urinals	58	2,318,951	7.12	142.33	0	0	23,200	23,200	0	6.5
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0.0
High Efficiency Clothes Washers	6	53,961	0.17	1.66	0	600	480	1,080	0	13.1
Water Brooms	1	49,886	0.15	0.77	0	0	150	150	0	2.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Large Rotating Nozzles	120	703,838	2.16	21.60	0	0	1,560	1,560	0	1.4
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	266	4,248,478	13	235.21	0.00	11,535	38,755	50,290.00	0	
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	9	2,909,198	8.93	89.28	0	0	94,088	94,088	0	21.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	9	2,909,198	9	89.28	0.00	0.00	94,087.53	94,087.53	0	
TOTAL	1,822	27,065,236	83	1,502.66	16,794.86	25,989.14	366,678.53	409,462.53	0	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2007-2008										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	5	61,749	0.19	3.79	0	0	300	300	3.7	
High Efficiency Toilets (HET)	4	55,995	0.17	3.40	0	0	660	660	9.1	
High Efficiency Clothes Washers (HECW)	156	1,402,984	4.31	64.58	0	0	17,160	17,160	9.3	
Rotating Nozzles for Pop-up Spray Heads	21	27,371	0.08	0.42	0	0	84	84	2.3	
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	160	80	240	1.7	
Water Wise Landscape (Turf Buy Back) (1,216 Sq. Ft.)	1	55,473	0.17	1.70	0	2,432	0	2,432	33.5	
Synthetic Turf (1,740 Sq. Ft.)	2	79,377	0.24	2.44	0	522	522	1,044	10.0	
Subtotal	190	1,786,251	5	79.58	0	3,114	19,906	21,920		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	780	9,632,807	29.56	591.24	57,205	27,815	46,800	131,820	10.4	
Subtotal	780	9,632,807	30	591.24	57,205.20	27,814.80	46,800.00	131,820.00		
Cil Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0	
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0	
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Waterless Urinals	10	399,819	1.23	24.54	0	0	4,000	4,000	7.6	
Conductivity Controller	1	209,848	0.644	3.22	0	175	625	800	2.9	
High Efficiency Clothes Washers	12	107,922	0.33	4.97	0	3,480	1,560	5,040	35.6	
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	0	0	1,890	1,890	4.5	
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0	
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	26	1,035,294	3	42.48	0.00	3,655.00	8,075.00	11,730.00		
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0	
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0	
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0	
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0	
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0.0	
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0	
TOTAL	996	12,456,352	38	713.30	57,205.20	34,583.80	73,681.00	165,470.00		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	City	Funding Sources (dollars)			Payback Period (years) (1)
						IEUA	MWD	Total	
FY 2006-2007									
Residential Programs									
Ultra Low Flush Toilets (ULFT)	10	113,070	0.35	6.94	0	0	600	600	4.0
High Efficiency Toilets (HET)	2	27,897	0.08	1.70	0	0	530	530	14.6
High Efficiency Clothes Washers (HECW)	154	4,245,317	13.03	195.43	0	0	16,940	16,940	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Distribution	9	1,906,228	5.85	58.50	0	0	2,180	2,180	0.9
Subtotal	175	6,179,243	19	262.57	0	0	19,630	19,630	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	2,717	30,721,200	94.28	1,885.60	199,265	96,888	163,020	459,173	11.4
Subtotal	2,717	30,721,200	94	1,885.60	199,265	96,888.22	163,020.00	459,173.00	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	0	45	165	210	11.6
Zero Water Urinal	45	1,796,254	5.51	110.25	0	0	18,000	18,000	7.6
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	8	220,536	0.88	10.15	0	560	1,040	1,600	5.5
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	54	2,030,638	6	121.26	0.00	605.00	19,205.00	19,810.00	
TOTAL	2,946	38,931,081	119	2289.42	\$199,265	\$97,493	\$201,855	\$498,613	

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved (year)	Lifetime City	Funding Sources (dollars)			Payback Period (years) (1)
						IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	28	316,597	1	19.43	0	1,680	1,708	1,708	4.1
High Efficiency Clothes Washers	151	1,358,017	4.17	62.51	0	16,610	16,761	16,761	9.4
Subtotal	179	1,674,613	5	81.85	0.00	179,000	18,290,000	18,469,000	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	1,170	13,229,225	41	811.98	0	122,850	70,200	193,050	11.1
Subtotal	1,170	13,229,225	41	811.98	0.00	122,850,000	70,200,000	193,050,000	11.1
CI Save-A-Buck Rebate Program									
ULFT's (Tank)	178	2,012,851	6	123.53	0	178	10,680	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	18	181,883	0.50	7.45	0	0	4,500	4,500	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	196	2,174,534	7	131	0	178	15,180	4,500	0.0
TOTAL	1,545	17,078,372	52	1024.91	0	\$123,207	\$103,670	\$216,019	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	735	8,310,667	26	510.09	0	8,085	44,100	52,185	4.8
IEUA Rebate Program (ULFT)	43	486,202	1	29.84	0	43	2,580	2,623	4.1
High Efficiency Clothes Washers	189	1,899,769	5.22	78.25	0	189	20,790	20,979	9.4
Pool Cover Rebates	3	51,246	0.16	0.79	0	1,219	0	1,219	18.2
Subtotal	970	10,547,884	32	618.96	0.00	9,536,000	67,470,000	77,006,000	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	1,070	12,098,522	37	742.58	0	112,350	64,200	176,550	11.1
Subtotal	1,070	12,098,522	37	742.58	0.00	112,350,000	64,200,000	176,550,000	11.1
CI Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	2	419,696	1,288	6.44	0	0	1,000	1,000	1.8
High Efficiency Clothes Washers	2	17,987	0.06	0.83	0	0	500	500	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	4	437,683	1	7	0	0	1,500	1,500	0.0
TOTAL	2,044	23,084,089	71	1368.81	0	\$121,886	\$133,170	\$255,056	

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Fontana Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved (year)	Lifeline City	Funding Sources (dollars)			Payback Period (years) (1)
						IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	1,489	16,836,167	52	1,033.37	0	16,379	89,340	105,719	5.4
IEUA Rebate Program (ULFT)	112	1,266,387	4	77.73	0	112	6,720	6,832	4.6
High Efficiency Clothes Washers	241	2,167,431	6.65	99.77	0	241	26,510	26,751	5.7
Pool Cover Rebates	15	802,854	2.46	12.30	0	795	0	795	2.4
Subtotal	1,857	21,072,839	65	1,223.17	0.00	17,527.00	122,570.00	140,097.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,140	12,890,014	40	791.16	0	38,760	66,400	107,160	4.2
Subtotal	1,140	12,890,014	40	791.16	0	38,760	66,400	107,160	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	8	71,948	0.22	3.31	0	0	2,000	2,000	5.3
Water Brooms (Rebates)	98	4,898,583	15.03	75.17	0	9,800	9,800	19,600	3.1
Water Brooms (Distribution)	2	99,971	0.31	1.53	0	0	200	200	1.6
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	108	5,070,502	16	80	0	9,800	12,000	21,800	
TOTAL	3,105	39,033,355	120	2094.34	0	\$66,087	\$202,970	\$269,057	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	629	7,112,122	22	436.53	0	6,919	37,740	44,659	5.4
IEUA Rebate Program (ULFT)	10	113,070	0	6.94	0	10	600	610	4.8
High Efficiency Clothes Washers	160	1,438,958	4.42	66.24	0	160	17,600	17,760	5.8
Pool Cover Rebates	33	1,246,986	3.83	19.15	0	1,749	0	1,749	2.4
Subtotal	832	9,911,136	30	528.86	0.00	8,838.00	55,940.00	64,778.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	251	2,838,084	9	174.19	0	8,534	15,060	23,594	4.2
Subtotal	251	2,838,084	9	174.19	0	8,534	15,060	23,594	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	19	170,876	0.52	7.87	0	0	4,750	4,750	4.9
Water Brooms	9	449,870	1.38	6.90	0	900	900	1,800	3.1
Pre-Rinse Spray Nozzles	35	45,619	0.14	0.70	0	0	1,750	1,750	0.5
X-Ray Film Processor (MWD CII)	0	0	0.00	0.00	0	0	0	0	0.0
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	63	666,365	2	15.47	0.00	900.00	7,400.00	8,300.00	
TOTAL	1,146	13,415,566	41	718.52	0	\$18,272	\$78,400	\$96,672	

(1) Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings AF/YR	Recommendations
Fontana Water Company										
TOTAL									0	

FY 08/09

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings AF/YR	Recommendations
Fontana Water Company	Sieroty Co - 10681	Sieroty Co - 10613	10613 Jasmine St.	Fontana	68%	0.52	855	727	0.29	Install Weather Based System, Participate in all nozzle upgrade program
Fontana Water Company	Sieroty Co. Inc-Tony's Express	Sieroty Co. Inc-Tony's Express	10681 Jasmine St.	Fontana	57%	0.46	4172	642	8.11	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL						0.97			8.40	

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings AF/YR	Recommendations
Fontana Water Company	Chaffey College - Fontana	Chaffey College - Fontana	16855 Merrill Avenue	Fontana	60%	1.11	3628	1365	5.20	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
TOTAL						1.11			5.20	

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 10/11

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually) CCF/HCF	Potential Savings AFYR	Recommendations	
Fontana Water Company	Chaffey College - Fontana	Chaffey College - Fontana	16855 Merrill Avenue	Fontana, CA 92335	60%	1.11	3628	1365	5.20	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU	
Fontana Water Co.	Romeo, Philippa	Romeo, Philippa	14834 Fo. Ridge Dr.	Fontana	58%	0.36	0	443	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.	
Fontana Water Co.	Stanley Black & Decker	Stanley Black & Decker	1590 N. Tamarind St.	Rialto	71%	2.89	8019	3318	13.09	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.	
Fontana Water Co.	Stanley Black & Decker	Stanley Black & Decker	1590 N. Tamarind St.	Rialto							
TOTAL							4.16			18.29	

Table 6
Fontana Water Company
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	3	2,088	102	\$ 8,352.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	3	2,088	102	\$ 8,352.00
FY 2003-04				
Think Earth! It's Magic	3	1,390	60	\$ 5,560.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	3	1,390	60	\$ 5,560.00
FY 2004-05				
National Theater for Children	9	4,177	180	\$ 16,708.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	65	2	
TOTAL	10	4,242	182	\$ 16,708.00
FY 2005-06				
National Theater for Children	15	6,500	283	\$ 26,000.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	45	1	
TOTAL	16	6,545	284	\$ 26,000.00
FY 2006-07				
National Theater for Children	9	2,946	75	\$ 11,784.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	60	2	
TOTAL	10	3,006	77	\$ 11,784.00
FY 2007-08				
National Theater for Children	14	7,559	243	\$ 14,378.00
Garden In Every School	1	200	9	\$ 7,776.00
TOTAL	15	7,759	252	\$ 22,154.00
FY 2008-09				
National Theater for Children	12	6,215	239	\$ 11,136.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	12	6,215	239	\$ 11,136.00
FY 2009-10				
National Theater for Children	9	3,710	155	\$ 8,766.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	9	3,710	155	\$ 8,766.00
FY 2010-11				
National Theater for Children	9	4,186	113	\$ 8,844.21
Garden In Every School	0	0	0	\$ -
TOTAL	9	4,186	113	\$ 8,844.21
2002-2011 Totals	87	39,141	1464	\$ 119,304.21

MONTE VISTA WATER DISTRICT
Annual Water Use Efficiency Programs Report
FY 2010-2011



Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	2	27,697	0.09	1.70	0	70	100	170	4.0
High Efficiency Clothes Washers (HECW)	94	845,388	2.59	38.92	0	0	7,990	7,990	6.2
Rotating Nozzles for Pop-up Spray Heads	150	195,511	0.60	3.00	0	300	450	750	0.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	0	180	320	500	0.0
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
FreeSprinklerNozzles.com Program	91	118,610	0	3.64	0	0	6,825	6,825	1.0
Residential Landscape Retrofit Program	10	2,933,100	9	85.00	0	5,662	5,482	11,144	2.0
Subtotal	351	4,543,912	14	145.26	0.00	6,212.39	21,166.89	27,379.28	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	11	152,335	0.47	9.35	807	392	550	1,749	7.5
Subtotal	11	152,335	0	9.35	806.74	392	550	1,749.00	
CU Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	0	135	165	300	0.0
Waterless Urinals	14	559,747	1.72	34.36	0	700	2,800	3,500	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	15	573,596	2	35.21	0.00	835	2,965	3,800.00	
TOTAL	377	5,269,843	16	189.81	806.74	7,439.65	24,681.89	32,928.28	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	35	484,703	1.49	29.75	0	1,225	1,750	2,975	4.0
High Efficiency Clothes Washers (HECW)	22	197,857	0.61	9.11	0	1,100	2,420	3,520	11.6
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Water Wise Landscape (Turf Buy Back) (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	57	682,560	2	38.86	0	2,325	4,170	6,495	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	211	2,922,069	8.97	179.35	15,475	7,524	34,815	57,814	12.9
Subtotal	211	2,922,069	9	179.35	15,474.74	7,524	34,815	57,814.00	
Cil Save-A-Buck Rebate Program									
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	0	990	1,650	2,640	4.1
Synthetic Turf (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads	220	286,749	0.88	4.40	0	0	880	880	2.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	224	710,355	2	17.40	0.00	990	2,530	3,520.00	
TOTAL	492	4,314,984	13	235.61	15,474.74	10,839.26	41,515.00	67,829.00	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2008-2009									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	296	4,099,206	12.58	251.60	0	0	48,840	48,840	7.8
High Efficiency Clothes Washers (HECW)	68	611,557	1.86	28.15	0	0	7,480	7,480	8.0
Rotating Nozzles for Pop-up Spray Heads	171	222,882	0.68	3.42	0	0	684	684	2.0
Weather Based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	0	0	160	160	0.5
Water Wise Landscape (Turf Buy Back) (19,580 Sq. Synthetic Turf (3,529 Sq. Ft.))	10	883,223	2.74	27.41	0	0	18,836	18,836	13.8
	3	160,990	0.49	4.94	0	0	1,059	2,378	9.7
Subtotal	550	5,199,861	19	322.02	0	0	58,483	78,378	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	122	1,689,537	5.19	103.70	8,947	4,351	20,130	33,428	12.9
Subtotal	122	1,689,537	5	103.70	8,947.48	4,351	20,130	33,428.00	
CIU Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	45	623,190	1.91	38.25	0	0	7,425	13,500	14.2
Waterless Urinals	16	639,711	1.96	39.28	0	0	6,400	6,400	6.5
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (1,925 Sq. Ft.)	2	87,817	0.27	2.70	0	0	578	1,155	8.6
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Nozzles	3	149,566	0.46	2.30	0	0	180	180	0.8
Subtotal	66	1,500,283	5	82.50	0.00	0.00	14,583	21,235.00	
MWD Public Sector Program									
High Efficiency Toilets (HET)	4	55,395	0.17	3.40	0	0	1,285	1,285	15.2
Waterless Urinals	2	81,463	0.25	5.00	0	0	1,071	1,071	8.6
Water Brooms	4	199,942	0.61	3.07	0	0	1,401	1,401	4.8
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	4	1,292,977	3.97	39.68	0	0	19,321	19,321	9.8
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	14	1,629,776	5	51.15	0.00	0.00	23,078.16	23,078.16	
TOTAL	752	11,019,258	34	559.38	8,947.48	30,897.72	116,274.06	156,119.26	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2007-2008										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	6	74,099	0.23	4.55	0	0	360	360	360	3.7
High Efficiency Toilets (HET)	5	69,243	0.21	4.25	0	0	825	825	825	9.1
High Efficiency Clothes Washers (HECW)	96	863,375	2.65	39.74	0	0	10,560	10,560	10,560	9.3
Rotating Nozzles for Pop-up Spray Heads	262	341,492	1.05	5.24	0	0	1,048	1,048	1,048	2.3
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	0	480	240	720	720	1.7
Water Wise Landscape (Turf Buy Back) (270 Sq. Ft.)	1	12,317	0.04	0.38	0	540	0	540	540	33.5
Synthetic Turf (2,783 Sq. Ft.)	4	126,958	0.39	3.90	0	835	835	1,670	1,670	10.0
Subtotal	377	1,805,188	6	67.81	0	1,855	13,868	15,723		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	122	1,506,670	4.62	92.48	8,947	4,351	7,320	20,618	20,618	10.4
Subtotal	122	1,506,670	5	92.48	8,947.48	4,350.52	7,320.00	20,618.00		
CIU Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	146	2,021,905	6.21	124.10	0	19,710	24,090	43,800	43,800	16.5
Waterless Urinals	24	959,566	2.94	58.90	0	0	9,600	9,600	9,600	7.6
Conductivity Controller	1	208,848	0.644	3.22	0	175	625	800	800	2.9
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (925 Sq. Ft.)	1	42,198	0.13	1.30	0	278	278	555	555	10.0
Rotating Nozzles for Pop-up Spray Heads	65	84,721	0.26	1.30	0	0	260	260	260	0.0
Subtotal	237	3,316,238	10	188.81	0.00	20,162.50	34,862.50	55,015.00		
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	4	199,942	0.61	3.07	0	0	1,520	1,520	1,520	5.8
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	4	199,942	1	3.07	0.00	0.00	1,520.00	1,520.00		
TOTAL	740	6,830,039	21	352.16	8,947.48	26,367.92	57,560.40	92,875.80		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2006-2007									
Residential Programs									
Ultra Low Flush Toilets (ULFT)	13	146,991	0.45	9.02	0	0	780	780	4.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	76	2,095,092	6.43	64.30	0	0	8,360	8,360	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	1	211,803	0.65	6.50	0	160	80	240	0.9
Weather Based Irrigation Controllers (WBIC) - District	34	7,201,307	22.10	221.00	0	0	8,160	8,160	0.9
Subtotal	124	9,608,202	29	300.82	0	160	16,600	16,760	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	460	5,201,234	15.96	319.24	33,736	16,404	27,600	77,740	11.4
Subtotal	460	5,201,234	16	319.24	33,736.40	16,403.60	27,600.00	77,740.00	
CEI Save-A-Buck Rebate Program									
ULFT Flushometer	4	36,235	0.11	2.22	0	60	540	600	12.6
ULFT Tank	119	1,345,537	4.13	82.59	0	1,785	16,065	17,850	10.1
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Zero Water Urinal	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	66	1,819,422	5.58	83.75	0	4,620	8,580	13,200	5.5
Water Brooms	1	49,986	0.15	0.77	0	0	150	150	2.3
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	190	3,281,178	10	169.33	0.00	6,465.00	25,335.00	31,800.00	
TOTAL	774	17,960,614	55	789.39	\$33,736	\$23,029	\$69,535	\$126,300	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved (year)	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	38	429,667	1	26.37	0	38	2,280	2,318	4.1
High Efficiency Clothes Washers	66	593,570	1.82	27.32	0	66	7,280	7,326	9.4
Subtotal	104	1,023,237	3	63.70	0.00	104.00	9,540.00	9,644.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	101	1,142,010	4	70.09	0	10,605	6,060	16,665	11.1
Subtotal	101	1,142,010	4	70.09	0.00	10,605.00	6,060.00	16,665.00	11.1
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	64	723,650	2	44.42	0	64	3,840	3,904	4.1
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	2	17,987	0.06	0.83	0	0	500	500	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	66	741,637	2	45	0	64	4,340	4,404	
TOTAL	271	2,906,884	9	169.03	0	\$10,773	\$19,940	\$30,713	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	276	3,120,740	10	191.54	0	1,794	16,560	18,354	4.5
IEUA Regional Event (ULFT)	4	45,228	0	2.78	0	44	240	284	4.8
IEUA Rebate Program (ULFT)	37	418,360	1	25.68	0	37	2,220	2,257	4.1
High Efficiency Clothes Washers	92	827,401	2.54	38.09	0	92	10,120	10,212	9.4
Pool Cover Rebates	3	51,246	0.16	0.79	0	159	0	159	2.4
Subtotal	412	4,462,975	14	258.87	0.00	2,126.00	29,140.00	31,266.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	12	135,684	0	8.33	0	1,260	720	1,980	11.1
Subtotal	12	135,684	0	8.33	0.00	1,260.00	720.00	1,980.00	11.1
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	2	17,987	0.06	0.83	0	0	500	500	21.2
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	1	1,042,723	3.20	16.00	0	0	2,000	2,000	1.5
Subtotal	3	1,060,710	3	17	0	0	2,500	2,500	
TOTAL	427	5,659,370	17	284.03	0	\$3,386	\$32,360	\$35,746	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Monte Vista Water District IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved (Lifetime)	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾	
					City	IEUA	MWD		Total
FY 2003-2004									
Residential Programs									
City Event (ULFT)	297	3,358,188	10	206.12	0	574	17,220	17,794	4.7
IEUA Regional Event (ULFT)	2	22,614	0	1.39	0	22	120	142	3.4
IEUA Rebate Program (ULFT)	130	1,469,914	5	80.22	0	130	7,800	7,930	4.6
High Efficiency Clothes Washers	83	746,459	2.29	34.36	0	130	14,300	14,430	5.7
Pool Cover Rebates	23	802,854	2.46	12.30	0	1,219	0	1,219	2.4
Subtotal	535	6,400,029	20	344.39	0.00	2,075.00	39,440.00	41,515.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	106	1,198,545	4	79.56	0	3,604	6,360	9,964	4.2
Subtotal	106	1,198,545	4	79.56	0	3,604	6,360	9,964	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	18	161,883	0.50	7.45	0	0	4,500	4,500	5.1
Water Brooms (Rebates)	24	1,198,653	3.68	18.41	0	2,400	2,400	4,800	3.1
Water Brooms (Distribution)	2	99,971	0.31	1.53	0	0	200	200	1.6
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0
Subtotal	44	1,461,507	4	27	0	2,400	7,100	9,500	
TOTAL	685	9,060,081	28	445.35	0	8,079	\$52,900	\$60,979	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	292	3,301,653	10	202.65	0	740	22,200	22,940	4.7
IEUA Regional Event (ULFT)	59	667,115	2	40.95	0	363	1,980	2,343	5.6
IEUA Rebate Program (ULFT)	14	158,298	0	9.72	0	14	840	854	5.1
High Efficiency Clothes Washers	46	413,700	1.27	19.04	0	127	13,970	14,097	5.8
Pool Cover Rebates	25	1,246,986	3.83	19.15	0	1,325	0	1,325	2.4
Subtotal	436	5,787,752	18	291.50	0.00	2,669.00	38,980.00	41,559.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	57	644,501	2	39.56	0	5,372	9,480	14,852	4.2
Subtotal	57	644,501	2	39.56	0	5,372	9,480	14,852	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	42	377,726	1.16	17.39	0	0	10,500	10,500	5.0
Water Brooms	9	449,870	1.38	6.90	0	900	900	1,800	3.1
Pre-Rinse Spray Nozzles	65	84,721	0.26	1.30	0	0	3,250	3,250	0.6
X-Ray Film Processor	4	4,170,893	12.80	64.00	0	0	8,000	8,000	1.5
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	120	5,083,210	16	331.08	0.00	900.00	22,650.00	23,550.00	
TOTAL	613	11,515,463	35	662.12	0	\$8,841	\$71,120	\$79,961	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied as CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AFYK	Recommendations
MVWD	Costco	Costco	9404 Central Ave	Montclair	82%	1.12	11006	2480	7.50	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Target	Target	9050 Central Ave	Montclair	50%	1.34	8554	2971	8.50	Participate in nozzle upgrade programs
MVWD	Cambridge Park Townhome Apts	Cambridge Park Townhome Apts	9200 Monte Vista Ave	Montclair	38%	2.82	16000	1698	32.85	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Metro Honda	Metro Honda	9599 Autoplex Dr	Montclair	24%	0.11	4628	1489	7.26	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Somerset Apartments	Somerset Apartments	12180 Ramona Ave	Chino	44%	2.6	3489	5644	Under Budget	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Christ Lutheran Church	Christ Lutheran Church	5500 Francis St	Chino	73%	1.93	3513	4185	Under Budget	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Borders Books & Music	Borders Books & Music	5055 Plaza Ln	Montclair	68%	0.52	3365	1180	5.07	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Mission Tiki Drive-In	Mission Tiki Drive-In	10798 Ramona Ave	Pomona	35%	2.51	13753	5583	18.78	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
MVWD	Emma Soto	Emma Soto	4182 E Grand Ave	Pomona	35%	0.09	228	206	0.05	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Calvary Chapel of the Chino Valley	Calvary Chapel of the Chino Valley	12205 Pipeline Ave	Chino	48%	0.98	6014	2185	8.79	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Cobblestone Village HOA	Cobblestone Village HOA	10300 Ramona Ave	Montclair	55%	1.06	8406	2343	9.32	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Augusta Homes	Augusta Homes	4381 Mission Blvd	Montclair	49%	4.83	15496	10711	10.98	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Kingsley Grove HOA	Kingsley Grove HOA	4195 Kingsley St	Montclair	57%	0.99	8275	3490	10.98	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

120.08

20.6

TOTAL

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 08/09

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Amplitude CCF/HCF)	Estimated Water Savings APTK	Recommendations
MVWD	Chimarron Oaks II	Chimarron Oaks II	4700 San Jose	Montclair	48%	6.75	36448	14980	12.25	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Greentree Garden HOA	Greentree Garden HOA	4622-4630 San Jose	Montclair	50%	2.11	3261	4680	5.04	Participate in nozzle upgrade programs
MVWD	Montclair Townhomes HOA	Montclair Townhomes HOA	10400 Yosemite	Montclair	55%	2.3	6013	5087	6.27	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Monterey Manor Mobile Home Park	Monterey Manor Mobile Home Park	11250 Ramona Ave.	Montclair	32%	1.29	6010	2854	7.25	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Peachwood Estates	Peachwood Estates	11330 Cumberland	Pomona	60%	3.9	10613	8584	4.56	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Sandra Rose	Sandra Rose	12390 Hillcrest Drive	Chino	57%	0.21	284	474	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Bethany Baptist Church	Bethany Baptist Church	9650 Monte Vista	Chino	55%	0.59	2292	626	3.30	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Don Vodvatka	Don Vodvatka	10202 Columbine Ave	Montclair	66%	0.09	217	130	0.19	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	John Auer	John Auer	4811 Orange Blossom Lane	Chino	50%	0.11	2272	427	4.20	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Towncenter Estates	Towncenter Estates	11060 Buckingham	Montclair	56%	1.63	6370	2306	9.30	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9387 Pradera Ave.	Montclair	No Test	0.1	1031	152	2.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9405 Pradera Ave.	Montclair	No Test	0.1	650	152	1.10	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9385 Pradera Ave.	Montclair	No Test	0.1	321	152	0.40	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	D & C Investment Properties	D & C Investment Properties	9387 Pradera Ave.	Montclair	No Test	0.1	551	152	1.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MVWD	Laird Properties LLC	Laird Properties LLC	4461-4771 Arrow Highway	Montclair	53%	0.26	705	364	0.80	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair Police Dept	Montclair Police Dept	4870 Arrow Highway	Montclair	60%	2.4	4898	3080	4.20	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Monte Vista Elementary Ontario-Montclair School District	Monte Vista Elementary Ontario-Montclair School District	4900 Orchard St	Montclair	58%	3.2	12268	7484	11.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Ontario Inn	Ontario Inn	5361 Holt	Montclair	42%	1	2334	137	5.10	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Kingsley Elementary Ontario-Montclair School District	Kingsley Elementary Ontario-Montclair School District	5625 Kingsley	Montclair	53%	3.5	5864	7783	4.20	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Buena Vista Elementary-Montclair School District	Buena Vista Elementary-Montclair School District	9775 Vernon Ave	Montclair	58%	0.66	611	830	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Vernon Middle School Ontario-Montclair School District	Vernon Middle School Ontario-Montclair School District	9775 Vernon Ave	Montclair	54%	5.3	12268	7484	11.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Chino Basin Conservation District	Chino Basin Conservation District	4594 San Bernardino Street	Montclair	50%	0.53948577	2403	760	3.77	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Esther Martínez	Esther Martínez	4286 Jackson	Chino	48%	0.16127181	632	227	0.93	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Helena Gardens HOA	Helena Gardens HOA	4791 Canoga	Montclair	No Test	2.07144169	1685	1459	0.52	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Jajira Cosmetics	Jajira Cosmetics	4404 Orchard St	Montclair	No Test	0.08512397	86	73	0.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair Town Center LLC	Montclair Town Center LLC	5100 San Bernardino	Montclair	54%	1.08204775	7124	1524	12.86	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Sullivan's Ranch HOA	Sullivan's Ranch HOA	East End & Lexington	Chino	No Test	0.3077135	1254	378	2.01	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Superior Property Management	Superior Property Management	9507 Central Ave	Montclair	54%	0.07938476	357	112	0.56	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

113.86

40.03

TOTAL

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 09/10

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CEF/HA	Estimated Water Needs (Annually CEF/HA)	Potential Savings AF/YR	Recommendations
MVWD	ALJ INVESTMENT CO LLC	ALJ INVESTMENT CO LLC	10285 Central	Montclair	55%	0.17121212	1788	210	3.57	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Borgia/Maeseri	Borgia/Maeseri	5436 - 5440 Arrow Hwy	Montclair	55%	0.15691001	1304	183	2.55	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Girl Scouts - Spanish Trails	Girl Scouts - Spanish Trails	9525 Monte Vista Ave	Montclair	65%	0.16636823	797	237	1.29	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Montclair Plaza	Montclair Plaza	Montclair Plaza in	Montclair	57%	0.13767218	23718	5728	41.31	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair Plaza Sears	Montclair Plaza Sears	5060 Montclair Plaza in	Montclair	56%	0.21907713	1943	309	3.75	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Pomona Valley Customs	Pomona Valley Customs	4081 Holt Blvd	Montclair	52%	0.23822314	1329	336	2.28	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	City of Montclair - Fire Station #1	City of Montclair - Fire Station #1	8901 Monte Vista Ave	Montclair	55%	0.23659633	952	291	1.47	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair - Fire Station #2	City of Montclair - Fire Station #2	10825 Monte Vista Ave	Montclair	20%	0.03133609	267	44	0.51	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Applegate HOA	Applegate HOA	Applegate Ave	Ontario	55%	0.08232323	558	102	1.05	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Helena Court HOA	Helena Court HOA	9608 Helena	Montclair	55%	0.23847567	2524	396	4.95	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Essex Park	Essex Park	4300 Clair Park	Montclair	63%	2.5716463	4283	3169	2.58	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Mac Arthur Park	Mac Arthur Park	5450 Deodor Street	Montclair	63%	1.87846648	4596	2646	4.48	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Anderson, Audrea Residence	Anderson, Audrea Residence	5174 Orange Blossom	Chino	52%	0.37966894	267	527	0.00	Improve DU. Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MVWD	Anderson, Richard Residential	Anderson, Richard Residential	3302 Hill View Dr	Chino	47%	2,185,9045	2185	2535	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Furr, Arnold	Furr, Arnold	4460 Moreno St	Montclair	No Test	0.06298888	259	157	0.23	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Sahagian, John Residential	Sahagian, John Residential	5544 Evergreen Ct	Chino	73%	0.3520202	811	434	0.87	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

70.89

9.12

TOTAL

FY 10/11

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Estimated Water Applied in Efficiency	Estimated Water Heats Community (GPM/HR)	Potential Savings AF/yr	Recommendations
MVWD	Ayala, David	Ayala, David	8980 Santa Anita Ave	Montclair	36%	0.07	83	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Aleazar, Sandra	Aleazar, Sandra	11945 Briar Rose Ln	Chino	56%	0.11	140	0.73	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Sellin, Wafaa	Sellin, Wafaa	3718 Jeremy Ln	Chino	52%	0.35	430	2.53	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Walker, Frances	Walker, Frances	4757 San Bernardino St	Montclair	63%	0.05	60	0.11	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Lopez, Narciso	Lopez, Narciso	5366 Alamitos St	Montclair	35%	0.38	60	0.07	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Martinez, Ilene	Martinez, Ilene	10255 Camanche Ave	Montclair	No Test	0.03	38	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Dew, Tanya	Dew, Tanya	11164 Merion Ave	Montclair	No Test	0.05	48	0.88	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Aguilar, Martin	Aguilar, Martin	13074 Rosewell Ave	Montclair	55%	0.06	72	0.17	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	O'Neal, Charles	O'Neal, Charles	10288 Freemont Ave	Montclair	No Test	0.10	151	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Aguilar, Adela	Aguilar, Adela	11748 Concord Ct	Chino	63%	0.22	268	0.55	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MWWD	Craig, Edwin	Craig, Edwin	5061 Fauna St	Montclair	55%	0.06	122	72	0.12	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Thomson, Johanna	Thomson, Johanna	5438 Hold Blvd	Montclair	59%	0.08	308	108	1.11	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Jones, Douglas	Jones, Douglas	4609 Fauna St	Montclair	No Test	0.08	440	89	0.78	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Zepeda, Lourdes	Zepeda, Lourdes	8133 Camulos Ave.	Montclair	69%	0.04	111	50	0.14	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Vazir, Sarah	Vazir, Sarah	1154 Coalinga Ave	Montclair	55%	0.08	362	102	0.60	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Blanco, Xiomara	Blanco, Xiomara	10546 Bl Air Ave	Montclair	No Test	0.08	187	78	0.27	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Calderon, Gracie	Calderon, Gracie	4780 Benito Ave	Montclair	59%	0.09	340	111	0.63	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Diego, Angelina	Diego, Angelina	11281 Paulsen Ave	Montclair	41%	0.02	345	25	0.73	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Navarro, Bernice	Navarro, Bernice	5389 W. Carlton St	Ontario	62%	0.13	341	159	0.42	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

TOTAL

2.04

9.73

Table 7
Monte Vista Water District
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	1	264	12	\$ 1,056.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	1	264	12	\$ 1,056.00
FY 2003-04				
Think Earth! It's Magic	4	1,804	77	\$ 7,216.00
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	4	1,804	77	\$ 7,216.00
FY 2004-05				
National Theater for Children	8	3,021	131	\$ 12,084.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	40	1	
TOTAL	9	3,061	132	\$ 12,084.00
FY 2005-06				
National Theater for Children	7	2,430	106	\$ 9,720.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	344	13	
TOTAL	8	2,774	119	\$ 9,720.00
FY 2006-07				
National Theater for Children	2	245	55	\$ 980.00
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	1	180	6	
TOTAL	3	425	61	\$ 980.00
FY 2007-08				
National Theater for Children	4	2,290	74	\$ 4,108.00
Garden In Every School	1	140	6	\$ 7,776.00
TOTAL	5	2,430	80	\$ 11,884.00
FY 2008-09				
National Theater for Children	5	2,280	93	\$ 4,640.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	5	2,280	93	\$ 4,640.00
FY 2009-10				
National Theater for Children	8	3,728	169	\$ 7,792.00
Garden In Every School	N/A	N/A	N/A	
TOTAL	8	3,728	169	\$ 7,792.00
FY 2010-11				
National Theater for Children	6	2,940	129	\$ 5,896.14
Garden In Every School	1	433	28	\$ 6,310.00
TOTAL	7	3,373	157	\$ 12,206.14
2002-2011 Totals	50	20,139	900	\$ 67,578.14

SAN ANTONIO WATER COMPANY
Annual Water Use Efficiency Programs Report
FY 2010-2011



San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	9	80,941	0.25	3.73	0	450	990	1,440	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.73	7.33	0	0	0	0	0.0
Residential Landscape Retrofit Program	8	2,607,200	8	66.00	0	6,564	4,240	10,804	2.7
Subtotal	17	2,688,141	9	77	0	7,014	5,230	12,244	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	
Cil Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0.00	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	
TOTAL	17	2,688,141	9	77	0	7,014	5,230	12,244	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (Year)	AF Saved (Year)	AF Saved Lifetime	DWR	Funding Sources (dollars)			Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0.00	0.00	0	0	0	0	#DIV/0!
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Water Wise Landscape (Turf Buy Back) (0 Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (5,235 Sq. Ft.)	0	238,816	0.73	7.33	0	2,356	1,571	3,926	10.7
Subtotal	0	238,816	1	7	0	2,356	1,571	3,926	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	
CIL Save-A-Buck Rebate Program									
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0.00	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	
TOTAL	0	238,816	1	7	0.00	2,355.75	1,570.50	3,926.25	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Total	Payback Period (years) ⁽¹⁾
					DWR	IEUA	MWD	Total		
FY 2008-2009										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	2	27,697	0.09	1.70	0	0	330	330	0	7.8
High Efficiency Clothes Washers (HECW)	9	80,941	0.25	3.73	0	0	980	980	0	8.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Wise Landscape (Turf Buy Back) (3,750 Sq. Ft.)	3	171,072	0.53	5.25	0	6,000	0	6,000	0	22.9
Synthetic Turf (840 Sq. Ft.)	1	38,320	0.12	1.18	0	252	252	504	0	8.6
Subtotal	15	318,031	1	12	0	6,252	1,572	7,824	0	
IEUA Multi-Family Direct Install Prog. (HET)										
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	0	0.00
CII Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0	0	0	0.00	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0	0	0	0	0.0
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0	0	0.00	0	0.00
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0	0.0
Waterless Urinals	0	0	0.00	0.00	0	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0	0	0	0	0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0.00	0.00	0.00	0.00	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	15	318,031	1	12	0.00	6,252.00	1,572.00	7,824.00	0.00	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	DWR	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
						IEUA	MWD	Total		
FY 2007-2008										
Residential Rebate Programs										
Ultra Low Flush Toilets (ULFT)	4	49,399	0.15	3.03	0	0.00	240	240		3.7
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	0	0.00	165	165		9.1
High Efficiency Clothes Washers (HECW)	24	215,844	0.66	9.94	0	0.00	2,640	2,640		9.3
Rotating Nozzles for Pop-up Spray Heads	19	24,765	0.08	0.38	0	0.00	76	76		2.3
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	0	480.00	240	720		1.7
Water Wise Landscape (Turf Buy Back) (Sq. Ft.)	2	91	0.00	0.00	0	0.60	1	0		0.0
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0	0.60	1	0		10.0
Subtotal	53	621,652	2	23.95	0	481	3,362	3,842		
IEUA Multi-Family Direct Install Prog. (HET/ULFT)										
IEUA Multi-Family Direct Install Prog. (HET/ULFT)	0	0	0.00	0.00	0	0.00	0	0		0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00		0.00
CII Save-A-Buck Rebate Program										
ULFT Flushometer	0	0	0.00	0.00	0	0.00	0	0		0.0
ULFT Tank	0	0	0.00	0.00	0	0.00	0	0		0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0.00	0	0		0.0
Waterless Urinals	0	0	0.00	0.00	0	0.00	0	0		0.0
Conductivity Controller	0	0	0	0.00	0	0.00	0	0		0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0.00	0	0		0.0
Water Brooms	0	0	0.00	0.00	0	0.00	0	0		0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0.00	0	0		0.0
Synthetic Turf (1,200 Sq. Ft.)	1	46	0.00	0.00	0	0.30	0.30	0.60		10.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	0	0.00	0	0		0.0
Subtotal	1	46	0	0.00	0.00	0.30	0.30	0.60		0.00
MWD Public Sector Program										
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0.00	0	0		0.0
Waterless Urinals	0	0	0.00	0.00	0	0.00	0	0		0.0
Water Brooms	0	0	0.00	0.00	0	0.00	0	0		0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0.00	0	0		0.0
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	0	0.00	0	0		0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00		0.00
TOTAL	54	621,698	2	24	0.00	480.90	3,361.90	3,842.80		

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2006-2007									
Residential Programs									
Ultra Low Flush Toilets (ULFT)	1	11,307	0.03	0.69	0	0	60	60	4.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	16	441,072	1.35	20.30	0	0	1,760	1,760	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Distribution	12	2,541,638	7.80	78.00	0	0	2,880	2,880	0.9
Subtotal	29	2,982,710	9	99.00	0	0	4,640	4,640	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	0	0	0	0	0.0
ULFT Tank	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	0	0	0	0	0.0
Zero Water Urinal	0	0	0.00	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	
TOTAL	29	2,982,710	9	99	\$0	\$0	\$4,640	\$4,640	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					City	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	11	124,377	0	7.63	0	11	660	671	4.1
IEUA Rebate Program (ULFT)	14	125,909	0.39	5.80	0	14	1,540	1,554	9.4
Subtotal	25	250,286	1	13.43	0.00	25.00	2,200.00	2,226.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	4	45,228	0	2.78	0	420	240	660	11.1
Subtotal	4	45,228	0	2.78	0.00	420.00	240.00	660.00	11.1
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller (MWD Cil)	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0	0	0	0	0	0.0
TOTAL	29	295,514	1	16	0	\$445	\$2,440	\$2,885	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	2	22,614	0	1.39	0	22	120	142	4.8
IEUA Rebate Program (ULFT)	6	67,842	0	4.16	0	6	360	366	4.1
High Efficiency Clothes Washers	26	233,831	0.72	10.76	0	26	2,860	2,886	9.4
Pool Cover Rebates	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	34	324,287	1	16.32	0.00	54.00	3,340.00	3,394.00	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	0	0	0	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0.00	0.00	0.00	0.00	0.0
Cil Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0	0.00	0	0	0	0	0.0
Conductivity Controller	0	0	0	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0	0	0	0	0	0.0
TOTAL	34	324,287	1	16	0	\$54	\$3,340	\$3,394	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

San Antonio Water Company IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (Year)	AF Saved Lifetime City	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					IEUA	MWD	Total		
FY 2003-2004									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	2	22,614	0	1.39	0	22	120	142	3.4
IEUA Rebate Program (ULFT)	25	282,676	1	17.35	0	25	1,500	1,525	4.5
High Efficiency Clothes Washers	25	224,837	0.69	10.35	0	25	2,750	2,775	6.0
Pool Cover Rebates	11	802,854	2.46	12.30	0	583	0	583	2.3
Subtotal	63	1,332,981	4	41	0.00	655.00	4,370.00	5,025.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	0	0	0	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0	0	0	0	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms (Rebates)	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms (Distribution)	1	49,986	0.15	0.77	0	0	100	100	1.2
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	1	49,986	0	1	0	0	100	100	
TOTAL	64	1,382,967	4	42	0	\$655	\$4,470	\$5,125	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	0	0	0	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	4	45,228	0	2.78	0	44	240	284	6.7
IEUA Rebate Program (ULFT)	18	203,527	1	12.49	0	18	1,080	1,098	4.3
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Pool Cover Rebates	3	1,246,986	3.83	19.15	0	159	0	159	1.9
Subtotal	25	1,495,741	5	34.42	0.00	221.00	1,320.00	1,641.00	
IEUA Multi-Family Direct Install Prog (HET/ULFT)									
Multi-Family Program	0	0	0	0.00	0	0	0	0	0.0
Subtotal	0	0	0	0.00	0	0	0	0	
Cil Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Water Brooms	0	0	0.00	0.00	0	0	0	0	0.0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
X-Ray Film Processor (MWD Cil)	0	0	0.00	0.00	0	0	0	0	0.0
Restaurant Table Tent Program	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal	0	0	0	0.00	0.00	\$221	\$1,320	\$1,541	
TOTAL	25	1,495,741	5	34	0	\$221	\$1,320	\$1,541	

⁽¹⁾ Payback period = $\frac{\text{Total direct program costs}}{\text{AF saved/year} \times \text{MWD Tier II rate/AF}}$

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
San Antonio Water Company									0	
TOTAL									0	

FY 08/09

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
San Antonio Water Company									0	
TOTAL									0	

FY 09/10

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
San Antonio Water Company									0	
TOTAL									0	

FY 10/11

SUB AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied in CCF/HCF	Estimated Water Needs (Annually CCF/HCF)	Potential Savings AF/YR	Recommendations
San Antonio Water Co.	Life Bible Fellowship Church	Life Bible Fellowship Church	2426 N. Euclid Ave	Upland	62%	1.63	1753	2007	0.00	Standardize all stations to one sprinkler type, install weather based system, participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
San Antonio Water Co.	Waller, JT	Waller, JT	701 W. 24th St	Upland	55%	0.20	691	277	0.96	Standardize all stations to one sprinkler type, install weather based system, participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
San Antonio Water Co.	Richards, David & Judy	Richards, David & Judy	2599 Spring Terrace	Upland	47%	0.17	130	179	0.00	Standardize all stations to one sprinkler type, install weather based system, participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
San Antonio Water Co.	Gration, Dave	Gration, Dave	2492 Highland Rd	Upland	48%	0.19	765	229	1.28	Standardize all stations to one sprinkler type, install weather based system, participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
TOTAL									2.19	
									2.24	

Table 8
San Antonio Water Company
Water Education/Community Outreach Program Results
2002-2011 Period

Program	# of Schools	# of Students	# of Teachers	Funding
FY 2002-03				
Think Earth! It's Magic	0	0	0	\$ -
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2003-04				
Think Earth! It's Magic	0	0	0	\$ -
IEUA PDA Classes	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2004-05				
National Theater for Children	0	0	0	\$ -
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2005-06				
National Theater for Children	0	0	0	\$ -
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2006-07				
National Theater for Children	0	0	0	\$ -
IEUA PDA Classes	N/A	N/A	N/A	
Garden In Every School	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2007-08				
National Theater for Children	0	0	0	\$ -
Garden In Every School	N/A	N/A	N/A	\$ -
TOTAL	0	0	0	\$ -
FY 2008-09				
National Theater for Children	0	0	0	\$ -
Garden In Every School	N/A	N/A	N/A	
TOTAL	0	0	0	\$ -
FY 2009-10				
National Theater for Children	N/A	N/A	N/A	
Garden In Every School	N/A	N/A	N/A	
TOTAL				
FY 2010-11				
National Theater for Children	0	0	0	\$ -
Garden In Every School	N/A	N/A	N/A	\$ -
TOTAL	0	0	0	\$ -
2002-2011 Totals	0	0	0	\$ -

Appendix A

IEUA Water Use Summary Information Gallons Per Capita Per Day (GPCD)

Table 1. Total IEUA Service Area Water Use by Retail Agency for FY 2010-2011 (AF)

	Chino	Chino Hills	Ontario	Upland	CVWD	Fontana Water Co.	MVWD	San Antonio	TOTAL
Imported									
Tier I/II (MWD)	2,620	5,546	9,902	3,353	19,994	1,398	26	-	42,839
DYY (MWD)	17	-	4,473	-	1,003	-	3,050	-	8,544
SUBTOTAL	2,637	5,546	14,375	3,353	20,997	1,398	3,076	-	51,383
Chino Groundwater									
Chino Groundwater	7,287	4,706	14,433	736	19,315	8,348	6,267	716	61,808
Recycled Water	6,473	1,612	5,744	-	734	-	304	-	14,866
Other Groundwater	-	-	-	5,828	3,285	17,891	-	4,367	31,371
Surface Water	-	-	-	12,006	4,902	16,017	-	10,949	43,874
Desalter	4,895	4,201	5,187	-	-	-	-	-	14,282
SUBTOTAL	18,655	10,518	25,363	18,570	28,236	42,256	6,571	16,032	166,200
TOTAL	21,292	16,065	39,738	21,923	49,233	43,654	9,647	16,032	217,583

- Note: Monte Vista Water District, as a wholesaler, delivered 2,732 AF of Chino Basin groundwater to the City of Chino Hills. This is reported in Table 1 under the City of Chino Hills. This is also reported under the City of Chino Hills throughout the whole report.
- Note: Monte Vista Water District, as a wholesaler, delivered 4,035 AF of imported water to the City of Chino Hills. This is reported in Table 1 under the City of Chino Hills. This is also reported under the City of Chino Hills throughout the whole report.

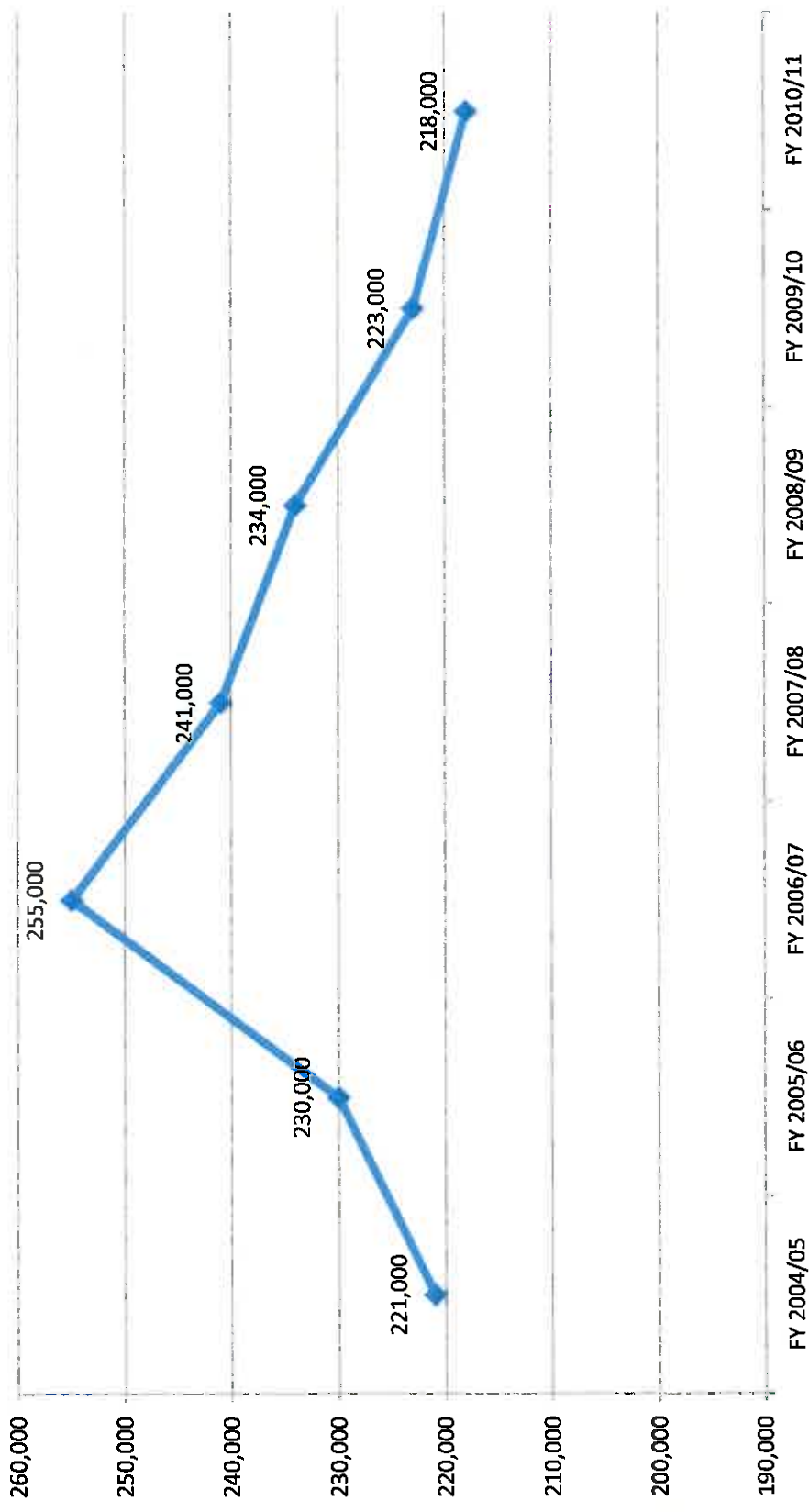
IEUA 20x2020 per Capita per Day Goals

	Baseline (Based upon average annual water demand years 2001 – 2010)	2015 Target (10% Reduction)	2020 Target (20% Reduction)
Gallons per Capita per Day (GPCD)	251	226	201

Impact of WUE Activities and Recycled Water Supply

	YEAR	
	GPCD Reduction by 2015	GPCD Reduction by 2020
Projected GPCD reduction from WUE Activities Only	5	13
Projected GPCD reduction from Recycled Water Supply Only	38	45
TOTAL Projected GPCD Reduction	43	58
10 Year Baseline GPCD	251	
IEUA GPCD Target	226	201
IEUA Projected GPCD Achievement	208	193

IEUA Member Agency Overall Water Use Trend



Appendix B

CBWCD - Landscape Audit Program Performance for FY 07/08, 08/09 & 09/10

Prepared by Chino Basin Water Conservation District, the annual evaluations included in this section determine the potential water savings of residential and commercial landscape irrigation systems. The water savings figures reflect all of the recommendations that were made for each site during the audit.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

FY 07/08

SITE-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Area (Acres)	Estimated Water Applied in 2007 (ACRE-FT)	Estimated Water Used Annually (ACRE-FT)	Estimated Sprinkler Run Time (HRS)	Recommendations
City of Chino	Valley Christian Church	Valley Christian Church	12410 Norton Ave	Chino	27%	5.07	11508	11268	0.51	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Yorba Court/Oven Court Associates, Inc.	Yorba Court/Oven Court Associates, Inc.	13106 Yorba Ave	Chino	42%	0.41	132	923	0.91	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Chino Venture	Chino Venture	14728 Ramona Ave	Chino	45%	0.55	1415	1247	0.38	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Teo Albers	Teo Albers	6241 Joaquin St	Chino	32%	0.52	2238	1172	2.45	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino	Bockman Couller Inc.	Bockman Couller Inc.	15989 Cypress Ave	Chino	75%	0.87	2017	1946	0.16	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills						0			0.00	N/A
City of Ontario	Dale Briggs	Dale Briggs	1230 W Philadelphia	Ontario	62%	0.07	586	166	1.00	Improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Upland	Mountain Green Shopping Center/Pacific Retail Properties	Mountain Green Shopping Center/Pacific Retail Properties	1255 W 7th St	Upland	55%	0.88	6660	1968	11.48	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
City of Upland	Upland Country Village/H W L Properties	Upland Country Village/H W L Properties	629 E. Foothill Blvd	Upland	54%	0.84	5627	1764	9.29	Install Weather Based System, Participate in all nozzle upgrade program
City of Upland	Parc Chateau HOA	Parc Chateau HOA	23rd SW Mountain Ave.	Upland	60%	4.36	16239	10123	14.06	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Arrow Park Townhomes HOA	Arrow Park Townhomes HOA	1245 W 13th St	Upland	47%	1.22	10833	2718	18.73	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Mountain Villas Complex	Mountain Villas Complex	964 W Arrow Hwy	Upland	38%	0.85	8174	1895	17.38	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CVWD						0			0.00	N/A
Fontana Water Company						0			0.00	N/A
MWWD	Costco	Costco	9404 Central Ave	Montclair	62%	1.12	11008	2480	7.50	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Target	Target	9050 Central Ave	Montclair	50%	1.34	8554	2871	8.50	Participate in nozzle upgrade programs
MWWD	Cambridge Park Townhome Apts	Cambridge Park Townhome Apts	9200 Monte Vista Ave	Montclair	38%	2.62	16000	1886	32.85	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Metro Honda	Metro Honda	9399 Autoplex Dr	Montclair	24%	0.11	4628	1469	7.26	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MWWD	Somerset Apartments	Somerset Apartments	12180 Ramona Ave	Chino	44%	2.6	3489	5614	Under Budget	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Christ Lutheran Church	Christ Lutheran Church	5600 Francis St	Chino	73%	1.93	3513	4165	Under Budget	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Borders Books & Music	Borders Books & Music	5055 Plaza Ln	Montclair	65%	0.52	3385	1160	5.07	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Mission Tiki Drive-In	Mission Tiki Drive-In	10788 Ramona Ave	Pomona	35%	2.51	13753	5583	1,178	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
MWWD	Emma Soto	Emma Soto	4192 E Grand Ave	Pomona	35%	0.09	228	206	0.05	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Calvary Chapel of the Chino Valley	Calvary Chapel of the Chino Valley	12205 Pipeline Ave	Chino	48%	0.98	6014	2185	8.79	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Cobblestone Village HOA	Cobblestone Village HOA	10300 Ramona Ave	Montclair	55%	1.08	6406	2343	9.32	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Augusta Homes	Augusta Homes	4361 Mission Blvd	Montclair	49%	4.83	15466	10711	10.96	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Kingley Grove HOA	Kingley Grove HOA	4185 Kingsley St	Montclair	57%	0.89	8275	3480	10.98	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
San Antonio Water Company						0			0.00	N/A
TOTAL										196.43

36.25

FY 08/09

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Irrigated Acreage	Estimated Water Applied (CY/HR)	Estimated Water Used (Annually) (CY/HR)	Potential Savings (M/YR)	Recommendations
City of Chino	Amberwood Apartments	Amberwood Apartments	12857 Ramona Ave	Chino	60%	2.18	14506	4846	22.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Calvary Chapel of Chino Hills	Calvary Chapel of Chino Hills	4201 Eucalyptus Ave	Chino	78%	1.73	6521	4002	5.80	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Pacific Warehouse	Chino Pacific Warehouse	5120 Scheerer Ave	Chino	57%	1.86	1640	1722	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Chino Valley YMCA	Chino Valley YMCA	5665 Edison Ave.	Chino	60%	0.92	2187	2041	0.30	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Envision Plastics	Envision Plastics	14312 Central Ave	Chino	55%	0.3	1465	657	1.90	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Genstar Technologies	Genstar Technologies	4626 Edison Ave.	Chino	41%	0.47	1527	1045	1.10	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Inland Hills Church	Inland Hills Church	14670 Ramona Ave	Chino	63%	5.89	22552	13041	21.90	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino	La Cuesta HOA	La Cuesta HOA	5690 Riverside Dr	Chino	60%	0.83	1206	1395	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Prime Development	Prime Development	4110 Edison Ave.	Chino	72%	0.37	1086	503	1.30	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Ramona Chino Property LLC Sterity Co. Inc	Ramona Chino Property LLC Sterity Co. Inc	13775-85 Ramona Ave	Chino	57%	0.43	1822	965	2.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Ramona Village Assoc.	Ramona Village Assoc.	4483 Teresita Ct	Chino	53%	1.78	6786	3846	6.50	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Royal Palm Ranch	Royal Palm Ranch	4798 Riverside Dr	Chino	46%	2.3	8918	5097	8.80	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Sterity Co. Inc	Sterity Co. Inc	4575 Schaefer	Chino	50%	0.16	641	369	0.80	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Sterity Co. Inc	Sterity Co. Inc	4625 Schaefer	Chino	44%	0.38	1021	849	0.40	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Sterity Co. Inc	Sterity Co. Inc	14225 Telephone Ave	Chino	53%	0.32	1344	453	2.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	United Electric Supply Company	United Electric Supply Company	15487 Dupont Ave	Chino	50%	0.25	1815	559	2.90	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Versa Technology Inc.	Versa Technology Inc.	4711 Chino Ave	Chino	68%	1.54	3103	3420	0.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Almac Felt Co	Almac Felt Co	19625 Benson Ave	Chino	58%	0.19	628	279	0.90	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	American Custom Golf Cars Inc	American Custom Golf Cars Inc	15710 El Prado Rd	Chino	No Test	0.22	1527	320	2.70	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Callagua	Callagua	15148 Sierra Bonilla Ln	Chino	No Test	0.05	219	73	0.33	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Crystal Lane Community Association	Crystal Lane Community Association	Euclid Ave, Joy St, Fern Ave, Margaret Ave	Chino	76%	4.6	16302	6557	22.40	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Free Free USA Inc	Free Free USA Inc	12860 Redwood Ct	Chino	60%	0.09	356	132	0.50	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Imaginary Fiberglass	Imaginary Fiberglass	15710 El Prado Rd	Chino	70%	0.23	233	325	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	International House of Pancakes	International House of Pancakes	12585 Central Ave	Chino	40%	0.1	609	160	1.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Park East II	Park East II	Schaefer Ave / Roswell	Chino	57%	2.8	3984	4056	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Seasons Senior Villas	Seasons Senior Villas	13180 Sixth St	Chino	83%	0.29	1617	422	2.70	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Sheeler Roswell HOA	Sheeler Roswell HOA	Esparanza/East End Ave	Chino	61%	1.22	5928	2666	7.70	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino	The Gardens	The Gardens	11918 Central Ave	Chino	42%	0.36	1509	516	2.43	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park Townhomes	Park Townhomes	12400 N Park	Chino	47%	1.8	6140	2555	8.20	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Womens Prison	Chino Womens Prison	16756 Chino Corona Rd	Corona	46%	23	71667	37221	90.00	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Cypress Creek HOA	Cypress Creek HOA	Roads: S/ Zimera	Chino	68%	1.55	5336	2194	8.40	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	First United Reformed Church	First United Reformed Church	6159 Riversids Dr	Chino	56%	1.05	4117	1494	6.00	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Foresome, LLC	Foresome, LLC	11760-11600 Central Ave	Chino	59%	0.45	1873	640	2.90	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Franklin Webster Square Assn.	Franklin Webster Square Assn.	12636 Franklin Ct	Chino	51%	0.53	2723	745	4.50	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	JG Construction	JG Construction	15632 El Prado Rd	Chino	59%	0.2	1194	284	2.10	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Kumar Industries	Kumar Industries	4775 Chino Ave	Chino	66%	0.29	1558	388	2.70	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Linda Howe	Linda Howe	4187 Barnsted Ct	Chino	50%	0.18	239	278	0.00	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Pariside Village	Pariside Village	Garfield Ave	Chino	60%	0.95	2940	1337	3.70	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Best Western Pine Wood	Best Western Pine Wood	12018 Central Ave	Chino	58%	0.48	1423	689	1.68	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	PWN, LLC	PWN, LLC	13405 Yorba Ave	Chino	54%	0.57	2702	1903	1.80	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Adobe Springs	Adobe Springs	Umah St	Chino	59%	1.69060147	4159	2367	4.12	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Childrens World #129	Childrens World #129	Riversids Dr	Chino	48%	0.30312213	2314	427	4.34	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Hampshire Village	Hampshire Village	Medford Ct	Chino	43%	1.05681818	5952	1483	10.03	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park East III	Park East III	Chino Ave Lilac	Chino	50%	7.0651157	14769	9653	11.06	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Saddlewood HOA	Saddlewood HOA	Saddlewood Lane	Chino	60%	1.72091363	2992	2423	1.28	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Steady Co. Inc-Chino Berbalini	Steady Co. Inc-Chino Berbalini	Norton Ave	Chino	31%	0.19982259	493	227	0.61	Improve DU, install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino Hills	Orakridge HOA	Orakridge HOA	2757 Grand Ave	Chino Hills	72%	8.6	12105	8060	9.20	Install Weather Based System, Participate in all nozzle upgrade program

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Chino Hills	Carbon Canyon HOA	Carbon Canyon HOA	Carbon Canyon HOA	Chino Hills	16238 Turquoise Circle	Chino Hills	53%	11.25	13163	7928	12.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon HOA	Carbon Canyon HOA	Carbon Canyon HOA	Chino Hills	15239 Turquoise Circle	Chino Hills	55%	11.25	13163	7928	12.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon HOA	Carbon Canyon HOA	Carbon Canyon HOA	Chino Hills	15240 Turquoise Circle	Chino Hills	55%	11.25	13163	7928	12.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Carbon Canyon HOA	Carbon Canyon HOA	Carbon Canyon HOA	Chino Hills	15241 Turquoise Circle	Chino Hills	55%	11.25	13163	7928	12.03	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Rolling Ridge La Park	Rolling Ridge La Park	Rolling Ridge La Park	Chino Hills	Glen Court	Chino Hills	62%	2.61019284	8547	3676	11.19	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Cedar Point HOA	Cedar Point HOA	Cedar Point HOA	City of Ontario	837 Mission Blvd	City of Ontario	65%	2.9	11602	4211	16.90	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Cypress Park	Cypress Park	Cypress Park	City of Ontario	S. Cypress Ave	City of Ontario	60%	3.2	8166	4668	8.20	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Del Rancho Park	Del Rancho Park	Del Rancho Park	City of Ontario	S. Cypress Ave	City of Ontario	55%	4.3	7336	6070	2.90	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type
City of Ontario	Euclid Median, State St south to Mission Blvd	Euclid Median, State St south to Mission Blvd	Euclid Median, State St south to Mission Blvd	City of Ontario	Euclid Median, State St south to Mission Blvd	City of Ontario	67%	1.7	2383	2475	0.00	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Kimball Park	Kimball Park	Kimball Park	City of Ontario	E. Walnut St	City of Ontario	51%	5.5	7713	7734	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mountain Village Town Homes	Mountain Village Town Homes	Mountain Village Town Homes	City of Ontario	1138 W. Francis St	City of Ontario	55%	0.2	1582	646	2.10	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Ranch Park	Ranch Park	Ranch Park	City of Ontario	E. Clydesdale st	City of Ontario	60%	1.7	3849	2480	3.30	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Ontario	TSEC Investments	TSEC Investments	TSEC Investments	City of Ontario	2651 S. Euclid Ave	City of Ontario	70%	0.13	1618	178	3.30	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Charley High School/Charley Joint Union High School District	Charley High School/Charley Joint Union High School District	Charley High School/Charley Joint Union High School District	Ontario	1245 N. Euclid Ave	Ontario	59%	24.38	29115	34348	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Corona Elementary Ontario-Montclair School District	Corona Elementary Ontario-Montclair School District	Corona Elementary Ontario-Montclair School District	Ontario	1149 North Corona	Ontario	63%	3.8	8862	5433	10.17	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Del Norte Elementary Ontario-Montclair School District	Del Norte Elementary Ontario-Montclair School District	Del Norte Elementary Ontario-Montclair School District	Ontario	850 North Del Norte Ave	Ontario	63%	5	10344	7043	7.58	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mt Zion Baptist Church	Mt Zion Baptist Church	Mt Zion Baptist Church	Ontario	224 W California St.	Ontario	51%	0.17	405	242	0.37	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Park Vista HOA	Park Vista HOA	Park Vista HOA	Ontario	1031 S. Palmetto	Ontario	55%	1.72	3537	2424	2.62	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	Vina Dante Middle School Ontario-Montclair School District	Vina Dante Middle School Ontario-Montclair School District	Vina Dante Middle School Ontario-Montclair School District	Ontario	1020 North Vine Avenue	Ontario	60%	4.26	10043	n/a	10.80	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Vineyard School Ontario-Montclair School District	Vineyard School Ontario-Montclair School District	Vineyard School Ontario-Montclair School District	Ontario	1500 East 6th Street	Ontario	46%	3.87	n/a	n/a	n/a	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Ontario	Heaven Business Park	Heaven Business Park	3350-3380 Shelby St	Ontario	54%	1,390,92205	2594	1956	1.46	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	First Assembly of God Church - Ontario	First Assembly of God Church - Ontario	1465 North Grove Ave	Ontario	57%	0.30700184	1402	432	2.23	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Barbara Papakonstantinou	Barbara Papakonstantinou	687 Camphor Way	Upland	69%	0.05	155	81	0.17	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Robert Steene	Robert Steene	1360 Erin Ave	Upland	57%	0.03	372	44	0.75	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Stanley Brody	Stanley Brody	1483 13th Ave	Upland	No Test	0.04	278	173	0.24	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Upland N Hills HOA	Upland N Hills HOA	1211 Parkview Circle	Upland	60%	2.1	6971	4680	5.03	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Yu Chang	Yu Chang	220 W Buffington St	Upland	79%	0.12	624	265	0.82	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Home Depot #1063	Home Depot #1063	1401 E 19th St	Upland	70%	1	6768	1405	12.30	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Northwood Upland Apartments II	Northwood Upland Apartments II	1662 W Arrow Highway	Upland	60%	5.05	12640	7112	12.70	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Pepperdale Condo Association	Pepperdale Condo Association	435 W 8th St	Upland	42%	0.97	3220	1369	4.30	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Free-Mountain Grove LP	Free-Mountain Grove LP	818 N Mountain Ave	Upland	60%	0.78	7418	1100	14.50	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Villa Montelena HOA	Villa Montelena HOA	905 Baseline Ave	Upland	79%	1.69	12163	2378	22.47	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Brian Kennedy	Brian Kennedy	2393 N. Euclid Ave.	Upland	45%	0.23	896	395	1.15	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Mountain View Park	Mountain View Park	Mildura Ave	Upland	65%	2.7	9188	3784	12.42	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Mountain View Park	Mountain View Park	Mildura Ave	Upland	65%	2.7	9188	3784	12.42	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Mountain View Park	Mountain View Park	Mildura Ave	Upland	65%	2.7	9188	3784	12.42	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Mountain View Park	Mountain View Park	Mildura Ave	Upland	65%	2.7	9188	3784	12.42	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Rancho Monte Vista	Rancho Monte Vista	2115 W Arrow Rte.	Upland	55%	2.63057851	7710	3564	9.52	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Amberly Place HOA	Amberly Place HOA	Archibald Ave /Church St	Rancho Cucamonga	62%	0.78	2946	1073	4.30	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Cimarron Oaks VI	Cimarron Oaks VI	1602 N. Vineyard Ave	Ontario	56%	2.6	14005	3752	23.50	Participate in nozzle upgrade programs

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CVWD	Donn Cushing	Donn Cushing	Donn Cushing	5251 Smokey Mtn.	Alta Loma	50%	0.07	355	285	0.13	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Figoni, Debbie	Figoni, Debbie	Figoni, Debbie	9661 Hidden Farm Rd	Alta Loma	66%	0.05	49	71	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Haekvitz, Irene	Haekvitz, Irene	Haekvitz, Irene	9655 Carran Ct	Rancho Cucamonga	No Test	0.11	278	173	0.24	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Mission Village Apartments/RDM Management, Inc.	Mission Village Apartments/RDM Management, Inc.	Mission Village Apartments/RDM Management, Inc.	7711 Archibald Ave.	Rancho Cucamonga	55%	1.09	2113	2426	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Niagara Bottling Company	Niagara Bottling Company	Niagara Bottling Company	5675 E. Concourse St.	Ontario	75%	0.63	4458	891	8.20	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Ontario Condos	Ontario Condos	Ontario Condos	2000 Yale St	Ontario	80%	0.72	9928	1916	18.90	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	West Gale HOA	West Gale HOA	West Gale HOA	Green Haven ave & Green Acre Dr.	Rancho Cucamonga	58%	1.48	3230	2061	6.60	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Cross and Crown Lutheran Church	Cross and Crown Lutheran Church	Cross and Crown Lutheran Church	8723 Etiwanda Ave	Rancho Cucamonga	61%	0.68	1148	816	0.76	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
CVWD	La Serena HOA	La Serena HOA	La Serena HOA	10151 Arrow Route	Rancho Cucamonga	55%	3.5	11159	4944	14.28	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Laing First Edition HOA	Laing First Edition HOA	Laing First Edition HOA	7543 W. Liberty Parkway	Rancho Cucamonga	54%	1.2	3353	1739	3.71	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Orchard Meadows HOA	Orchard Meadows HOA	Orchard Meadows HOA	3756 Knollwood Dr	Rancho Cucamonga	58%	3.17	6286	4470	8.79	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Villas at Terra Vista HOA	Villas at Terra Vista HOA	Villas at Terra Vista HOA	7607-7697 Haven Ave	Rancho Cucamonga	89%	0.96	3628	1377	5.17	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Anna Kolejka	Anna Kolejka	Anna Kolejka	11000 Vackleburg Ct	Rancho Cucamonga	52%	0.1562112	542	218	0.74	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
CVWD	First Assembly of God Church - Rancho Cucamonga	First Assembly of God Church - Rancho Cucamonga	First Assembly of God Church - Rancho Cucamonga	9720 Wilson Ave	Rancho Cucamonga	63%	1.48972819	3701	2006	3.89	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	LDS Church Baseline	LDS Church Baseline	LDS Church Baseline	9075 Baseline Ave	Rancho Cucamonga	53%	1.7578742	2495	2776	-0.78	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
CVWD	LDS Church Etiwanda	LDS Church Etiwanda	LDS Church Etiwanda	6829 Etiwanda Ave	Rancho Cucamonga	53%	4.44990817	7824	6268	3.57	Install Weather Based System, Participate in all nozzle upgrade program.
CVWD	LDS Church Haven	LDS Church Haven	LDS Church Haven	5474 Haven Ave	Rancho Cucamonga	57%	0.96290174	2470	1356	2.56	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
CVWD	Michael Camacho	Michael Camacho	Michael Camacho	6055 Zircon Ave	Alta Loma	52%	0.20915978	413	295	0.27	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
Fontana Water Company	Sturdy Co. - 10681	Sturdy Co. - 10681	Sturdy Co. - 10613	10613 Jasmine St.	Fontana	69%	0.51581726	855	727	0.28	Install Weather Based System, Participate in all nozzle upgrade program
Fontana Water Company	Sturdy Co. Inc- Tony's Express	Sturdy Co. Inc- Tony's Express	Sturdy Co. Inc- Tony's Express	10681 Jasmine St.	Fontana	57%	0.45592287	4172	642	8.11	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

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MVWD	Cinnamon Cattle II	Cinnamon Cattle II	4700 San Jose	Montclair	48%	6.75	36449	14980	12.25	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Greentree Garden HOA	Greentree Garden HOA	4652-4650 San Jose	Montclair	50%	2.11	3281	4860	5.04	Participate in nozzle upgrade programs
MVWD	Montclair Townhomes HOA	Montclair Townhomes HOA	10400 Yosemite	Montclair	55%	2.3	8013	5097	6.27	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Monterey Manor Mobile Home Park	Monterey Manor Mobile Home Park	11250 Ramona Ave.	Montclair	32%	1.28	6010	2854	7.25	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Peachwood Estates	Peachwood Estates	11330 Cumberland	Pomona	60%	3.9	10613	8534	4.56	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Sandra Rose	Sandra Rose	12390 Hillcrest Drive	Chino	57%	0.21	294	474	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Bethany Baptist Church	Bethany Baptist Church	9850 Monte Vista	Chino	55%	0.59	2292	826	3.30	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Don Voderka	Don Voderka	10202 Columbine Ave	Montclair	68%	0.09	217	130	0.19	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	John Auer	John Auer	4811 Orange Blossom Lane	Chino	50%	0.11	2272	427	4.20	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Towncenter Estates	Towncenter Estates	11080 Buckingham	Montclair	56%	1.63	6370	2306	9.30	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9387 Pradera Ave.	Montclair	No Test	0.1	1031	152	2.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9406 Pradera Ave.	Montclair	No Test	0.1	650	152	1.10	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	D & C Investment Properties	D & C Investment Properties	9395 Pradera Ave.	Montclair	No Test	0.1	321	152	0.40	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	D & C Investment Properties	D & C Investment Properties	9367 Pradera Ave.	Montclair	No Test	0.1	551	152	1.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Laird Properties LLC	Laird Properties LLC	4461-4771 Arrow Highway	Montclair	53%	0.26	705	364	0.80	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Montclair Police Dept	Montclair Police Dept	4870 Arrow Highway	Montclair	60%	2.4	4896	3080	4.20	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Monte Vista Elementary Ontario-Montclair School District	Monte Vista Elementary Ontario-Montclair School District	4900 Orchard St	Montclair	56%	3.2	12268	7484	11.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MVWD	Ontario Inn	Ontario Inn	5361 Holt	Montclair	42%	1	2394	137	5.10	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Kingsley Elementary Ontario-Montclair School District	Kingsley Elementary Ontario-Montclair School District	5625 Kingsley	Montclair	53%	3.5	5984	7793	4.20	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Buena Vista Elementary-Montclair School District	Buena Vista Elementary-Montclair School District	9775 Vernon Ave	Montclair	58%	0.66	611	930	0.00	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MVWD	Vernon Middle School Ontario-Montclair School District	Montclair	9775 Vernon Ave	Montclair	54%	5.3	12266	7484	11.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Chino Basin Conservation District	Montclair	4684 San Bernardino Street	Montclair	53%	0.53946577	2403	760	3.77	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Esther Martinez	Chino	4225 Jacobson	Chino	48%	0.16127181	632	227	0.93	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Helena Gardens HOA	Montclair	4791 Canoga	Montclair	No Test	2.07144169	1685	1459	0.52	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads,
MVWD	Jafra Cosmetics	Montclair	4404 Orchard St	Montclair	No Test	0.08512397	86	73	0.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Montclair Town Center LLC	Montclair	5100 San Bernardino	Montclair	54%	1.08204775	7124	1524	12.86	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads,
MVWD	Sullivan's Ranch HOA	Chino	East End & Lexington	Chino	No Test	0.3077135	1254	379	2.01	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MVWD	Superior Property Management	Montclair	9507 Central Ave	Montclair	54%	0.07938476	357	112	0.56	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
San Antonio Water Company						0			0.00	N/A

TOTAL

289.20

782.23

FY 09/10

SUB-AGENCY	CUSTOMER	SITE	ADDRESS	CITY	Average Irrigation Efficiency	Estimated Water Applied in COEFF	Estimated Water Meters Annually COEFF	Estimated Annual Savings \$/YR	Estimated Annual Savings \$/YR	Recommendations
City of Chino	Nan, Dustin	Nan, Dustin	6751 Burke Ct	Chino	62%	0.03	11	38	0.00	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	American Pacific	American Pacific	13851 Magnolia Ave,	Chino	54%	0.38337525	1380	540	1.37	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Fire District #63	Chino Valley Fire District #63	7550 Kimball Ave,	Chino	70%	0.20394658	841	287	1.27	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	Park Place Chino HOA (North Section)	Park Place Chino HOA (North Section)	12836 Twelfth St	Chino	45%	0.30185188	1725	482	2.85	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino - Carolyn Owens Community Center	City of Chino - Carolyn Owens Community Center	13201 Central Ave	Chino	55%	0.29195511	2323	360	4.51	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - City Yard	City of Chino - City Yard	5050 Schaefer Ave	Chino	55%	1.16858219	2673	1547	2.36	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Civic Center	City of Chino - Civic Center	13220 Central Ave	Chino	69%	2.52882185	7682	3551	9.45	Improve DU, Install Weather Based System, Fix broken lines, Standardize all station to one type of sprinkler
City of Chino	City of Chino - Community Building	City of Chino - Community Building	5443 B Street	Chino	54%	1.06735537	2240	1471	1.77	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

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City of Chino	City of Chino - Human Services/Chino Valley Fire District # 61	City of Chino - Human Services/Chino Valley Fire District # 61	13271 Central Ave.	Chino	48%	0.00514233	1881	1134	1.74	Improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Chino	City of Chino - Teen Center	City of Chino - Teen Center	13023 Central Ave	Chino	No Test	0.07279814	213	64	0.31	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino - Cypress Trails Park	City of Chino - Cypress Trails Park	6571 Schaefer Ave	Chino	67%	6.48487144	7749	9134	0.00	improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Chino	City of Chino - Heritage Park	City of Chino - Heritage Park	4250 Chino Ave	Chino	52%	6.75406336	13201	9513	6.47	improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Chino	City of Chino - Mountain View Park	City of Chino - Mountain View Park	13351 Mountain Ave	Chino	54%	6.71453166	19344	9458	22.70	improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Chino	City of Chino - Walnut Park	City of Chino - Walnut Park	4600 Walnut Ave	Chino	58%	4.04080909	5645	5691	0.00	improve DU, install Weather Based System, Fix broken lines, Standardize all stations to one type of sprinkler
City of Chino Hills	Swingle, Richard	Swingle, Richard	14970 Beechwood Ln	Chino Hills	30%	0.1	49	118	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Butterfield Fire Station (Chino Valley Fire District #62)	Butterfield Fire Station (Chino Valley Fire District #62)	5551 Butterfield Ranch Rd	Chino Hills	No Test	0.59030303	571	511	0.14	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire Department Training Center	Chino Valley Fire Department Training Center	4040 Eucalyptus Ave	Chino Hills	43%	0.47210744	895	665	0.53	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire District #64	Chino Valley Fire District #64	16231 Cannon Ln.	Chino Hills	No Test	1.17615914	809	1035	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino Hills	Chino Valley Fire District Station #66	Chino Valley Fire District Station #66	13707 Peyton Dr.	Chino Hills	54%	0.30388226	1206	547	1.51	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	Cuthbertson, Pam	Cuthbertson, Pam	1330 N. Chaffey Ct	City of Ontario	No Test	0.07	9.5	81	0.00	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	Dorion, Rick	Dorion, Rick	3235 Clover Ln	City of Ontario	64%	0.12	141	146	0.00	improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Mission Woods	Mission Woods	1306 W. Mission Ave	City of Ontario	58%	1.62933884	9486	2000	17.21	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	Poitofino	Poitofino	3107 S. Deek Creek Loop	City of Ontario	42%	1.48705234	6524	1833	15.36	improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Ontario	Stoneridge Court	Stoneridge Court	1100 - 1500 Stoneridge Ct	City of Ontario	41%	2.08432048	2568	2202	0.84	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Mallorca HOA	Mallorca HOA	Mallorca St	Upland	66%	2.66701102	10162	3757	14.75	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Asadurian, Judy	Asadurian, Judy	1835 Vinton Ave	Upland	60%	0.68	1588	839	1.72	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	Asadurian, Judy	Asadurian, Judy	165 S. Campus Ave	Upland	No Test	0.07	8	60	0.00	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.
City of Upland	Asadurian, Judy	Asadurian, Judy	185 N 12th Street	Upland	No Test	0.11	12	101	0.00	Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU, Standardize all stations to one sprinkler type.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

City of Upland	Astadian, Judy	Astadian, Judy	186 N. 12th Street	Upland	No Test	0.08	9	67	0.00	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Ellis, Mary	Ellis, Mary	1770 N. Euclid Ave	Upland	No test	0.1822461	364	232	0.30	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Peltier, Lori	Peltier, Lori	1841 Oceanair Way	Upland	61%	0.48512397	964	598	0.84	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Rasool, Intiaz	Rasool, Intiaz	25 W. 17th Street	Upland	65%	0.4820753	1782	569	2.81	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Thiele, Rick & Dawn	Thiele, Rick & Dawn	2993 N. Mountain Ave	Upland	No	0.74517906	741	668	0.20	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
City of Upland	Vagenas, Pete	Vagenas, Pete	255 W 21st Street	Upland	60%	1.85098714	5447	2401	6.99	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
City of Upland	Warren Bob & Susie	Warren Bob & Susie	1741 N Palm Ave	Upland	65%	0.31735537	985	391	1.32	Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	Waite, Don	Waite, Don	2028 Winston Ct	Upland	79%	0.21781451	988	269	1.65	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CWWD	St Peter & St Paul Catholic Church	St Peter & St Paul Catholic Church	8135 Banyan St	Rancho Cucamonga	56%	1.1857438	4250	1461	3.35	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Golden Oak Park - City of Rancho Cucamonga	Golden Oak Park - City of Rancho Cucamonga	8945 Golden Oak Rd.	Rancho Cucamonga	68%	3.9826905	7388	5916	5.68	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Hermosa Park - City of Rancho Cucamonga	Hermosa Park - City of Rancho Cucamonga	8787 Hermosa Ave.	Rancho Cucamonga	71%	6.61696511	15520	10620	10.79	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	Old Town Park - City of Rancho Cucamonga	Old Town Park - City of Rancho Cucamonga	10033 Feron Blvd	Rancho Cucamonga	73%	3.30266655	9457	4070	5.57	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CWWD	Spruce Park - City of Rancho Cucamonga	Spruce Park - City of Rancho Cucamonga	7730 Spruce Ave	Rancho Cucamonga	52%	3.00151616	7322	3699	8.32	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
CWWD	West Greenway Park - City of Rancho Cucamonga	West Greenway Park - City of Rancho Cucamonga	7755 Meadowcrest Ct	Rancho Cucamonga	62%	4.05769872	11169	5728	12.49	Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU, Standardize all stations to one sprinkler type.
CWWD	Chaffey College - Rancho Cucamonga	Chaffey College - Rancho Cucamonga	5885 Haven Ave	Rancho Cucamonga	60%	31.9169421	63981	39336	56.54	Install Weather Based System, Participate in all nozzle upgrade program
CWWD	St Peter & St Paul Catholic House	St Peter & St Paul Catholic House	6084 Falling Tree Lane	Rancho Cucamonga	62%	0.29562902	651	352	0.71	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Fontana Water Company	Chaffey College - Fontana	Chaffey College - Fontana	16855 Merritt Avenue	Fontana	60%	1.10716253	3828	1365	5.20	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	ALJ INVESTMENT CO LLC	ALJ INVESTMENT CO LLC	10285 Central	Montclair	55%	0.17121212	1773	210	3.57	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Borgie/Masari	Borgie/Masari	5A39 - 5440 Arrow Hwy	Montclair	55%	0.15691001	1304	183	2.55	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MWWD	Girl Scouts - Spanish Trails	Girl Scouts - Spanish Trails	9525 Monte Vista Ave	Montclair	55%	0.16636823	797	237	1.29	Improve DU, Standardize all stations to one sprinkler type, Participate in all nozzle upgrade programs, fix any broken lines or heads.

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MWWD	Montclair Plaza	Montclair Plaza	Montclair Plaza	Montclair Plaza In	Montclair	57%	0.13767218	23718	5726	41.31	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Montclair Plaza Sears	Montclair Plaza Sears	Montclair Plaza Sears	5650 Montclair Plaza In	Montclair	56%	0.21307713	1943	339	3.75	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Pomona Valley Customs	Pomona Valley Customs	Pomona Valley Customs	4081 Holt Blvd	Montclair	52%	0.23672314	1329	336	2.28	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	City of Montclair - Fire Station #1	City of Montclair - Fire Station #1	City of Montclair - Fire Station #1	8901 Monte Vista Ave	Montclair	55%	0.23693533	932	291	1.47	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	City of Montclair - Fire Station #2	City of Montclair - Fire Station #2	City of Montclair - Fire Station #2	10625 Monte Vista Ave	Montclair	20%	0.03133809	267	44	0.51	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Applegate HOA	Applegate HOA	Applegate HOA	Applegate Ave	Ontario	55%	0.09232323	553	102	1.05	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Helena Court HOA	Helena Court HOA	Helena Court HOA	8508 Helena	Montclair	55%	0.23847657	2524	366	4.95	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Essex Park	Essex Park	Essex Park	4300 Clair Park	Montclair	63%	2.5716463	4293	3168	2.58	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Mac Arthur Park	Mac Arthur Park	Mac Arthur Park	5450 Oeodor Street	Montclair	63%	1.87846946	4596	2646	4.48	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Anderson, Audrey Residence	Anderson, Audrey Residence	Anderson, Audrey Residence	5174 Orange Blossom	Chino	52%	0.37396894	267	527	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
MWWD	Anderson, Richard Residential	Anderson, Richard Residential	Anderson, Richard Residential	3302 Hill View Dr	Chino	47%	2.1699045	2185	2535	0.00	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Furr, Arnold	Furr, Arnold	Furr, Arnold	4460 Moreno St.	Montclair	No Test	0.09298980	269	157	0.23	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
MWWD	Sahagian, John Residential	Sahagian, John Residential	Sahagian, John Residential	5544 Evergreen Ct	Chino	73%	0.3520202	811	434	0.87	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
San Antonio Water Company							0			0.00	

TOTAL 113.61 302.55

FY 10/11

SUBAGENCY	CUSTOMER	DATE	ADDRESS	CITY	Average Irrigation Uniformity	Imagined Accuracy	Estimated Water Applied in COOLING	Estimated Water Savings Potential (Gallons per Month) @ 100% Efficiency	Estimated Potential Savings \$/YR	Expenditure/Status
City of Chino	Charley College - Chino	Charley College - Chino	5687 College Park Ave	Chino	59%	2.83	4717	3237	3.40	Improve DU. Install Weather Based System. Fix broken lines. Standardize all stations to one type of sprinkler
City of Chino	Paulson, Mark	Paulson, Mark	12821 College Hill	Chino	42%	0.09	77	113	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, fix any broken lines or heads.
Chino Hills	Morad, John	Morad, John	2248 Brandon Ct	Chino Hills	68%	0.30	788	365	0.97	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
Chino Hills	Chambers, Albert	Chambers, Albert	15638 Country Club Dr	Chino Hills	52%	0.07	132	87	0.10	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

Chino Hills	Rosa, Gloria	Rosa, Gloria	2419 Milano Terrace	Chino Hills	85%	0.36	742	442	0.88	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
Chino Hills	Shahar, Barbara	Shahar, Barbara	3085 Daybreak Ct.	Chino Hills	82%	0.13	105	158	0.00	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
Chino Hills	Arif, Mohammed	Arif, Mohammed	1430 Woodridge Hwy	Chino Hills	88%	0.24	836	215	1.20	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
Chino Hills	Saadalla, Nagy	Saadalla, Nagy	10158 Calle Vesano	Chino Hills	85%	0.13	218	140	0.18	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
Chino Hills	Musad, Hossain	Musad, Hossain	1004 Evans Ct	Chino Hills	83%	0.88	698	840	0.00	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
Chino Hills	Karim, Ahmed	Karim, Ahmed	18105 Highland Place Ct	Chino Hills	59%	0.68	1,814	1,080	1.73	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
Chino Hills	Emel Carbon Olayun HOA	Emel Carbon Olayun HOA		Chino Hills	83%	2.70	14,248	4,864	22.23	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Ontario	Chakrabarti, Pooja	Chakrabarti, Pooja	1330 N. Oakley Ct	Ontario	No Test	0.07	10	81	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
City of Ontario	De, Smita	De, Smita	327 Oakley Ln	Ontario	84%	0.12	141	148	0.00	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
City of Ontario	Al-Sayid, Ali	Al-Sayid, Ali	211316 on Ave	Ontario	64%	0.18	513	171	0.79	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Ontario	Park and HOA	Reformed Hill		Ontario	89%	2.64	7310	3182	8.55	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Boal, Carolyn	Boal, Carolyn	1332 Stone Ct	Upland	81%	0.07	208	92	0.26	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
City of Upland	Chapman, Sharon	Chapman, Sharon	1773 N. Sun Ave	Upland	22%	0.05	119	64	0.12	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
City of Upland	Wilder, Charles & Sheila	Wilder, Charles & Sheila	27 Terrace St	Upland	49%	0.24	685	301	0.64	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Horsbush, Steve	Horsbush, Steve	1166 Jefferson St	Upland	65%	0.17	709	208	1.15	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Dwyer, Janet	Dwyer, Janet	605 Valley View Ct	Upland	97%	0.22	827	269	1.28	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs. Fix any broken lines or heads.
City of Upland	Morales, Nancy	Morales, Nancy	2240 N. Euclid Ave	Upland	42%	0.45	1121	550	1.28	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Shepherd, Jerry	Shepherd, Jerry	1883 Harding Way	Upland	52%	0.13	308	165	0.33	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Fisher, Debbie	Fisher, Debbie	30177 243 St	Upland	71%	0.14	424	175	0.67	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU
City of Upland	Hinkle, Julie	Hinkle, Julie	2117 Spring Terrace	Upland	88%	0.14	440	178	0.80	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs. Fix any broken lines or heads. Improve DU

Summary of Findings from CBWCD-Phase III Landscape Audit Program

MWWD	Thompson, Johanna	Thompson, Johanna	64581 Hold Blvd	Monclair	95%	0.09	308	105	1.11	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, for any broken lines or heads.
MWWD	Jones, Douglas	Jones, Douglas	6929 France St	Monclair	No Test	0.09	440	99	0.78	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
MWWD	Zepeda, Lourdes	Zepeda, Lourdes	9133 Camille Ave	Monclair	88%	0.04	111	50	0.14	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
MWWD	Nazir, Saniya	Nazir, Saniya	1154 Coupage Ave	Monclair	95%	0.05	382	102	0.60	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
MWWD	Bianco, Xenara	Bianco, Xenara	10048 Bl Au. 210	Monclair	No Test	0.05	197	78	0.27	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, for any broken lines or heads.
MWWD	Childson, Grace	Childson, Grace	4769 Beebe Ave	Monclair	89%	0.09	340	111	0.93	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
MWWD	Diego, Angalina	Diego, Angalina	11281 Paulson Ave	Monclair	41%	0.02	215	25	0.79	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
MWWD	Neri, Bernice	Neri, Bernice	5839 W. Carlton St	Orleans	82%	0.13	341	139	0.42	Improve DU. Standardize all stations to one sprinkler type. Participate in all nozzle upgrade programs, for any broken lines or heads.
San Antonio Water Co.	Liz L. Mc Kelly, J. Clark	Liz L. Mc Kelly, J. Clark	243211 Boulevard	Unlabeled	82%	1.33	1733	207	0.00	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
San Antonio Water Co.	W. J. J. J.	W. J. J. J.	701 W. 345 St.	Unlabeled	55%	0.20	691	277	0.98	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
San Antonio Water Co.	David & Judy	David & Judy	7407 Spring Tree	Unlabeled	47%	0.17	130	179	0.00	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU
San Antonio Water Co.	James, Dave	James, Dave	2492 Highland	Unlabeled	48%	0.19	785	226	1.28	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, for any broken lines or heads. Improve DU

TOTAL

60.60

173.00

Appendix C

Summary of Findings from FY 06/07 Phase II Landscape Audit Program

Prepared by HydroEarth, the evaluations included in this section determine the potential water savings of residential and commercial landscape irrigation systems. The water savings figures reflect all of the recommendations that were made for each site during the audit.

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

REP AGENCY	ESTABLISHMENT	SITE	ADDRESS	CITY	Average Irrigation Uniformity	Infiltrated Average	Exposed Water Reported in Gutters	Foot Traffic Health Hazard Potential	Water Wastage	Pressure	Flow Rate	Recommendations
City of Chino	Chino Valley Unified SD	Magnolia Middle School	13150 Mountain Avenue	Chino	48%	10.64	82"	42"	22"	24	24	Standardize all stations to one sprinkler type, install weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	EJ Marshall ES	12045 Telephone Ave	Chino	42%	3.87	84"	42"	24"	9.51	9.51	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	Gird ES	4680 Riverside Dr	Chino	43%	3.75	84"	42"	23"	9.16	9.16	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	Cortez ES	12750 Carissa	Chino	45%	2.91	84"	42"	23"	6.34	6.34	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	El Rancho ES	5882 C St	Chino	54%	3.57	80"	42"	20"	7.23	7.23	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	Borba FS	12970 Third St	Chino	64.50%	3.77	74"	42"	15"	6.34	6.34	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	Chino Valley Unified SD	Ramona JHS	4675 Walnut Avenue	Chino	45%	11.26	89"	42"	23"	24.48	24.48	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Heritage Park	4250 Chino Ave	Chino	37%	6.1	86"	42"	18"	16.13	16.13	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Mountain View Park (excluding water well sites)	13351 Chino Ave	Chino	52%	6.83	80"	42"	20"	14.35	14.35	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Walnut Park	4600 Walnut Ave	Chino	52%	22	80"	42"	20"	9	9	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Cypress Trails Park	6573 Schaefer Ave	Chino	46.40%	6.59	83"	42"	23"	15.39	15.39	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Sebring Park & Fillmore Median	12379 Sycamore Ave	Chino	77%	0.74	70"	42"	10"	1.11	1.11	Install Weather Based System, Participate in all nozzle upgrade programs
City of Chino	City of Chino Public Works	McLeod Park	12250 Carissa Ave	Chino	69%	2.67	73"	42"	13"	4	4	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Liberty Park	5023 Adams Ave	Chino	61%	5.48	77"	42"	16"	10.11	10.11	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Monte Vista Park (excluding Splash Pad)	13196 Monte Vista Ave	Chino	50%	3.68	81"	42"	21"	8.1	8.1	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Oak Tree Square	5112 Riverside Dr	Chino	48%	0.382	81"	42"	21"	0.89	0.89	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Seventh Street Park	12781 7th St	Chino	62.70%	0.214	76"	42"	16"	0.401	0.401	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Chino	City of Chino Public Works	Centennial Square Park	12728 Central Square Park	Chino	26%	0.1	91"	42"	31"	0.3	0.3	Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

City of Chino Hills	Chino Valley Unified SD	Butterfield Ranch ES	69350 Mystic Canyon	Chino Hills	60%	4.37	77"	42"	17"	8.09	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Canyon Hills JHS	2500 Madrugada	Chino Hills							
City of Chino Hills	Chino Valley Unified SD	Hidden Trails ES	2250 Ridgeview Way	Chino Hills	72%	4.12	72"	42"	12"	6.17	Install Weather Based System. Participate in all nozzle upgrade programs
City of Chino Hills	Chino Valley Unified SD	Oak Ridge ES	15452 Valle Vista Dr	Chino Hills	70%	4.19	73"	42"	13"	6.29	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads,
City of Chino Hills	Chino Valley Unified SD	Chino Hills HS	16150 Pomona Rincon Rd	Chino Hills	40%	10.46	85"	42"	25"	26.67	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Los Serranos ES	15650 Pipeline Ave	Chino Hills	46%	2.5	83"	42"	23"	5.83	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Country Springs ES	14145 Village Center Dr	Chino Hills	46%	3.89	83"	42"	23"	9.46	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Rolling Ridge ES	13677 Calle San Marcos	Chino Hills	50%	5.37	81"	42"	21"	11.81	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Glenmeade ES	15000 Whirlaway Lane	Chino Hills	43%	2	84"	42"	24"	4.88	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Townsend JH	15359 Ilex Drive	Chino Hills	55%	8.48	79"	42"	19"	16.91	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Ayala HS	14255 Peyton Dr	Chino Hills	47%	16.1	82"	42"	22"	43.65	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Eagle Canyon ES	13435 Eagle Canyon Dr	Chino Hills	52%	2.49	80"	42"	20"	6.35	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Chino Hills	Chino Valley Unified SD	Litet ES	3425 Eucalyptus Ave	Chino Hills	45%	3.85	78"	42"	18"	10.61	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Ontario	City of Ontario Parks	Vineyard Park	E 6th St and N Baker	Ontario	56%	6	78"	42"	18"	16.8	Improve DU. Install Weather Based System. Fix broken lines, Standardize all station to one type of sprinkler
City of Ontario	City of Ontario Parks	Grove Ave Park	Grove Ave between East I and East G Streets	Ontario	47.60%	4.47	82"	42"	22"	9.93	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, install a flow or pressure sensor for the breaks, Improve DU
City of Ontario	City of Ontario Parks	Cypress Park	1112 S. Cypress	Ontario	77%	3.45	78"	42"	11"	5.18	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Del Rancho Park	Cypress & Philadelphia	Ontario	35%	4.38	87"	42"	27"	11.99	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Sam Alba Park	Sullana & Sunlist	Ontario	76%	0.942	78"	42"	10"	1.41	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Kimball Park	Campus and Walnut	Ontario	60%	8.86	78"	42"	17"	8.86	Install Weather Based System. Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Centennial Park	Riverside Dr. & Campus	Ontario	60%	2.94	78"	42"	17"	5.43	Standardize all stations to one sprinkler type. Install Weather Based System. Participate in all nozzle upgrade programs, fix and adjust misaligned heads

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

City of Ontario	City of Ontario Parks	James Bryant Park	San Antonio & D St	Ontario	55%	3.78	78"	42"	18"	7.54	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Galanis Park	Grove & D St	Ontario	60%	3.63	78"	42"	17"	6.8	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix and adjust misaligned heads
City of Ontario	City of Ontario Parks	Creekside Park	Turner & Riverside	Ontario	60%	4.33	78"	42"	17"	8.11	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix and adjust misaligned heads, make head spacing uniform
City of Ontario	City of Ontario Parks	Speedway Park	4th & Central	Ontario	57%	5.49	78"	42"	16"	10.37	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix broken lines, make head spacing uniform
City of Ontario	City of Ontario Parks	George Gibbs Park	5th & Benson	Ontario	65%	2.66	78"	42"	15"	4.29	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any misaligned rotors
City of Ontario	City of Ontario Parks	John Galvin Park	N Grove Ave & E 4th St	Ontario	34.60%	26.7	87"	42"	27"	64.16	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
City of Ontario	City of Ontario Parks	Homer Briggs Park	Oaks & Philadelphia	Ontario	62%	9.55	76"	42"	16"	14.33	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
City of Ontario	City of Ontario Parks	Creekside Golf Course	3151 Riverside Drive	Ontario	68%	8.28	78"	42"	13"	12.41	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	City of Ontario Parks	Bon View Park	1010 S. Bon View Ave	Ontario	68%	7.19	78"	42"	13"	10	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Ontario	City of Ontario Parks	De Anza Park	1405 S. Fern St	Ontario	57%	17.6	78"	42"	18"	34.28	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	Sierra Vista Park	N 2nd Ave & E 18th St	Upland	69%	6.2	72"	42"	13"	9.3	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
City of Upland	City of Upland Parks	Cabrillo Park & Soccer Complex	1465 W. 11th St.	Upland	69%	18.25	73"	42"	13"	27.38	Install Weather Based System, Participate in all nozzle upgrade program
City of Upland	City of Upland Parks	Green Belt Park	15th St. between Benson & Mountain	Upland	60%	7.51	77"	42"	16"	13.89	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	Magnolia Park	15th & San Antonio Ave	Upland	56%	4.94	78"	42"	18"	9.77	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	Ollivdale Park	8th between Campus & San Sullana Aves	Upland	52%	4.58	80"	42"	20"	9.79	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	8th Street Reservoir	E 8th and S Campus	Upland	63%	3.96	75"	42"	15.5"	7.07	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	Upland Memorial Park	Foothill Blvd between Campus & Grove Ave	Upland	40%	19	85"	42"	25"	48.54	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	13th Street Reservoir	13th St. and Campus Ave.	Upland	59%	2.07	73"	42"	13"	4.19	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU
City of Upland	City of Upland Parks	Fern Reservoir	8th between Euclid & San Antonio Aves	Upland	64%	0.929	75"	42"	15"	1.39	Install Weather Based System, Participate in all nozzle upgrade programs, improve DU
City of Upland	City of Upland Parks	San Antonio Park	24th St & Mountain	Upland	66.85%	2.51	73"	42"	13"	5.09	Standardize all stations to one sprinkler type, install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, improve DU

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

City of Upland	City of Upland Parks	McCarthy Park		North San Antonio Ave	Upland	55%	3.91	78"	42"	18"	8.22	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	City of Upland	Library		460 N Euclid	Upland	64%	0.79	76"	42"	16"	1.39	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	City of Upland	City Hall		460 N. Euclid Ave	Upland	32%	0.411	89"	42"	29"	1.17	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	City of Upland	Carnegie Building		123 East D St	Upland	37%	0.17	88"	42"	26"	0.44	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
City of Upland	City of Upland	Fire Station		475 N. 2nd Ave	Upland	23%	0.09	92"	42"	32"	0.28	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Fontana Water Co	City of Fontana Parks	AB Miller Park		6621 Oleander	Fontana	70%	22	78"	42"	12.6"	33	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs
Fontana Water Co	City of Fontana Parks	Koehler Park		15352 Walnut Ave	Fontana	55%	7.32	72"	42"	12"	13.18	Fix broken heads, Look into artificial turf, Install Weather Based System, Participate in nozzle upgrade program, Improve DU
Fontana Water Co	City of Fontana	Beach Ave Median		Beach Ave between Highland & Walnut Avenues	Fontana	40%	0.438	60"	21"	2.4"	0.9	Implement flow sensors and meter valves, Fix broken lines and heads, Install Weather Based System, Participate in nozzle upgrade programs, Improve DU
Fontana Water Co	City of Fontana Parks	Catalawba Park		1141 Catalawba Ave	Fontana	51%	11	72"	42"	18"	16.5	Fix broken lines, Install Weather Based System, Participate in nozzle upgrade programs
Fontana Water Co	City of Fontana Parks	Fiesta Park		17127 La Vesu Rd	Fontana	40%	1	73"	42"	25"	2.19	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, Make head spacing uniform, Improve DU
Fontana Water Co	City of Fontana Parks	Shadow Park		14250 Shadow Ave	Fontana	47.60%	5.61	82"	42"	22"	12.69	Standardize all stations to one sprinkler type, In ball Weather Based System, Participate in all nozzle upgrade programs, Make head spacing uniform, Improve DU
Fontana Water Co	City of Fontana Parks	Oak Park		14180 Oak Ave	Fontana	61%	2.83	77"	42"	16"	4.4	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix broken lines
Fontana Water Co	City of Fontana Parks	Martin Tutor Park		11660 Serrita Ave	Fontana	48%	7.43	83"	42"	23"	17.35	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix broken lines
Fontana Water Co	City of Fontana Parks	Nature Center		11501 Cypress Ave	Fontana	51%	2.02	80"	42"	21"	4.37	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, Make head spacing uniform, Improve DU
Fontana Water Co	City of Fontana Parks	Chaparral Park		11415 Rancharitas	Fontana	50%	8	82"	42"	21"	17.76	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs,
Fontana Water Co	City of Fontana Parks	Sycamore Park		11075 Meyberry Dr.	Fontana	41%	2.11	84"	42"	2.4"	5.25	Improve DU, Install Weather Based System, Standardize all station to one type of sprinkler, Implement monthly irrigation maintenance program
Fontana Water Co	Fontana SD	North Tamarin ES		7981 Tamarin Ave	Fontana	67%	4.07	78"	42"	10"	6.11	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix and adjust misaligned heads
Fontana Water Co	Fontana SD	Live Oak ES		9522 Live Oak Ave	Fontana	71%	3.43	78"	42"	12"	5.15	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken heads
Fontana Water Co	Fontana SD	Redwood ES		8570 Redwood Ave	Fontana	60%	3.75	78"	42"	17"	6.835	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken heads, Use artificial turf
Fontana Water Co	Fontana SD	Cypress ES		8751 Cypress	Fontana	60%	4.09	78"	42"	17"	6.14	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, Make head spacing uniform

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

Fontana Water Co	Fontana SD	Citrus ES		16041 Randall Ave	Fontana	52.40%	5.92	80"	42"	20"	12.7	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Fontana Water Co	City of Fontana Parks	Village Park		15061 E. Village Drive	Fontana	48%	11	82"	42"	21"	24.62	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Fontana Water Co	City of Fontana	Jack Bulik Park		16581 Filbert St	Fontana	46%	6.76	83"	42"	23"	15.8	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
Fontana Water Co	Fontana SD	Heritage IS		Heritage Circle and Baseline Rd	Fontana	43.30%	3.11	84"	42"	24"	7.6	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Mac Arthur Park		5450 Deodor, Montclair	Montclair	57%	2.38	78"	42"	18"	4.65	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Rancho Cucamonga Parks	Golden Oaks Park		5345 Golden Oak. Rd	Rancho Cucamonga	75.50%	4.04	78"	42"	11"	N/A	Participate in nozzle upgrade programs
MVWD	City of Montclair	Kingsley Park		5675 Kingsley St	Montclair	45%	2.52	84"	42"	23"	5.97	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Golden Girls Park (also called Vernon Park)		9762 Benson Ave	Rancho Cucamonga	63.60%	1.304	76"	42"	15"	2.28	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Alma Hoffman Park		5201 Banito St	Montclair	64%	3.15	76"	42"	15"	5.43	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Sunset Park		5616 Princeton St.	Montclair	62%	16	78"	42"	16"	9.74	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Saratoga Park		5397 Kingsley St	Montclair	65%	8.98	74"	42"	15"	14.98	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Sumise Park		5616 Princeton St	Montclair	61%	1.84	78"	42"	16"	3.39	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads
MVWD	City of Montclair	Wilderness Basin Park		4692 San Bernardino St	Montclair	53%	3.28	78"	42"	18"	3.85	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Essex Park		4300 Clair St	Montclair	70%	2.37	72"	42"	13"	3.56	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Moreno Vista Park		4875 Monemo St	Montclair	62%	2.08	78"	42"	16"	3.78	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair Medical Center	Montclair Medical Center		5000 San Bernardino St	Montclair	13%	1.05	96"	42"	36"	2.66	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair Medical Center	Montclair Medical Building		4650 San Bernardino St	Montclair	7%	0.485	99"	42"	39"	1.22	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Beachcomber-Outrigger Apartments	Beachcomber-Outrigger Apartments		4205 Evert St	Montclair	61%	0.129	76"	42"	16"	0.22	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Chino Valley Unified SD	Dickson ES		3930 Pamela Drive	Chino	50%	3.41	76"	42"	18"	7.17	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Chino Valley Unified SD	Newman ES		4150 Walnut Ave	Chino	72%	3.38	72"	42"	12"	5.07	Standardize all stations to one sprinkler type. Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

Summary of Findings from FY 06-07 Phase II Landscape Audit Program

MVWD	Chino Valley Unified SD	Briggs FS	11880 Roswell Ave	Chino	60%	3.17	77"	42"	17"	5.86	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Our Lady of Lourdes	Our Lady of Lourdes Catholic School	10191 Central Ave.	Montclair	50%	0.757	81"	42"	21"	1.67	Install Weather Based System, Participate in all nozzle upgrade programs, Improve DU
MVWD	City of Montclair	Montclair City Hall	5111 Benito St	Montclair	58%	6.77	76"	42"	18"	4.03	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	Montclair towncenter HOA	Montclair towncenter HOA	9842 Steamboat Dr	Montclair	50%	0.86	81"	42"	21"	1.46	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU
MVWD	City of Montclair	Mills Ave Median No. 1	Mills at Holt	Montclair	72%	0.72	72"	42"	12"	1.08	Install Weather Based System, Participate in all nozzle upgrade programs
MVWD	City of Montclair	Mills Ave Median No. 2	Mills at Holt	Montclair	71%	0.52	72"	42"	12"	0.79	Install Weather Based System, Participate in all nozzle upgrade programs
MVWD	City of Montclair	Mills Ave Median No. 3	Mills at Holt	Montclair	70%	0.52	72"	42"	12"	0.79	Install Weather Based System, Participate in all nozzle upgrade programs
San Antonio Water Co	San Antonio Church	San Antonio Church	2520 N Euclid Ave	Upland	14.50%	0.171	60"	18"	21"	0.37	Fix broken lines, Standardize all stations to one sprinkler type, Install Weather Based System, Participate in nozzle upgrade program, Improve DU
San Antonio Water Co	Euclid Office Building (also called North Village Center)	Euclid Office Building	2433 N Euclid Ave	Upland	27%	0.48	78"	42"	31"	1.42	Standardize all stations to one sprinkler type, Install Weather Based System, Participate in all nozzle upgrade programs, Install drip in narrow landscapes, Improve DU
San Antonio Water Co	Upland Hills Country Club	Upland Hills Country Club	1231 E 16th St	Upland	62%	108	76"	42"	16"	191.73	Install Weather Based System, Participate in all nozzle upgrade programs, fix any broken lines or heads, Improve DU

TOTAL

653.402

1200.196

Appendix D

Public Outreach, Program and Educational Materials

- **IE Garden Friendly**
- **Waterwise Landscape Contest**
- **National Theatre for Children**
- **Garden In Every School**
- **Landscape Alliance**
- **IEUA Newspaper Ads, Articles & Releases**
- **Special Events**
- **Water Fair**
- **IEUA Water Softener Rebate Program**
- **IEUA Member Agency Public Outreach & Educational Materials**
 - **Fontana Water Company**
 - **City of Chino Hills**
 - **City of Upland**
 - **Monte Vista Water Company**
 - **City of Ontario**
 - **Cucamonga Valley Water District**

IE Garden Friendly

FY 2010-2011



**Save up to 50% at these
Garden Friendly Plant Sales:
9:00am - 2:00pm**



April 9, 3323 Madison St., Riverside



April 16, 25100 Madison Ave., Murrieta



April 23, 1355 E. Ontario Ave., Corona



May 14, 14549 Ramona Ave., Chino



May 21, 1401 E. 19th St., Upland



May 28, 12255 Pigeon Pass Rd., Moreno Valley



June 4, 695 E. Hospitality Ln., San Bernardino



June 11, 1151 W. Lugonia Ave., Redlands



June 18, 3150 Case Rd., Perris



June 25, 3400 W. Florida Ave., Hemet

FREE WATER WISE WORKSHOPS

Water Wise Landscaping 101

Date: April 2, 9:00 am – 12:00 pm

Location: Western Municipal Water District
14205 Meridian Pkwy., Riverside, 951-571-7296

Climate Appropriate Plants + Special Event

Date: May 14, 9:00 am – 12:00 pm

Location: Chino Basin Water Conservation District
4594 San Bernardino St., Montclair, 909-626-2711

Climate Appropriate Plants

Date: May 21, 9:00 am – 12:00 pm

Location: Eastern Municipal Water District
2270 Trumble Rd., Perris, 951-928-3777 ext. 3322

Water Wise Landscaping 101 + Grand Opening

Date: June 4, 9:00 am – 12:00 pm

Location: San Bernardino Valley Water Conservation
Demonstration Garden, Cal State San Bernardino,
Coyote Dr. Entrance (East of 5500 University Pkwy.
on North Park Blvd.) 909-537-3687

Corporate
Sponsors:



Water Wise Workshops
&
Special Offers at
THE HOME DEPOT®



Save Water
...and Money!



Public/Non-Profit Sponsors: Cal State San Bernardino Water Resource Institute, Chino Basin Water Conservation District, Eastern Municipal Water District, Inland Empire Utilities Agency, Rancho Santa Ana Botanic Garden, San Bernardino Valley Municipal Water District, Western Municipal Water District



Inland Empire Garden Friendly



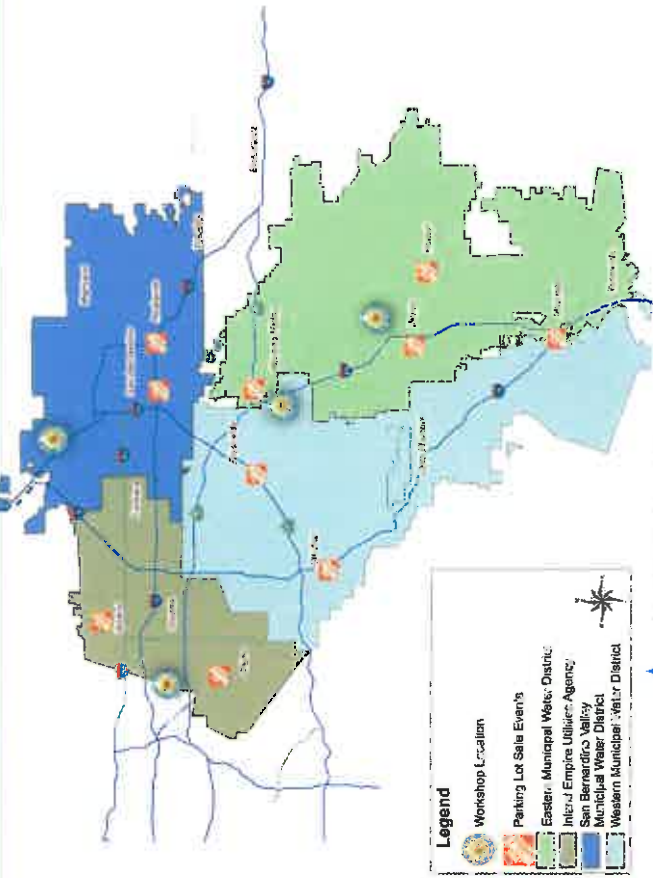
Look for this logo to Save water

Free Workshops

- April 7, 2011**
Western Municipal Water District
44205 Meridian Parkway, Riverside, 951-571-2296
- May 14, 2011 - Special Event**
Chino Basin Water Conservation District
4554 San Bernardino St., Municipal, 909-626-2711
- May 21, 2011**
Eastern Municipal Water District
2270 Tumble Road, Peris, 951-928-3277 ext. 3372
- June 4, 2011 - Grand Opening**
San Bernardino Water Conservation Demonstration Gardens,
Cal State San Bernardino, Coyote Dr. entrance (East of
5500 University Pkwy., on W. Park Blvd.) 909-337-3667

Save up to 50% off at these Garden Friendly Plant Sales

- 9:00am - 2:00pm**
April 9, 2011, 3323 Madison St., Riverside
- April 16, 2011**, 25100 Madison Ave., Murietta
- April 23, 2011**, 1355 E. Dillard Ave., Corona
- May 16, 2011**, 14550 Ramona Ave., Chino
- May 21, 2011**, 1401 E. 19th St., Ojai
- May 26, 2011**, 12255 Pigeon Pass Rd., Moreno Valley
- June 6, 2011**, 695 E. Hospitality Ln., San Bernardino
- June 11, 2011**, 1131 W. Lugonia Ave., Redlands
- June 18, 2011**, 3150 Casa Rd., Peris
- June 25, 2011**, 3400 W. Florida Ave., Home



Public & Non-Profit Sponsors:

Corporate Sponsors:

Top-down approach to curbing consumer behavior for drought tolerant landscaping.

Inland Empire Garden Friendly

In 2010 four municipal water districts; Eastern Municipal Water District, Inland Empire Utilities Agency, San Bernardino Valley Municipal Water District, & Western Municipal Water District along with three non-profit groups; Chino Basin Water Conservation District, Rancho Santa Ana Botanic Garden, & Water Resource Institute teamed up to develop a program that would help change consumer behavior in their home landscape plant choices.

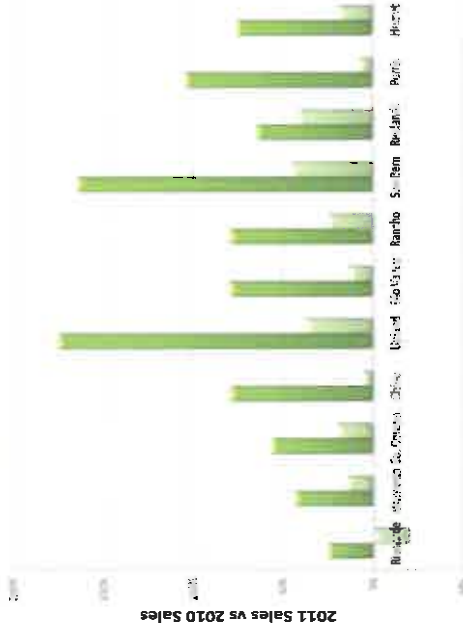


The "Inland Empire Garden Friendly" program was born from this collaboration. Additionally, The Home Depot and their vendors teamed up with the public interest team to launch the program for the spring of 2011. By taking page from the Energy Star program, the IE Garden Friendly program was born and has proven to be extremely successful.

Home Depot Sales

(Store with IEGF Plant Sale vs. Other Stores in the Area)

Source: Home Depot, Inland Empire Garden Friendly



News was spread to millions of residents throughout the four water districts and the program launch was proven to be extremely successful. The Home Depot showed improved landscape sales in every parking lot event sale. Not only was the program successful in educating the public on climate appropriate planting choices, it also helped improve consumer confidence and city-wide economics for each of the sales held.



An MOU is currently being developed so that the program can be expanded to landscape and nurseries vendors across the board. We are currently reaching out to other big box retailers and asking for their participation. Other region specific garden friendly programs are being developed for Los Angeles County and Three Valleys Water District along with the Lyle Center for Regenerative Studies has joined us in the Inland Empire.



Andrew Kanzler
Inland Empire Utilities Agency
6075 Kimball Ave.
Chino CA, 91708
iegardfriendly.com

Inland Empire Garden Friendly



Save Water

Plant Guide



Save water, and welcome birds,
butterflies and admiring neighbors.

**The Following are Winners of Local
Landscape Competitions**



**The Following are Winners of Local
Landscape Competitions**



Dear Reader,

With the increasing uncertainty of our future water supplies, the public has become aware of the need to utilize climate-appropriate plants. Unfortunately, most people don't know where to begin. The Inland Empire Garden Friendly program was created to assist consumers in locating and learning about climate-appropriate plants for the Inland Empire. The program provides educational opportunities and easily identifiable and obtainable sources of climate-appropriate plants.

An important resource of the program is this booklet. The plants listed are specifically chosen for their water conservation attributes and garden applicability in the Inland Empire. A * indicates the item is available at The Home Depot. More information and resources can be found at...

www.iegardenfriendly.com



Getting your drought tolerant plants established:

The key to getting your new drought tolerant plants established is providing them with the proper amount of water that they need when they need it (NOT when you have programmed your automated irrigation system to water). As a general rule, established drought tolerant plants have extensive root systems that enable them to access water when they need it – but getting a plant that has been grown in a container to have the necessary extensive root system in your garden's soil is another matter. The roots have to “catch up” to be able to support the top growth of the plant. The best way to accomplish this goal is to plant in the fall months, so that the cooler weather and the winter rains allow the plants root system to get a head start on getting their roots out into your garden's soil before the plants get stressed by summer heat and drought.

Many drought tolerant plants have thick leathery leaves that don't wilt, so it can be difficult for a gardener to know when the plant needs water. One of the best ways to assess this is to use a soil moisture tester. Be sure to follow the directions of the tester that you've purchased, and be sure to check BOTH the moisture of the actual root ball of the plant, as well as the adjacent soil where you want the plant's

roots to grow into.

One method for establishing your drought tolerant plants is to plant what I refer to as “sacrificial annuals” at the same time as you plant your drought tolerant plants. If chosen wisely, these annuals can be used like the “canary in a coal mine” – and when they wilt, your new drought tolerant plants almost certainly will need water. In this case, the goal is NOT to have spectacular annuals (if you do, you are probably watering your drought tolerant plants too much), but rather to provide your drought tolerant plants with enough water during the first two summers so that they will be established for the duration of their long lives. You will need to plant two sets of annuals per year, one set in October/November (winter annuals) and another set in May/June (summer annuals).

A general rule – your drought tolerant plants may be considered established when they have doubled in size from when you planted them AND after they have survived through two summers.

Always remember to keep exceptional weather conditions in mind. Winter droughts mean that you need to water your drought tolerant plants. Santa Ana wind conditions can be extremely stressful to young plants – water them deeply before the winds hit, sprinkle their foliage occasionally with water if

the winds last for days, check the soil around the plants after the winds have subsided and water accordingly. Extreme heat waves in summer are also stressful to your plants. In general, do not water during the hottest part of the day during such weather. If the plants need water, water them in the evening or in the early morning.

EXPLANATION OF CHART CATEGORIES

SUN EXPOSURE:

F: Indicates that the plant will grow in full sunlight.

P: Indicates that the plant will grow best in partial shade conditions (such as the dappled shade of a tree) OR that it may tolerate full sun in the morning and shade at the hottest part of the day and/or in the afternoon.

S: Indicates that these plants grow best in shade conditions such as the north side of a fence, wall, or building, or when grown in the shade of larger trees and shrubs.

DRY SEASON WATERING:

These watering categories are specific to the plants included in this booklet, and refer to the water needs of ESTABLISHED plants. Also note that, as a general rule, these plants do want water during the wintertime (Nov. through Mar.). During drought years, be sure to deeply water your established plants if winter rainfall is below normal. When providing dry season water for your plants, do your best

to anticipate their water needs: Water the week before a heat wave is expected. Water the day before Santa Ana winds are predicted – and then again afterward if the plants are excessively dried out.

L: Indicates that these plants will generally perform best if they have deep watering **Once every 4 to 6 weeks**. These are truly drought tolerant plants that, once established, will normally survive with no added summer water.

M: Indicates that established plants may need deep water **Once every 2 - 3 weeks** during the dry months of the year.

H: Indicates that established plants may need deep water **Once every week or so** during the dry months of the year.

PLANT TYPE:

T: (Tree) Indicates that the plant may be grown as a single-trunked or multi-trunked tree. Most plants listed in both the tree and shrub categories are, when grown as trees, best grown as multi-trunked specimens.

Sh: (Shrub) Indicates plants that have woody stems and branches.

Ps: (Perennial/Subshrub) Indicates plants that typically do not have thick woody stems and branches, and these plants are generally smaller in size than most shrubs.

V: (Vine) Indicates that the plant grows by twining stems, some of which may, with age, become quite thick and woody.

G: (Groundcover) Indicates that the plant can be used as a groundcover. Note

that not all groundcover plants are flat growing. See plant descriptions for more information.

FOLIAGE:

E: (Evergreen) Indicates that the plant retains all or most of its foliage throughout the year. These plants often will lose some leaves throughout the year or will have a concentrated loss of leaves at one or two times during the year.

D: (Deciduous) Indicates that the plant loses all or most of its foliage during one or more seasons of the year.

OTHER:

California native indicates that the plant is either native to the state of California or that it is native to the Mediterranean climate portion of the west coast (including southwestern Oregon and northwestern Baja California, Mexico). Plants that are derived from these plants are also included.

Bart O'Brien, Director of Special Projects
Rancho Santa Ana Botanic Garden
Claremont, CA www.rsabg.org

NAMES

Scientific name	Common name
<i>Achillea millefolium</i>	Yarrow
<i>Agave</i> spp.*	Agave, Century plant
<i>Agave</i> 'Blue Flame'	Blue Flame agave
<i>Agave parryi</i> var. <i>truncata</i>	Artichoke agave
<i>Anigozanthos</i> spp.*	Kangaroo paw
<i>Arbutus</i> spp.	Arbutus
<i>Arbutus</i> 'Marina'	Marina arbutus
<i>Arbutus unedo</i>	Strawberry tree
<i>Arctostaphylos</i> spp.	Manzanita
<i>Arctostaphylos edmundsii</i>	Little sur manzanita
<i>Arctostaphylos</i> 'Pacific Mist'	Pacific Mist manzanita
<i>Arctotis</i> spp.*	African daisy
<i>Arctotis</i> 'The Ravers Pumpkin Pie'	Pumpkin Pie African daisy
<i>Artemisia</i> spp.	Wormwood, Artemisia
<i>Artemisia californica</i>	California sagebrush
<i>Artemisia californica</i> 'Canyon Gray'	Canyon Gray California sagebrush
<i>Artemisia californica</i> 'Montara'	Montara California sagebrush
<i>Artemisia</i> 'Powis Castle'	Powis Castle sagebrush
<i>Artemisia tridentata</i>	Great Basin sagebrush
<i>Baccharis</i> spp.	Coyote bush
<i>Baccharis</i> 'Pigeon Point'	Pigeon Point coyote bush
<i>Baccharis</i> 'Twin Peaks'	Twin Peaks coyote bush
<i>Baccharis</i> 'Starn'	Starn coyote bush
<i>Buddleja davidii</i> *	Butterfly bush
<i>Buddleja davidii</i> var. <i>nanhoensis</i> *	Dwarf butterfly bush
<i>Calliandra</i> spp.	Fairy duster
<i>Calliandra californica</i>	Baja fairy duster
<i>Calliandra eriophylla</i>	Pink fairy duster
<i>Calylophus</i> spp.*	Sundrops
<i>Ceanothus</i> spp.	California wild lilac
<i>Ceanothus</i> 'Concha'	Concha California wild lilac
<i>Ceanothus griseus</i> var. <i>horizontalis</i> 'Yankee Point'	Yankee Point California wild lilac
<i>Ceanothus</i> 'Ray Hartman'	Ray Hartman California wild lilac
<i>Chilopsis linearis</i>	Desert willow
<i>Chilopsis linearis</i> 'Burgundy Lace'	Burgundy Lace desert willow
<i>Chilopsis linearis</i> 'Regal'	Regal desert willow
<i>Chilopsis linearis</i> 'Warren Jones'	Warren Jones desert willow
<i>XChitalpa tashkentensis</i>	Chitalpa
<i>XChitalpa tashkentensis</i> 'Morning Cloud'	Morning Cloud chitalpa
<i>XChitalpa tashkentensis</i> 'Pink Dawn'	Pink Dawn chitalpa
<i>Cistus</i> spp.*	Rockrose
<i>Cistus</i> x <i>hybridus</i>	White rockrose
<i>Cistus salvifolius</i>	Sageleaf rockrose
<i>Cistus</i> x <i>skanbergii</i>	Pink rockrose
<i>Cistus</i> 'Sunset'	Sunset rockrose
<i>Eriogonum fasciculatum</i>	California buckwheat
<i>Eriogonum fasciculatum</i> 'Dana Point'	Dana Point California buckwheat
<i>Eriogonum fasciculatum</i> 'Theodore Payne'	Theodore Payne California buckwheat
<i>Eriogonum fasciculatum</i> 'Warriner Lytle'	Warriner Lytle California buckwheat
<i>Euryops pectinatus</i> *	Golden African daisy
<i>Euryops pectinatus</i> 'Viridis'	Viridis golden African daisy
<i>Gaura lindheimeri</i>	Butterfly flower
<i>Gelsemium sempervirens</i> *	Carolina jessamine
<i>Geranium incanum</i>	Carpet geranium
<i>Grevillea</i> spp.*	Grevillea
<i>Grevillea</i> x <i>gaudichaudii</i> *	Grevillea
<i>Grevillea lanigera</i> *	Woolly grevillea

* indicates availability at The Home Depot.

	Sun Shade	Dry Season Watering	Type	Foliage	California Native
	F, P	M, H	Ps, G	E	Some
	F, P	L, M	Sh, Ps, G	E	Some
	F, P	L, M	Sh	E	Yes
	F, P	L	Ps	E	
	F	M	Ps	E	
	F	L, M	T	E	Some
	F	L, M	T	E	
	F	L, M	T, Sh	E	
	F, P	L, M	T, Sh, G	E	Some
	F, P	L, M	Sh, G	E	Yes
	F, P	L, M	Sh, G	E	Yes
	F	L, M	Ps, G	E	
	F	L, M	Ps, G	E	
	F	L, M	Sh, Ps, G	E	Some
	F	L	Ps	E	Yes
	F	L	Ps, G	E	Yes
	F	L	Ps, G	E	Yes
	F, P	M	Ps	E	
	F	L	Sh	E	Yes
	F, P	L, M	Sh, G	E	Some
	F, P	L, M	Sh, G	E	Yes
	F, P	L, M	Sh, G	E	Yes
	F	L, M	Sh, G	E	Yes
	F	M	Sh	E	
	F	M	Sh	E	
	F	L, M	Sh	E	Some
	F	L, M	Sh	E	
	F	L, M	Sh	E	Yes
	F, P	M, H	Ps, G	E	
	F, P	L, M, H	T, Sh, G	E	Some
	F	M	Sh	E	Yes
	F, P	M, H	Sh, G	E	Yes
	F	M	Sh	E	Yes
	F	L, M	T, Sh	E, D	Yes
	F	L, M	T, Sh	D	Yes
	F	L, M	T, Sh	D	Yes
	F	L, M	T, Sh	E	Yes
	F	L, M	T	D	Yes
	F	L, M	T	D	Yes
	F	L, M	T	D	Yes
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	Yes
	F	L, M	Sh, G	E	Yes
meat	F	L, M	Sh, G	E	Yes
at	F	L, M	Sh, G	E	Yes
	F	L, M	Sh	E	
	F	L, M	Sh	E	
	F	M, H	Ps	E	
	F, P	M, H	V	E	
	F, P	M	Ps	E	
	F, P	M	T, Sh, G	E	
	P	M	Sh, G	E	
	F, P	M	Sh	E	

NAMES

Scientific name	Common name
<i>Heteromeles arbutifolia</i>	Toyon
<i>Heteromeles arbutifolia</i> 'Claremont'	Claremont toyon
<i>Heteromeles arbutifolia</i> 'Davis Gold'	Davis Gold toyon
<i>Heuchera</i> spp.	Coral bells, Alum root
<i>Heuchera maxima</i>	Island alum root
<i>Heuchera</i> 'Old La Rochette'	Old La Rochette coral bells
<i>Heuchera sanguinea</i>	Coral bells
<i>Heuchera</i> 'Santa Ana Cardinal'	Santa Ana Cardinal coral bells
<i>Heuchera</i> 'Wendy'	Wendy coral bells
<i>Iris</i> spp.	Iris
<i>Iris douglasiana</i>	Douglas iris
<i>Iris germanica</i>	Bearded iris
<i>Iris spuria</i>	Butterfly iris
<i>Juniperus</i> spp.	Juniper
<i>Juniperus chinensis</i> 'San Jose'	San Jose juniper
<i>Juniperus procumbens</i> 'Nana'	Japanese garden juniper
<i>Lagerstroemia</i> spp.	Crape myrtle
<i>Lagerstroemia</i> 'Biloxi'	Biloxi crape myrtle
<i>Lagerstroemia</i> 'Muskogee'	Muskogee crape myrtle
<i>Lagerstroemia</i> 'Natchez'	Natchez crape myrtle
<i>Lagerstroemia</i> 'Tuscarora'	Tuscarora crape myrtle
<i>Lantana</i> spp.*	Lantana
<i>Lavandula</i> spp.*	Lavender
<i>Lavandula angustifolia</i>	English lavender
<i>Lavandula stoechas</i> *	Spanish lavender
<i>Lavandula stoechas</i> 'Otto Quast'	Otto Quast Spanish lavender
<i>Leucophyllum frutescens</i>	Texas ranger
<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince wild ryegrass
<i>Limonium perezii</i>	Sea lavender
<i>Muhlenbergia</i> spp.	Muhlenbergia
<i>Muhlenbergia dumosa</i>	Bamboo muhly
<i>Muhlenbergia rigens</i>	Deer grass
<i>Myoporum parvifolium</i> *	Creeping myoporum
<i>Myrtus communis</i>	Myrtle
<i>Myrtus communis</i> 'Boetica'	Boetica myrtle
<i>Myrtus communis</i> 'Compacta'	Compacta myrtle
<i>Myrtus communis</i> 'Variegata'	Variegata myrtle
<i>Nandina domestica</i> *	Heavenly bamboo
<i>Nandina domestica</i> 'Gulf Stream'	Gulf Stream heavenly bamboo
<i>Osmanthus fragrans</i>	Sweet olive
<i>Osteospermum</i> spp.*	Freeway daisy
<i>Parkinsonia</i> spp.	Palo verde
<i>Parkinsonia</i> 'Desert Museum'	Desert Museum palo verde
<i>Pelargonium</i> spp.	Geranium
<i>Pelargonium</i> x <i>domesticum</i>	Martha Washington geranium
<i>Pelargonium tomentosum</i>	Peppermint geranium
<i>Penstemon</i> spp.	Penstemon
<i>Penstemon centranthifolius</i>	Scarlet bugler
<i>Penstemon heterophylla</i> 'Margarita BOP'	Margarita BOP foothill penstemon
<i>Penstemon spectabilis</i> *	Foothill penstemon
<i>Perovskia</i> spp.	Russian sage
<i>Ptilotus exaltatus</i> var. <i>villosus</i> 'Platinum Wallaby'	Platinum Wallaby ptilotus
<i>Quercus</i> spp.	Oak
<i>Quercus agrifolia</i>	Coast live oak
<i>Quercus engelmannii</i>	Engelmann oak
<i>Quercus lobata</i>	Valley oak

* indicates availability at The Home Depot

	Sun Shade	Dry Season Watering	Type	Foliage	California Native
	F, P	L, M	T, Sh	E	Yes
	F, P	L, M	T, Sh	E	Yes
	F, P	L, M	T, Sh	E	Yes
	P, S	M, H	Ps, G	E	Some
	P, S	M	Ps, G	E	Yes
	P	M	Ps, G	E	Yes
	P	M	Ps	E	
	P	M	Ps, G	E	Yes
	P	M	Ps, G	E	Yes
	F, P, S	L, M	Ps	E	Some
	P	L, M	Ps, G	E	Yes
	F	L, M	Ps	E	
	F	L, M	Ps	E	
	F, P	L, M	T, Sh, G	E	Some
	F, P	L, M	S, G	E	
	F, P	M	S, G	E	
	F	L, M	T, Sh	D	
	F	L, M	T	D	
	F	L, M	T	D	
	F	L, M	T	D	
	F	L, M	T	D	
	F	M	Sh, G	E	
	F	L, M	Ps	E	
	F	L, M	Ps	E	
	F	L, M	Ps	E	
	F	L, M	Ps	E	
	F	M	Sh	E	
	F, P	M, H	Ps, G	E	Yes
	F	M	Ps	E	
	F	L, M, H	Ps, G	E	Some
	F	M	Ps	E	
	F	L, M	Ps, G	E	Yes
	F	M	Sh, G	E	
	F	L, M	Sh	E	
	F	L, M	Sh	E	
	F	L, M	Sh	E	
	F	L, M	Sh	E	
	F, P	M, H	Sh, G	E	
	F, P	M, H	Sh, G	E	
	P, S	M, H	T, Sh	E	
	F	M, H	Ps, G	E	
	F	L, M	T	D	Some
	F	L, M	T	D	Yes
	F, P	M, H	Ps, G	E, D	
	F, P	M, H	Ps	E	
	P	M, H	Ps, G	E	
	F, P	M, H	Ps, G	E	Some
	F	M, H	Ps	E	Yes
	F	M, H	Ps, G	E	Yes
	F	M, H	Ps	E	Yes
	F	M, H	Ps	E, D	
	F	M	Ps	E	
	F	L, M, H	T	E, D	Some
	F	L, M	T	E	Yes
	F	L, M	T	E	Yes
	F	M	T	D	Yes

NAMES

Scientific name	Common name
Rhamnus spp.	Rhamnus
Rhamnus alaternus	Italian buckthorn
Rhamnus californica	Coffee berry
Rhamnus californica 'Ed Holm'	Ed Holm coffee berry
Rhamnus californica 'Eve Case'	Eve Case coffee berry
Rhamnus californica 'Leatherleaf'	Leatherleaf coffee berry
Rhamnus californica 'Seaview Improved'	Seaview Improved coffee berry
Rhampholepis spp.	India hawthorn
Rhampholepis 'Rosea'	Rosea India hawthorn
Rhus spp.	Rhus
Rhus integrifolia	Lemonade berry
Rhus ovata	Sugar bush
Rosmarinus officinalis*	Rosemary
Rosmarinus officinalis 'Huntington Carpet'	Huntington Carpet rosemary
Rosmarinus officinalis 'Irene'	Irene rosemary
Rosmarinus officinalis 'Ken Taylor'	Ken Taylor rosemary
Rosmarinus officinalis 'Prostratus'	Prostratus rosemary
Salvia spp.*	Sage
Salvia leucantha*	Mexican sage
Salvia spathacea*	Hummingbird sage
Teucrium spp.	Germander
Teucrium marjoricum	Fruity germander
Teucrium fruticans	Bush germander
Teucrium fruticans 'Azureum'	Azureum bush germander
Teucrium fruticans 'Compacta'	Compacta bush germander
Thymus spp.	Thyme
Tulbaghia violacea*	Society garlic
Verbena spp.	Verbena
Verbena bonariensis	Purpletop
Verbena lilacina	Lilac verbena
Verbena lilacina 'De La Mina'	De La Mina lilac verbena
Verbena lilacina 'Paseo Rancho'	Paseo Rancho lilac verbena
Vitis spp.	Grape
Vitis 'Roger's Red'	Roger's Red grape
Westringia fruticosa	Westringia
Westringia fruticosa 'Morning Light'	Morning Light westringia
Westringia fruticosa 'Wynyabbie Gem'	Wynyabbie Gem westringia
Wisteria spp.*	Wisteria
Wisteria sinensis*	Chinese wisteria
Zauschneria spp.	California fuchsia
Zauschneria 'Catalina'	Catalina California fuchsia
Zauschneria 'Route 66'	Route 66 California fuchsia
Zauschneria 'Select Mattole'	Select Mattole California fuchsia

* indicates availability at The Home Depot

	Sun Shade	Dry Season Watering	Type	Foliage	California Native
	F	M	Sh	E	Some
	F	M	Sh	E	
	P, S	M	Sh	E	Yes
	P, S	M	Sh, G	E	Yes
	P, S	M	Sh	E	Yes
	P, S	M	Sh	E	Yes
	P, S	M	Sh, G	E	Yes
	F	M	Sh	E	
	F, P	M	Sh	E	
	F, P	L, M	Sh	E	Some
	F	L, M	Sh	E	Yes
	F	L, M	Sh	E	Yes
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F	L, M	Sh, G	E	
	F, P, S	L, M, H	Sh, Ps, G	E, D	Some
	F, P	M	Ps	E	
	F, P, S	M	Ps, G	E	Yes
	F	M	Sh, Ps, G	E	
	F	M	Ps, G	E	
	F	M	Sh	E	
	F	M	Sh	E	
	F	M	Sh	E	
	F, P	M, H	Ps, G	E	
	F, P	M	Ps, G	E	
	F, P	L, M	Ps, G	E	Some
	F	L, M	Ps	E	
	F, P	L, M	Ps, G	E	Yes
	F, P	L, M	Ps, G	E	Yes
	F, P	L, M	Ps, G	E	Yes
	F	M	V	D	Some
	F	M	V	D	Yes
	F	M, H	Sh	E	
	F	M, H	Sh	E	
	F	M, H	Sh	E	
	F	M	V	D	
	F	M	V	D	
	F	M	Ps, G	E	Some
	F	M	Ps	E	Yes
	F	M	Ps	E	Yes
	F, P	M	Ps, G	E	Yes



Island Pink Yarrow

***Achillea millefolium* - Yarrow**
Evergreen, aromatic, finely-divided, bright green to grey-green foliage. Flat topped clusters of closely packed flower heads may be white, cream, yellow, orange, pink, magenta, or red. These plants can be used effectively in any sort of flower garden, and may also be used as groundcovers and even as a walked-on turf substitute. Simply mow the plants at the end of the flowering season or cut back the spent flower heads when their appearance becomes objectionable to you.



Foxtail Agave

***Agave* spp.* - Agave, Century plant**
Architectural plants that form rosettes of succulent leaves that often have spines. 'Blue Flame' is a hybrid between *A. attenuata* and *A. shawii*. Each thick succulent leaf has minute teeth along the margins and a long terminal spine that usually curves inward toward the heart of the plant. A mature rosette of 'Blue Flame'* may reach 5 to 6 ft. across and will grow 3 to 4 ft. tall. Plants produce many pups and eventually form large colonies. A rosette will flower at 7 to 10 years of age, and subsequently dies, the profusion of pups will continue to mature. Plants should be protected from frost. Artichoke agave (*A. parryi* var. *truncata*) has grey-green leaves, wicked black terminal spines, and sharp marginal teeth. Rosettes will reach 3 ft. across and are 1 to 2 ft. tall. Plants typically produce pups from the base and can make large colonies.



Harmony
Kangaroo Paw

Photo: Plants Express

***Anigozanthos* spp.* -**

Kangaroo Paw

Plants form evergreen clumps of green to grey-green, iris-like foliage. Spectacular long lasting flower clusters appear in spring and summer. Flowers can be yellow, orange, red, or green and are covered with short rough hairs. The flowering stems of the largest hybrids may reach 6 to 8 ft. tall, while dwarf varieties grow only 1 to 3 ft. high.



Strawberry Tree

***Arbutus* spp. - Arbutus**

Evergreen trees with moderate growth rates. 'Marina' may reach heights from 40 to 70 ft. tall (the shorter figure is much more typical) and has showy clusters of pink flowers in winter and spring that are followed by colorful orange to red 1-in. fruits that are edible, though bland. The bark peels each year and is deep red in color. Strawberry tree (*A. unedo*) has smaller clusters of white flowers and smaller fruits. Its rough bark varies from gray to rich cinnamon in color. Mature specimens may reach about 25 ft. high and are equally wide-spreading.



Howard McMinn
Manzanita

***Arctostaphylos* spp. -
Manzanita**

The best manzanita ground cover for our inland gardens is little sur manzanita (*A. edmundsii*). Plants have shiny green leaves and produce clusters of small white urn-shaped flowers in winter, that are followed by tiny apple-like fruits in spring and early summer. Plants are very low growing for many years, but will eventually mound up. Plants will reach from 1 to 3 ft. in height and will spread up to 6 to 8 ft. wide. 'Pacific Mist' with grey leaves and fewer clusters of white flowers needs more space. This selection will reach up to 3 ft. tall and will spread to 10 ft. wide. Young plants may appear sparse for a year or 2, but then quickly fill in.



Orange African Daisy
Photo: Plants Express

***Arctotis* spp.* - African Daisy**

There are many types of African daisies, but nearly all of them have brightly colored daisy flowers. Plants usually have a low-growing, carpeting growth habit though some are clumping. Plants may be killed by hard frost in our region, but these fast growing, free-flowering plants are always welcome in the garden. The Ravers Pumpkin Pie has vibrant red-orange flowers and will reach about 1 ft. tall.



Powis Castle
Wormwood

***Artemisia* spp. - Wormwood**

Grown for their finely cut white to grey-green foliage and small flowers, these plants provide a soothing backdrop for colorful flowers or green foliage. 'Powis Castle' is a dense mound of attractive grey to white foliage 3 - 4 ft. tall and 6 - 8 ft. wide. Great Basin sagebrush (*A. tridentata*) is a woody shrub that has ever-green silvery foliage and upright growth habit to 3 - 6 ft. tall and wide. Plants are fast growing and bring age to a garden. California sagebrush (*A. californica*) has finely cut aromatic leaves, and is one of the most common native plants in California. This semi-woody plant may reach 6 ft. tall and wide. 'Montara' is a low mounding form to 2 ft. tall and 4 ft. across. 'Canyon Gray' is a groundcover from 3 - 6 in. tall and spreading to 8 ft.



Coyote Bush

***Baccharis* spp. - Coyote bush**

This low growing to mounding shrub has fine textured green to grey-green leaves and is nearly indestructible. This is an easily grown California native. When plants grow too tall, or look too tired, cut back severely in January. Fresh new growth will follow, especially if a very light application of a nitrogen fertilizer is added after pruning. Seedless male varieties include: 'Twin Peaks' with very small leaves, and 'Pigeon Point' with large, green, leaves and a lax growth habit. 'Starn', a male hybrid, has predominantly green branches with small green leaves and tolerates extreme heat and drought better than the others.



Pink Delight
Butterfly Bush

Photo: Plants Express

***Buddleja davidii** -**

Butterfly bush

Evergreen large shrubs typically reaching from 10 to 15 ft. tall and equally wide. Coarse textured leaves are about 6 in. long that are dark green above and whitish below. 6 to 12 in. conical flower clusters appear throughout the summer. Plants should be cut back hard every winter. Fragrant flower may be purple, lavender, pink, or whitish and most have an orange center. Purple-flowered forms seem to attract the most butterflies. Dwarf plants are referred to as *B. d. var. nanhoensis*, and reach from 3 to 5 ft. tall and have proportionately smaller leaves and flower clusters.



Pink Fairy Duster

***Calliandra* spp. - Fairy duster**

There are 2 primary types in Southern California gardens:

Baja fairy duster (*C. californica*)

has vibrant red flowers. This plant grows much larger – up to 6 ft. tall and may spread even wider. These shrubs often have a rather open growth habit, and are at their best when grown in front of plants.

Pink fairy duster (*C. eriophylla*) is native to California and has pinkish flowers, and a mature plant typically grows from 2 to 3 ft. tall and spreads to 3 to 5 ft. wide. Some plants will send up additional shoots from underground roots, but these are rarely a problem for most gardens or gardeners.



Sundrops

***Calylophus** spp. - Sundrops**

This perennial's bowl-shaped, 1-in. bright yellow flowers, thin leaves, and wiry stems combine to suggest fragility - yet this durable plant requires very little care or attention. Sundrops will grow to about 1 ft. tall and up to 2 ft. wide. Plants have a long bloom season, from spring - fall, but they may take a break during extreme summer heat especially if grown dry.



Concha California
Wild Lilac

***Ceanothus* spp. -**

California wild lilac, *Ceanothus*

Evergreen small trees, shrubs, and groundcovers with spectacular blue flowers in spring: *C.* 'Ray Hartman' can be grown as a small multi-trunked tree, as an informal hedge, or screen up to about 15 ft. tall and wide. Oval-shaped shiny green leaves are attractive and may be 2 in. long. Sky blue flower clusters vary in size with the plants age and can be 2-4 in. long. *C.* 'Concha' has a rigid, arching growth habit and may be 8 ft. tall with a wider spread. Indigo blue flowers nearly cover the dark green leaves. Plant this shrub as a spring focal point. *C. griseus* var. *horizontalis* 'Yankee Point' is widely grown in California. Lustrous oval leaves make this ground-cover beautiful all year. Plumes of blue flowers adorn the foliage for a month during the spring. These plants can grow large - up to 20 ft. across. Crowded plantings pile up quickly and reach 6 ft. in height. Well spaced plantings pruned each spring to remove upright growth can be kept at 2 - 3 ft. high.



Rockrose

Photo: Plants Express

***Cistus** spp. - Rockrose**

Perfectly adapted to Southern California's climate, these Mediterranean shrubs are great choices for a dry garden. Mature plants are typically covered with showy white, pink, or rose-colored flowers during the spring. The resinous fragrant foliage may be green, grey, or olive in color. Many plants have low mounding growth habits, making them good groundcovers. Some include white rockrose (*C. x hybridus*), sageleaf rockrose (*C. salvifolius*), pink rockrose (*C. x skanbergii*), and Sunset rockrose (*C. 'Sunset'*). These plants are good for slopes, and combine well with California buckwheat (*Eriogonum fasciculatum*) and rosemary (*Rosmarinus officinalis*).



Burgundy Lace
Desert Willow

***Chilopsis linearis* and *XChitalpa tashkentensis* -**

Desert willow and Chitalpa

Fast growing deciduous trees or large shrubs. Desert willow (*Chilopsis linearis*) is 1 of the parents of the chitalpa, and is well worth growing. Look for the following desert willows: 'Warren Jones' (often evergreen and has large pink flowers), 'Burgundy Lace' with deep purple flowers, 'Regal' has bicolored flowers that are dark purple and pale lavender. There are 2 named selections of chitalpa: 'Morning Cloud' grows up to 25 ft. tall with white flowers and purple lines in the throat, 'Pink Dawn' reaches 15 ft. tall with pale pink flowers. All desert willows and chitalpas appreciate some deep summer irrigation that will result in more flowers.



Theodore Payne
California Buckwheat

***Eriogonum fasciculatum* -
California buckwheat**

Evergreen shrubs with clusters of narrow deep green leaves and whitish to pinkish flat topped or pompon-like flower heads. This species may reach up to 5 ft. or so in height, but the groundcover forms listed here typically top out from 1 to 3 ft. high. 'Dana Point' is extremely vigorous and quickly spreads up to at least 10 ft. wide. 'Theodore Payne' is considerably smaller, usually not more than 5 to 6 ft. wide, and has white pompon flower heads and brighter green leaves. 'Warriner Lytle' has olive green foliage and light, airy flower clusters and pink flower buds. This selection may reach 3 to 5 ft. wide.



Viridis Golden
African Daisy

Photo: Plants Express

***Euryops pectinatus** -
Golden African Daisy**

Grey green (rarely bright green as in the case of the cultivar 'Viridis') deeply divided foliage provide a lovely setting for the spring to early summer blooms that are bright golden-yellow daisies. Plants will reach 3 to 4 ft. in height and are equally wide spreading. These plants are especially easy to grow.



Butterfly Flower

***Gaura lindheimeri* -
Butterfly flower**

Evergreen perennial to 4 ft. tall with an equal spread. Plants are long-lived, have a deep taproot, and have rather sparse foliage that is often spotted red. White flowers turn pink as they age and are produced in a seemingly un-ending supply from spring through fall, on decorative long wands. In some gardens, this plant can become invasive, so it is always a good idea to cut back flower stalks before seeds ripen. There are pink flowered forms as well as selections with variegated foliage.



Carolina Jessamine

Photo: Plants Express

***Gelsemium sempervirens** -
Carolina Jessamine**

Evergreen vine with many clusters of golden yellow, sweetly scented flowers in spring. Glossy green leaves are attractive throughout the year. This vine climbs by relatively thin, twining stems that may reach heights up to 20 ft.. All parts of this plant are poisonous.



Carpet geranium

***Geranium incanum* -
Carpet geranium**

Evergreen, spreading perennial less than 1 ft. tall and around 2 ft. wide. This plant's vigorous carpet of finely divided evergreen foliage is an unusual foil for the showy rosy-purple flowers that are freely produced from spring through fall. Carpet geranium can border on being invasive in some gardens. This plant may be cut back hard in winter to keep in under control and tidy.



Woolly Grevillea

Photo: Plants Express

***Grevillea* spp.* - Grevillea**

Evergreen trees and shrubs and groundcovers that bloom in winter and spring. Plants typically prefer well-drained soils. All have unusual flowers that are attractive to hummingbirds.

Grevillea (G. x gaudichaudii)

is a groundcover up to 12 in. tall and spreading 6 to 9 ft. wide.

Dark green divided leaves have sharp point, and new growth is reddish. Attractive flowers are 3 to 6 in. long and are deep red. Prune the plant lightly after it blooms. Best grown in partial shade.

Woolly Grevillea (*G. lanigera)**

is variable as there are groundcover forms ('Prostrata' and shrubby forms that may reach 10 ft. tall. Dense, woolly leaves cover the plant. Reddish pink to cream colored flowers appear most heavily from late winter to spring, but some flowers are produced throughout the year.



Claremont Toyon

***Heteromeles arbutifolia* - Toyon**

Toyon is often compared to the Mediterranean's olive, both plants can be used as formal and informal screens and hedges, multi-trunked small trees, and standard small trees. Toyon has large clusters of small white flowers in May and June, these are followed by long-lasting red berries in fall - winter. The berries are used as holiday decorations. As the berries age and ferment, they become a favorite food for many species of birds. Yellow ('Davis Gold' and 'Claremont') and orange berried forms are also available.



Coral Bells

Heuchera spp. -

Coral bells, Alum root

Evergreen with white, pink, or red flowers. Plants do best under deciduous trees where plants get sun in winter and shade in summer. Mass plants for visual impact. **Island alum root (*H. maxima*)** is the largest at 12 - 18 in. tall and 2 - 3 ft. wide. White flowers on 3 ft. stems in spring last a month. Grey-green leaves are covered with soft hairs.

Coral bells (*H. sanguinea*) are great edging plants. 3 - 4 in. tall. 1 ft. flower stalks have many red flowers. These two provide many hybrids: 'Santa Ana Cardinal' has shiny green leaves and red flowers on 2 ft. stalks, 'Wendy' has grey-green leaves and 2 ft. flower stalks with pink flowers, 'Old La Rochette' has green leaves and 3 ft. flower stalks with pale pink flowers.



Douglas Iris

Iris spp. - Iris

Evergreen spring-blooming perennials with thick underground rhizomes, narrow leaves grow in fans. **Bearded iris (*I. germanica*)** come in many colors and sizes, and are easy to grow. Grayish 1 in. wide leaves age to pale brown and are easily pulled. **Douglas iris (*I. douglasiana*)** 1 ft. tall with lavender blue flowers, plants do best in partial shade. Dark green leaves are 1/2 in. wide, and age to a russet brown. Cut off spent foliage instead of pulling as they don't come off easily until aged a year or more. **Butterfly iris (*I. spuria*)** grow 3 to 5 ft. tall and are upright plants. Flowers are yellow, white, or lavender blue. Cut back after blooms.



Juniper

Juniperus spp. - Juniper
Evergreen groundcovers, shrubs, and trees. There is a juniper for just about every landscape situation, these beautiful and easy to care for plants are often overused or planted in spaces that are too small for their mature size. Junipers have scale-like or needle-like aromatic leaves. **Japanese garden juniper (*J. procumbens* 'Nana')** has stiff low spreading branches, blue-grey dense needle-like leaves and grows to 12 in. tall and spreads 4 to 6 ft. wide. **San Jose juniper (*J. chinensis* 'San Jose')** has dark green needle-like foliage and grows to 2 ft. tall and spreads up to 6 ft. wide. Plants are slow growing and durable.



Natchez Crape Myrtle

Lagerstroemia spp. - Crape myrtle
Deciduous small trees with colorful flowers throughout the summer and into fall. These trees can also have attractive fall color, and elegant smooth brown bark that peels in patches. There are many flower colors white, red, pink, lavender, and bicolors. The foliage is often afflicted by mildew, though the Indian tribes hybrids were developed specifically for mildew resistance. Some of the best of these hybrid trees are: 'Biloxi' has pink flowers, 'Muskogee' has lavender flowers, 'Natchez' has white flowers, and 'Tuscarora' has reddish flowers. Dwarf (shrubby) varieties that grow from 2 to 8 ft. tall are also sold.



Lavender Lantana

Photo: Plants Express

Lantana spp.* - Lantana

Color, color, color for months on end! With caveats: berries are poisonous and some are allergic to the foliage. Plants may freeze back in colder areas; when this happens wait until the danger of further frost damage has passed and cut the plants back to live stems. Older plants may be rejuvenated by hard pruning, or mowing with a brush mower in late winter or early spring – after the chance of frost. There are innumerable named selections in many colors, and combinations of colors, including: white, lavender, yellow, orange, pink, and red. Growth habits vary from low groundcovers to single-trunked patio trees, so be sure to carefully select a plant that will grow in the space that you have available for it.



Otto Quast Lavendar

Photo: Plants Express

Lavandula spp.* - Lavander

There are myriad lavenders to choose from for Southern California. They typically have attractive grey foliage and spikes of blue, white, pink, or lavender flowers. Most like to be cut back hard after they have bloomed in June or July (though you should not cut them back hard for at least 1 full year after planting), and if done annually lavenders are long-lived plants. **Spanish lavender (*L. stoechas**)** has showy bracts atop each flower cluster, and does not require hard pruning every year. 'Otto Quast' is a popular selection. English lavender (*L. angustifolia*) is the familiar lavender of commerce. There are many named selections of this species.



Texas Ranger

***Leucophyllum frutescens* -
Texas ranger**

Evergreen, grey foliaged, dense shrubs having 1 in. wide, showy, purple, pink, to white flowers in profusion in summer and fall. Rounded leaves densely clothe the stems and are about 1 in. across. Plants reach 5 - 10 ft. tall and almost as wide. Scattered deep summer irrigations promote heavy blooms. Established plants survive summers without irrigation, but won't flower much.



Canyon Prince
Wild Rye Grass

***Leymus condensatus*
'Canyon Prince' -
Canyon Prince wild ryegrass**

This broad-leaved grass is an easy and beautiful plant for the garden. Leaf blades may be nearly 1 in. across and are a steel-blue. Plants form dense clumps in heavy soils, and looser running colonies in sandy soil. Established plants are easily divided in fall. Clumps make great backdrops for smaller perennials.



Sea Lavendar

***Limonium perezii* - Sea lavender**

Evergreen perennial 2 - 3 ft. tall, forming broad rosettes of 1-ft. long, leathery, deep green leaves. Plants produce showy, large, dome-like masses of long lasting papery purple bracts that house ephemeral white flowers. These make excellent dried flowers when cut and hung to dry upside down. Plants can be killed by frost, but they are easy and fast growing, so losing a plant is not a problem. Self-sown seedlings may appear in the garden and are almost always welcome.



Deer Grass

***Muhlenbergia* spp. -**

Muhlenbergia

These long-lived easy to grow grasses are widely adapted to gardens. Of the many species, 2 stand out as especially useful for our region. **Bamboo muhly (*M. dumosa*)** is native to the southwest (not to California) and has a graceful arching growth habit with cane-like stems that may reach from 4 to 6 ft. in height, similar in look to a bamboo (but it isn't). Thin out the oldest stems when they begin to look ragged. Do not cut back hard as it often does not respond well to this treatment. **Deer grass (*M. rigens*)** is native to California and is a great choice for large scale plantings or for pattern plantings. Mature clumps resemble giant pincushions with their narrow flower spikes reaching heights of 4 - 6 ft. tall. Established plants tolerate a wide range of irrigation regimes, making this species one of the best choices for that difficult transition area in many gardens: between a regularly irrigated lawn and a much drier landscape planting. When necessary, cut the plant back hard in Feb. to Mar., before new growth occurs.



Putah Creek
Creeping Myoporum
Photo: Plants Express

***Myoporum parvifolium** -**

Creeping myoporum

Evergreen carpeting shrub to 6 in. tall and 10 - 20 ft. wide. Narrow, lush-green, succulent leaves densely clothe the stems. Small flowers, pink or white, are not particularly showy. This plant is a great choice for large areas, but it does not tolerate foot traffic.



Compact Myrtle

***Myrtus communis* - Myrtle**

The appearance of these plants is deceptive – their dark green shiny foliage makes them look like they would want more water, but rest assured that these durable Mediterranean shrubs are quite drought-tolerant. Small white flowers dot the plants in spring and are followed by small blue-black fruits that are eaten by birds. These plants may be pruned into formal hedges or screens, or they may be allowed to grow informally. There are a number of cultivars: 'Boetica' is a taller (up to 8 ft.), more angular form with much larger leaves. 'Compacta' is the form most typically seen and has dense small leaves and a crowded growth habit. 'Variegata' has creamy variegated leaves.



Gulf Stream Nandina

Photo: Plants Express

***Nandina domestica** -**

Heavenly bamboo

Though its common name might indicate that this plant is a bamboo, it isn't. It is an ever-green clumping member of the barberry family with a vertical growth habit. When pruning this plant, cut the stems that are too tall to the ground, new basal shoots will emerge to take their place. The leaves are leathery and are finely divided. Heavenly bamboo's roots compete very well with aggressive tree roots. 'Gulf Stream'* may reach 3 ft. tall and has fresh grey-green foliage that turns red during the fall and winter months.



Sweet Olive

***Osmanthus fragrans* -
Sweet olive**

Tall evergreen shrub 8 to 15 ft. tall (though it can eventually grow into a 30 ft. tall tree) primarily grown for its durability and the pervasive sweet fragrance of its tiny flowers. Dark green leaves are less than 2 in. wide and up to 4 in. long. New growth is coppery. Tiny white or orange flowers are produced in small clusters sporadically throughout the year. Plants are often slow growing, and do not like dry winds. Great hedge or screen plant.



Purple Freeway Daisy

Photo: Plants Express

***Osteospermum* spp.* -
Freeway daisy**

Evergreen perennials producing masses of daisy flowers. Thick green leaves are topped by colorful daisy flowers that may be white, purple, pink, orange, or yellow. Plants typically bloom most heavily in spring, with smaller quantities of flowers produced in summer and fall. Plants of the Symphony Series are particularly floriferous and grow to about 1 ft. tall and spread to 3 ft. wide, and the flowers are at least 2 in. across.



Palo Verde

Photo: Plants Express

***Parkinsonia* spp. - Palo verde**

Though these are deciduous trees, many people rarely notice as these plants have attractive green trunks and branches throughout the year. Waves of bright yellow flowers appear from mid-spring - summer. To encourage more flowers, give your established trees deep watering once or twice a month in summer. The light dappled shade provided by palo verde trees is easy to garden under. 'Desert Museum' is a hybrid that blooms profusely through late spring, summer and well into fall, with flowering triggered by periodic deep irrigation. This tree can be grown single trunked, or multi-trunked.



Common Geranium

***Pelargonium* spp. - Geranium**

Many of these geraniums have fragrant foliage, and are often sold by their scent: apple, nutmeg, lime, etc. In our hot inland gardens, all of these plants perform best when grown in afternoon shade. **Martha Washington (*P. x domesticum*)** grow to about 3 ft. tall and have very showy white, pink, red, lavender, purple, or near black flowers. Plants bloom from spring to early summer. Cut back these plants by 1/2 to 1/3 in Nov.-Dec. for best appearance and flower production. **Peppermint (*P. tomentosum*)** has densely hairy leaves that are very fragrant when crushed. Plants grow to about 2 ft. tall and spread an indefinite distance as the stems root where they touch the ground. This is an outstanding groundcover for dappled shade. Protect from frost.



Penstemon
Margarita BOP
Photo: Plants Express

Penstemon spp.* - Penstemon
Evergreen perennials that prefer full sun, well-drained soil, and good air circulation. All are spectacular in bloom, but many are short-lived. Dead head plants early to direct the plant's energy into producing more growth or more flowers. **Scarlet bugler (*P. centranthifolius*)** may reach 3 - 5 ft. tall, and has attractive grey foliage, and narrow, tubular, orange-red flowers that are hummingbird favorites. **Margarita BOP penstemon (*P. heterophyllus* 'Margarita BOP'*)** is a very floriferous selection that is easy to grow in most gardens. Blue-violet, 2-in. flowers appear on 6-in. flower stalks in spring and early summer. Plants may reach 2 ft. tall and 2 - 3 ft. wide. Dense, narrow, blue-green leaves are 1 - 3 in. long. **Foothill Penstemon (*P. spectabilis*)** reaches 3 - 5 ft. tall and has dozens of blue, violet, or white flowers. Plants are short lived, but are spectacular when they bloom in spring and early summer. The green leaves have coarsely serrated margins and the upper leaves clasp stems.



Russian Sage

Perovskia spp. - Russian sage
Semi-evergreen perennial subshrub reaching 3 - 4 ft. tall when in bloom, and spreading via rhizomes to form larger clumps. Grey-green hairy leaves are finely divided. Airy, branched, flower clusters carry clouds of lavender to deep purple flowers. Cut off old flower stalks to prolong bloom. Plants prefer well drained soil. Cut plants to the ground in winter before new growth starts.



Platinum Wallaby
Ptilotus

Ptilotus exaltatus* var. *villosus*

'Platinum Wallaby' -

Platinum Wallaby ptilotus

Evergreen perennial from 1 to 2 ft. tall, with a narrower spread. The foliage is rather small and insignificant, but the feathery, conical flower heads are spectacular and very long lasting. The flowers are pinkish, but the linear long-haired bracts are grey green, lending a soft silvery look to the flowers. There's nothing else like this plant in our Southern California gardens. This plant wants full sun and likes warm to hot weather. It also prefers alkaline soil.



Coast Live Oak

***Quercus* spp. - Oak**

Large stately trees that grow fairly quickly despite their reputation for being slow growing. **Coast live oak (*Q. agrifolia*)** is the iconic evergreen oak of Southern California, and reaches 30 ft. tall and 40 ft. wide in 20 years. **Engelmann oak (*Q. engelmannii*)** typically grows best in heavier soils and may reach 25 ft. tall and wide in 20 years. This species usually loses its old leaves as the new leaves emerge in spring. **Valley oak (*Q. lobata*)** is fast growing and deciduous. It is the world's largest oak and will quickly reach heights up to 20 ft. tall and 15 ft. wide within 10 to 15 years.



Coffeeberry

Rhamnus spp. - Rhamnus

Those listed here are outstanding formal and informal evergreen shrubs for use as hedges and screens. Flowers are insignificant, but some have attractive fruits (such as coffee berry). **Italian buckthorn (*R. alaternus*)** has glossy green leaves and a narrow, upswept growth habit that typically reach 8 to 10 ft. tall. This plant tolerates shearing. **Coffee berry (*R. californica*)** is quite variable and many sizes and foliage colors are available: 'Eve Case' has mid-green wide leaves and may reach from 6 to 8 ft. tall and up to 10 ft. wide. 'Leatherleaf' has extremely dark green leaves and tolerates shade. It may reach from 4 to 6 ft. high, and has a similar spread. 'Ed Holm' and 'Seaview Improved' are dwarf mounding varieties that may reach from 2 to 3 ft. in height and up to 4 ft. wide.



Indian Hawthorn

**Raphiolepis spp. -
Indian hawthorn**

Ubiquitous evergreen shrubs with shiny, thick, leathery leaves, coppery new growth, and pink (rarely white) flowers from late winter through spring. The many named varieties range in size from 3 ft. to 8 ft. tall, and most spread somewhat wider than they grow tall. Most of these plants have very stiff stems and branches (an exception is the old selection 'Rosea' that has a loose growth habit). Easily grown in most garden conditions, except hot reflected heat that burns the foliage. Prune the plants after they bloom.



Sugar Bush

***Rhus* spp. - Rhus**

There are many great plants in this genus. Two large drought tolerant, easy to grow, evergreen shrubs are: **Sugar bush (*R. ovata*)**; may become the size of a small tree. Attractive large shiny leaves are thick, leathery and usually folded in half. Red to pink flower buds in winter make great holiday decorations. Best used as informal hedges and screens. **Lemonade berry (*R. integrifolia*)** may grow equally large. With smaller, grey-green leaves and holly-like margins, it may be used for formal clipped hedges. Flower clusters are smaller than sugar bush, but still attractive. Both plants grow slow for the first year or 2 while establishing a deep root system, after that they grow at a moderate or fast growth rate.



Prostrate Rosemary

Photo: Plants Express

***Rosmarinus officinalis** -**

Rosemary

Long lived evergreen shrubby groundcover with blue flowers and aromatic dark green needle-like leaves. Prune out upright growth on young plants to maintain a uniform low growing stature. Some of the best groundcover selections are: **'Prostratus'** the old reliable standard with pale blue flowers and dark grey-green leaves. **'Huntington Carpet'** has pale blue flowers and is fast growing. **'Irene'** has blue flowers and is lower-growing. **'Ken Taylor'** has deep blue flowers and dark green leaves, and will reach heights of 2 to 3 ft. tall if not pruned annually. There are many taller selections of rosemary, that may reach up to 8 ft.



Santa Barbara
Mexican Sage

Photo: Plants Express

Salvia spp. - Sage

There are literally hundreds of species, hybrids, and cultivars of sages – a daunting diversity for most gardeners. Many are drought-tolerant, including these great garden plants:

Mexican sage (*S. leucantha)**

is typically a large perennial reaching up to 5 to 6 ft. tall when in flower and forming ever expanding clumps up to 5 to 8 ft. across. Plants flower over a long season, nearly year round in some places, but are best cut to the ground in late winter before the new growth emerges. All parts of the flowers (including the stems and buds) are covered with attractive purple or white fuzz, the flowers themselves can be white, pink, or purple and may be a different color than the fuzz.



Hummingbird Sage

Photo: Plants Express

Hummingbird sage (*S. spathacea)**

is native to California and usually has deep red flowers that are irresistible to hummingbirds. Plants typically do best when grown in partial shade, though some will perform very well in full sun or full shade. All parts of the plant have a distinct fruity fragrance. The plants may spread to form clumps via underground stems, and the foliage mass may reach from 1 to 2 ft. tall (the taller stems can be pruned out in late fall or winter to give the plant a more uniform appearance). Flowers appear from late winter to early summer, though an off-season bloom or two is not uncommon.



Germander

***Teucrium* spp. - Germander**

There are many types of germanders that are excellent garden plants, though 2 are especially useful in our local gardens: **Fruity germander (*T. majoricum*)** is a low-growing evergreen groundcover with numerous showy purple flower heads from spring to fall. Plants typically reach from 2 to 6 in. tall, and spread up to 2 to 3 ft. wide. For best appearance, cut off the old flower heads when they are done blooming.

Bush germander (*T. fruticans*) has white stems and their leaves have equally white undersides. The upper surfaces of the leaves are dark green. Flowers are varying shades of blue. This plant may be sheared into just about any shape: globes, cubes, hedges, etc. – your imagination is the only limit. If left unpruned, this plant can reach as much as 8 to 10 ft. tall with a nearly equal spread. 'Compacta' is smaller, reaching just 5 to 6 ft. in height. 'Azureum' has deep blue flowers.



Thyme

***Thymus* spp. - Thyme**

Thymes are excellent choices for difficult spaces in between stepping stones, as small groundcovers, miniature hedges, or toward the front of a mixed border. There are dozens of species and selections to choose from. Nearly all have fragrant foliage and all produce tiny flowers in small heads. These plants are not quite as drought-tolerant as many of the others, though they require a lot less water than typical garden plants.



Society Garlic

Photo: Plants Express

***Tulbaghia violacea** -**

Society garlic

Evergreen bulb. South Africa's society garlic has become a common component of Southern California gardens and landscapes due to its profusion of pale lavender flowers from late winter to early summer and its wide adaptability to garden conditions. Plants have narrow strap-like grey leaves and create a mass of foliage that is about 4 in. tall. Clumps continue expanding as they age, and are easily divided. The plants have a scent that is not always welcome in an enclosed space. Be sure that this will not be a problem for you before you plant many of them in your garden.



Rigid Verbena

***Verbena* spp.**

Verbena

The plants listed here are evergreen perennials.

Purpletop (*V. bonariensis*) is a tall see-through plant that may reach from 4 - 6 ft. tall.

Lavender purple flower heads seem to float above the ground on stiff narrow stems. Foliage and stems have short, stiff, rough hairs. This species can be invasive in some gardens and landscapes. **Lilac verbena (*V. lilacina*)** is from Baja California, Mexico and grows into a loose mound of green divided leaves and stems. Plants flower year round although there are fewer in the middle of summer and winter. Flowers are lavender, are scented like carnations, and attract butterflies. 'De La Mina' has dark flowers and greener stems and foliage, 'Paseo Rancho' is paler all around.



Roger's Red Grape

***Vitis* spp. - Grape**

Deciduous woody vines that quickly bring the feeling of age into a garden. All have edible grapes, though some are much more palatable than others. 'Roger's Red' is an especially fast growing selection that displays vivid red fall color in all areas of Southern California. Effective on durable structures, and even on chain-link fencing. Do not allow the stems to grow through holes in fences or trellises because as the stems increase their girth, they will eventually either burst the structure or will be strangled by it.



Wynyabbie Gem
Westringia

***Westringia fruticosa* -**

Westringia

Evergreen shrub with especially attractive fine textured, grey-green foliage. Plants may reach from 3 to 6 ft. tall and are typically twice as wide. Plants need well-drained soils. The selection 'Wynyabbie Gem' is particularly desirable as it reaches 4 ft. tall and 5 ft. wide. Small pale lavender flowers appear at various times of the year, but are most noticeable in spring. 'Morning Light' has variegated foliage, white flowers, and is 3 ft. tall and wide.



Chinese Wisteria

Photo: Plants Express

***Wisteria* spp.* - Wisteria**

Deciduous woody vines with sumptuous hanging racemes of lavender-blue to white flowers that carry a sweet scent in spring. Established plants are very drought-tolerant.

Woody pods open explosively and shoot their seeds quite a distance. These plants are particularly outstanding when they are grown on trellises and arbors. Chinese wisteria (*W. sinensis**) is considered the most drought-tolerant of the species.



Route 66

California Fuchsia

***Zauschneria* spp. (also known as *Epilobium* spp.) -**

California fuchsia

Evergreen to semi-evergreen perennials with either grey or green foliage. Flowers appear from summer to late fall, and are typically vibrant red in color (rarely white or pink). 'Catalina' has narrow grey leaves and grows 3 to 4 ft. tall and wide.

'Route 66' has green leaves and naturally produces densely branched growth and a profusion of blooms in late fall. It may reach 3 ft. tall and up to 4 to 5 ft. wide. 'Select Mattole' has broad silvery leaves and is typically less than 1 ft. tall and spreads up to 3 ft. wide.

Inland Empire Conservation Gardens

- Chino Basin Water Conservation District
4594 San Bernardino St.
Montclair, CA 91763
- Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92572
- Inland Empire Utilities Agency –
Chino Creek Wetlands & Educational Garden
6075 Kimball Ave.
Chino, CA 91708
- Rancho Santa Ana Botanic Garden
1500 North College Avenue,
Claremont, CA 91711
- San Bernardino Valley Water Conservation
Demonstration Garden
Cal State San Bernardino, Coyote Dr.
Entrance (East of 5500 University Pkwy
on North Park Blvd.)
- Western Municipal Water District –
Landscapes Southern California Style
450 East Alessandro Blvd.
Riverside, CA 92508



RANCHO SANTA ANA BOTANIC GARDEN



Inland Empire Waterwise Landscape Contest

WESTERN WATER•WISE

Landscape Contest

[RULES](#) [ENTRY FORM](#) [IDEAS](#) [SPONSORS](#) [AWARDS](#) [CONTACT](#) [HOME](#)

2011 regional winners

Judith Carlson
FIRST PLACE

Patti Bonawitz
SECOND PLACE

John & Doby Anderson
THIRD PLACE

2011 local winners

Elvira Ostrander
CITY OF CORONA

Scott Bradstreet
EVMWD

Lucas Giese
IEUS

Linda Richards
SOVMWD

Joyce Johnson
CITY OF UPLAND

[View the awards page for images](#)



Western Municipal Water District and its partners want to recognize water-efficient residential landscapes!

For excellent ideas, exhibits, resources and classes, visit Western's water conservation garden, Landscapes Southern California Styles located at 450 E. Alessandro Blvd. in Riverside. You can also or phone us at 951.709.5000.

Show the region that using less water can be beautiful.

Your masterpiece may be the one that gets selected from the entries to receive honors and prizes while also being showcased on our website!

WESTERN WATER•WISE

Landscape Contest Sponsors:

Water Agency Sponsors: Western Municipal Water District, Eastern Municipal Water District, Inland Empire Utilities Agency, San Bernardino Valley Municipal Water District, City of Corona, Elsinore Valley Municipal Water District, Jurupa Community Services District, Rancho California Water District, Riverside Public Utilities, City of Upland. **Corporate Sponsors:** Webb Associates, Toro, Rainbird, Valley Soil, Inc., Riverside County Flood Control & Conservation District, Chino Basin Water Conservation District, Inland Empire Garden Friendly, Riverside County Water Task Force, BeWaterWise.com

AWARDS & JUDGING

[RULES](#) [ENTRY FORM](#) [IDEAS](#) [SPONSORS](#) [AWARDS](#) [CONTACT](#) [HOME](#)



JUDGING CRITERIA

Judges will consider the following elements of water-wise landscaping:

Curb appeal:

Aesthetic use of color, form, and texture. Environmentally sensitive use of hardscape.

Appropriate plant selection:

California-friendly plant palette, functional turf, and functional landscape.

Design:

Artistic and practical layout of plant materials and hardscape elements with consideration of horticultural requirements.

Appropriate maintenance:

Use of mulch; weeds kept to a minimum; plants neat, tidy and attractive.

Efficient methods of irrigation:

Appropriate irrigation design, and equipment designed to reduce runoff.

CONTEST AWARDS

First Place: \$1000

Second Place: \$750

Third Place: \$500

The water districts listed below are providing an award of \$500 to a participant who resides in each of their districts, and who is not selected to receive one of the three major awards above.

City of Corona

Eastern Municipal Water District (retail customers)

Elsinore Valley Municipal Water District

Inland Empire Utilities Agency

Jurupa Community Services District

Rancho California Water District

Riverside Public Utilities

San Bernardino Valley Municipal Water District

City of Upland

Western Municipal Water District (retail customers)

[John Carson](#)
First Place



[Paul Bonawit](#)
Second Place



[John & Debby Anderson](#)
Third Place



[Elena Ostander](#)
Local Prize for Corona



[Scott Bradstreet](#)
Local Prize for Eastern
Municipal Water District



[Lucas Siles](#)
Local Prize for Inland
Empire Utilities Agency



[Linda Edwards](#)



AWARDS & JUDGING

[RULES](#) [ENTRY FORM](#) [IDEAS](#) [SPONSORS](#) [AWARDS](#) [CONTACT](#) [HOME](#)



Local Winner for Inland Empire Utilities Agency
Lucas Giese
7890 Eastwood Ave.
Rancho Cucamonga, CA 91700

[View map to this location](#)



[Judith Galison](#)
First Place



[Patti Bonawit](#)
Second Place



[John & Deb Anderson](#)
Third Place



[Ewra Cottrander](#)
Local Prize for Corona



[Scott Bradstreet](#)
Local Prize for Eastern
Municipal Water District



[Lucas Giese](#)
Local Prize for Inland
Empire Utilities Agency



[Linda Edwards](#)





- - click screen to close - -

National Theatre for Children

FY 2010-2011

National Theatre for Children Program Costs
Average cost per student reached through this program is \$1.70

2004-2005	Annual Program Cost: \$39,200 75 performances	\$784 per school	50 schools	Reaching <u>20,861</u> students, teachers & parents
2005-2006	Annual Program Cost: \$40,000 85 performances	\$800 per school	50 schools	Reaching <u>23,357</u> students, teachers & parents
2006-2007	Annual Program Cost: \$43,100 76 performances	\$862 per school	50 schools	Reaching <u>20,798</u> students, teachers & parents
2007-2008	Annual Program Cost: \$44,177.50 90 performances	\$883 per school	50 schools	Reaching <u>23,363</u> students, teachers & parents
2008-2009	Annual Program Cost: \$46,400.00 85 performances	\$928 per school	50 schools	Reaching <u>52,224</u> students, teachers & parents
2009-2010	Annual Program Cost: \$48,700.00 86 performances	\$974 per school	50 schools	Reaching <u>24,753</u> students, teachers & parents
2010-2011	Annual Program Cost: \$51,100.00 90 performances	\$983 per school	52 schools	Reaching <u>25,292</u> students, teachers & parents



The National Theatre for Children

LOWER ELEMENTARY ACTIVITIES
Grades K-2



IN THE

AMNESIA

ADVENTURE



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

EVERY
LITTLE BIT
HELPS!



THE STORY

Evil supervillain, Dame Judy Drenched has a plan that won't fail. Tired of *The Aqua League* always foiling her plans, she has stolen an Amnesia Ray and plans to test it on the first hero she sees. When The Watercooler steps in to thwart her wasting ways, he is zapped by the Amnesia Ray and promptly forgets everything he knows about water and water conservation. He must stop Dame Judy before it's too late... **but HOW?**

The Watercooler seeks the help of his friends Pizza Guy, Dr. Stu, and Canadian superhero, The Hoser. Can The Watercooler learn everything he needs to know in time to stop Dame Judy and save the day? **What ways have you learned to save water?**

The
Watercooler

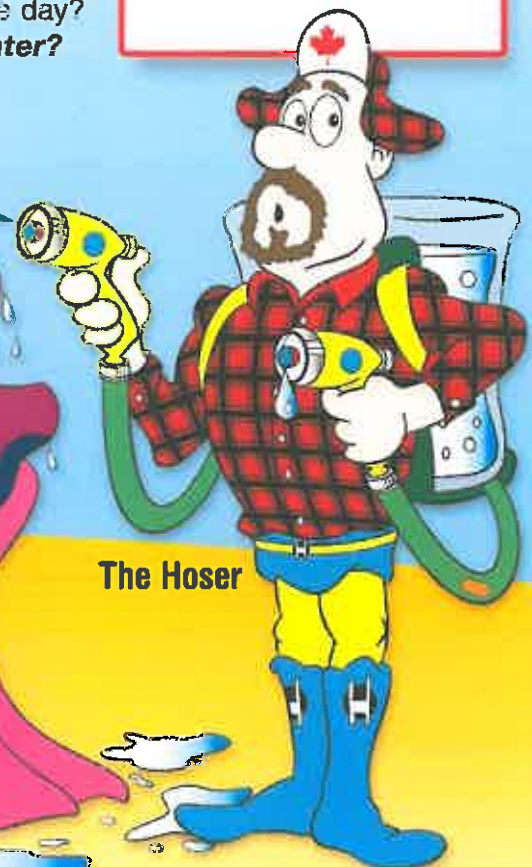


Dr. Stu

Pizza
Guy



Dame Judy
Drenched



The Hoser

Here's What to Learn!

- The importance of water
- The uses of water
- Ways water is polluted
- How to save water

Vocabulary Words

Aquifer

Conservation

Drought

Fresh Water

Groundwater

Pollution

Salt Water

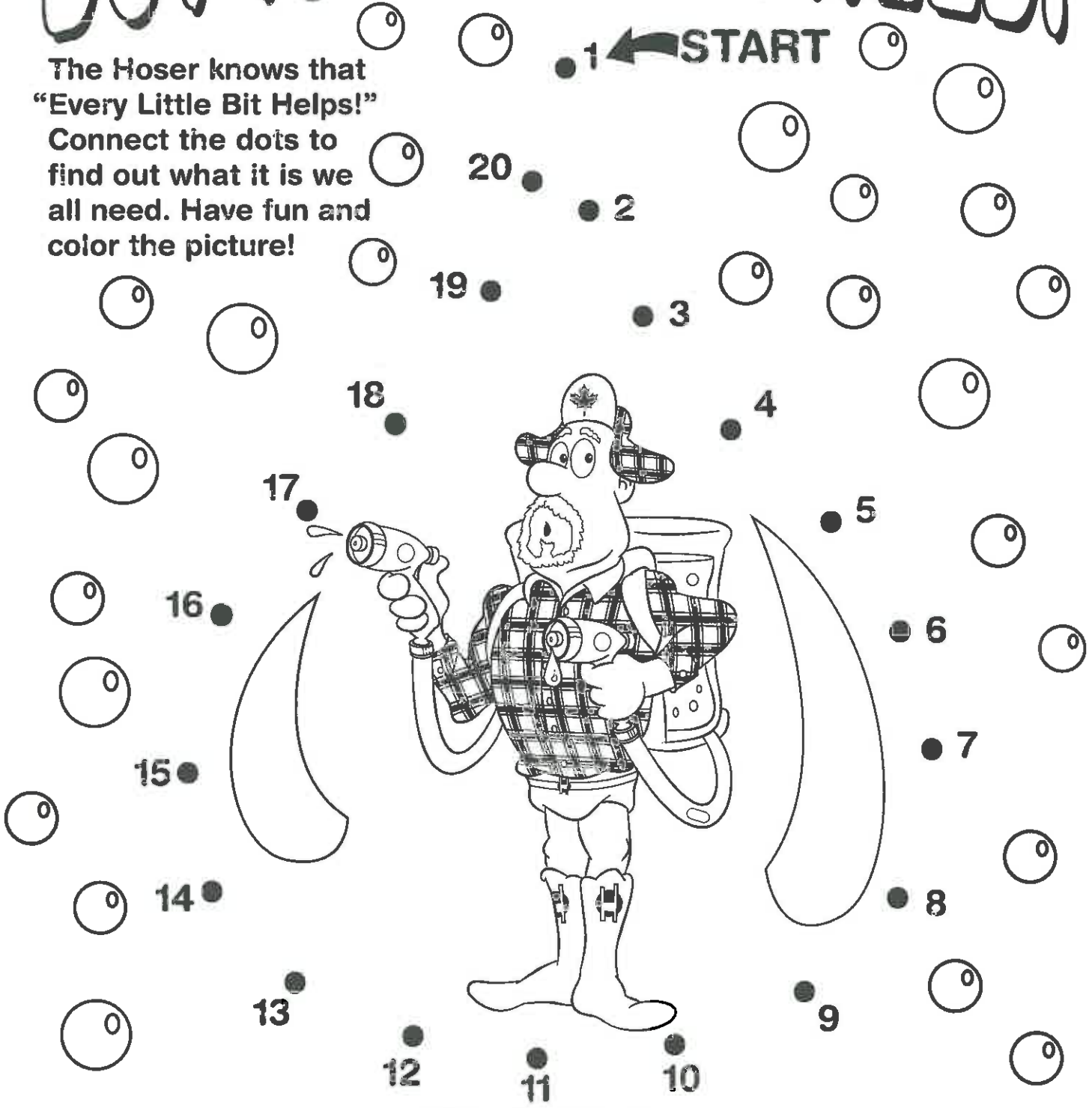
Shut-off Nozzle

Storm Drain

DOT IS WHAT WE NEED!

The Hoser knows that
"Every Little Bit Helps!"
Connect the dots to
find out what it is we
all need. Have fun and
color the picture!

1 ← START



Dame Judy's

COUNT ON IT!

$0 + 5 =$ W

$3 - 2 =$ T

$8 - 1 =$ R

$4 + 4 =$ E

$6 - 3 =$ A

DO THE MATH AND FILL
IN THE SPACES BELOW
WITH THE CORRECT
LETTERS TO FIND THE
HIDDEN MESSAGE!



W

WE ALL NEED

5

3

1

8

7

TO SURVIVE!

COLOR THE WATERCOOLER!

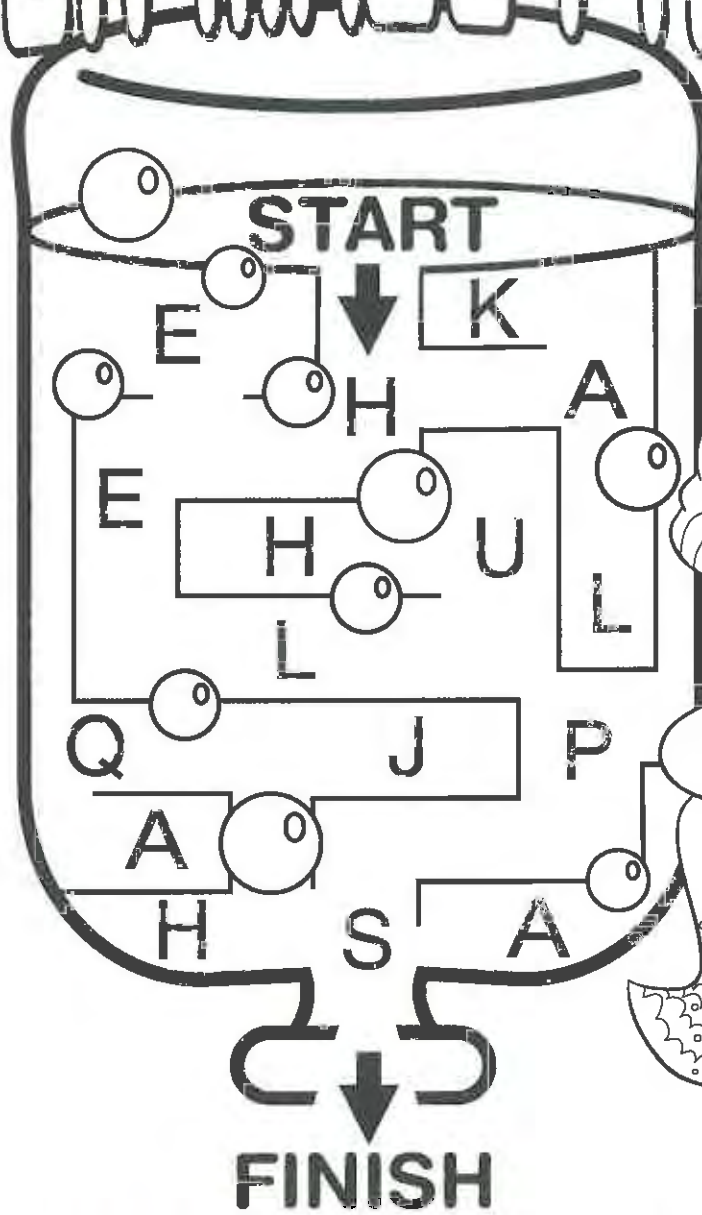
This is a great way to save water. Color the picture!

TURN OFF THE WATER WHEN
YOU BRUSH YOUR TEETH!



COOLER MAZE PHRASE!

FIND YOUR WAY
THROUGH THE
MAZE. WRITE THE
LETTERS IN THE
ORDER THEY
APPEAR ON THE
LINES BELOW.
WHAT IS THIS
IMPORTANT
MESSAGE?



EVERY LITTLE BIT

_____ !

THE AQUA LEAGUE'S MIX

MATCH

Who is talking about pollution?
Draw a line from the character on the top to the
matching shadow at the bottom. What other facts
do you know about pollution?



POLLUTION
CAN MAKE
OUR WATER
UNDRINKABLE!



DO YOUR
PART TO
KEEP OUR
WATER
CLEAN!



NEVER
DUMP
CHEMICALS
DOWN THE
DRAIN!



PIZZA GUY'S WATER WORDFIND

FIND AND CIRCLE THE
THREE WORDS IN THE
PUZZLE BELOW.



CONSERVE
DROUGHT
WATER

H	D	B	Y	R	T	D	D
N	R	B	I	H	Q	H	S
C	O	N	S	E	R	V	E
P	U	S	M	J	L	S	S
Q	G	K	K	M	P	B	X
W	H	P	J	G	O	P	P
C	T	Z	F	F	I	R	R
B	V	W	A	T	E	R	U

FOR OUR FUTURE FACTS



Dr. Stu knows a lot about water pollution. Read the paragraph and then answer the True/False questions. Be sure to ask an adult if you need help!

WHAT DO YOU KNOW ABOUT WATER POLLUTION?

We should never waste or pollute water. Pollution is when the water gets so dirty we can't use it any more. A million years ago, all of the water was clean and clear. Now, much of our water is dirty. We can't drink it because people pollute it by dumping trash in the rivers, lakes, and oceans. Water companies clean the water before sending it to our homes and schools, but sometimes the pollution is so bad the water can't be treated. Things like paint and motor oil are too difficult to clean out of the water. So remember to NEVER dump them down the drain. We all need to keep the water clean!

Always Remember, Every Little Bit Helps!

- T / F 1. Never dump paint down the drain.
- T / F 2. A million years ago, water was dirty and smelled funny.
- T / F 3. Pollution is good for the water.
- T / F 4. Water companies clean water before sending it places.

TAKE HOME FAMILY ACTIVITY

EVERYONE WINS!

When We Conserve Water!

Compete with your family to see who conserves the most! Cut out the boxes and have each person keep track for one week by putting a check every time they conserve water. Count the marks at the end of the week. Whoever has the most checks wins! Copy this sheet if you have more than three contestants.



Scissors icon on the left side of the dashed border.

FAMILY MEMBER #1	MON.	TUES.	WED.	THUR.	FRI.	SAT.	SUN.
I turned off the water when brushing my teeth.							
I kept showers to under 5 minutes or used only a little water in the tub.							
TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

Scissors icon on the left side of the dashed border.

FAMILY MEMBER #2	MON.	TUES.	WED.	THUR.	FRI.	SAT.	SUN.
I turned off the water when brushing my teeth.							
I kept showers to under 5 minutes or used only a little water in the tub.							
TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

Scissors icon on the left side of the dashed border.

FAMILY MEMBER #3	MON.	TUES.	WED.	THUR.	FRI.	SAT.	SUN.
I turned off the water when brushing my teeth.							
I kept showers to under 5 minutes or used only a little water in the tub.							
TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

The National Theatre for Children has been Providing Educational Theatre for Over 30 Years!



Here is a favorite moment from:



Teachers and School Administrators:

Thank you for allowing us to teach your students the following:

- The importance of water
- The uses of water
- Ways water is polluted
- How to save water

Thanks to our sponsors, these shows are provided FREE to schools. All we ask is that you go to www.playworks.com and look for the "Hey Teachers!" icon. There you will find a short evaluation so you can let us know how we're doing!



The National Theatre for Children

For More Information Contact Your Local Water District!



Gil Aldaco or Mike Hornock
909-591-9845
www.cityofchino.org



Patrick Soto
909-822-2201
pjsoto@fontanawater.com



Mike Adams
909-364-2804
madams@chinohills.org



Shelley Cirrito
909-987-2591
shelleyc@cvwdwater.com



Alisa Hasbrouck
909-395-2661
ahasbrouck@ci.ontario.ca.us



Annette Guthrie
909-291-2962
aguthrie@ci.upland.ca.us



Mary Ann Melleby
909-267-2165
mmelleby@mvwd.org



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT
P.O. Box 9020
Chino Hills, CA 91709
www.ieua.org



The National Theatre for Children

UPPER ELEMENTARY ACTIVITIES
Grades 3-5(6)



IN THE

AMNESIA

ADVENTURE



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

EVERY
LITTLE BIT
HELPS!



The
Watercooler



THE STORY

Evil supervillain, Dame Judy Drenched has a plan that won't fail. Tired of *The Aqua League* always foiling her plans, she has stolen an Amnesia Ray and plans to test it on the first hero she sees. When The Watercooler steps in to thwart her wasting ways, he is zapped by the Amnesia Ray and promptly forgets everything he knows about water and water conservation. He must stop Dame Judy before it's too late...**but HOW?**

The Watercooler seeks the help of his friends Pizza Guy, Dr. Stu, and Canadian superhero, The Hoser. Can The Watercooler learn everything he needs to know in time to stop Dame Judy and save the day? **What ways have you learned to save water?**

Here's What to Learn!

- The importance of water
- The uses of water
- Ways water is polluted
- How to save water

Vocabulary Words

Aquifer

Conservation

Drought

Fresh Water

Groundwater

Pollution

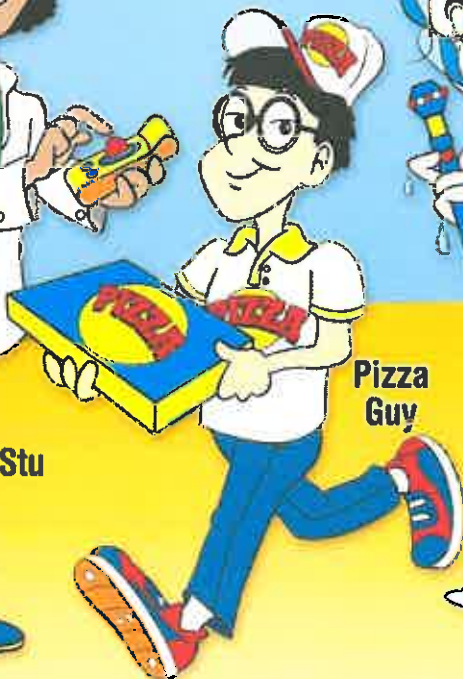
Salt Water

Shut-off Nozzle

Storm Drain



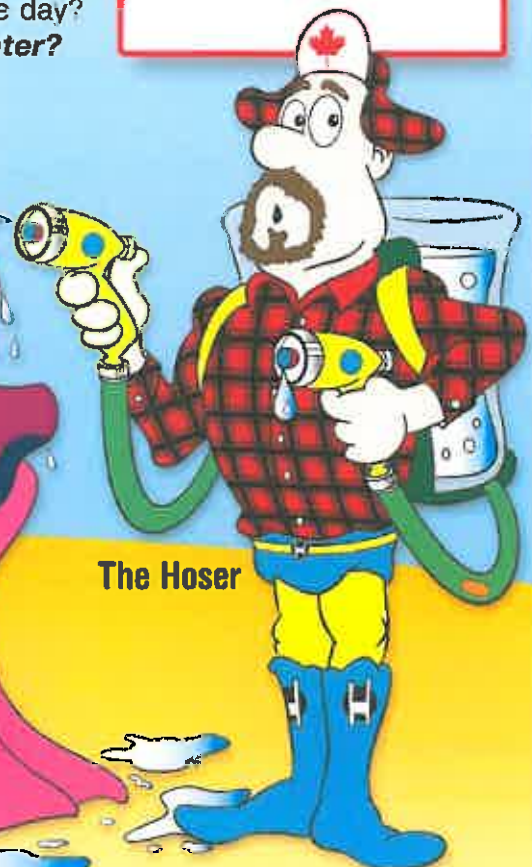
Dr. Stu



Pizza
Guy



Dame Judy
Drenched



The Hoser

COOLER MAZE PHRASE!

FIND YOUR WAY
THROUGH THE
MAZE. WRITE THE
LETTERS IN THE
ORDER THEY
APPEAR ON THE
LINES BELOW.
WHAT IS THIS
IMPORTANT
MESSAGE?

START

L	I					I	Y		
T	M	O	P	U		E	G	W	
F	C		Z			V			
A	J		T	I	L	V		E	
L		T	D		Y	R			
E	B		X			K	O	Q	L
I	I		Y			B	T	W	A
B		T	H		N	R			
D	X			E	P	S	T		
R	G		L	L	S	Z	Z		
	J	P			K	E			
			S						

FINISH



_____ !

THE LOSER'S COUNT ON IT!

DO THE MATH
AND FILL IN THE
SPACES BELOW
WITH THE CORRECT
LETTERS TO FIND
THE HIDDEN
MESSAGE!

$5 + 5 =$ **E**

$3 \overline{)6} =$ **D**

$8 - 2 =$ **A**

$3 \times 3 =$ **R**

$2 \overline{)2} =$ **O**

$4 + 7 =$ **V**

$5 - 0 =$ **U**

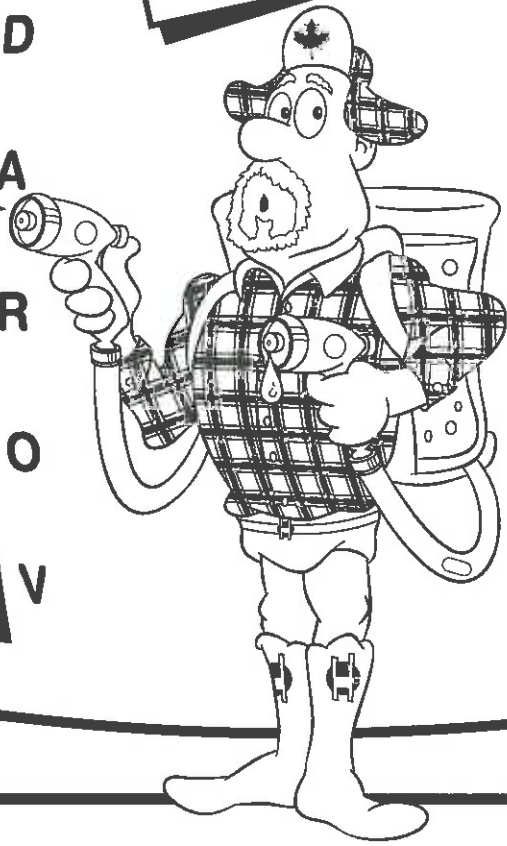
$1 \times 8 =$ **S**

$6 + 9 =$ **W**

$12 - 12 =$ **N**

$3 \overline{)9} =$ **T**

$4 \times 3 =$ **I**

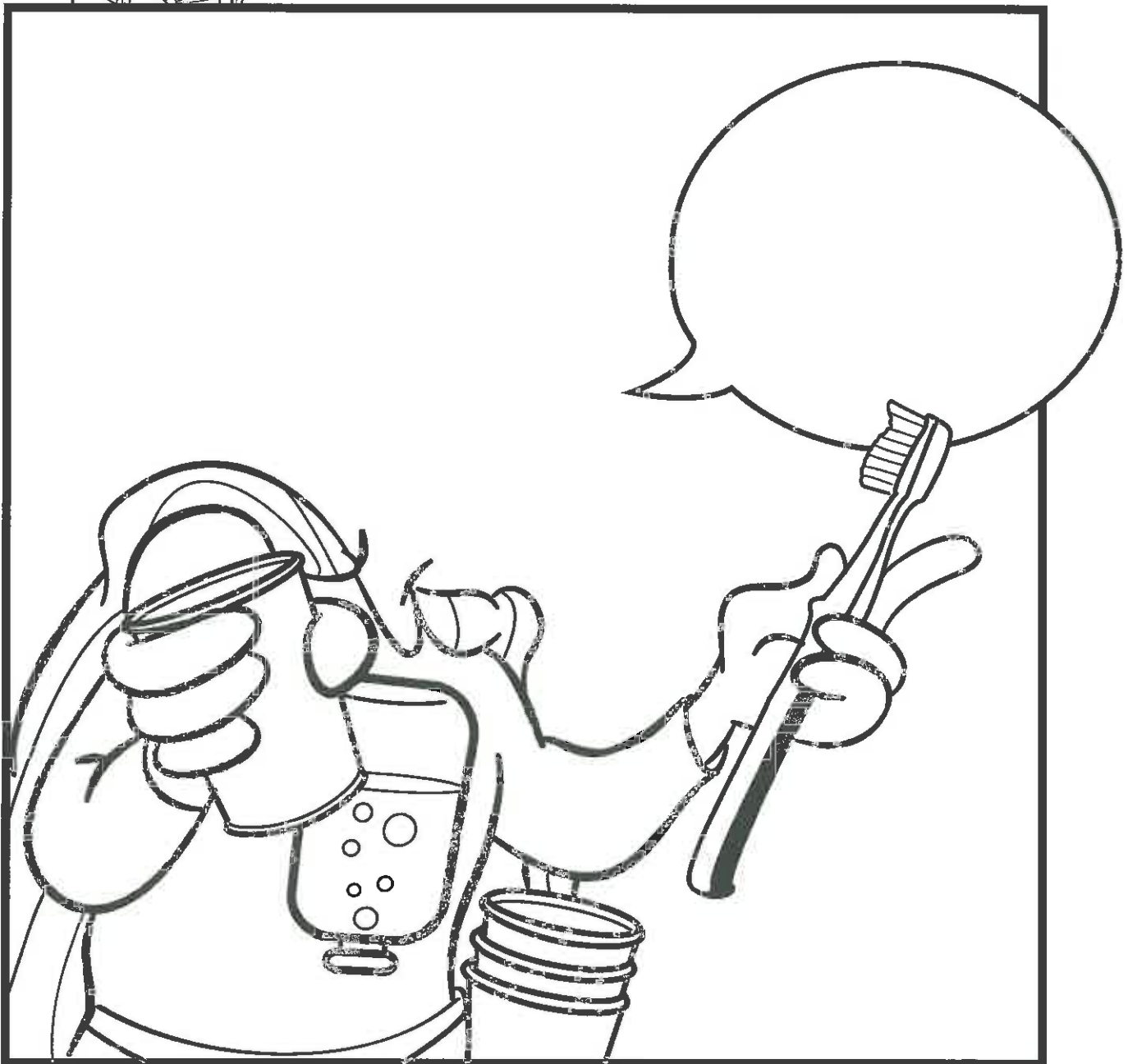


$\frac{\quad}{15}$	E	$\frac{\quad}{0}$	E	E	$\frac{\quad}{2}$	$\frac{\quad}{15}$	$\frac{\quad}{6}$	$\frac{\quad}{3}$	E	$\frac{\quad}{9}$
$\frac{\quad}{3}$	$\frac{\quad}{1}$	$\frac{\quad}{8}$	$\frac{\quad}{5}$	$\frac{\quad}{9}$	$\frac{\quad}{11}$	$\frac{\quad}{12}$	$\frac{\quad}{11}$	$\frac{\quad}{10}$	E!	

GET AHEAD!

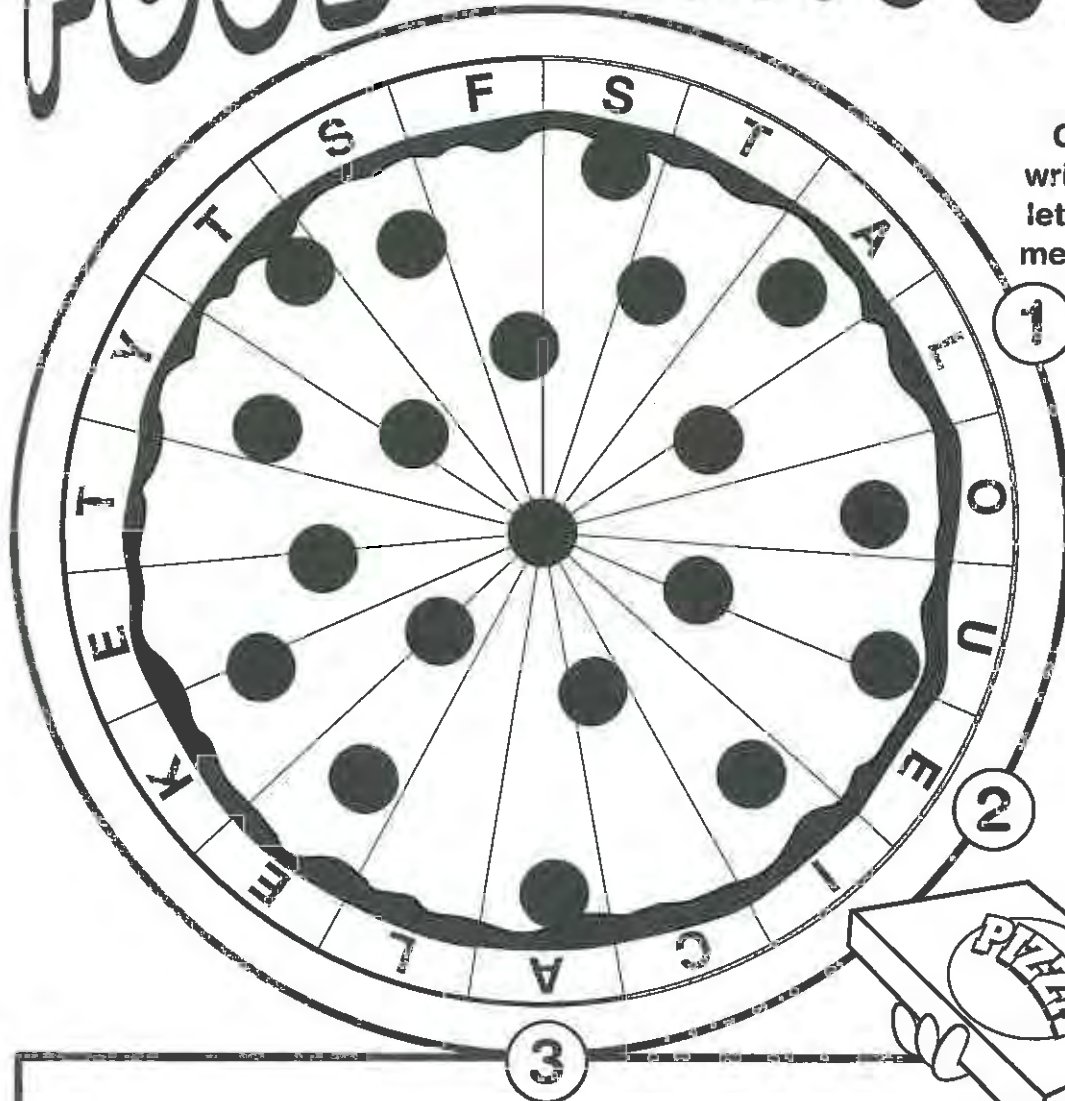


You can be a Super Hero just like The Watercooler!
Draw your head and face on the picture below. Then, write
a caption in the bubble about what you learned about
conserving water. Have fun and color your picture.



-PIZZA GUY'S-

FOOD FOR THOUGHT!



Go around the pizza writing down every third letter to find the hidden message! The first three are already done for you!



L E A

① ② ③

AND _____

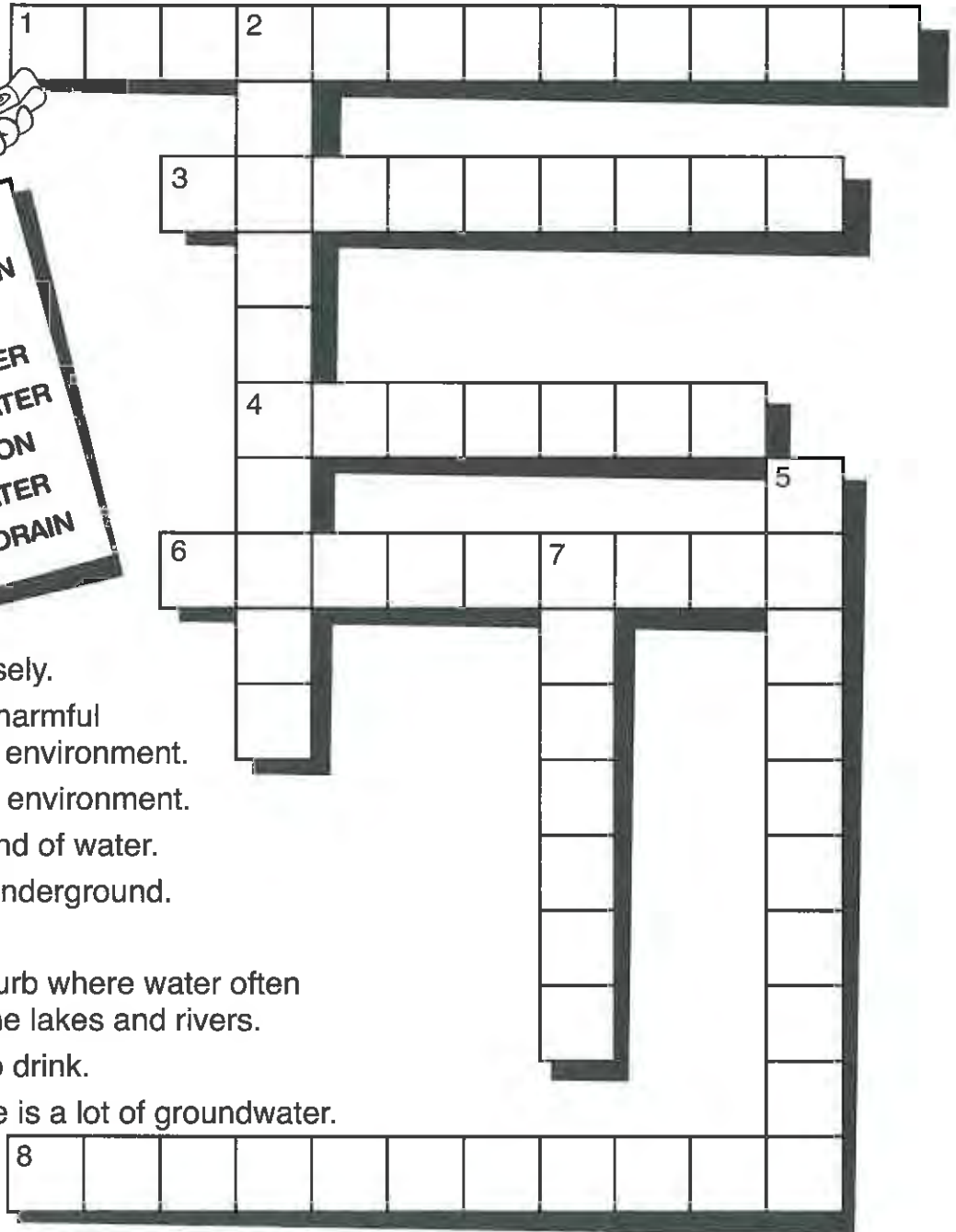
WASTE WATER!

DR. STU'S

CROSSWORD CLUES



Find the answer for each sentence and write it in the correct space.



ACROSS:

- Using resources wisely.
- The introduction of harmful substances into the environment.
- Lack of water in the environment.
- The ocean is this kind of water.
- Water found deep underground.

DOWN:

- An opening in the curb where water often flows straight into the lakes and rivers.
- Water that is safe to drink.
- An area where there is a lot of groundwater.

Dame Judy's WATER WORDFIND

FIND AND CIRCLE ALL OF THE WORDS
IN THE LIST BELOW.



P	O	L	L	U	T	I	C	N	A	H	J
H	D	G	W	P	F	L	L	R	Q	G	J
Q	R	E	W	Z	F	L	L	R	U	R	P
C	O	N	S	E	R	V	A	T	I	O	N
N	U	L	M	Y	L	Q	O	W	F	U	U
B	G	K	M	U	N	D	U	Q	E	N	T
E	H	I	N	R	Z	F	Y	S	R	D	Q
R	T	O	H	Q	Z	G	T	P	V	W	S
S	T	O	R	M	D	R	A	I	N	A	D
F	R	E	S	H	W	A	T	E	R	T	V
J	N	H	F	U	E	N	Q	G	U	E	C
H	A	S	A	L	T	W	A	T	E	R	G

AQUIFER

GROUNDWATER

CONSERVATION

POLLUTION

DROUGHT

SALT WATER

FRESH WATER

STORM DRAIN

FOR OUR FUTURE FACTS



Dr. Stu knows a lot about water pollution. Read the paragraph and then answer the True/False questions. Be sure to ask an adult if you need help!

WHAT DO YOU KNOW ABOUT WATER POLLUTION?

We waste water every day when we pollute it! Pollution is when water gets so dirty we can't use it anymore. A million years ago, all of the water was clean and unpolluted. Now, much of our water is dirty and undrinkable because people pollute it by dumping chemicals or trash in the rivers, lakes and oceans. Water companies clean the water before sending it to homes, schools and other places. Sometimes the pollution gets so bad that the water cannot be treated, especially when people pollute by dumping Household Hazardous Wastes, or HHW's, down drains. Things like paint, motor oil, or certain household chemicals are too difficult to clean out of the water, so remember to NEVER dump them down the drain. Also, NEVER throw garbage or chemicals into storm drains because many flow directly to area rivers and lakes. Trash is the biggest way these bodies of water get polluted!

Always remember, EVERY LITTLE BIT HELPS!

- T / F 1. Never dump paint down the drain.
- T / F 2. Trash is the biggest way lakes and rivers get polluted.
- T / F 3. HHW's stand for Hazardous Household Waffles.
- T / F 4. Water companies clean water before sending it places.
- T / F 5. Pepperoni pizza is a Household Hazardous Waste.
- T / F 6. Never throw garbage into storm drains.

Answers: 1. T 2. T 3. F 4. T 5. F 6. T

TAKE HOME FAMILY ACTIVITY

EVERYONE WINS!

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✂

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TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

✂

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I turned off the water when brushing my teeth.							
I kept showers to under 5 minutes or used only a little water in the tub.							
TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

✂

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I turned off the water when brushing my teeth.							
I kept showers to under 5 minutes or used only a little water in the tub.							
TOTAL CHECKS AT END OF THE WEEK:							<input type="text"/>

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The National Theatre for Children

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Gil Aldaco or Mike Hornock
909-591-9845
www.cityofchino.org



Patrick Soto
909-822-2201
pjsoto@fontanawater.com



Mike Adams
909-364-2804
madams@chinohills.org



Shelley Cirrito
909-987-2591
shelleyc@cvwdwater.com



Alisa Hasbrouck
909-395-2661
ahasbrouck@ci.ontario.ca.us



Annette Guthrie
909-291-2962
aguthrie@ci.upland.ca.us



Mary Ann Melleby
909-267-2165
mmelleby@mvwd.org



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT
P.O. Box 9020
Chino Hills, CA 91709
www.ieua.org



The National Theatre for Children

Executive Summary

During the 2010-11 school year, The National Theatre for Children's program *The Aqua League in the Amnesia Adventure* did an excellent job of reaching out to IEUA's member agencies and advancing water awareness education. NTC reached a reported 24,344 students, plus teachers, and parents by delivering a package of live theatre, student curriculum and teacher guides to 52 elementary schools. Schools in City of Chino's, Chino Hills', Cucamonga Valley's, Fontana's, Monte Vista's, Ontario's, and Upland's districts received the program.

Teaching time is so precious that when we go to assemblies I want them to be amazing. The Aqua League in the Amnesia Adventure did not disappoint! My students were so engaged and excited to be there. Matt and Jamie were fantastic. They were so energetic and fun. I was very impressed overall. We were able to come back to the classroom and have a great discussion based on what we learned. Thank you so much! I look forward to more assemblies like this!

Katie Knecht, Kindergarten teacher, Oleander Elementary, Fontana, CA

The following report is a detailed compilation of teacher's written responses to questions about IEUA's water awareness program. The overall educational value was 6.36 (out of a scale of 1-7).and 98% want IEUA to continue to offer this program to their school.

In conclusion, NTC has delivered a well-regarded, valuable water conservation education and brand awareness program that reaches into each community with a positive message from IEUA and its agency members.

If you want to connect with your community on an important societal message, The National Theatre for Children can help. NTC has pioneered extremely successful programs in energy, water, recycling, financial literacy, and health issues including nutrition, fitness, conflict resolution and tobacco use prevention. Over the years, NTC has developed hundreds of programs that tour elementary and middle schools. NTC produces educational programs on behalf of sponsors across the country including public and private utilities, municipalities, states, cities, counties, health maintenance organizations, supermarkets, and arts councils. With the help of NTC, sponsoring organizations have gotten important societal messages out in a fun and memorable way. In short, if your organization has a message to get out to the community, NTC can do it.



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT



The National Theatre for Children

Final Report
2010-11



The National Theatre for Children visited 52 schools on behalf of IEUA during the 2010-11 school year. The actors performed 90 shows for a reported 24,344 students and 948 teachers.



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

• **Chino Hills:**

8 Schools, 14 Performances,
3,625 Students, 161 Teachers

• **City of Chino:**

5 Schools, 8 Performances,
1,845 Students, 73 Teachers

• **Cucamonga:**

12 Schools, 23 Performances,
5,978 Students, 212 Teachers

• **Fontana:**

9 Schools, 15 Performances,
4,186 Students, 113 Teachers

• **Monte Vista:**

6 Schools, 10 Performances,
2,940 Students, 129 Teachers

• **Ontario:**

11 Schools, 18 Performances,
5,000 Students, 222 Teachers

• **Upland:**

1 Schools, 2 Performances,
770 Students, 38 Teachers





Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

The Actors

Fall 2010

Nicole Adelman



&

Ryan Klamen



Final Report
2010-11



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

The Actors

Winter 2011

Jamie Hultgren



&

Matt Franta



Final Report
2010-11

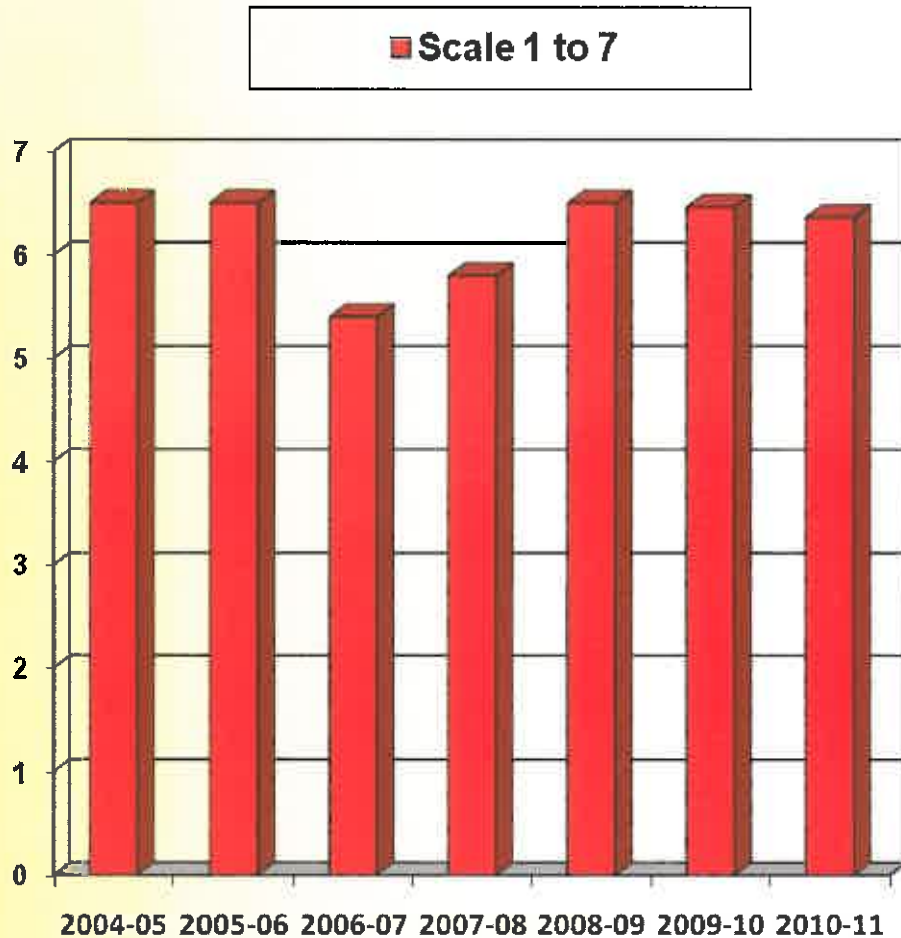


**HEY,
TEACHERS!**

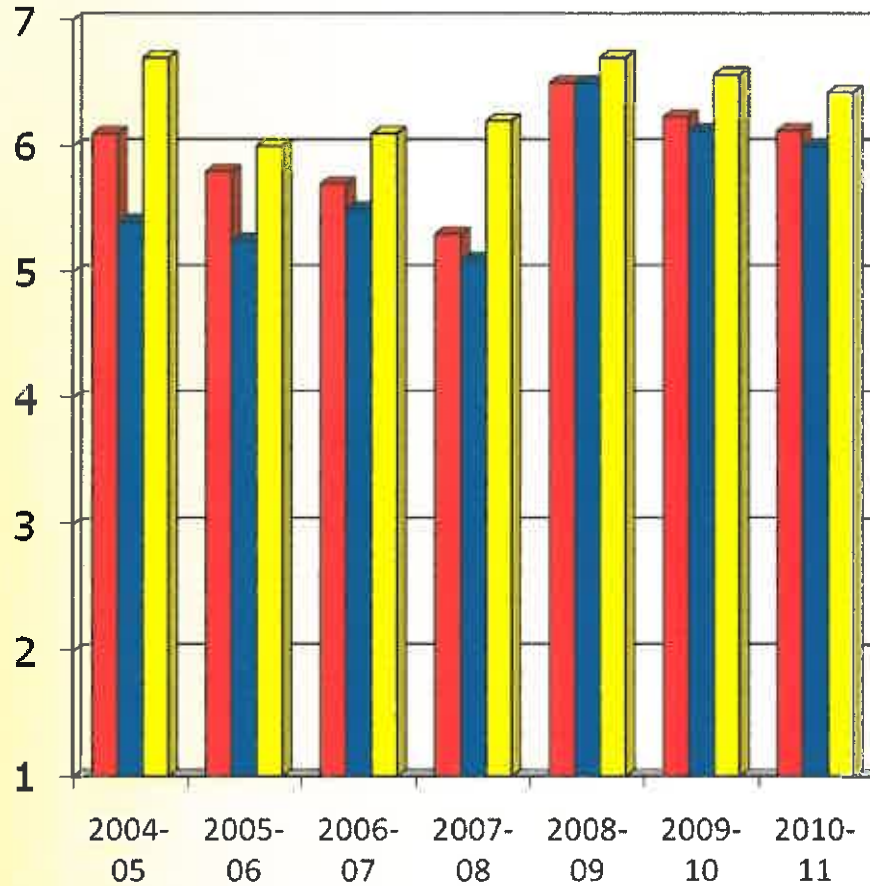


**You've seen the show!
Now evaluate the program!**

Each teacher at each participating school is requested to complete an on-line program evaluation. Information is received via e-mail by NTC and reviewed daily in the event that immediate action is necessary.

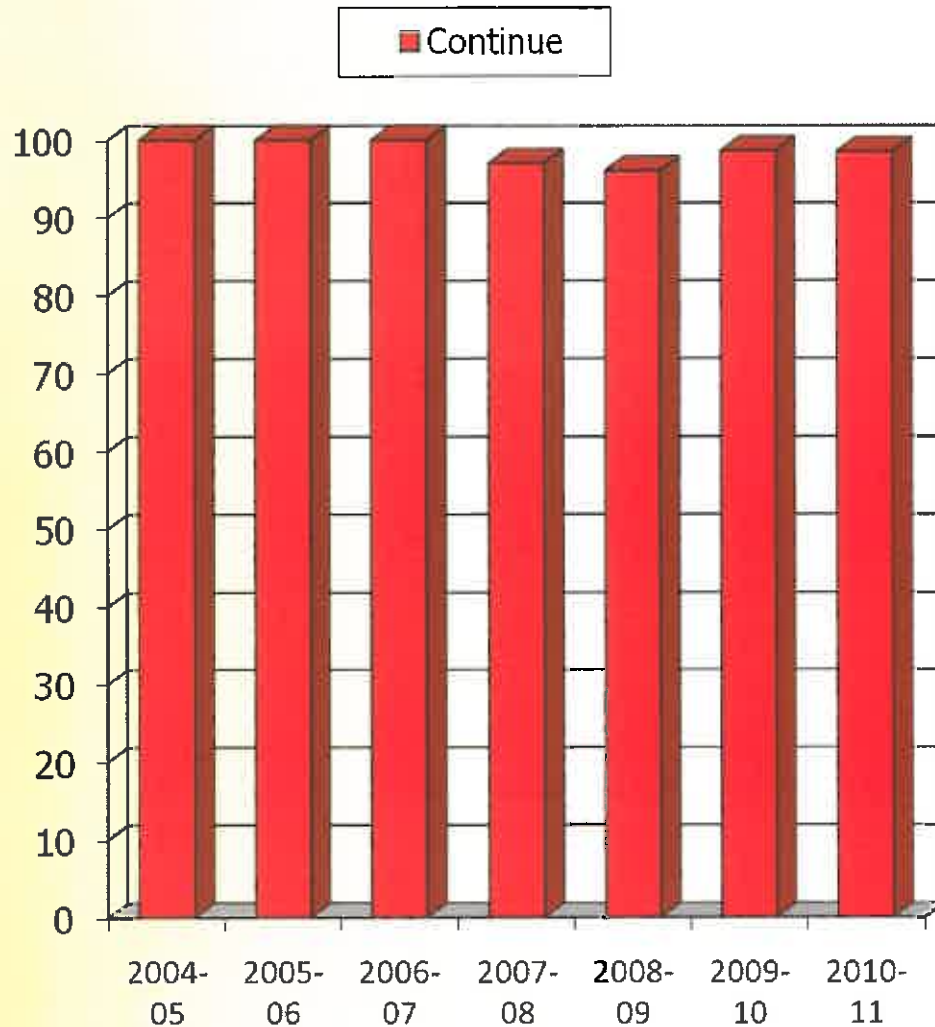


Teachers were asked to rate the overall educational value of the program based on a scale of 1 (lowest) to 7 (highest).



- A. Rate the program's ability to stimulate classroom discussion.
- B. Rate the likelihood that students will retain the material covered.
- C. Rate the ability of live theatre to increase the students' capacity for retaining the message.

based on a scale of 1 to 7



Would you like to see us continue with this or a similar type of service in the future?

(graph indicates percentage of "yes" responses)





What the Teachers are Saying ...

City of Chino

Wonderful show!!! :)

Nikki Pierce, 1st grade teacher, Chino Valley Christian School, Chino, CA

The show was very well done. It was entertaining and informational. The middle schoolers were not as impressed as were the preschool and elementary school students but they liked it. Sound was a little bit of a problem. We are by a busy street corner and it was difficult to hear everything that was being said. Kudos to Ryan and Nicole for a super job! Wouldn't mind seeing them again!

Mrs. Garber, 6th grade teacher, Chino Valley Christian Schools, Chino, CA

Great Job! very intertaining. As a Canadian I loved the North of the Border humor. I got it but the students didn't.

Christa Boothroyd, 4th grade teacher, Howard Cattle Elem., Chino, CA

Very nicely done! Thank you!

Mrs. Vloral, Pre-school through 9th, Chino Valley Christian Schools, Chino, CA

City of Chino Hills

The show was very informative and entertaining. The two actors were well prepared and seemed to be enjoying themselves. I will mention however that a few of the "accents" used by the female were difficult at times to understand. (Kids were turning to me and saying "Huh? What did she say?") Other than that JOB WELL DONE!!!! Come back again!

Laura Schlerf, 1st grade teacher, Butterfield Ranch Elementary, Chino Hills, CA

You also need a column for N/A! I am a strong proponent of children's live theater. It can be a very rewarding experience. I know it is hard to learn two scripts and perform two different age groups. I watched the first - third grade assembly. I think you could improve the message by having the children repeat back more information to the actors. Your message needs to be more interactive for the younger audience. Less running around and more visual prompts so the children will verbalized what you want them to learn. The actors were believable especially the young lady with the varied voices. V. Stanger

Mrs. Stanger, RSP, Glenmeade Elem, Chino Hills, CA

I'm the Instricional Aide in the classroom so I did not receive the Teacher Guide. I thought the acting was one of the best and the students seemed to enjoy it too.

Bonnie McCool, SDC 4-6, Glenmeade Elementary, Chino Hills, CA

City of Chino Hills (continued)

THANK YOU.

Thompson teacher, 4 5 6 Special Ed/, Glenmeade Elementary, Chino Hills, CA

Thanks !

Carolyn Fredericks, 5th grade teacher, Wickman, Chino Hills, CA

I didn't receive printed material yet. The program was great and the actors were funny. I am already following their advice at home. Mr. Cline

dennis cline, 2nd grade teacher, rolling ridge, chino hills, CA

As always the program was wonderful! It engaged even the oldest students which can be a difficult task. My only suggestion would be to create a more complex workbook for the middle school age. Great job!

Andrea Ward, 7th grade teacher, Loving Savior Lutheran, Chino Hills, CA

I thought that this year's program and performers were excellent! They held the attention of the group better than the last time which can be difficult with middle school students. It was a fun way to present material that is quite relevant to the 6th grade state standards for science.

Stacy Hottinger, Middle School 6th-8th, Loving Savior Lutheran School, Chino Hills, CA

The children enjoy the presentation and it is good to reinforce the concepts in a more unique way than just in the classroom. thank you

Lynda Sherburn, Kindergarten teacher, Loving Savior Lutheran School, Chino Hills, CA

High energy...what a great way to learn! Would like to see other subjects introduced to students in this manner.

Debra Shuler, Special Ed. (all grades), Litel Elementary, Chino Hills, CA

Cucamonga Valley Water District

We don't have the printed materials yet. I think they are being counted out so we should have them by the end of the day. I rated them based on what we have received in the past when we have had this assembly. Keep up the good work!

Ruth Cook, 2nd grade teacher, Carnelian, Alta Loma, CA

I appreciated that the actors were not too silly. They did a fantastic job holding the kids attention communicating clearly and working with the random things kids say sometimes.

Ruth Sorenson, Kindergarten teacher, Carnelian, Alta Loma, CA

Entertaining and informational. Thank you for teaching a tough topic in an enjoyable way.

Ellen Campbell, 4th grade teacher, Carnelian, Alta Loma, CA

Great actors. Really kept the students' attention. Fun for me too :-)

April Clark, 5th grade teacher, Caryn Elementary, Alta Loma, CA

Cucamonga Valley Water District (continued)

Highly entertaining and educational. The place where the play was done had inadequate lighting. It would have been better on the stage I think. I liked the interactive parts that the students participated in. Great costuming to keep their attention. It was great!

Joan Goedel, 2nd grade teacher, Floyd M. Stork Elementary, Alta Loma, CA

Great job keeping the interest of the students!

Serina Pinedo, 6th grade teacher, Victoria Groves Elementary, Alta Loma, CA

The actors Ryan (Brian) and Nicole were superb! They were funny connected with the audience and kept all students actively involved. Thanks for this opportunity to have them at our school. A suggestion on a very important way all kids can save gallons and gallons of water is to soap their hands with the liquid soap available every where nowadays and then turn on the faucet to rinse. No need to have the water running while they are soaping their hands!

Christel Pretorius, Assistant Principal, Victoria Groves Elementary, Alta Loma, CA

I thought the program was good...the actors were great and they held the attention of the students. However we have seen programs in the past that were more appropriate for the grade level and actually showed the students how the water cycle works. It was more live action than theater.

Stacy Harrell, 5th grade teacher, Victoria Groves Elementary, Alta Loma, CA

Wonderful program - excited the kids and the actors were wonderful!

Diane Lee, 2nd grade teacher, Victoria Groves Elementary, Alta Loma, CA

The actors kept the students interest. The students enjoyed the performance and this also was a follow-up of what we were learning in class about conserving water usage.

Sylvia Smith, 2nd grade teacher, Windrows, Etiwanda, CA

Great actors! The students really enjoyed hearing about the importance of water conservation!

Mika Grace, 4th grade teacher, West Heritage, Fontana, CA

Thank you for coming to our school! The kids loved it!

Miss Kordich, 4th grade teacher, West Heritage Elementary, Fontana, CA

The students enjoyed the performance!

Daniela McKeown, 3rd grade teacher, Sacred Heart School, Rancho Cucamonga, CA

Good Job!

Rob Austin, 5th grade teacher, Caryn, Rancho Cucamonga, CA

fast paced fun presentation stimulated student interest/participation

Elaine Young, 4th/5th grade teacher, Caryn Elementary, Rancho Cucamonga, CA

The two performers were magnificent. They were engaging and very professional.

Julie Hilberg, Principal, Caryn Elementary, Rancho Cucamonga, CA

Cucamonga Valley Water District (continued)

My class really enjoyed the performance. I will check with the office to see if we got the printed material. They might have just forgot to pass it out. Thank you so much for your hard work!

Kimberly Madden, 3rd grade teacher, Cucamonga Elementary, Rancho Cucamonga, CA

Great performance kept the students attention.

Mary Rodriguez, Kindergarten teacher, Cucamonga elementary school, Rancho cucamonga, CA

Children loved it and were able to return to class for a great discussion.

Mercy Trujillo, 1st grade teacher, Sacred Heart School, Rancho Cucamonga, CA

Great job! My students really enjoyed the lesson today and were excited to tell their families all about it!

Kristin Aleman, 1st grade teacher, Alta Loma Elementary, Alta Loma, CA

I am a substitute teacher and I thoroughly enjoyed the performance however I do not have access to the curriculum because I will not be following the class for a long period of time. The classroom teacher did not have the curriculum available for me to review or use in the plans during my stay with class. This is why I rated as I did. The survey did not allow for me to reply with N/A or don't know.

Michelle Daleiden, 2nd grade teacher, Alta Loma Elementary School, Alta Loma, CA

The students REALLY enjoyed the show! The teacher's were laughing too great job!

3rd grade teacher, Bear Gulch, Rancho Cucamonga, CA

Thanks for a great performance on the importance of not wasting water!!!

Rebeca McGuigan, 2nd grade teacher, Bear Gulch Elementary, Rancho Cucamonga, CA

Fontana Water Company

The actors were very good but could barely hear the female actor. The students in the back were straining to hear the actress. Recommend using microphones. Great information for the students to hear.

Theresa Litwinski, 2nd grade teacher, Randall Pepper Elementary, Fontana, CA

The actors voices did not project as well as last year's -- it was difficult to hear even when the students were quiet (and they were). Thank you for bringing attention to this topic.

Kathy Coburn, 1st grade teacher, Randall-Pepper Elementary, Fontana, CA

It was a great show! I believe that the upper grades need a different type of teatrical performance. When I taught first grade the students were all engaged and focused throughout the performances. As a sixth grade teacher the students have a different attitude and do not seem to pay too much attention to the actual meaning of the show. The one thing they kept talking about was the Katy Perry song while brushing his teeth. Overall I thought that it was well thought out and performed it just needs something else to grab the attention of older students. (5th-6th graders)

Cynthia, 6th grade teacher, Citrus Elementary School, Fontana, CA

Fontana Water Company (continued)

Great performance! The presenters were great and the students were engaged at all times! The lesson was very informative in a fun way. Thank you!

Connie Takemoto, 6th grade teacher, Citrus Elementary, Fontana, CA

The actors did a great job to motivate and involve the students in the lesson on water conservation.

Great job! I wish we had more programs like this to involve the students in drama type education it was so much fun for them.

Terri, 2nd grade teacher, Poplar, Fontana, CA

Thank You. My Kindergarteners really enjoyed the program

Kim Huwald, Kindergarten teacher, Poplar Elementary, Fontana, CA

Loved the humor or maybe humour as the case may be! Great topical vocabulary along with academic vocabulary! Easy for kids to relate to yet I loved the adult humor! That's always the best presentations. I loved that the information was not "dummied down" for the younger students. Also the bilingual aspect was very valuable to those students. That was the first "assembly" I've attended in many years of teaching that had actors actually take the time to speak Spanish for those students. I think you got them all engaged with that! Way to go! Thanks for the photo op too I'm working on sending it to you—it might be in a couple of days.

Altman, 1st grade teacher, Citrus Elementary, Fontana, CA

The presenters need wireless microphones and portable amp system. Thank you to the presenter well done they kept the students engaged.

Nancy T. Banales, Kindergarten teacher, Poplar Elementary School, Fontana, CA

They did an excellent job. The kids were engaged the entire time.

Julie Hansberger, 2nd grade teacher, Poplar Elementary, Fontana, CA

Teaching time is so precious that when we go to assemblies I want them to be amazing. The Aqua League in the Amnesia Adventure did not dissappoint! My students were so engaged and excited to be there. Matt and Jamie were fantastic. They were so energetic and fun. I was very impressed overall. We were able to come back to the classroom and have a great discussion based on what we learned. Thank you so much! I look forward to more assemblies like this!

Katie Knecht, Kindergarten teacher, Oleander Elementary, Fontana, CA

Well done but need microphones.

Chris Ward, 4th grade teacher, Oleander, fontana, CA

The presenters were entertaining and did a great job presenting the information in a fun and creative way. I believe it is crucial to educate our students about the importance of water conservation. Students enjoyed the assembly!

Sylvia Aldridge, 3rd grade teacher, Oleander Elementary School, Fontana, CA

It was great and very funny. The kids really liked it and it was enjoyable for teachers to watch as well.

Virginia Osgood, 3rd grade teacher, oleander elementary, fontana, CA

Fontana Water Company (continued)

I sent home the workbooks last week without realizing that we were having an assembly. I would have worked on them in class if I had known ahead of time. Thank You!

Cynthia Quinto, 3rd grade teacher, Shadow Hills, Fontana, CA

I think the program was fabulous! It was very entertaining and held the kids attention yet very informative and educational. The actor and actress did a great job. I hope they can come back to our school next year!

Susan Preciado, 4th grade teacher, Shadow Hills Elementary, Fontana, CA

Wonderful! The students were actively involved and delighted. The actors were adorable and the show moved along at a perfect pace.

Christine Munsterman, 2nd grade teacher, Shadow Hills, Fontana, CA

Excellent job superb for teachers quick pace so it kept the students interest and the action delivered the message.

Cheryl Caney, 5th grade teacher, Shadow Hills, Fontana, CA

It was absolutely wonderful. My students were riveted by the actors and it was a great learning experience. Some suggestions; It was a little over the heads of my second graders. It may help if students understood 'amnesia' better. The majority of second graders don't know the word especially as we have so many English language learners. When the actors are saying 'amnesia ray' it sounds like one word. They don't know what a ray is. Maybe if you added the word gun it would help 'amnesia ray-gun' or point to your head when you say 'amnesia' and point to the ray when you say 'ray'. It would help the students if the speakers speak slower so they can process the information. When the girl is speaking especially with her many different accents it would be great if she would pronounce each word separately. She tends to go fast and it's a little hard to understand even for me. Most students don't understand the word 'leak'. If you explained with 'drip drip' that might help. I hope I'm not being too critical. The play was a huge asset to our curriculum and a wonderful learning experience!

Jacque Gladney, 2nd grade teacher, Citrus Elem, Fontana, CA

Notes from my class: It was exciting. Good actors. The story was good. It was funny. I liked the costumes that they had. It was educational. They were great actors. I liked their accents. It was entertaining. It was hilarious. I liked the whole show. They made it fun to watch.

Wendy Shapard, 5th grade teacher, Live Oak, Fontana, CA

Monte Vista Water District

I liked last year's performance better

Veronika Dizon, 3rd grade teacher, Newman Elementary, Chino, CA

We love having this assembly at our school each year. The students really enjoy the actors and their ability to make them laugh while they are learning. Thank you for bringing this wonderful assembly to our school free of charge!!

Lisa Wilson, 1st grade teacher, Newman Elementary, Chino, CA

Monte Vista Water District (continued)

Actors were great and very entertaining!

Joanne King, 5th grade teacher, Newman Elementary, Chino, CA

Very entertaining....students were engaged and had a great time.

Mrs. Albers, 6th grade teacher, Newman Elementary, Chino, CA

The workbooks are a bit simplistic for 6th graders. Thanks for the show!

Rhonda De Bie, 6th grade teacher, Newman Elementary, Chino, CA

I look forward to this assembly each year. The kids love it and it gets them excited about the subject! I think its a wonderful way to teach conservation. Thank you!

Denise Pettinger, Kindergarten teacher, Newman Elementary, Chino, CA

My students were actively involved in the play and really enjoyed learning! They enjoyed the curriculum and were excited to take it home and share it with their families.

Peggy Missildine, 5th grade teacher, Newman Elementary, Chino Hills, CA

The actors did a wonderful job even under less than ideal time constraints. We all enjoyed the performance.

Judy Carrasco, 1st grade teacher, Ramona Elementary, Montclair, CA

City of Ontario

The actors did a great job and held the children's attention on the subject of Water Conservation.

Mrs. Greenbeck, 1st grade teacher, Hawthorne Elementary, Ontario, CA

Very entertaining and kept the students and teachers engaged.

Marcia Parga, 4th grade teacher, Levi Dickey, Ontario, CA

They did a great job!!! Thank you!

Kathy Nash, Principal, Levi Dickey Elementary, Ontario, CA

Excellent performance! The students really enjoyed it. I think adding a third actor would enhance the performance!

Kathleen Duran, 6th grade teacher, Levi Dickey Elementary School, Ontario, CA

The students were very engaged with the actors especially when one of our students was asked to assist with the end of the play. The actors voices were a little hard to hear since the air conditioning was on in the room but they did a great job otherwise. We are looking forward to having another performance next year! It would be really great if we had the opportunity to have performances with other themes done in our area as well.

Jennifer Alvarez, 4th grade teacher, Sultana Elementary, Ontario, CA

The kids were so excited! I think a number of things contributed to that: the preparation of the actors their professionalism combined with the enthusiasm that connected with our 4th grade students.

Anne Michaelson, Principal, Sultana Elementary School, Ontario, CA

City of Ontario (continued)

The students had a wonderful time. The actors were very good. The man handled the student performer very well.

Tom Henley, 4th grade teacher, Sultana, Sultana, CA

Very funny and entertaining

Jen Cary, 5th grade teacher, Berlyn Elementary, Ontario, CA

I was happy to see how engaged and entertained my sixth graders were during the presentation. It is rare that my older students enjoy the same programs as the younger kids. Thank you.

Corianna Okada-Rowe, 6th grade teacher, Berlyn Elementary School, Ontario, CA

I haven't picked up the teacher's guide or workbooks from the office yet but plan to do so and go over with the students. They loved the program. Great job!

Christine Wyatt, 6th grade teacher, Berlyn Ave Elementary, Ontario, CA

The students really loved it and just started to learn about that in Science so it will definitely stay with them. Thank you!

Olivia Goodale, 5th grade teacher, Berlyn Elementary, Ontario, CA

It would be nice if the actors wore a mic so we could hear them better.

kim Stokes, Kindergarten teacher, Berlyn, Ontario, CA

My students and I have enjoyed the presentation. Please just be aware about dismissal time when show is schedule before school is over. Thank you!

Ana Maria Boccolini, 3rd grade teacher, Berlyn Elementary, Ontario, CA

Ironic that someone forgot to pass materials on to me. I would have pre-taught vocabulary like amnesia. Other than that a very well presented and thought out performance. Our students are largely second language learners and the performers could be clearly understood by most due to acting skill combined with good use of visually engaging props. Also the team presented a good message on behalf of the water agency.

Dan Lundberg, 3rd grade teacher, Sultana Elementary, Ontario, CA

The students enjoyed both the live theater experience and learning about water conservation. The program is very worthwhile. Thank you.

Stuart Barnes, 2nd grade teacher, Sultana Elementary, Ontario, CA

They need to use microphones. It was hard to hear.

Heather Landis, 3rd grade teacher, Sultana, Ontario, CA

It was a fun aand engaging way to learn. Thank you.

Jody Gammage, 1st grade teacher, Sultana, Ontario, CA

Loved it!! Saw Water Pirates in years past. Loved that too! Keep up the fantastic work.

Terri Caldwell, Kindergarten teacher, Sultana Elementary School, Ontario, CA

My students really enjoyed the play. The actors new how to engage the students and hold their interest.

Mrs. Mora, 2nd grade teacher, Sultana, Ontario, CA

City of Ontario (continued)

The actors need to wear some type of microphone so they can project over the students. It was very difficult to hear the dialogue when the students were reacting to the actors. In an auditorium of 350 kids the voices were too low. Overall the the students enjoyed the show and learned much about water conservation but the ones in the back were distracted and talking since they could not hear.

MELISSA VALLE, Kindergarten teacher, EUCLID, ONTARIO, CA

they did a great job very well done

wayne bradley, 6th grade teacher, bon view, ontario, CA

I have always love the performance. the students really respond the the actors and I feel they really learn the material. Great Job!

SUE MEADOR, 3rd grade teacher, Creek View Elementary, Ontario, CA

The show was presented where the students could understand. My students told me that they enjoyed watching the show.

Kimberlee Hively, 3rd grade teacher, Del Norte, Ontario, CA

Great Job!!! Thanks so much!!!

Stephanie Liu, 3rd grade teacher, Del Norte Elementary, Ontario, CA

Very engaging for our 6th graders! Fabulous Job!

Amanda Howser, 6th grade teacher, Del Norte Elementary, Ontario, CA

Thank you. My students really enjoyed the presentation. It did spark conversation about water conservation. I would appreciate a bilingual parent survey (English/Spanish)if possible. Great job!

Juanita Mercer, 1st grade teacher, Del Norte Elementary, Ontario, CA

This was an excellent opportunity for our students. Due to budget situation we've had to eliminate field trips. Our students are largely from low socio-economic homes and most are also second language learners. Any supplemental activities we can provide like this are wonderful experiences for them. Many if not most of our students had never seen a "real actor" in person before. This will be a memorable experience for them. Thank you!

assistant principal, Del Norte Elementary, Ontario, CA

City of Upland

Very fun and quick way to present important information. Thank you!

Jennifer Brault, 6th grade teacher, Pepper Tree Elementary, Upland, CA

The show provided a great opportunity for students to learn about conservation. They also enjoyed working in the booklet before the presentation.

J. Wang, 3rd grade teacher, Pepper Tree Elementary School, Upland, CA

Overall it was terrific. The packet of materials was a little young for my fifth graders but I understand that you need to make it applicable to 3-5. Thank you!!!

Kelly Tolliver, 5th grade teacher, Pepper Tree Elementary, Upland, CA

It was a great performance! My students were interested and entertained. Thank you for coming to the school.

Pamela Glaspell, 2nd grade teacher, Pepper Tree, Upland, CA



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Final Schedule; 2010-11
Aqua League in The Amnesia Adventure



9/26/2010 - 10/7/2010		Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Schools
Inland Distributor	City of Chino Hills	9/27/2010	8:50 AM	9:45 AM		Butterfield Ranch Elementary	6350 Mystic Canyon, Chino Hills, CA 91709	650	20	2	1
	City of Ontario	9/28/2010	8:30 AM	9:30 AM		Levi Dickey Elementary School	2840 Parco Ave, Ontario, CA 91761	700	24	2	1
	Cucamonga Valley Water	9/28/2010	1:30 PM	2:05 PM		Caryn Elementary School	6290 Sierra Crest View Loop, Alta Loma, CA 91737	435	15	2	1
	City of Ontario	9/29/2010	1:45 PM			Sultana Elementary School	1845 S Sultana, Ontario, CA 91761	135	6	1	1
	Cucamonga Valley Water	9/30/2010	9:00 AM	10:00 AM		Windrows Elementary School	6855 Victoria Park Lane, Rancho Cucamonga, CA 91739	600	20	2	1
	City of Ontario	9/30/2010	2:00 PM			Hawthorne Elementary School	705 W Hawthorne, Ontario, CA 91762	330	11	1	1
	Cucamonga Valley Water	10/1/2010	10:30 AM			Jasper Elementary School	6881 Jasper St., Alta Loma, CA 91701	248	10	1	1
10/3/2010 - 10/16/2010		Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Schools
Inland Distributor	Cucamonga Valley Water	10/4/2010	8:15 AM	9:00 AM		Cucamonga Elementary School	8677 Archibald Ave., Rancho Cucamonga, CA 91730	520	-	2	1
	City of Ontario	10/4/2010	12:55 PM	1:30 PM		Arroyo Elementary School	1700 E 7th Street, Ontario, CA 91764	460	23	2	1
	Monte Vista Water District	10/5/2010	8:45 AM	9:35 AM	11:05 AM	Newman Elementary School	4150 Walnut Ave., Chino, CA 91710	910	35	3	2
	Monte Vista Water District	10/5/2010	3:30 PM			Gateway Montessori School	12818 East End Ave, Chino, CA 91710	40	2	1	1
	Cucamonga Valley Water	10/6/2010	8:45 AM	9:30 AM		Coyote Canyon Elementary School	7889 Elm Ave., Rancho Cucamonga, CA 91730	700	26	2	1
	City of Chino Hills	10/6/2010	1:30 PM	2:15 PM		Glenmeade Elementary	15000 Whirlaway, Chino Hills, CA 91709	660	23	2	1
	Cucamonga Valley Water	10/7/2010	12:30 PM	1:30 PM		Floyd M Stork Elem School	5646 Jasper St., Alta Loma, CA 91701	690	35	2	1
	City of Chino Hills	10/8/2010	8:15 AM			Eagle Canyon Elementary	13435 Eagle Canyon Dr., Chino Hills, CA 91709	200	26	1	1
10/16/2010 - 10/16/2010		Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Schools
Inland Distributor	Cucamonga Valley Water	10/11/2010	1:00 PM	1:45 PM		Carnelian Elementary School	7105 Carnelian St., Rancho Cucamonga, 91701	700	24	2	1
	City of Chino Public Works	10/13/2010	8:50 AM	9:35 AM	10:30 AM	Alicia Cortez Elementary School	12750 Carissa Ave., Chino, CA 91710	750	24	3	2
	Cucamonga Valley Water	10/15/2010	9:15 AM	10:15 AM		Sacred Heart School	12676 Foothill Blvd., Rancho Cucamonga, CA 91739	300	-	2	1
	City of Chino Hills	10/15/2010	2:00 PM			Wickman Elementary	16250 Pinehurst Drive, Chino Hills, CA 91709	155	8	1	1



**Final Schedule; 2010-11
Aqua League in The Amnesia Adventure**

A MUNICIPAL WATER DISTRICT

Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Schools
2/15/2011 - 2/17/2011									
Inland Distributor									
City of Chino Hills	2/7/2011	1:05 PM	1:45 PM -	Loving Savior Elementary School	14816 Peyton Dr., Chino Hills, CA 91709	150	11	2	1
Fontana Water Company	2/8/2011	8:30 AM	9:25 AM -	Shadow Hills Elementary School	14300 Shadow Drive, Fontana, CA 92337	535	19	2	1
Cucamonga Valley Water	2/10/2011	1:30 PM	2:15 PM -	Bear Gulch Elem School	8355 Bear Gulch Place, Rancho Cucamonga, CA 91730	550	20	2	1
2/13/2011 - 2/19/2011									
Inland Distributor									
City of Ontario	2/15/2011	10:40 AM	11:40 AM -	Euclid Elementary School	1120 S Euclid Ave, Ontario, CA 91762	590	30	2	1
City of Chino Public Works	2/16/2011	8:15 AM	9:00 AM -	St Margaret Mary School	12664 Central Ave., Chino, CA 91710	200	6	2	1
Fontana Water Company	2/17/2011	1:15 PM	1:55 PM	2:25 PM Live Oak Elementary School	9522 Live Oak Ave, Fontana, CA 92334	750	26	3	2
2/20/2011 - 2/26/2011									
Inland Distributor									
City of Ontario	2/24/2011	2:00 PM	2:35 PM -	Bon View Elementary School	2121 S Bon View Ave, Ontario, CA 91761	570	24	2	1
2/27/2011 - 3/5/2011									
Inland Distributor									
City of Ontario	3/1/2011	8:15 AM	9:00 AM	9:45 AM Del Norte Elementary School	850 N Del Norte Ave, Ontario, CA 91764	810	40	3	2
City of Ontario	3/1/2011	1:45 PM -	-	Creek View Elementary School	3742 Lyle Creek Loop, Ontario, CA 91761	105	5	1	1
3/6/2011 - 3/12/2011									
Inland Distributor									
City of Chino Hills	3/7/2011	1:05 PM	1:35 PM -	Gerald F Litel Elementary School	3425 Eucalyptus Ave, Chino Hills, CA 91709	550	21	2	1
City of Chino Hills	3/11/2011	1:15 PM	2:00 PM -	Oak Ridge Elementary School	15452 Valle Vista, Chino Hills, CA 91709	700	24	2	1
						24,344	948	96	52

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**Final Schedule; 2010-11
Aqua League in The Amnesia Adventure**



9/26/2010 - 10/7/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
9/27/2010	8:50 AM	9:45 AM	Butterfield Ranch Elementary	6350 Mystic Canyon, Chino Hills, CA 91709	650	20	2	1	
10/2010 - 10/9/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/6/2010	1:30 PM	2:15 PM	Glenmeade Elementary	15000 Whirlaway, Chino Hills, CA 91709	660	23	2	1	
10/8/2010	8:15 AM	-	Eagle Canyon Elementary	13435 Eagle Canyon Dr., Chino Hills, CA 91709	200	26	1	1	
10/2010 - 10/16/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/15/2010	2:00 PM	-	Wickman Elementary	16250 Pinehurst Drive, Chino Hills, CA 91709	155	8	1	1	
10/2010 - 11/6/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
11/5/2010	9:00 AM	9:45 AM	Rolling Ridge Elementary School	13677 Calle San Marcos, Chino Hills, CA 91709	560	28	2	1	
2011 - 2/12/2011		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
2/7/2011	1:05 PM	1:45 PM	Loving Savior Elementary School	14816 Peyton Dr., Chino Hills, CA 91709	150	11	2	1	
2011 - 3/12/2011		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
3/7/2011	1:05 PM	1:35 PM	Gerald F Litel Elementary School	3425 Eucalyptus Ave, Chino Hills, CA 91709	550	21	2	1	
3/11/2011	1:15 PM	2:00 PM	Oak Ridge Elementary School	15452 Valle Vista, Chino Hills, CA 91709	700	24	2	1	
						3,625	162	14	8

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Final Schedule; 2010-11
Aqua League in The Amnesia Adventure



Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Performances	Billable Schools
10/10/2010 - 10/16/2010									
10/13/2010	8:50 AM	9:35 AM	10:30 AM	Alicia Cortez Elementary School	12750 Carissa Ave., Chino, CA 91710	750	24	3	2
10/17/2010 - 10/23/2010									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Performances	Billable Schools
10/20/2010	1:40 PM	2:20 PM	-	Howard Cattle Elementary	13590 Cypress Ave., Chino, CA 91710	750	32	2	1
10/31/2010 - 11/6/2010									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Performances	Billable Schools
11/1/2010	10:30 AM	-	-	Chino Valley Christian School	4136 Riverside Dr, Chino, CA 91710-3173	145	11	1	1
2/13/2011 - 2/19/2011									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Performances	Billable Schools
2/16/2011	8:15 AM	9:00 AM	-	St Margaret Mary School	12664 Central Ave., Chino, CA 91710	200	6	2	1
						1,845	75	8	5

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**Cucamonga Valley
Water District**



Final Schedule; 2010-11

Aqua League in The Amnesia Adventure

9/26/2010 - 10/7/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
9/28/2010	1:30 PM	2:05 PM	Caryn Elementary School	6290 Sierra Crest View Loop, Alta Loma, CA	435	15	2	1	
9/30/2010	9:00 AM	10:00 AM	Windrows Elementary School	6855 Victoria Park Lane, Rancho Cucamonga,	600	20	2	1	
10/1/2010	10:30 AM	-	Jasper Elementary School	6881 Jasper St., Alta Loma, CA 91701	248	10	1	1	
10/3/2010 - 10/9/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/4/2010	8:15 AM	9:00 AM	Cucamonga Elementary School	8677 Archibald Ave., Rancho Cucamonga, CA	520	-	2	1	
10/6/2010	8:45 AM	9:30 AM	Coyote Canyon Elementary School	7889 Elm Ave., Rancho Cucamonga, CA	700	26	2	1	
10/7/2010	12:30 PM	1:30 PM	Floyd M Stork Elem School	5646 Jasper St., Alta Loma, CA 91701	690	35	2	1	
10/10/2010 - 10/16/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/11/2010	1:00 PM	1:45 PM	Carmelian Elementary School	7105 Carmelian St., Rancho Cucamonga,	700	24	2	1	
10/15/2010	9:15 AM	10:15 AM	Sacred Heart School	12676 Foothill Blvd., Rancho Cucamonga, CA	300	-	2	1	
10/17/2010 - 10/23/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/19/2010	9:00 AM	9:45 AM	West Heritage Elem School	13690 W. Constitution Way, Fontana, CA	175	21	2	1	
10/24/2010 - 10/30/2010		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/29/2010	8:45 AM	9:30 AM	Victoria Groves Elementary	10950 Emerson Street, Alta Loma, CA 91701	560	23	2	1	
10/31/2010 - 11/6/2010	Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools	
11/4/2010	1:15 PM	2:00 PM	Alta Loma Elementary School	7085 Amethyst Ave., Alta Loma, CA 91701	500	18	2	1	
2/6/2011 - 2/12/2011		Time-1	Time-2	School Name	School Address	Students	Teachers	Shows	Billable Schools
2/10/2011	1:30 PM	2:15 PM	Bear Gulch Elem School	8355 Bear Gulch Place, Rancho Cucamonga,	550	20	2	1	
						5,978	212	23	12

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**Final Schedule; 2010-11
Aqua League in The Amnesia Adventure**



10/24/2010 - 10/30/2010			11/23/2011 - 1/29/2011			2/6/2011 - 2/12/2011			2/13/2011 - 2/19/2011			2/17/2011					
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Students	Teachers	Shows	Students	Teachers	Shows	Students	Teachers	Shows
10/29/2010	1:10 PM	1:50 PM	-	Randall Pepper Elem School	16613 Randall Ave, Fontana, CA 92334	770	26	2	770	26	2	770	26	2	770	26	2
1/24/2011	7:45 AM	8:30 AM	9:15 AM	Citrus Elementary School	16041 Randall Ave, Fontana, CA 92335	831	25	3	831	25	3	831	25	3	831	25	3
1/24/2011	1:30 PM	2:10 PM	-	Poplar Elementary School	9937 Poplar Ave, Fontana, CA 92335	400	17	2	400	17	2	400	17	2	400	17	2
1/26/2011	9:00 AM	9:40 AM	10:15 AM	Oleander Elementary School	8650 Oleander St., Fontana, CA 92335	900	-	3	900	-	3	900	-	3	900	-	3
2/8/2011	8:30 AM	9:25 AM	-	Shadow Hills Elementary School	14300 Shadow Drive, Fontana, CA 92337	535	19	2	535	19	2	535	19	2	535	19	2
2/17/2011	1:15 PM	1:55 PM	2:25 PM	Live Oak Elementary School	9522 Live Oak Ave, Fontana, CA 92334	750	26	3	750	26	3	750	26	3	750	26	3
						4,186	113	15	4,186	113	15	4,186	113	15	4,186	113	15

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**Final Schedule: 2010-11
Aqua League in The Amnesia Adventure**



Display	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
9/26/2010 - 10/7/2010									
10/5/2010	8:45 AM	9:35 AM	11:05 AM	Newman Elementary School	4150 Walnut Ave., Chino, CA 91710	910	35	3	2
10/5/2010	3:30 PM	-	-	Gateway Montessori School	12818 East End Ave, Chino, CA 91710	40	2	1	1
10/17/2010 - 10/23/2010									
Display	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/22/2010	1:15 PM	2:00 PM	-	Monte Vista Elementary School	4900 Orchard St., Montclair, CA 91763	700	30	2	1
10/24/2010 - 10/30/2010									
Display	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/28/2010	12:50 PM	1:25 PM	-	Moreno Elementary School	4825 Moreno St., Montclair, CA 91763	585	27	2	1
10/31/2010 - 11/6/2010									
Display	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
11/5/2010	12:50 PM	1:30 PM	-	Ramona Elementary School	4225 Howard St., Montclair, CA 91763	705	35	2	1
						2,940	129	10	6

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**Final Schedule; 2010-11
Aqua League in The Amnesia Adventure**



Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
9/26/2010 - 10/7/2010									
9/28/2010	8:30 AM	9:30 AM	-	Levi Dickey Elementary School	2840 Parco Ave, Ontario, CA 91761	700	24	2	1
9/29/2010	1:45 PM	-	-	Sultana Elementary School	1845 S Sultana, Ontario, CA 91761	135	6	1	1
9/30/2010	2:00 PM	-	-	Hawthorne Elementary School	705 W Hawthorne, Ontario, CA 91762	330	11	1	1
10/3/2010 - 10/9/2010									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
10/4/2010	12:55 PM	1:30 PM	-	Arroyo Elementary School	1700 E 7th Street, Ontario, CA 91764	460	23	2	1
10/31/2010 - 11/6/2010									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
11/3/2010	1:30 PM	2:10 PM	-	Berlyn Avenue Elementary School	1320 N Berlyn Ave, Ontario, CA 91764	700	35	2	1
1/30/2011 - 2/5/2011									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
2/1/2011	8:30 AM	9:10 AM	-	Sultana Elementary School	1845 S Sultana, Ontario, CA 91761	500	24	2	1
2/13/2011 - 2/19/2011									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
2/15/2011	10:40 AM	11:40 AM	-	Euclid Elementary School	1120 S Euclid Ave, Ontario, CA 91762	590	30	2	1
2/20/2011 - 2/26/2011									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
2/24/2011	2:00 PM	2:35 PM	-	Bon View Elementary School	2121 S Bon View Ave, Ontario, CA 91761	670	24	2	1
2/27/2011 - 3/5/2011									
Date	Time-1	Time-2	Time-3	School Name	School Address	Students	Teachers	Shows	Billable Schools
3/1/2011	8:15 AM	9:00 AM	9:45 AM	Del Norte Elementary School	850 N Del Norte Ave, Ontario, CA 91764	810	40	3	2
3/1/2011	1:45 PM	-	-	Creek View Elementary School	3742 Lytle Creek Loop, Ontario, CA 91761	105	5	1	1
						5,000	222	18	11

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**Final Schedule; 2010-11
Aqua League in The Amnesia Adventure**



1/23/2011 - 1/29/2011									
Date	Time-1	Time-2	School Name	School Address	Students	Shows	Billable Schools		
1/27/2011	9:00 AM	10:10 AM	Pepper Tree Elementary School	1045 W. 18th St., Upland, CA 91784	770	2	1		
					770	2	1		

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Garden In Every School

FY 2010-2011

You're Invited!

Garden in Every School®

Grant Application Workshop

RSVP to Andrew Kanzler
909.993.1897
akanzler@ieua.org



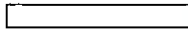
The workshop will provide a brief overview of the program including its mission, requirements, and deadlines as well as ideas from past participants

Attendance at this workshop is mandatory for those interested in the 2011-2012 Garden in Every School® Program

Saturday February 26, 2011
9:00 am - 12:00 pm



Inland Empire Utilities Agency
Building B, Event Room
6075 Kimball Ave., Chino CA



Garden in Every School - IEUA

The GIES program aims to educate K-12 school-age children, families, staff, and community members about wise water usage through school gardens. Gardens are coordinated with state-aligned curriculum materials. Follow our blog as we visit gardens throughout the community, provide tips to educators and parents, and install new gardens in schools. "Garden in Every School" is a registered trademark of the National Gardening Association.

[The Blog](#) | [Background and History](#) | [More Information and How to Apply](#)



THURSDAY, SEPTEMBER 8, 2011

Upland High is moving fast!



A lot has been going on underground. Irrigation boxes hint to the work that was completed.



Brand new valves, pressure regulators and filters connecting to the new HDPE irrigation lines.



WATCH OUR GARDENS GROW.

[Photos](#)

[All Comments](#)



BLOG ARCHIVE

▼ 2011 (22)

▼ September (3)

[Upland High is moving fast!](#)

[Upland High Garden getting things started.](#)

[Redmond Parks in Use!](#)

► August (7)

► July (8)

► June (4)



CATEGORIES

• [2010-2011 Schools](#) (2)

• [2011-2012 Schools](#) (5)

• [Curriculum Tips](#) (6)

• [Garden Tips](#) (7)



MY BLOG LIST

[China Creek Wetlands and Educational Park](#)
EdGarden from WWVA
2 days ago



ORGANIZATIONAL LINKS

• [Inland Empire Utilities Agency](#)

• [Local Operating Corporation](#)





Underground Irrigation is IN! Next on the list are vegetable beds.

Posted by [Annie Watson](#) on [September 2, 2011](#) [0 comments](#) [✎](#)

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CONTRIBUTORS

- [Andrew](#)
- [Liz](#)

FRIDAY, SEPTEMBER 2, 2011

Upland High Garden: getting things started.

Upland High began work on their garden today. We used tractors and volunteer students for a majority of the labor



Here is one of the tractors being used and students working in the background.



Here is Jennifer Mc Adams taking one of the tractors for a spin, she is the teacher who applied for the grant



Here she is again taking the larger tractor for a spin.

We have been spending the day removing turf, and I will be going back to spend some more time out there removing some more turf. Meanwhile Rick Ablez and his crew is getting water to us so that we can get irrigation in next week.

Posted by [Leshawna](#) at 1:04 PM [0 comments](#)

THURSDAY, SEPTEMBER 1, 2011

Redeemer's Fence is Up!

Check out the fence and entryway that Redeemer put up last week.



It was a great choice for a fence. It's tall enough to keep little ones out, but it is also short enough and well designed so that it does not make the garden feel caged in. (There's male one picking some tomatoes for the school kids' lunch that day)



On the other side a hedge is also used as a natural border instead of continuing the fence. This also gives it a sense of openness on this side of the garden.

Posted by [Leshawna](#) at 1:00 PM [0 comments](#)

TUESDAY, AUGUST 23, 2011

Back to School! Things are starting to move!

Now that school is back in session, I have been meeting with all our schools for this year. I've

already met with Upland High, Los Osos High, Monte Vista, and as you all know Redeemer Lutheran.

Everyone seems excited to get going and I'm excited to get working on some gardens. I'm currently working on a design for Upland High, tomorrow I'll be visiting Los Osos High to start a design, and on Thursday, I'll be revisiting Rancho Cucamonga High to see how they are doing.

Now that we're back in school, things are going to start getting really busy!

Posted by Amber at 4:55 PM 0 comments

FRIDAY, AUGUST 19, 2011

Others Doing Great Work

I recently took a trip out to the Bay Area and I was reminded of Alice Waters. She is a role model for a lot of folks interested in doing gardens in Schools. She is a chef and an author as well, so if you are from that area and have happened upon our blog. She would be a local hero for the Bay.

Another local hero for the Inland Empire and Greater LA area is Rick Cola. He is the Director of Nutrition Services for Claremont Unified School District. While he is outside our service area, if you want to see some other examples of great gardens being used for great purposes, the central kitchen of the district has a garden and even chickens! Rick had even played around with the idea of getting goats for milk. Rick is a good friend of mine and a very friendly and easy going guy. His gardens were done with the help of Cal Poly Pomona and the Claremont Universities. I'll be giving you more on those programs later.

Visit their websites, and you'll see some of the great things they are doing. I'm going to have to bug Rick about updating his website for the new school year.

Posted by Amber at 4:55 PM 0 comments

THURSDAY, AUGUST 11, 2011

Choosing a Fence for Redeemer

Over at Redeemer we had a meeting to discuss the fence that they'd like to have around their vegetable bed area. You might remember the post we did about whether to have a fence or not. Here are the two choices of fences we were deciding on. There are benefits to both and downsides to both. The shorter lattice type fence makes a great border that suggests that one should not cross over it. The taller one actually keeps folks out, but isn't so tall as to make it feel caged in. It is still low enough to be able to get a nice view of the garden. The taller fence is MUCH more expensive and in this case will cost just over a thousand dollars. The shorter border fence would have cost about 100 dollars.



We decided to go with the taller picket fence. The shorter one seemed a bit weak when put in the ground and didn't create a strong enough separation. Redeemer fortunately has plenty of room in their budget due to many of their trees being donated.

Posted by Jennifer at 8:44 AM 0 comments

TUESDAY, AUGUST 9, 2011

Starting a new garden at Upland High School

Today I went and visited Jennifer McAdams at Upland high school to discuss the future of her garden. Currently, there is turf and three crape myrtle trees. So we'll be saving a ton of water.



The school already has a garden. But it gets too much shade from a giant Eucalyptus tree.



They have a few vegetable beds of different sizes.




And also their own compost piles.



And a drought tolerant garden that a different teacher is in charge of.



Over the next week I'll be designing a plan for Jennifer's garden. I'll have her take a look at it and then if she likes it we'll move on to the irrigation portion.

Posted by Jennifer at 12:14 PM 0 comments 

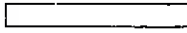
0

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The Blog Background and History More Information and How to Apply



THURSDAY, AUGUST 4, 2011

Compost Bins and Kids

Redeemer requested a compost bin for their garden, and I think that is a wonderful idea. Teaching kids about compost is a great lesson in science. It can be one of the first lessons to teach kids about ecology and the importance of life cycles, symbiotic relationships, and also insects and bacterium. There are even books for teaching kids about compost.

A great book for teaching kids about compost is "Worms Eat Our Garbage." It's also great for adults learning about worm composting. Vermicomposting is one of the more interesting ways to teach kids about compost because they'll get to see worms eating the organic matter. In the end you'll also end up with some wonderful worm castings for your garden. [Here is a link to Washington State University's guide to creating a cheap and easy worm bin.](#)



WSU's Cheap and Easy Worm Bin.

We'll be giving Redeemer a regular composting bin that doesn't take advantage of worms so much, but rather microorganisms and small insects to break down the organic matter. We'll likely be giving them a bin similar to the one below. These bins can be ordered at your local hardware or garden store.



WATCH OUR GARDENS GROW.

Photos

All Comments



BLOG ARCHIVE

▼ 2011 (22)

► September (3)

▼ August (7)

[Back to School! Things are starting to move!](#)

[Gotta Do a Great Work!](#)

[Choosing a Name for Redeemer](#)

[Starting a new garden at Inland High School](#)

[Compost Bins and Kids](#)

[Fruits Ripening in Our Demonstration Garden](#)

[Meddle? What's a Medlar? A Forgotten Fruit.](#)

► July (8)

► June (4)



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• 2010-2011 Schools (2)

• 2011-2012 Schools (5)

• Curriculum Tips (6)

• Garden Tips (7)



MY BLOG LIST

Climo Creek Wetlands and Educational Park
Ego/Strawd Prom @ EWAC



Compost Bin That Rolls on a Platform

These bins are very easy to use because they roll and tumble on a platform, there is no need to manually turn your compost with a pitch fork, which can sometimes be very laborious. My compost piles at home are made of old pallets, to form a box, and when it's time to turn the compost it's not the most fun. The benefit of pallet compost bins, is that they are cheap and often free. So if your school is strapped for cash, and you want a compost pile, this is the way to go. Here is a link to some nice pallet compost bins with some additional links on how to build one: readsimple.com. Here is also a link on how to make the simplest of pallet compost bins, like the ones below from livingoffthegrid.com. You can always have the kids help make the bins and be in charge of turning the piles.



Livingoffthegrid.com's pallet compost bins.

Shared by [Jody](#) on 8/11/11 at 11:08 AM • 0 comments •

Labels: [compost](#) [Seeds](#) [Carrots](#) [tips](#) [Garden Tips](#)

TUESDAY, AUGUST 2, 2011

Fruits Ripening in Our Demonstration Garden

Remember the potatoes and grapes from a few weeks back when we talked about growing fruit and saving water? Well the exact same fruits from before are beginning to ripen and the critters still haven't gotten to them! Take a look.

2 days ago



ORGANIZATIONAL LINKS

- [Inland Empire Utilities Agency](#)
- [Irvine Operating Corporation](#)

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CONTRIBUTORS

- [Andrew](#)
- [Lisa](#)



Beautiful bright red pomegranates

There are going to be a LOT of grapes this year. I love that color contrast.



Wine grapes, some ripe, some not. (Nooo, we aren't making any wine.)

And then there is this funny looking pomegranate. I had to share this, it's growing sideways, instead of the stem being on the opposite end of where the flower was, it is on the side. So strange.



Looks like a duck, or a rabbit.

Posted by [Garden in Every School](#) at 10:11 PM 0 comments

MONDAY, AUGUST 1, 2011

Medlar? What's a Medlar? A Forgotten Fruit.

A Medlar is a pome fruit native to areas surrounding the Black Sea, which is attached to the Mediterranean sea. That means that the Medlar is a great fruit tree to plant in our Mediterranean climate, it will save you water. Medlars do need a period of frost that we don't have, however they don't need it to fruit or to start growing from a deciduous period, they need that period of frost for the fruits to become bletted. Bletting is what happens to a fruit when it has become over ripe. Think of Bananas when they are ready for banana bread, or Persimmons when they are soft and no longer astringent. Medlars that haven't been frozen or haven't gone through a frost period will often be hard, I have heard that if you keep them long enough, they won't need to be frozen or go

through a frost period, but I haven't tried that yet.



In the demo garden, the other side of this medlar has been eaten.

This is a medlar just forming that we have growing in our demonstration garden. Last year we had some but, because of all the wildlife in our park I never have a chance to pick them before the squirrels or bugs get to them. If I'm lucky I'll get the chance to try some this year. I've been told that they have the same consistency and taste of apple sauce, which sounds good to me.



Just missed the bloom, but it's still kind of pretty in that wabi-cabi rustic way.

Here is a picture of a dying bloom. I just missed the bloom by a couple of days, I'll need to time it better next time. The flowers are generally white and actually quite pretty.

The term "medlar" was often used in English literature to describe people negatively. The reason is because medlars need to blett in order to become good. So when someone was called a medlar it was like saying that they are only good when they are rotten. It is quite likely that this is what caused the medlar to lose its popularity as a quality fruit. A similar trend was seen recently with prunes and its relationship with digestion (you'll often see prunes sold as dried plums in order to get away from that stigma).

Medlars were once very popular to new immigrants in America. Eastern and northern Europeans brought the trees with them to the U.S. and for some time were a staple. Eventually they lost popularity in the United States. There are some relatively new Medlar farms in California's valleys so hopefully you may get to see them in stores some time soon. People don't seem to be calling each other medlars anymore (meddler maybe) so they may make a comeback. Interestingly, they have never lost popularity in the middle east in eastern Europe.

The great thing about having your own garden, whether it is at home or at school, is that you get a chance to grow some uncommon foods. I enjoy being able to share medlars with new gardeners as a new fruit that can save space (they only get to be about 10 feet tall), have a beautiful bloom, and provide a delicious fruit. If you want to grow these you'll need to special order them as haven't found them in any local nurseries.

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THURSDAY, JULY 28, 2011

To Fence or Not to Fence Your School Garden.

We often receive questions about having fences around school gardens. Most often teachers or parents ask us about fence because there is a concern for playing kids trampling plants or disturbing irrigation systems or a concern for vandals causing some damage to the garden. These are quite legitimate concerns but there are also some good reasons why a fence in a school garden may be a bad idea.



Sometimes a fenced in garden can seem like a good idea.
Here is a school we did that even had a fence on top.
The top fence can be a good idea to keep out critters,
but it'd make more sense to put some chicken wire over
individual boxes.

In some cases, a fenced in garden becomes more of a hassle to deal with rather than something to help keep the garden in shape. A fence with a lock can become a nuisance because there may only be a small number of keys. While one person may have the key someone else may want to spend time working on the garden. At some point for some people it may just become too much to deal with to organize obtaining the key for some small simple tasks. A tall fence can make the garden feel like it is caged in and separate from the rest of the campus. When that occurs the garden can often fall to the wayside and become either overgrown or a wasteland of dirt.



But after some time these fenced in gardens become forgotten.
This is the same school a few years later. You can't even see the
vegetable boxes anymore and it's difficult to walk in.

Fences aren't always a bad idea. Low fences to help indicate where it is appropriate to play or not play can be helpful to gardens.



North Tamarind has been able to keep a fenced in garden looking nice.

High fences can even work if you have the right kind of dedication to your garden. Sometimes high fences are needed to keep out the wild bouncing balls. (Sometimes even a high fence can't keep the occasional ball out as I experienced at Briggs.)




Briggs Elementary may have a high fence, but a dedicated class works in the garden at least once a week.

Fences don't always need to be chain link though, a simple short wood fence to create a boundary also does the trick. If you have a fence that relates to the theme can be used as well. For our grants, if you can provide the labor in volunteers, we can provide the materials and expertise.



This fence at Ranch View Elementary is a beautiful one that follows the theme of their garden. If I'm not mistaken, this was installed at the same time the garden was installed.

This afternoon I'll be visiting with Redeemer to discuss fencing around their vegetable bed area. They'd like to create a sense of a boundary to remind folks to try to avoid playing in the area. Everyone agrees a low fence is the way to go, we'll just need to decide how low we want to go and what kind of look they want to go with.

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TUESDAY, JULY 26, 2011

Redeemer's Garden Update

I just received an e-mail from Maleene at Redeemer and she sent me a photo of her green bell peppers which she harvested this morning. Her kids had a chance to eat them right off the vine.



She also sent me a picture of the garden as it looks today (also a different angle than what I've been sharing). As you can see the corn is just shooting up.



Posted by Andrew Armstrong, PM 1 comment

THURSDAY, JULY 21, 2011

Curriculum Resources

For a lot of teachers, finding curriculum resources and texts can be problematic. Fortunately there are a some texts available online for free.

The California School Garden Network has a book that I use often available to download from their site for free. It's called "Gardens for Learning: Creating and Sustaining Your School Garden." It's great if you have an e-reader or a tablet (it's in color) as you can just keep it on file and use it whenever you need it. It's in a high enough quality to print also so if you are lucky enough to have the resources to make copies of your favorite pages, you can do so. This book has a lot of curriculum tips for all different kinds of subjects and garden tips to help you keep your garden alive.

The other is from the California Department of Education. It's called "A Child's Garden of Standards" and is available to download on their website as well. This book is more of a resource guide that provides tables divided up by grade level and indicates activities that can be found in a variety of instructional materials. It also indicates what standards these activities are under so that teaching standards can be met. There is a short description of the activities so if you can't afford the instructional materials that it cites, you may be able to figure out what the activity is.

Posted by Andrew Armstrong, PM 0 comments

TUESDAY, JULY 19, 2011

Progress at Redeemer

I've been doing some work over at Redeemer getting their irrigation all set for when the fruit trees arrive. I wanted to test the lines to make sure everything worked before moving forward and we found a number of leaks. Now these aren't just leaks like leaky faucets where you have a drip a second that could lose 2700 gallons a year, these leaks were flowing water, so we made sure to repair them with a slip fixes pictured here. Fortunately the water here had been shut off for some time. Unfortunately, Redeemer is a private school and does not have a staffed irrigation plumber. I was able to help them out here after work, we want them to conserve water and not waste it.



Slip fix used to repair some pipes at Redeemer

Now, where there was once asphalt that is now removed, there is no existing irrigation. So the plan is to continue the line all the way down to the end. Where the pipe ends there is a slope that causes the pipe to reach the surface, we are going to have to bury the pipe to make it deeper or set the pipe lower here. There is enough fill dirt available to bury the pipe instead of making it deeper, and because I'm worried about pressure loss I'd rather not make too many angles in the pipe. I'm using this High Density PolyEthylene (HDPE) pipe (the blue colored pipe) that is UV resistant to continue the line so it is safe being exposed to the surface, additionally, I am running it along a corner so it stays out of the way of a people walking by. It will likely be buried under at least a couple inches of soil and mulch anyways, but it's always best to play it safe.



Next step to connect the HDPE to the PVC

I am using this pipe for a number of reasons. The HDPE is more environmentally safe than PVC when exposed to UV, it is much faster to use saving me tons of time, and much cleaner, there are no chemical glues and primers needed to connect the fittings so I don't go home with purple fingers and there are no inevitable spills into the soil. Also because it is more flexible, there is less pressure loss when making soft curves rather than hard angles with traditional PVC. It also comes in rolls instead of long pieces like PVC, so it is easier to transport. The HDPE pipe has rigid walls and isn't to be confused with polyethylene drip tubing which is much more flexible and softer with no rigid walls (because it is low density). As you can see I have a long distance to go so reducing pressure loss is important. The down side to this HDPE blu-lock pipe is that since it is relatively new I have to make sure I order all the parts I need ahead of time, or I'll be stuck waiting. Also many fittings that are common for PVC pipe aren't yet made for this type of pipe so I have to make sure I know when it's appropriate to use Polyethylene vs. PVC.



A Bobcat, some HDPE pipe and a wall.

In that photo you can see the side of a Bobcat, Joe was also there moving some dirt around to make it easier to move around the pipe I had been working on. Tomorrow, Joe will be burying all the PVC and our next step is to wait for the trees that are being donated by Tom Spellman from Dave Wilson Nursery.



Tomatoes in their new cages.

Redeemer's Tomatoes are also growing quite well. At Maleene's request I brought over some tomato cages for them so that they have something to grow onto. Unfortunately The Home Depot has been sold out of the tall tomato cages for the past week so I wasn't able to supply them with those(it's that time of year where tomato cages go like hotcakes), but these will do fine for now.

Posted by Andrew at 12:01 PM 0 comments 

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THURSDAY, JULY 14, 2011

Weeding tip for dry gardens.

This year, there is probably a lot more weeding going on than normal due to all the rains. Even though the weather is drying up for the summer (minus today), weeds are still going strong because they've had the chance to establish themselves.

In our dryer than average climate, pulling weeds can be quite difficult when all the earth has hardened and dried up. So if you are still irrigating once a week or so, save the weeding for the day that you irrigate your plants. Wait about 30 minutes so that the water has time to soak into the ground and then start pulling the weeds. The wet soil should soften up the earth's grip on the roots and make pulling weeds a lot easier. Now, we want to remember to save water, so don't water just to pull weeds, wait for your scheduled irrigation day or, make a change to the schedule that suits you better. It's always best to irrigate very early in the morning or in the evening when it is cooler so that water doesn't evaporate, and make sure to have it go on when you are home so that you can check for leaks or any other issues that may be occurring.

Posted by Andrew at 1:30 PM 0 comments
Labels: Garden Tip

WEDNESDAY, JULY 13, 2011

Grapes and Pomegranates: Saving water while growing fruit.

In our demonstration garden at our headquarters we have a variety of grapes, and some pomegranate trees. Both of these fruits require very little to no water in our mediterranean climate. After all these fruits originated from the mediterranean area.



Pomegranates and Grapes in our demonstration garden.

Grapes were first cultivated in central Asia, the ancient Egyptians, Greeks, Phoenicians, and



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Romans were known to grow them domestically. There are a few species of grapes that are native to many different parts of the world. Quite a few are even from the U.S. such as the muscadine grapes and concord grapes. There is even a grape that is native to California the California Wild Grape, (*Vitis californica*). The California Wild Grape can become a huge beautiful vine but the grapes themselves are tiny and very sour, not fun to eat. They are great for shading windows in the summer and letting sun in during the winter as they are deciduous. A lot of culinary grapes use the wild grape as a rootstock because it is so vigorous. All the grapes that we have in our demonstration garden are mediterranean type grapes because some of the others will require more water. We have quite a variety so that we can see which ones do the best in our park, we have a lot of critters and heavy clay soils.



Our grapes. Most grapes are water wise and climate appropriate for our region.

Pomegranates are also from central Asia. They are commonly grown in the middle east and southern europe along the mediterranean sea. Thomas Jefferson was one of the earliest Americans known to grow pomegranates, he planted some at Monticello in 1771. It's such a delicious fruit that Spain even renamed one of its cities to Granada which is an old term for pomegranate.



One of our young pomegranates. These are also water wise and climate appropriate for our region.

If you want to grow these out here in Southern California, you'll only need to water them in their first year while they establish. After that, grapes and pomegranates should do just fine with little to no water.

Posted by Andrew at 12:01 PM [Comments](#) [✎](#)
[Labels:](#) [Curriculum Tips](#), [Garden Tips](#)

THURSDAY, JULY 7, 2011

Growing Tomatoes



It takes 3 gallons of water on average to produce one standard size market tomato. That water isn't in the tomato, but in the plant itself, much of the water is lost through the plant with evapotranspiration. The process of water applied to the plants evaporating and transpiring through the leaves of the plant. This has to happen so that water can continuously carry nutrients to all the parts of the plant.

Tomatoes are one of the most popular fruits/vegetables to grow in gardens, and for good reason. Store bought tomatoes are bred with the intent that they'll ship well over long distances. These tomatoes will have tougher skins, and low in flavor because the tough skins keep them from bruising and the low flavor is a result of picking tomatoes before they have become fully ripe on the plant.

2 days ago



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Garden grown tomatoes of various shapes sizes, flavors and colors. Photo taken by and tomatoes grown by Rose White of Baton Rouge.

Tomatoes are so popular because they are very easy to grow. They can be grown all over California are abundant and there are so many different varieties and flavors to choose from. At about this time of year tomatoes are ripening up. If you started early then you should already have ripe tomatoes, if you started late you should at least be seeing flowers and probably some baby green tomatoes beginning to sprout.

Here is an interesting historical fact about tomatoes that can be shared with students. Though they are quite popular in Italy and many people think they are from there, tomatoes are actually native to the Americas. It is in fact a "new world" fruit. Where exactly they have come from is of dispute, but the more common belief is that they were first domesticated in Mexico by the Aztecs and likely came from plants that are native to Peru. In Britain and the United States colonies it was a common belief that tomatoes were poisonous until the mid 18th century. Tomatoes are in the nightshade family which have many toxic plants, so this may have just been a misunderstanding of the plant's family.

Another tidbit: While Tomatoes are actually fruits, it is classified as a vegetable for culinary purposes and customs regulations (as decided by the court case *Nix v. Hedden* in 1893).

Tomatoes have a huge variety of flavors colors, sizes and shapes. There are pink, yellow, striped, orange, green, and black tomatoes. Round, oval, and ribbed in shapes. Small and Large. Some are very sweet and some aren't sweet at all. Some tomatoes are really juicy and some tomatoes usually the kinds used for paste and catsup have a lower water content. (Catsup is actually a Chinese word and invention and is actually pronounced how it is spelled. Catsup actually just means a thick sauce. After many years, the word was too hard to pronounce for English speakers so a new spelling was added: ketchup. Plum and chilli is actually still quite popular and can be found in Asian markets.)



Different types of chili ketchup. Photo by Robin Lit of Rotterdam, Netherlands.

Can you think of another vegetable that is native to the Americas that is commonly grown in gardens? Here's a hint. It is often eaten with hamburgers and many people think it's from Ireland

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TUESDAY, JULY 5, 2011

Caring for your garden while school is out. Using Rancho Cucamonga High as an example

One of the most difficult things about having a school garden is that school is out during the summer and it becomes hard to gain support to manage your garden. Fortunately if your garden is waterwise you won't have too many weeds to have to pull, but it can still be a nuisance.

We just finished installing a garden at Rancho Cucamonga High School this past year, and Berenice Sealy the AP Environmental Science teacher called me with concerns about weeds and the overall health of her school's garden. As you can see, her garden is very healthy, but there are some overgrown weeds.



Rancho Cucamonga High School Garden with some weeds about to be removed.

Since her garden was just installed this past year, it is still in its establishment phase. That means we have to water more often to keep the plants healthy so that their roots have a chance to get used to the soil at the school. That means the weeds also have more of a chance to grow because of the additional water. And because the weeds are grown from blown over seed and not transplanted, they are already used to the soil and can often be more successful than the transplanted climate appropriate plants. Some cultivars grow much quicker and establish themselves better as you can see in the above photo.

Mrs. Sealy has actually done an amazing job at keeping the weeds down in her herb garden and vegetable garden. But, since school is out and it can be hard to gain extra support, the task can seem daunting at times. As you can see, the herbs are still quite young and have yet to fill in so there is a lot of space for weeds to grow.



Weedless Herb Garden at RCHS.
(All those rocks creating the border were found while digging!)

Most of the weeds are only horseweed and tumbleweed, so pulling them shouldn't be too hard in their sandy and rocky soil. Some of you may be wondering why there isn't any mulch under these plants. Well for drought tolerant plants, mulch can have a tendency to hold in *too much* moisture which can be bad for these plants. The other option is to use gravel, but at a school, gravel is often not a viable option.

Also, in the native area of her garden, the annual wildflowers that were spread by seeds are dying back and going dormant for the year. So at a new garden like this one, where the natives haven't had a chance to grow in, the browned annuals can seem more prominent. It's always up to you whether you want to leave them or not. If you leave them, the browned plants will decompose and go back into the soil, saving on nutrients, but if you remove them, it provides a "cleaner" look. We'll probably knock them down and step on them to flatten them out so they don't seem so prominent. As you can see, the natives are still quite young and have yet to fill in, just like in the herb garden.



Browned Annuals in the Native Garden.
You can also see some horseweed doing well here.

In the summer months, it's a good idea to spend at least one day a week weeding. Try to get the weeds before they get too big and before they reach maturity, otherwise they'll send their seeds flying all over your garden. You don't want to wait for them to flower and seed or you'll just encourage weeds to return. With a new garden, the task is always more difficult for the first year or two, but it gets easier as the years go on and the desired plants become more established.



RCHS's Vegetable beds doing wonderfully.

Posted by Jennifer at 12:02 PM 0 comments
Labels: garden, school garden tips

THURSDAY, JUNE 30, 2011

Gardens and Curriculum: Life Science

School gardens can be used in curriculum in so many creative ways. One of the most obvious ways to teach using a garden is in the Sciences subjects. Life, earth and physical sciences can all be taught in the garden. Here are a few examples of life science teaching opportunities taken from the California School Garden Network's "Garden for Learning" book.



A teaching moment from one of our grant recipients:
D'oplal Elementary in Pontana

- Have students differentiate between living and non-living things.
- Have students compare and contrast humans with plants.
- Have students examine how plants grow, examine life cycles of plants with fast growers like sunflowers.
- Students can examine what plants need to grow (don't forget about water!) and the different things different plants need.
- Plants have different parts: roots, leaves, stems, flowers, fruit, seeds,

student can examine what each part is for, and why each part looks like it does or is located where it is.

- Plants have certain characteristics that are inherited, but what about different characteristics because of their environment. Do some do better in full sun? What about with less or more water?

- Talk about photosynthesis and how plants convert sunlight into energy, (this is also a great way to talk about how scientists used this idea to create solar panels)

- Teach about how plants have adapted. The different shaped and colored flowers so that certain animals can pollinate them. The different types of seeds so that they can travel and reseed in other places. The different ways that they grow for different reasons.

Photo by: Jashon at 4:14 AM via [iStockphoto.com](#)
Labels: [Gardening Tips](#)

WEDNESDAY, JUNE 29, 2011

First stages of planning a design for Redeemer.

The other day I met at Redeemer Lutheran with some of the volunteers on the project. We went over some of our plans for the garden, a small site analysis was done to find out what we can put where. Because of the location we found we have some restrictions due to sun exposure: than you to Tony Palmisano and Eleanor Torres' solar exposure model. Their orchard type garden is going to be on the west side of 2 buildings with only about 15 feet to a block wall. The building on the north end is a two story building so it is going to block out a lot of sun, the block wall is also higher at about 9 feet.



The North section of the "Orchard"

We thought some tall growing avocados may work well here so that they have an opportunity to reach for the sun. After some discussion we may actually go with some Fig trees instead. Figs are great for the region because they are a mediterranean fruit and we are in a mediterranean climate. Once they are established they will require no irrigation (Avocados don't require much but their leaves may brown). Figs are water wise and climate appropriate. Fortunately figs are deciduous so it will allow some sun light to get through in the winter. Their extremely soft wood also makes pruning nearly effortless.



Between the North and South Buildings

Between the two buildings we have an opportunity to place a row of espaliered citrus as suggested by Mary Petit who is well known for her involvement with community gardens in the area. By facing the

espacered trees towards the south they'll be able to get enough sun, it may be possible to fit two rows close together and still be successful since the building to the south is at a lower elevation than where they trees would go just north of that. However that space may just be too small. I think it is worth a shot and while we may not get a lot of fruit off of the more shaded row, we may at least get some.



Southern orchard

In the southern portion, between the one story building and the short block wall, we'll be able to place about 15 various fruiting trees. We haven't decided exactly what, but Tom Spellman of Dave Wilson Nursery has announced he'd be able to donate a good portion of those trees if not all of them.

Joe was able to show me where all the irrigation lines ran and where we could connect off of the old irrigation. This area already has its own valve, so we luckily won't need to put in another valve. With the drip that we are going to use we can control the amount of water at each tree with the shrubbler emitters that we use.



Redeemer's existing vegetable beds were just put in this spring.

Malene also showed me a portion of their garden that they have already put together. They have vegetable beds that were just made and have already begun some plants. We'll be supplying a short picket fence around the garden to help keep the vegetables from being trampled.

Right now I'm preparing their irrigation so that we can begin work with volunteers. Unfortunately, their soil has a LOT of rocks of all different sizes, it sometimes feels like I'm digging into gravel (which is not easy) sometimes I'll hit a large rock and have to dig it out to move it out of the way. A lot of times soil type can make a job that can be done in one day with sandy-loam soil take 3 days with rocky or clay soils. The foothills are famous for their "potatoes" so we'll see how it goes. Fortunately those "potatoes" can make great decorations!

Posted by Malene Guida on 07/12/2011

THURSDAY, JUNE 23, 2011

Redeemer Lutheran making strides early in the summer!

The team led by Malene Guida over at Redeemer Lutheran Church and School has already begun work on their garden over the summer. Joe



Bartholomy who is a parent volunteer at Redeemer offered up some time and equipment to remove the asphalt where a portion of the garden is going to be installed.

We recently had a meeting with volunteers, school administrators and other community members as a introduction for all of us. We'll be updating you all on our progress as we move along.

Joe Bartholomy removed asphalt at Redeemer where part of the garden is to be installed.

Posted by Admin at 10:24 PM 1 comment
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WEDNESDAY, JUNE 22, 2011

Oxford Preparatory Academy Garden Completed!



Jim Taylor tending to his garden at OPA

Oxford Preparatory Academy in Chino just completed installing their water wise garden on Saturday the 18th. Their new garden is comprised of four parts: a fruit of pomegranate, mulberry, persimmon, avocado and orange trees; a native plant garden; a cultivar garden; and a vegetable garden which was planted over the weekend. They put in a lot of hard work to make this garden come together-- especially Jim Taylor, pictured in the garden to the left. Congratulations OPA!

Posted by Andrea Stinson, MS 0 comments Labels: 2011, waterwise

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COUNTY OF ORANGE
DEPARTMENT OF WATER

This guide is written to assist and inspire gardeners with installing a water wise landscape in the arid Inland Empire region of California. Plants highlighted in this guide use moderate to low amounts of water and are generally available at your local nursery or garden center.

Why Go Water-Wise?

Water is growing more and more scarce in California and in order to make supplies last, we have to conserve wherever possible. A great place to start is in your yard— landscape irrigation accounts for 70% of home water use in our driest areas, but by following the ideas presented to you in this guide you will be able to reduce the amount of water you use, save money, and have a beautiful yard. Besides, as you will see on the following pages, whether you prefer a colorful garden, or a shady place to relax, there are hundreds of beautiful plants to choose from which are adapted to our climate and require very little water to look amazing.

Soil

The soil in your garden is one of the most important factors affecting whether a plant thrives, or merely survives. Soil has a direct effect on a plant's roots and their ability to collect nutrients and moisture from the soil. Textures in the Inland Empire region range from fast-draining sand to waterlogged clay.

There are many ways to determine your soil type, ranging from take home tests which you can purchase at your local garden center, to mailing in a

soil sample. But for a general quick and easy way to discover what type of soil is in your yard, try the soil test to the right.

Once you have determined your soil type, it is possible to amend your soil with nutrients to ensure plant success. While it is possible to change the soil type by adding soil amendments, the best solution is to find the right plant for your soil. And luckily, here in California, we have many beautiful native plants adapted to our climate and soil types!

However, if you want to learn more about soil amendments, contact the University Cooperative Extension Farm Advisor or local Master Gardener group at <http://cesanbernardino.ucda>.

Soil Texture Test:

Take a handful of moist soil from your garden, and give it a firm squeeze (note- soil should be moist, not sopping wet). Then, open your hand and give it a poke with your finger.

If it:

1. holds its shape when you open your hand, but crumbles when you poke it, you have loamy soil
2. holds its shape when you open your hand, but doesn't budge when you poke it, you have clay soil
3. crumbles as soon as you open your hand, you have sandy soil

Mulches

Mulches play an important role in reducing evaporation, covering and cooling the soil. When used correctly, they can minimize soil erosion and reduce weed growth. The texture and color of the mulch can add a finished look to any landscape. Mulches are available in both organic (bark) and inorganic (rock or gravel) forms.

Planning & Design

Deciding what to do in your garden can be a fun and inspiring project! Use the steps outlined below to start thinking about your design. For large or complicated projects, speak to a professional designer or check out garden and design books from your local library, nursery, or botanic garden.

Step 1: Take inventory of your yard

- **Sunlight Levels:** what areas of your garden receive full sun (6 hrs or more); partial sun or filtered light; and shade.
- **Site Drainage:** Do you have areas that are particularly wet or dry?
- **Climate:** Do you get winter frost? Where do your rain gutters end? Does your yard get a lot of wind? How do seasonal winds, like the Santa Ana Winds, blow across the property? Consider where you could plant to create a windbreak.
- **Views:** Make note of any views you want to keep, like a mountain view or your neighbor's trees; or screen off, such as a utility area.
- **Soil Type:** Conduct the quick soil texture test above to see whether you have clay, loam, or sand soils. Knowing what type of soil you have onsite can help ensure plant success.
- **Circulation:** How do you move through the space—are there walkways? Do you want to add, remove or change a path?
- **Existing plants and trees:** Determine which ones you like and which ones you wish to replace. Please note that you can have large trees professionally pruned to bring in more light and views. Most of the time, it is better to keep old trees rather than wait 25 years for a replacement tree to grow in.
- **Other Considerations:** Consider potential impacts your changes might have on your neighbors' yards, especially with regard to water runoff and things like trees, fences, and walls which are on or near property boundaries.

Step 2: Ask yourself how you will use your yard

- What do you like the least in your yard?
- What do you like the most in your yard?
- How much money do you want to spend?
- How much time do you spend in your yard?
- Do you want a place for outdoor entertaining?
- Do you have children or pets that would play in the yard?
- Do you enjoy gardening, or would you hire someone to maintain the yard for you.
- Do you have any specific allergies?
- Would you like a fragrant garden?
- Do you want to attract birds or butterflies?
- Are there views you would like to enhance or conceal?
- What do you want your garden to feel like: open or enclosed; manicured or wild?

Step 3: Get inspired

- Go for a walk, look through magazines or search online and collect pictures of the gardens and plants you find attractive.
- Discover what grows naturally in your area by going for a hike in a nearby wild area.
- Visit local botanic gardens (see listed at end of publication) for inspiration.

Step 4: Limit the Turf Areas

- Plant turf only where it will be used--if the only time you step on your grass is to mow it, consider replacing it with native or other low water use plants which have lower weekly maintenance and are more appropriate for our climate.
- Avoid placing turf under trees because most trees need less water.

Climate & Watering

In San Bernardino County, we get the majority of our annual precipitation in the cooler winter months and very little rainfall during the hot summer months. Installing an efficient irrigation system and providing plants with the right amount of water at the right time is key to getting plants established so that they can eventually survive on natural rainfall.

Irrigation 101

If you have a pre-existing irrigation system, take a moment to become familiar with its different components. For detailed information about how to update or retrofit your existing system, contact your local hardware store, irrigation store, or conservation district. Consider hiring an expert for large or complicated jobs.

Efficient Irrigation

- Plan to install or retrofit an existing irrigation system with appropriate efficient irrigation fixtures. For the latest efficient irrigation models check www.bewaterwise.com.

- Contact your local water supplier and conservation district for additional information about upcoming workshops and rebates.
- Create separate valves (zones or stations) for high, medium, and low water using plants; areas that are in the sun, shade, and filtered shade. One tip, from experts, is to create a map for how you defined the irrigation areas and keep it with your gardening tools to reference in the future.
- Consider investing in a “smart” irrigation timer or controller which will automatically adjust your garden’s watering schedule based on weather or soil conditions. Follow the sample watering guide on the next page to set each zone by season. (note- if your garden is maintained by a contractor or gardener, inform them about what you are doing so that they won’t adjust run times to previous levels).
- Consider adding a rain sensor to turn off your irrigation system when it rains.
- Make sure that water from your irrigation system is kept away from your house and pathways to avoid structural water damage.
- Avoid overspray and runoff by giving yourself an irrigation system tune-up once a year (see checklist below).

Irrigation Tune-Up Checklist

Check sprinklers in the spring, summer and fall. Turn on each valve and check for the following problems:

- | | |
|---|---|
| <input type="checkbox"/> Water runoff | <input type="checkbox"/> Heads tilted or misdirected |
| <input type="checkbox"/> Swampy areas | <input type="checkbox"/> Visible dry areas: sprinkler spacing too far apart |
| <input type="checkbox"/> Plant material performing poorly | <input type="checkbox"/> Obstruction of spray pattern |
| <input type="checkbox"/> Water spraying on the street | <input type="checkbox"/> Popup system not fully extending |
| <input type="checkbox"/> Valve leaking | <input type="checkbox"/> Spray is not reaching proper area |
| <input type="checkbox"/> Head clogged | <input type="checkbox"/> There are doughnut shaped dry areas of turf |
| <input type="checkbox"/> Head leaking or broken | <input type="checkbox"/> Sprinkler nozzles blown off |
| <input type="checkbox"/> Plants blocking sprinkler | |
| <input type="checkbox"/> Spray is misting or fogging | |
| <input type="checkbox"/> Spray is overshooting planting | |



Blue Fescue



California Fuchsia



California Grape



Catalina Cherry

Name	Category	Size (h x w)	Light	Water
Aecidium sp. <i>Aecidium arborescens</i>	Succulent	to 3' x 3'	full sun	L-VL
Aloe <i>Aloe vera</i>	Succulent	1-2' x 1-2'	full sun	L-VL
Australian Willow <i>Geijera parviflora</i>	Tree	20-30' x 15-25'	full sun	M
Beard Tongue <i>Penstemon palmeri</i>	Perennial	3-5' x 1-2'	full sun	L
Blue Fescue <i>Festuca ovina glauca</i>	Grass	under 1' x 1'	partial sun	M-L
Bougainvillea <i>Bougainvillea sp.</i>	Vine	5-20' x 5-20'	full sun to partial shade	L-VL
Butterfly Vine <i>Mascagnia macroptera</i>	Vine	15-20'	full sun to full shade	L
California Fuchsia <i>Epilobium canum</i>	Perennial	2-3' x 2'	partial shade	L-VL
California Poppy <i>Eschscholzia californica</i>	Annual	1' x 1'	full sun	L-VL
California Redbud <i>Cercis occidentalis</i>	Shrub	6-20' x 10-15'	full sun to partial shade	L-VL
California Wild Grape <i>Vitis californica</i>	Vine	25-40'	full sun to partial shade	L-VL
Catalina Cherry <i>Prunus ilicifolia</i>	Shrub	20-50' x 20-30'	full sun	L-VL
Catalina Fernleaf Ironwood <i>Lyonothamnus floribundus</i>	Tree	20-40' x 12-15'	full sun	L-VL
Century Plant <i>Agave americana</i>	Succulent	4-8' x 6-12'	full sun	L-VL
Chitalpa <i>Chitalpa tashkentensis</i>	Tree	15-25' x 15-25'	full sun	L
Cleveland Sage <i>Salvia clevelandii</i>	Perennial	3-5' x 5-8'	full sun	L
Coast Live Oak <i>Quercus agrifolia</i>	Tree	20-60' x 30-70'	full sun to partial shade	VL
Common Myrtle <i>Myrtus communis</i>	Shrub	8-12' x 8-12'	full sun to full shade	L
Coyote Brush <i>Baccharis sp.</i>	Perennial	1-5' x 5-9'	full sun	L-VL

Flower Color	Bloom Season	Notes
yellow flowers	March-July	leaves grow in a rosette formation
yellow flower stalks	March-July	flowers attract humming birds; gel from leaves have medicinal properties
n/a	n/a	weeping growth habit, good for small yard and patios
white to pink; hybrids may have other colors	March-May	flowers attract humming birds
white seedstalks in the spring	n/a	prized for its blue-gray mounding foliage
colors vary by species, red, purple, orange, yellow, white	March-October	large vine that can be trained to drape over a fence or groundcover
yellow blooms with brown, butterfly shaped seeds	March-August	evergreen vine, fruit resembles a butterfly, can be trained as a shrub
red flowers in the fall	August-November	flowers attract birds and butterflies; silvery foliage
golden orange	March-September	plant seeds in the fall for spring color
magenta flowers, winter seed pods, some fall color	February-May	works well as a small patio tree; blooms attract birds
fruits late spring-summer	March-August	red fall foliage, fruits after 3rd year, attracts birds and wildlife
white flower spikes; red to black berries	April-August	works well as a perimeter screen, can be shaped into a tree
white flower clusters	May-July	does best in sandy soils, needs occasional deep watering
n/a- blooms once in life cycle after 10 years	n/a	sculptural plant adds structure to landscapes with gray-blue leaves
prolific light pink blooms	May-August	blooms attract birds, great small patio tree
purple	May-July	fragrant; attracts birds and butterflies
small yellow flowers, acorns	March-May	grow slowly, old trees have magnificent sculptural forms
white flowers	June-August	fragrant foliage; blooms attract birds and butterflies
small, white flowers	March-August	evergreen shrub or groundcover



Fernleaf Ironwood



Cleveland Sage



Common Myrtle



Coyote Brush



Fairy Duster



Flannel Bush



Hens-and-Chicks



Indian Hawthorn

Name	Flower Color	Bloom Season
Deer Grass <i>Muhlenbergia rigens</i>	2-3' flower stalks	June-August
Douglas Iris <i>Iris douglasiana</i>	blue-violet	March-May
Evergreen Currant <i>Ribes viburnifolium</i>	red berries in spring-summer	February-June
Fairy Duster <i>Calliandra eriophylla</i>	2" pink to orange tuft	April-July
Flannel Bush <i>Femoricadendron sp.</i>	brilliant yellow	March-May
Gray Lavender Cotton <i>Santolina sp.</i>	solitary yellow button flowers	March-July
Hens-and-Chicks <i>Echeveria sp.</i>	pink flowers	March-June
Indian Hawthorn <i>Rhaphiolepis indica</i>	white to pink	February-May
Kangaroo Paw <i>Anigozanthos sp.</i>	commonly red or lime green, varies by species	March-November
Lamb's Ear <i>Stachys byzantina</i>	purple pink flowers	May-July
Lantana <i>Lantana sp.</i>	purple, yellow or white, depending on variety	year round blooms
Large Mediterranean Spurge <i>Euphorbia characias</i>	large chartreuse flowerheads	March-August
Lavender <i>Lavandula sp.</i>	purple fragrant blooms	March-August
Lemonade Berry <i>Rhus integrifolia</i>	small pink flowers; red berries in summer	March-May
Lion's Tail <i>Leonotis leonurus</i>	showy orange fuzzy blooms	November-January
Live Forever <i>Dudleya sp.</i>	reddish flowers	March-June
Manzanita <i>Arctostaphylos sp.</i>	pinkish white urn shaped flowers	February-May
Mexican Bush Sage <i>Salvia leucantha</i>	purple and white flowers grow on stalks	year round blooms
Mexican Feather Grass <i>Nassella tenuissima</i>	green to golden flowers	August-October

Light	Size (h x w)	Water	Notes	Category
full sun to partial shade	2-3' x 2-3'	L-VL	green foliage turns blond in summer heat,	Grass
shade	2'-1'	L	evergreen strappy leaves	Perennial
partial shade	3-5' x 8-12'	L-VL	works well under trees	Perennial
full sun	1-3' x 1-3'	L	flowers attract butterflies and hummingbirds,	Shrub
full sun	8' x 10-20'	VL	avoid clay soils, will not tolerate summer water	Shrub
full sun	2' x 3-4'	L	striking silvery foliage; can form a 1' high carpet in mass plantings	Perennial
full sun to partial shade	6" x 1'	L-VL	sculptural rosette forms come in a variety of colors and sizes	Succulents
full sun to partial shade	2-5' x 2-5'	M	very low maintenance	Shrub
full sun	to 6' x 2'	M-L	unique, long lived flowers, flowers attract hummingbirds	Perennial
full sun to partial shade	4-6" x 2'	L	leaves are silvery, soft and "fuzzy" to the touch	Ground-cover
full sun to partial shade	1-3' x 3-6'	M-L	year round flowers, needs to be pruned severely at least once a year	Ground-cover
full sun to partial shade	2-3' x 2-3'	L	gray green foliage year-round with striking flowers; excellent accent plant	Perennial
partial shade	3' x 5'	L	fragrant; attracts birds and butterflies, silvery foliage	Shrub
full sun	5-12' x 2-15'	L-VL	background evergreen shrub	Shrub
full sun	3-6' x 3'	M-L	fast growing with unusual flowers, dark green foliage	Shrub
full sun to partial shade	1-2' x 1-2'	L-VL	sculptural rosette forms; work well as a ground cover	Succulents
full sun to partial shade	1-15' x 5-15'	L-VL	does best on slopes, dislikes summer watering, striking red bark	Shrub
full sun to partial shade	3-5' x 3-5'	L	fast growing with gray-green foliage	Perennial
full sun to partial shade	1-2' x 1'	L-VL	foliage turns blond in summer, spreads easily- avoid in areas near wilderness	Grass



Large Spurge



Lemonade Berry



Live-Forever



Manzanita



Verbena



Red Clusterberry



Rock Purslane



Rock Rose

Name	Flower Color	Bloom Season
New Zealand Cabbage <i>Cordyline australis</i>	fragrant white flowers	June-August
New Zealand Flax <i>Phormium tenax</i>	orange-red flowers	March-June
Olive Tree <i>Olea europaea</i>	n/a	n/a
Palo Verde Tree <i>Parkinsonia sp.</i>	profuse yellow blooms	June-August
Pink Melaleuca <i>Melaleuca nesophila</i>	pink bottle brush flowers	March-October
Pride of Madera <i>Echium candicans</i>	purple blossoms on 20" cone	April-June
Red Clusterberry <i>Verbena bonariensis</i>	deep purple	March-September
Red Clusterberry <i>Cotoneaster dammeri</i>	small white flowers in spring; red berries in fall	March-November
Rock Purslane <i>Calandrina grandiflora</i>	prominent fuschia blooms	March-June, October
Rockrose <i>Cistus sp.</i>	white to pink	March-August
Rosemary <i>Rosmarinus officinalis</i>	blue-white	year round blooms
Sea Lavender, Statice <i>Limonium perezii</i>	deep purple	March-September
Sticky Monkey Flower <i>Mimulus sp.</i>	peach colored blooms in spring summer	March-August
Stonecrop <i>Sedum sp.</i>	yellow	February-May
Strawberry Tree <i>Arbutus unedo</i>	white urn shaped flowers, decorative red fruit	October-February
Sugar Bush <i>Rhus ovata</i>	small white flower clusters followed by red berries	March-April
Toyon, Christmas Berry <i>Heteromeles arbutifolia</i>	white flower clusters in fall with red berries in winter	October- February
Wild Buckwheat <i>Eriogonum sp.</i>	white, pink, yellow	March-September
Wild Lilac <i>Ceanothus sp.</i>	deep blue	March-May

Light	Size (h x w)	Water	Notes	Category
full sun	to 10' x 5'	L	unique form works well in backgrounds to add interest	Grass
full sun	6-8' x 8-10'	L	showy foliage with upright blade shaped leaves	Grass
full sun	to 30' x 25-30'	L	silvery gray foliage, fruitless varieties exist	Tree
full sun	15-20' x 15-20'	L-VL	green trunk; good patio tree; may have spines	Tree
full sun	10-15' x 8-13'	VL	works well on slopes, attractive accent plant	Tree
full sun	6-8' x 4-6'	L	deer resistant; blooms attract birds, bees, butterflies	Perennial
full sun	4-6' x 2-4'	L	blooms attract birds and butterflies	Perennial
full sun to partial shade	1' x 10'	M-L	works well in planter beds	Ground-cover
full sun to partial shade	1' x 2-3'	L-VL	striking blooms form on a long stalk attracting birds and butterflies	Succulents
full sun	2' x 2-5"	L	works well between large shrubs	Ground-cover
full sun	3-4' x 2'	L	fragrant foliage can be used in cooking, attracts wildlife	Shrub
full sun to partial shade	2'-4'	L	flowers work well in flower arrangements	Perennial
full sun	1-3' x 1-3'	L	hybrids available in different colors, blooms attract humming birds	Shrub
full sun to partial shade	to 6" x 2'	L-VL	low growing succulent	Ground-cover
full sun	10-25' x 10-25-	M-L	great small patio tree	Tree
full sun	15-20' x 15-20'	VL	evergreen background shrub; attractive shaggy bark	Shrub
full sun to partial shade	10-15' x 8-15'	VL	can be trimmed into a small tree, fruit attracts birds in winter	Shrub
full sun	varies by species	L-VL	attracts wildlife and butterflies	Shrub
full sun	3-10' x 3-8'	L	shrub or groundcover varieties, flowers attract birds and butterflies	Shrub



Stonecrop



Sugar Bush



Toyon



Wild Lilac

California Natives



1 Toyon; Christmas Berry
Heteromeles a. bufifolia

4 Western Redbud Tree
Cercis occidentalis

2 California Buckwheat
Eriogonum spp.

5 Fairy Duster
Calliandra eriophylla



3 Purple Sage
Salvia leucophylla

6 Coast Live Oak
Quercus agrifolia





1 Bougainvillea
Bougainvillea ssp.

4 Tree Mallow
Lavatera arborea

2 Yellow Lantana
Lantana camara

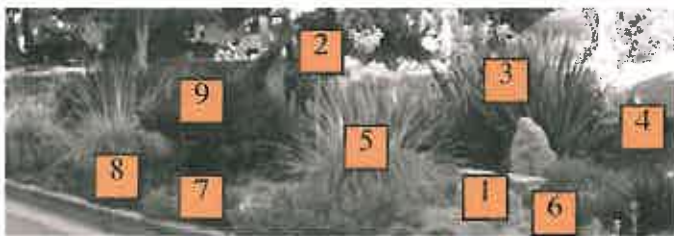
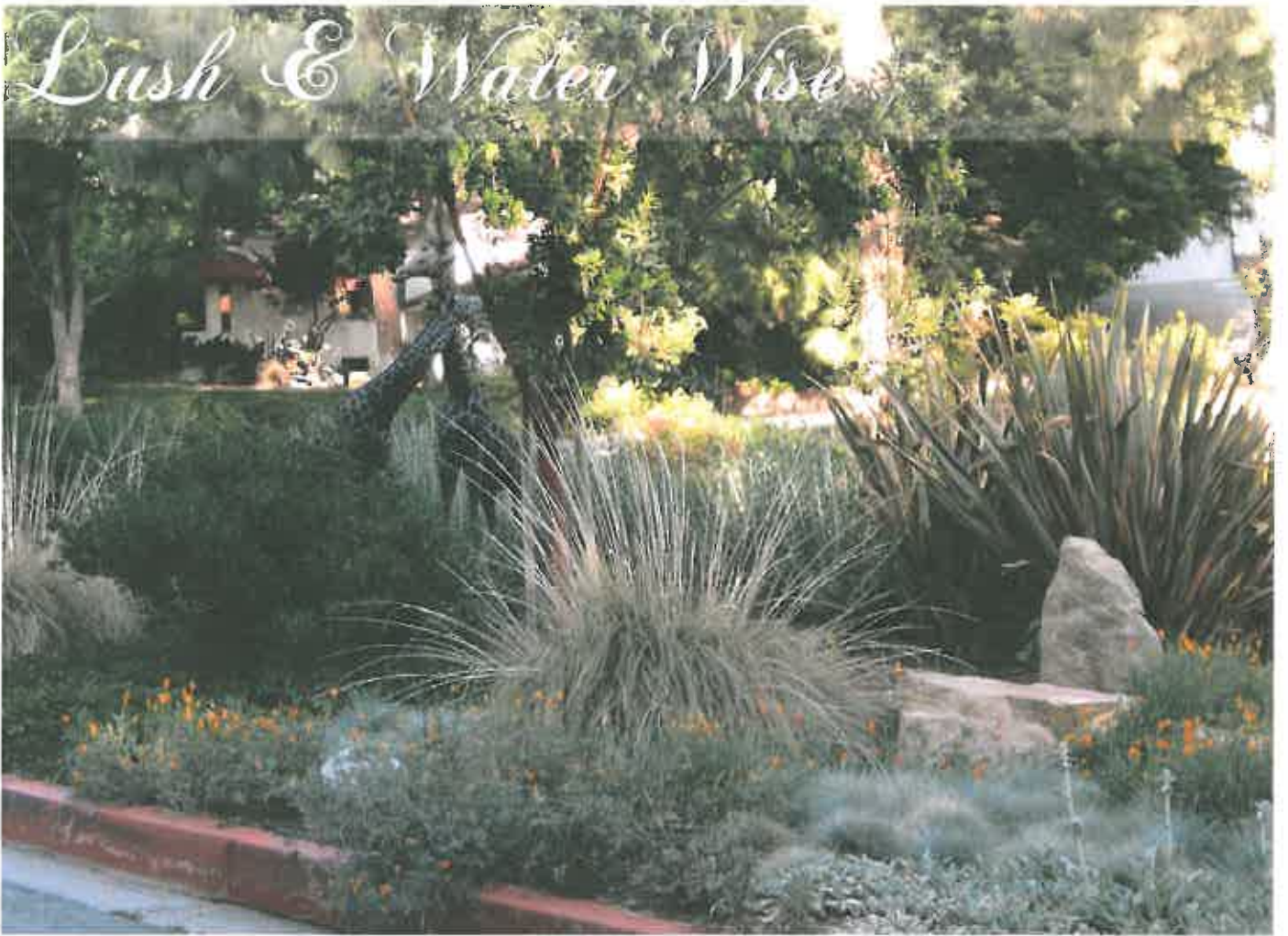
5 Flannel Bush
Fremontodendron Californicum

3 Mexican Bush Sage
Salvia leucantha

6 Olive Tree
Olea Europea



Colorful & Naturalistic



1 Blue Fescue
Festuca glauca

2 Strawberry Tree
Arbutus unedo

3 New Zealand Flax
Phormium tenax

4 Kangaroo Paw
Anigozanthos flavidus

5 Deer Grass
Muhlenbergia rigens

6 Lamb's Ear
Stachys byzantian

7 California Poppy
Echynelzia californica

8 Ornamental Strawberry
Fragaria chiloensis

9 Lion's Tail
Leonotis leonurus





1 Blue Fescue
Festuca glauca

4 Blue Chalk Sticks
Senecio talinoides

2 Sea Lavender
Limnium perezii

5 Deer Grass
Muhlenbergia rigens

3 New Zealand Flax
Phormium tenax

6 Lilly of the Nile
Agapanthus africanus





1 Bougainvillea
Bougainvillea spp.

5 Miniature Pine Tree
Crotonia tetragona

2 Prickly Pear Cactus
Opuntia spp.

6 Peruvian Apple Cactus
Cereus peruvianus

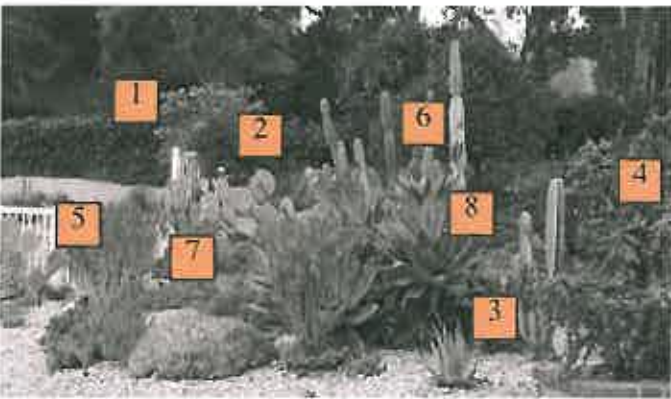


3 Aloe
Aloe striata

7 Jade Plant
Crassula ovata

4 Porkbush
Portulacaria afro

8 Foxtail agave
Agave attenuata



Notes:

Demonstration Gardens

Rancho Santa Ana Botanic Garden

Garden Hours: 8 a.m. – 5 p.m. daily
1500 N. College Ave
Claremont, CA 91711
(909) 625-8767
www.rsabg.org

Chino Basin Water Conservation District Garden

Garden Hours: 8 a.m. – 5 p.m. daily
4594 San Bernardino St.
Montclair, CA 91763
(909) 626-2711
www.cbwcd.org

Malool Foundation Garden

Garden Hours: Thurs & Sat. noon-4:00
5131 Carnelian Street
Alta Loma, CA 91701
(909) 980-0412
www.maloolfoundation.org

San Bernardino Valley Water Conservation Garden

Garden Hours: expected to open April 2011
5500 University Parkway
San Bernardino, CA 92407
(909) 537-7684

Western Municipal Water District Conservation Garden

Garden Hours: 10 a.m. to 4 p.m. daily
450 E. Alessandro Blvd.
Riverside, California
951.571.7100
www.wmwd.com/landscape

Information and Publications

Metropolitan Water District of Southern California

This site has up to date information about water supplies, rebate

opportunities and gardening tips on the "Garden Spot" web page. Visit online at: www.bewaterwise.com

Water Wise Gardening for the Inland Empire:
www.wmwdwatersavingplants.com

The Theodore Payne Foundation for Wildflowers & Native Plants, Inc.
www.theodorepayne.org

The Lady Bird Johnson Wildflower Center

Excellent plant database with images, conservation and restoration tips.
www.wildflower.org

Recommended Reading

Care & Maintenance of Southern California Native Plant Gardens

Landscape Plants for California Gardens

Sunset Western Garden Book

California Native Plants for the Garden

Acknowledgements

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Water- Wide

FIRE-RESISTANT LANDSCAPING FOR Erosion Prone Areas



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A California Native-oriented
 planting guide for the wild
 land-urban interface.



Inland Empire
 Landscape Architecture



This guide is a supplement to the *Water-Wise Homeowner Landscape Guide*. Landscapes along the mountain foothills and wilderness interface in California are especially susceptible to fire, making plant choice, design, and maintenance particularly important to ensure home safety. The plants in this guide showcase some wonderful California Native plants that work well in fire and erosion prone areas to help reduce fire risk, while simultaneously lowering water needs.



PLANT COMMUNITY

Historically the foothills of Southern California are part of the Oak Woodland, Chaparral, Coastal Sage Scrub plant communities. Semi-woody shrubs and grasses grow in an open pattern from the coast into the foothills dotted with signature oaks.

Many of these plants depend on the fire cycle to perpetuate their ecological cycles. The heat of the fire clears litter and allows new plants to grow. As well, many have developed growth patterns that stabilize the ground and decrease the risk of soil erosion after a fire.

These plants can and will regenerate after a fire-erosion cycle. However, today they cannot out compete non-native plants introduced by development. By using native plants in home landscaping, we can rebuild the plant community that used to exist. One that is fire resistant, water-wise, and truly representative of California's natural beauty.

The Southern Californian foothills and the native plant communities depend on the fire flood cycle to ensure longevity.



Landscape design and maintenance is more important than the species planted to create fire resistant, defensible space.

ZONE 1: 0-30'

- Low density planting of native shrubs (5-10' gap between plants). Many burn slower than popular non-natives
- Prune trees "up" so that someone can walk beneath them.
- Thin out bushes and remove dead grass, litter, and limbs.
- Supplemental water during dry months every two weeks (wash foliage off but don't get the ground wet).

ZONE 2: 31-100'

- Vegetation should compose 60-70% of landscape. Larger weed free open spaces 30-40%.
- Clean up litter, prune up and trim dead brush and tree.
- Regular water (15 minutes/week) for most native installations

• Alternative: install walkways in open spaces. This is cheaper, more fire resistant, and often more attractive. Plantings are decreased and less water is needed. Result is firebreaks and access to the landscaping for maintenance.

ZONE 3: 100' +

- Thin brush and trees so there is a 10' space between all plants over 5'.
- Smaller plants can be left in clumps less than 10' and with 10-15' spaces between clumps
- Natural look while removing potential fuel and making it difficult for flames to jump.
- Open patches of bare soil are natural to pre-Columbian California.

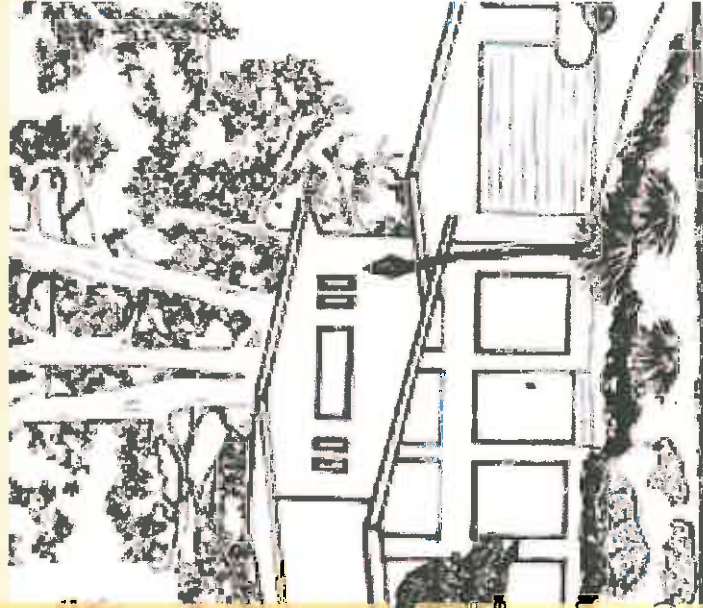
FIRE WISE SLOPES

During the first major rain the native sites have high erosion, and after the third or fourth rain erosion slows. Artificially seeded slopes can burn the next year. Non-seeded sites need years before they can burn again.

Protect natural vegetation, it holds the hillsides together. Extensive root systems survive fire and draw moisture up to the surface root systems.

GENERAL DESIGN

- Break up the "fire path" by spacing trees so crowns will not touch when mature
- Plant taller shrubs away from the house in widely spaced groups with mulch or low ground covers between them
- Create a defensible space around the house with patios, walks, walls, low ground covers and rocks
- Locate fences, trellises, decks, and other flammable structures so that they do not create a continuous path for fire



Fire Wise Planting Guide

Plants with low moisture content and high oil content may be more likely to burn, but a plant's ability to resist fire is strongly influenced by landscape design and maintenance.

- Arrangement, spacing, density, and dryness of the vegetation and probably more important than species planted.

- All plants burn under the right conditions

PLANT INFORMATION KEY

Latin Name: *Genus species*, Common Name.
Notes about plant.

Water Needs (Moderate - Very Low) *

Fire Danger: **HIGH** **MEDIUM** **LOW**

Erosion Resistance: **HIGH** **MEDIUM** **LOW**

* Water Needs: Moderate, Low, Very Low. Visit www.bewaterwise.com/calculator to create a customized irrigation schedule.



Arctostaphylos spp., Manzanita
See nursery for specific details
Low Water FIRE EROSION



FIRE WISE MAINTENANCE

- Prune trees and shrubs to thin and eliminate dead branches
- Cut back ground covers periodically to renew growth
- Remove dead plants, mow dead grass
- Remove leaves and needles from roofs, eaves, and gutters
- Keep fences cleared of vines, grasses, and windblown debris
- Water according to each plant's needs. Too much or too little water can make plants more vulnerable to fire.
- Check with your city and local fire department for existing ordinances, policies and suggestions.



Lupinus alkitrons, Lupine. Quickly regrows after fire. Low Water FIRE EROSION



Epilobium canum ssp. *canum*, California Fuchsia. Thin out. Low Water FIRE EROSION



Justicia californica, Chuparosa. Takes Pruning, burn out moisture to burn leaf. Low Water FIRE EROSION



Symphoricarpos albus laevigatus, Common Snowberry. Low Water FIRE EROSION



Eriogonum fasciculatum, California Buckwheat. Keep thin, plant doesn't like dust. Low Water FIRE EROSION



Cercocarpus betuloides, Mountain Mahogany. Ornamental flowering, ground cover. Low Water FIRE EROSION



Mahonia aquifolium, Oregon Grape. Moderate Water FIRE EROSION



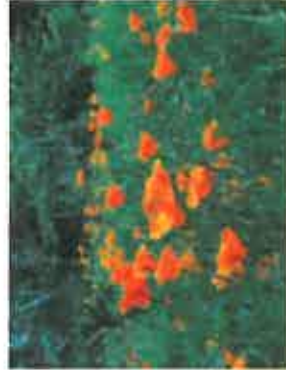
Heuchera 'Wendy', Coral Bell. Attractive ornamental flowering. Low Water FIRE EROSION



Trichostema lanatum, Woolly Blue Curl. Low Water FIRE EROSION



Fremontodendron californicum, California Flannel Bush. Thin out. Very low Water FIRE EROSION



Eschscholozia californica, California Poppy. Quickly grows after fire. Low Water FIRE EROSION



Cercis occidentalis, Western Redbud. Low Water FIRE EROSION



Quercus agrifolia, Coast Live Oak. Keep maintained for fire resistance. Low Water FIRE EROSION



Encelia californica, Bush Sunflower. Does better with more irrigation, takes pruning. Low Water FIRE EROSION



Arbutus menziesii, Pacific Madrone. Dry foliage and bark flammable, needs maintenance. Low Water FIRE EROSION



Rosa californica, California Rose. Ornamental flowering, ground cover. Low Water FIRE EROSION



Platanus racemosa, California Sycamore. Keep maintained for fire resistance. Moderate Water FIRE EROSION



Baccharis pilularis, Coyote Bush. Deer proof, doesn't need water for resistance. Very low Water FIRE EROSION



Heteromeles Arbutifolia, Toyon. Takes Pruning, burn out moisture to burn leaf. Low Water FIRE EROSION



Opuntia x vaseyi ssp., Vasey's Coastal Prickly Pear. Succulent. Very low Water FIRE EROSION



Mimulus aurantiacus, Monkey Flower. Attractive ornamental flowering. Low Water FIRE EROSION



Vitis ssp., Wild Grape. Keep maintained for fire resistance. Moderate Water FIRE EROSION



Ceanothus ssp., Wild Lilac. Prune to keep open. Low Water FIRE EROSION



Salvia Gracilis, Creeping Sage. Keep watered, clean, and tidy. Low Water FIRE EROSION



INFORMATION, PUBLICATIONS, SOURCES, RESEARCH, DEMONSTRATION GARDENS AND WHERE TO PURCHASE PLANTS

Chino Hills Fire Department Water Wise Gardens (chinovalleymfire.org/fire_prevention.461.0.html) Localized information about fire prevention from the independent fire department.

Eaton Canyon Fire Trail (ecnca.org) a 190-acre nature preserve at the base of the San Gabriel Mountains showcasing hiking and equestrian trails, natural habitats, and native plant materials.

Malool Foundation Garden (maloolfoundation.org/garden.cfm) Demonstration garden showing low-water gardening, incorporation of art and plant material, hydrozoning, and native and Mediterranean plant material.

Las Pilitas Nursery (laspilitas.com) Seller of native Californian plants. Offers tips, how-tos and growing information for hundreds of natives. Also gives information and plant lists on speciality gardens.

Rancho Santa Ana Botanical Gardens (rsabg.org) Based in Claremont, RSABG is

the largest botanical garden dedicated to California native flora and fauna.

Theodore Payne Foundation for Wildflower and Native Plants (theodorepayne.org) Educational, recreational and retail nursery and garden to promote the preservation of California plant materials. Serves as demonstration garden for both ornamental and natural settings.

Descanso Gardens (descansogardens.org) Located in La Canada. Has many gardens dedicated to various plants from around the world. The California Garden highlights native flora to revive interest, educate school children and act as a demonstration garden for homeowners.

Sustainable and Fire Safe (SAFE) (groups.ucanr.org/SAFE) Specific to the wildland-urban interface in California. SAFE strives for sustainable fire-resistant

landscaping solutions. Guide offers design, planting, and maintenance advice.

Centre for Fire Research and Outreach (firecenter.berkeley.edu) University based group that researches and collaborates to find a sustainable co-existence with wildfire. Science based solutions for homeowners, business, and researchers.

CNPS - California Native Plant Society (cnps.org) Attempts to preserve California plant native ecology for future generations. Database of plant information and network for growing and landscaping tips.

Plant Right (plantright.org) Information on invasive plant prevention in California and ways to get involved in the Native Plant movement.

California Oaks Foundation (californiaoaks.org) Non-profit organization to inform about the importance of protecting and perpetuating California's native oak woodland, wildlife, and watersheds.

Firescaping (Douglas Kent) Book that describes how to assess a landscapes fire risk, how to create a fire-resistant landscape and garden space, and how to minimize the impact of wildfire.

More Recommended Reading:
Care and Maintenance of Southern California Native Plant Gardens by Bart O'Brien, Betsey Landis, and Ellen Mackey
Landscape Plants for California Gardens by Robert Perry

California Native Plants for the Garden by Carol Bornstein, David Fross, and Bart O'Brien

Reimagining the California Lawn by Carol Bornstein, David Fross, Bart O'Brien, John Everts

Water Wise Gardening for the Inland Empire (wmwd.watersavingplants.com)

**IEUA Annual Newspaper Ads,
Articles & Releases
FY 2010-2011**

NO DRUGS DOWN THE DRAIN

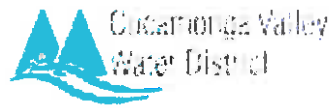


Unused medication should be:

Put in a sturdy, securely sealed container, then in a trash can where children and animals can't reach them.

Unused prescription and over-the-counter medication that are put in drains or flushed down the toilet pollute the environment, so please take as prescribed and dispose of unused portions properly.

www.nodrugsdownthedrain.org



Water Smart

Thinking in Terms of Tomorrow

Tips

to conserve water

Did you know

watering your lawn only when it needs it can add up to major savings? Water only in the early morning hours and you will save up to 25 gallons each time you water!



Did you know

replacing a portion of your lawn with beautiful native and California Friendly® plants will save 1,000 to 1,800 gallons of water per month, depending on your climate?



Did you know

washing a car by hand uses about 150 gallons of water? Using a self-closing spray nozzle can save 8 to 18 gallons every minute!



Did you know

washing dishes at the sink uses about 20 gallons of water on average? An Energy Star® dishwasher uses just 4 gallons per load, while a standard dishwasher uses about 6 gallons per load. If you run the dishwasher only when it is full, you'll save even more!



Did you know

a standard faucet uses 3 to 7 gallons of water per minute, while a water-efficient faucet uses as little as 1.5 gallons per minute? Installing low-flow aerators on your faucets can save thousands of gallons of water a year!



Remember,
Saving Water is the Right Thing to do!

Inland Empire
Utilities Agency
and its Local Water
Agencies Continue
to Promote
Being Water Smart
in the Chino Basin

It is true what you have heard on the news and read in the paper. We have had a record year of snowpack in the Sierras, and an abundance of rain. But given that we all depend on clean water for life, it is important for us to remember to continue to use our water supplies wisely, even during wet years.

Efficient water use needs to be a way of life, not just something we think about once in a while. And with a little bit of effort, conservation will soon become second nature. And it is easy to do. By simply watering your outdoor landscapes properly and using water efficient fixtures and appliances in the home will sharply reduce your water consumption.

IEUA and its member agencies continue to encourage its residents to use water wisely.





Landscaping the Water-Wise Way



The Southern California Friendly® garden combines the beauty of California Friendly® native and drought-tolerant plants with efficient outdoor water use.

Did you know...



A typical family uses approximately two-thirds of their water outdoors to irrigate their landscape? By installing plants that are appropriate to our climate, and by modifying irrigation practice, water consumption can be reduced by half.

When out shopping for plants, look for the Inland Empire Garden Friendly logo at your local home improvement store.



Places to visit and enjoy California Friendly® Landscapes
Chino Basin Water Conservation District
4594 San Bernardino Street, Montclair

Inland Empire Utilities Agency
6075 Kimball Avenue, Chino

Malool Gardens
5131 Carnelian Street, Alta Loma

Rancho Santa Ana Botanic Garden
1500 North College Avenue, Claremont



Visit www.ieua.org, www.bewaterwise.com, or www.cbwcd.org on how to get started.
Chino Basin Water Conservation District, Chino Basin Watermaster, Inland Empire Utilities Agency

Free Sprinkler Nozzles .com

Save Water
Save Cash



Free Toro® Precision™ Series Spray Nozzles



Starting March 1, 2011
While supplies last!

How to Conserve Water

Did you know

Watering your lawn only when it needs it can add up to major savings? Water only in the early morning hours and you will save up to 25 gallons each time you water!



Did you know

Replacing a portion of your lawn with beautiful native and California Friendly® plants will save 1,000 to 1,800 gallons of water per month, depending on your climate?



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Let us put
money in
your
pocket

(up to \$2,000)

See inside to learn how



Inland Empire Utilities Agency, Chino Basin Water Conservation District, Chino Basin Watermaster Western Municipal Water District, Three Valleys Municipal Water District, Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland, Cucamonga Valley Water District, Monte Vista Water District, San Antonio Water Company and Fontana Water Company

6075 Kimball Ave. Chino, California 91708
Phone (909) 993-1600 • Fax (909) 993-1985



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT



***Chino Basin
Water Agencies***

***Working
Together***

Inland Empire Utilities Agency
Chino Basin Watermaster
Chino Basin Water Conservation District

Advertising Publication

INLAND VALLEY
Daily Bulletin

Water Agencies Working Together: Being Water Smart in the Chino Basin Means Planning for our Future... Come Rain or Come Shine



A reliable water supply is one of the top priorities for the water agencies of the Inland Empire. "Working together to come up with unique and innovative solutions to prevent unnecessary waste of our water supplies is a vital part of stretching our local water supplies to meet our current and future needs," said Chino Basin Watermaster Chairman and Upland City Councilman Ken Willis.



"Working together is the best way for us to plan for the future."

Terry Catlin
IEUA Board President

During the past decade, the water agencies of the Inland Empire have developed new regional partnerships to conserve water and invest in new water projects that will generate reliable water supplies for years to come. "We are as united as ever in working together on issues related to clean, reliable water," said Ken Manning, chief executive officer for the Chino Basin Watermaster. "By working together, our representatives in Sacramento and Washington D.C. can be more effective in helping deal with our ideas and our needs on the most important water issues – cleanup and assuring clean, high-quality, affordable water for future generations."

Demonstrating its acute awareness of the situation, the Inland Empire Utilities Agency has taken its water conservation programs one giant step further. IEUA, working with its local retail water agencies, is developing a regional recycled water distribution system to make high-quality and cost-effective recycled water available to local water agencies throughout the Chino Basin. By using recycled water for outdoor irrigation and industrial processing, can stretch our existing drinking water supplies for potable uses and at the same time help drought-proof the region.

"The Chino Basin Water Conservation District is proud to be part of the solution," said Kati Parker, board president of the Chino Basin Water Conservation District. "The District's commitment to conservation not only consists of protecting the health and quality of the Groundwater Basin by replenishing it with rainfall and storm water through the use of percolation basins and spreading grounds, but also the commitment to water conservation education. It is important to understand that we need to conserve even when it is raining outside," continued Parker.

"It is good for us to be able to share our ideas and concerns," said IEUA Board President Terry Catlin. "It is the best way for us to plan for the future."



The Chino Groundwater Basin, stretching from Fontana to Pomona and from the San Gabriel Mountains to the Chino Valley, is one of the largest groundwater basins in Southern California serving the needs of close to one million residents.

Inland Empire Utilities Agency Leading the Way Being Water Smart in the Chino Basin

Providing low sewer and water rates to IEUA's service area is a primary mission of the Inland Empire Utilities Agency (IEUA), which serves 850,000 residents in western San Bernardino County.

The Inland Empire Utilities Agency, a municipal water district, was formed in 1950 to supply supplemental water to the Chino Basin. Since then, IEUA has expanded its responsibility to provide industrial and municipal wastewater collection and treatment. IEUA operates four regional water-recycling facilities that treat approximately 60 million gallons of wastewater per day. From these facilities, IEUA is focused on producing three key products: recycled water to drought-proof its service area; compost to ensure healthy soils; and renewable energy through methane gas, solar generation, wind generation, and fuel cell facilities.

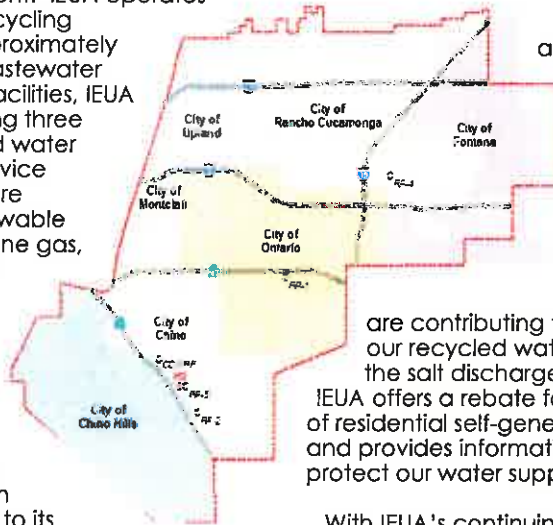
Over the past few years, IEUA and its local water providers have invested in an aggressive program to expand delivery of high quality recycled water to its service area. Recycled water is a safe, reliable, and cost-effective approach to managing our limited water resources. By reducing our demand on expensive imported water, IEUA and its local water agencies are not only saving money, but helping to drought-proof the region.

The Inland Empire Regional Composting Facility recycles over 200,000 tons of waste products per year into valuable compost. The Inland Empire Regional Composting Facility is an excellent example of IEUA's ability to provide a regional sustainable solution to biosolids management.

In 2008, IEUA installed 3.5 megawatts of solar power at its water recycling facilities and the composting facility. Adding to IEUA's renewable energy portfolio, IEUA recently approved the installation of wind generation and fuel cells at its treatment plants. These technologies will help IEUA reach its goal to power 100% of its operations with renewable energy.

IEUA continues to be a leader in water supply salt management, for the purpose of protecting the regions vital groundwater supplies. As part of the Salinity Management Action Plan, IEUA is addressing the home use of self-generating water softeners that are contributing to controllable salt in our recycled water. To help manage the salt discharge from these softeners, IEUA offers a rebate for the voluntary removal of residential self-generating water softeners and provides information on alternatives that protect our water supply.

With IEUA's continuing emphasis on cost containment, and with the dedication and effort of staff, IEUA will continue to provide reliable and cost-effective services to the communities it serves.



Grantors have aided in many of IEUA's projects. These include: U.S. Department of Energy, California Department of Forestry and Fire Protection, California Energy Commission, U.S. Department of Agriculture, Western United Resource Development, Inc., California Public Utilities Commission through Southern California Gas Company Self Generation Incentive Program, California Solar Initiative Southern, California Edison, State Water Resources Control Board, U.S. Bureau of Reclamation, and Department of Water Resources, California Department of Parks and Recreation.

(The contents of this document do not necessarily reflect the views and policies of any of the above referenced agencies, nor does mention of trade names or commercial products constitute endorsement or recommendation for use. Gov. Code, § 7550, 40 CFR §31.20)

INLAND EMPIRE UTILITIES AGENCY

6075 Kimball Ave. Chino, CA 91708
(909) 993-1600
www.ieua.org





Chino Basin Water Conservation District

THE CHINO BASIN WATER CONSERVATION DISTRICT (CBWCD)

is a public agency whose goal is to protect the Chino Groundwater Basin in order to guarantee that current and future water needs will be met. In addition, CBWCD provides water conservation education to individuals and organizations within their service area to further promote efficient use of our water resources. Established in 1949, the District's boundaries include the cities of Chino, Montclair and portions of Chino Hills, Ontario, Rancho Cucamonga and Upland.

Chino Basin Water Conservation District's commitment to conservation is two-pronged:

1. The District is committed to water conservation education to diminish demand. The water conservation education approaches that have been undertaken at the District address individuals, businesses, school districts, and municipalities within its service area. Residents in the service area are encouraged to attend the various, free workshops given at the District's offices (see workshop schedule for upcoming dates). Businesses and municipalities are encouraged to take advantage of the District's no charge landscape irrigation audits which provide site-specific water saving strategies.
2. The other conservation method is the use of percolation basins and spreading grounds to increase supply by replenishing the Chino Basin Aquifer. This process has made the District one of the first agencies in California to take a pro-active role in region-wide water conservation. California is still in a drought. Combine the drought with the future projected population growth and the necessity for conservation is serious.

Chino Basin Water Conservation District welcomes residents and businesses to visit its facility and learn about water conservation practices in a variety of ways:

- CBWCD's water wise demonstration garden is a great place to see a variety of climate appropriate plants.
- CBWCD's Wilderness Park has examples of over 40 different trees that are suitable for planting in our climate. Additionally, the park's newly installed pathway is an excellent place for people and their dogs to walk.
- CBWCD's public events are fun for the entire family. Check our website for the upcoming May water conservation event. It will be a perfect opportunity to learn about water wise plants and efficient irrigation practices. Plus, there will be a variety of exhibitors and workshops. This free event is open to families and their friendly dogs.

**CHINO BASIN WATER
CONSERVATION DISTRICT**
4594 San Bernardino St.
Montclair, CA 91763
909-626-2711
www.cbwcd.org



WATER AGENCIES



A typical family uses approximately two-thirds of their water outdoors to irrigate their landscape. By installing plants that are appropriate to our climate, and by modifying irrigation practices, water consumption can be reduced in half. In addition, water wise plants invite hummingbirds and butterflies into your yard.



To learn more about water wise landscaping, visit Chino Basin Water Conservation District's beautiful Demonstration Garden, open seven days a week throughout the year (except holidays).



Water Wise Landscaping Workshop & Water Conservation Event

Vegetable Gardening & Fruit Trees, March 19th 9:00 a.m. to 12:00 p.m.

(Free mulch giveaway on March 19th)

Water Wise Garden Special Event, May 14th 9:00 a.m. to 2:00 p.m.



2010 Water Conservation Fair at CBWCD's Wilderness Park

The Chino Groundwater Basin is one of the largest managed underground aquifers in the state of California

Chino Basin Watermaster

"The Chino Groundwater Basin is one of the largest managed underground aquifers in the state of California, and our ability to manage it properly is the legacy that we leave the next generation," said Chino Basin Watermaster's Board Chairman Ken Willis. He then added that "the ongoing drought, coupled with limits on the amount of water being pumped from the Sacramento Delta, have signaled that California is experiencing a severe water crisis. Fortunately for our region, strategies implemented over the last few years such as conservation, the use of recycled water, increased Desalter production and increased capture of storm flows assists us in our ability to bridge the gap."

Acting as the in-basin administrative arm of the Superior Court, the Chino Basin Watermaster is a consensus-based organization facilitating development and utilization of the vast underground aquifer that underlies the Chino Basin.

The Watermaster consists of various entities pumping water from the Basin including cities, water districts, water companies, agriculture, commercial enterprises and other private concerns.

The Watermaster is progressively and actively implementing the Basin's Optimum Basin Management Program which includes extensive monitoring, extensive development of recharge facilities, storage and recovery projects, managing salt loads, developing new yield such as recycled and stormwater recharge and continuing to work with other agencies and entities to enhance this significant natural resource.

"Our challenge over the next decade is to bring together the collective wisdom and knowledge of all these parties to provide direction and policy that outlasts us all."

Ken Willis
Chino Basin Watermaster's
Board Chairman

The governing structure of the Chino Basin Watermaster is inclusive of three distinctly different pumping entities within the basin.

The Agricultural Pool represents the dairymen, farmers and the state of California within the agency.

The business and industry interests are represented by the Non-Agricultural Pool.

The retail agencies that supply water to a vast majority of the people within the basin are represented through the Appropriative Pool.

Members of each pool meet monthly to discuss business concerns and to get briefed on the status of projects.

The decision and recommendations of the pool meetings are submitted to the Advisory Committee for further discussion and then forwarded to the Board for final approval, provided that all business concerns are in compliance with the "Judgment, Rules and Regulations and the Peace Agreement."

"Our challenge over the next decade is to bring together the collective wisdom and knowledge of all these parties to provide direction and policy that outlasts us all," Willis concluded.

CHINO BASIN WATERMASTER

9641 San Bernardino Road,
Rancho Cucamonga,
CA, 91730
(909) 484-3888
www.cbwm.org



WATER AGENCIES

**Water Wise Workshops
&
Special Offers at
THE HOME DEPOT®**



**Save Water
...and Money!**



**Save up to 50% at these
Garden Friendly Plant Sales:
9:00am - 2:00pm**

-  **April 9**, 3323 Madison St., Riverside
-  **April 16**, 25100 Madison Ave., Murrieta
-  **April 23**, 1355 E. Ontario Ave., Corona
-  **May 14**, 14549 Ramona Ave., Chino
-  **May 21**, 1401 E 19th St., Upland
-  **May 28**, 12255 Pigeon Pass Rd., Moreno Valley
-  **June 4**, 695 Hospitality Ln., San Bernardino
-  **June 11**, 1151 W Lugonia Ave., Redlands
-  **June 18**, 3150 Case Rd., Perris
-  **June 25**, 3400 W. Florida Ave., Hemet

FREE WATER WISE WORKSHOPS

Water Wise Landscaping 101

Date: April 2, 9:00 am – 12:00 pm
Location: Western Municipal Water District
14205 Meridian Pkwy., Riverside, 951-571-7296

Climate Appropriate Plants

Date: May 14, 9:00 am – 12:00 pm
Location: Chino Basin Water Conservation District
4594 San Bernardino St., Montclair, 909-626-2711

Climate Appropriate Plants

Date: May 21, 9:00 am – 12:00 pm
Location: Eastern Municipal Water District
2270 Trumble Rd., Perris, 951-928-3777 ext. 3322

Water Wise Landscaping 101

Date: June 4, 9:00 am – 12:00 pm
Location: San Bernardino Valley Water Conservation
Demonstration Garden, Cal State San Bernardino,
Coyote Dr. Entrance (East of 5500 University Pkwy.
on North Park Blvd.) 909-537-3687

Corporate
Sponsors:



Special Thanks

to our Federal Legislators for sponsoring legislation to improve the water quality of the Chino Basin



U.S. Senator Barbara Boxer

"Managing our water resources, and ensuring the quality of our drinking water, is vital to the future of our state's economic health."



Congresswoman

Grace Napolitano, D-38th District

"We must continue improving California's water infrastructure to protect future water supplies. Wet winters are welcome, but population growth and climate change will continue to strain our rivers and aquifers. Conservation, reuse, and recycling by all of us will allow our children and grandchildren to enjoy the same access to inexpensive water we have now."



U.S. Senator Dianne Feinstein

"Recycled water is a critical part of California's water future. It provides our state and region with the ability to 'stretch' existing water supplies significantly."



Congressman

Jerry Lewis, R-41st District

"We need to work together to ensure a safe and reliable water supply for our constituents."



Congressman

Gary Miller, R-42nd District

"As we continue to face water shortage challenges, we must explore and invest in innovative ways to protect and reuse our region's water supplies. Together as a region, we can accomplish this goal."



Congressman

Ken Calvert, R-44th District

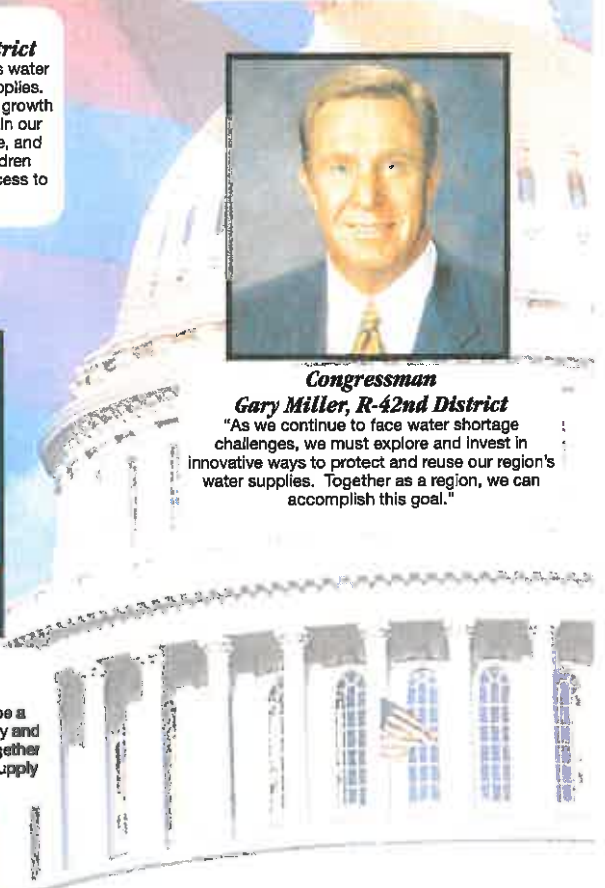
"Ensuring a reliable water supply in the Inland Empire is crucial. Improving water resource management and promoting new water technology will enable California to eventually become a water self-sufficient state."



Congressman

Joe Baca, D-43rd District

"Access to clean drinking water should be a fundamental right for every American family and community. We must continue to work together to best ensure a safe and plentiful water supply for the entire Inland region."



The banner features a background of a blue water droplet with a green leaf resting on it. The text "2011 'Water is Life' Art Poster Contest" is written in a green, serif font. The words "Water is Life" are larger and more prominent than the other text.

2011 "Water is Life" Art Poster Contest

Sponsored
by the
**Inland Empire
Utilities Agency**



Using the theme “Water is Life,” students in Grades K-12 in schools within the service area of the Inland Empire Utilities Agency are invited to create an art poster depicting various water uses, ways to use water more efficiently, or water conservation topics.

- Inside or outside of the home
- At school
- In the environment
- In agriculture
- In business & industry
- In recreation
- Use of drought-tolerant plants
- Use of efficient irrigation systems

RULES:

1. Artwork must be **12” x 18”** in size and drawn on **WHITE** poster board or **WHITE** drawing paper. (Oversized artwork **WILL NOT** be accepted.)
2. Artwork must have **AT LEAST** a **one-inch white or blank border on all four sides**. (A graphics and framing requirement!)
3. Posters **MUST** be drawn **HORIZONTALLY**. Vertical artwork **WILL NOT** be accepted.
4. A “short” water message **MUST** be written on the artwork, but not necessarily the words “Water is Life.” The less words written, the better. Words **MUST** be spelled correctly. **CHECK SPELLING and PUNCTUATION carefully!**
5. **Art media:** Use one or more of the following materials: crayons, pencils, watercolor, paints, markers, ink, pastels, chalk, cut paper or fabric. **BOLD, BRILLIANT & BRIGHT COLORS** are preferred!
6. Artwork must be **ORIGINAL** (no traced, trademarked or copyrighted characters and slogans, such as Snoopy, Sponge Bob, Disney, Dora the Explorer, etc.). No “copycat” ideas of artwork from past posters or calendars. Artwork **MUST be “truly”** the hands-on work of the student and realistically represent the age, grade and developmental skill level of the students. We reserve the right to question or disqualify any artwork.

NEWS RELEASE

INLAND EMPIRE WATER AGENCIES LAUNCH MAJOR PUSH TO EDUCATE LOCAL RESIDENTS ABOUT THE MERITS OF USING CLIMATE APPROPRIATE LANDSCAPING PRACTICES

Water agencies serving nearly 3 million residents in Riverside and San Bernardino counties are hosting workshops to provide information on climate appropriate plants, planting techniques and water efficient irrigation during the weeks leading up to the June 4th grand opening of one-acre water conservation demonstration garden at California State University, San Bernardino

The Home Depot is also supporting the effort by hosting several parking lot sales with special offers on "Inland Empire Garden Friendly" plants

Information about upcoming workshops, sales events and landscaping tips is available at www.iegardenfriendly.org

At some point during the past 100 years, Inland Empire residents lost touch with their natural surroundings.

We've landscaped our homes, businesses, schools and parks with lush, often tropical trees, plants and shrubs that would never survive in our arid climate without substantial amounts of water.

In an effort to reacquaint local residents with climate appropriate landscaping practices, water districts in Riverside and San Bernardino counties are launching a series of landscaping workshops during the weeks leading up to the June 4th grand opening of the new water conservation garden at California State University, San Bernardino.

"We want to re-introduce local residents to what we are calling 'Inland Empire Garden Friendly' plants," said George Aguilar, director of San Bernardino Valley Municipal Water District, which has developed this regional outreach effort with the California State University, San Bernardino Water Resources Institute, Chino Basin Water Conservation District, Eastern Municipal Water District, Inland Empire Utilities Agency, Rancho Santa Ana Botanic Garden and Western Municipal Water District. However, the effort would not be possible without the support of the retail water agencies, which will be sending flyers about the program to each of their customers.

Valley District has also partnered with The Home Depot, which is supporting the outreach effort by offering specials on Inland Empire Garden Friendly plants during a series of parking lot sales events at 10 store locations in April, May and June.

Dates and times of upcoming landscaping seminars and parking lot sales events scheduled for each water district's service area are listed in the attached schedule and are also available at www.iegardenfriendly.com.

"We are grateful that The Home Depot is willing to partner with us to help Inland Empire residents increase their knowledge and use of trees, shrubs and groundcovers that use significantly less water and are just as attractive as the more 'thirsty' alternatives," said Bob Tincher, Valley District's manager of engineering and planning.

Tincher added that replacing water intensive landscaping with Inland Empire Garden Friendly plants is a great way to support local water conservation efforts, since landscaping accounts for nearly 70 percent of local water consumption in the arid Inland Empire area.

"The Home Depot is committed to serving our local communities and adjusting the product mix based on local needs," said Brian Parker, Lawn and Garden Merchant for The Home Depot, adding, "We are responsible corporate citizens and we are proud to partner with Valley District and all of the great organizations involved in the effort to help Inland Empire residents and businesses adopt sustainable landscaping practices that make better use of our limited water supplies."

Parker said The Home Depot makes its plant palette selections with the assistance of nurseries that specialize in selecting attractive, climate appropriate plants that thrive in the western portions of San Bernardino and Riverside counties.

Inland Empire Garden Friendly plants currently account for less than one fifth of Home Depot's plant sales. However, Parker hopes that figure increases as consumers become more knowledgeable about the variety of plants that are locally available to them.

Water district officials also hope that the new water conservation demonstration garden at Cal State San Bernardino will serve as an ongoing educational tool and source of inspiration to encourage local residents to replace their thirstiest plants with Inland Empire Garden Friendly trees, flowers and shrubs.

The one-acre garden will showcase more than 200 varieties of trees, plants and groundcovers. A public grand opening for the garden is scheduled for 9 a.m. Saturday, June 4th and will include workshops throughout the day to address questions involving climate appropriate plants, planting techniques and water efficient irrigation systems.

The garden has been jointly funded by Valley District, the Inland Empire Resource Conservation District, the San Manuel Band of Serrano Mission Indians and California State University, San Bernardino.

For more information about Inland Empire Garden Friendly plants, please visit www.iegardenfriendly.org and contact the following water districts:

- Eastern Municipal Water District, (951) 928-3777, Peter Odencrans, odencransp@emwd.org
- Inland Empire Utilities Agency, (909) 993-1600, Sondra Elrod, selrod@ieua.org

- San Bernardino Valley Municipal Water District, Douglas Headrick, (909) 387-9226 or douglash@sbrvmwd.com
- Western Municipal Water District, Michele McKinney Underwood, (951) 571-7100 or mmckinneyunderwood@wmwd.com

Dates and Times of WaterWise Gardening Workshops

- April 2, 9 a.m. to noon at Western Municipal Water District, 14205 Meridian Parkway, Riverside, (951) 571-7296
- May 14, 9 a.m. to noon, Inland Empire Utilities Agency, 6075 Kimball Avenue, Chino, (909) 993-1600.
- May 21, 9 a.m. to noon, Eastern Municipal Water District, 2270 Trumble Road, Perris, (951) 928-3777.
- June 4, 9 a.m. to noon, California State University, San Bernardino (Coyote Drive Entrance east of 5500 University Parkway on North Park Boulevard), (909) 537-3687.

The Home Depot's Inland Empire Garden Friendly Parking Lot Sales Events

- April 9, 9 a.m. to 2 p.m., The Home Depot, 3323 Madison Street, Riverside
- April 16, 9 a.m. to 2 p.m., The Home Depot, 25100 Madison Avenue, Murrieta
- April 23, 9 a.m. to 2 p.m., The Home Depot, 1355 E. Ontario Avenue, Corona
- May 14, 9 a.m. to 2 p.m., The Home Depot, 14549 Ramona Avenue, Chino
- May 21, 9 a.m. to 2 p.m., The Home Depot, 1401 E. 19th Street, Upland
- May 28, 9 a.m. to 2 p.m., The Home Depot, 12255 Pigeon Pass Road, Moreno Valley
- June 4, 9 a.m. to 2 p.m., The Home Depot, 695 E. Hospitality Lane, San Bernardino

- June 11, 9 a.m. to 2 p.m., The Home Depot, 1151 W. Lugonia Avenue, Redlands
- June 18, 9 a.m. to 2 p.m., The Home Depot, 3150 Case Road, Perris
- June 25, 9 a.m. to 2 p.m., The Home Depot, 3400 W. Florida Avenue, Hemet

IEUA Annual Special Events

FY 2010-2011

Events for Fiscal Year July 1, 2010 - June 30, 2011

San Bernardino County Water Conference – 8/12/10

The County of San Bernardino along with sponsors, promotes a water conference at the Ontario Convention Center. IEUA set up a booth and passed out shower timers with water saving tips along with water-saving fortune cookies. Information was given on recycled water and the water softener as well.

Chino Hills Day at the Fair – 9/24/10

The City of Chino Hills assembled multiple booths for an all day event at the Los Angeles County Fair to teach students about the importance of water conservation. This year, the students made water cycle bracelets in which each bead represents a different part of the water cycle. More than 800 students and teachers visited the booths.

Upland Family Fun Day – 9/18/10

The City of Upland hosted this event at Memorial Park which included music, vendor booths and food. IEUA's booth encouraged water conservation through providing the public with water saving tip brochures, conducting student activities and raffling off promotional giveaway items.

Landscape and Water Conservation Fair – 10/23/10

The annual water fair was held from 9:00 am to 2:00 pm at the Chino Basin Water Conservation District. Activities included performances by the National Theater for Children, mini seminars on proper water irrigation techniques, a native plant sale, along with the distribution of water conservation information and other products.

City of Chino Earth Day Event Briggs Elementary School – 3/31/11

The City of Chino organized an Earth Day Event for Briggs Elementary School. Many vendors participated by handing out promotional items that taught about environmentally friendly topics. IEUA had a booth where the students could learn about water conservation, the water cycle and participate in making a water cycle bracelet.

Cucamonga Valley Water District Earth Day – 4/8/11

The Cucamonga Valley Water District held an Earth Day Event in which the public learned about water conservation, compost and recycling. Water conservation tips, compost, and water conservation activity books were handed out at the event.

City of Chino Earth Day Event Newman Elementary School – 5/20/11

The City of Chino organized an Earth Day Event at Newman Elementary School. Many vendors participated by handing out promotional items that taught about environmentally friendly topics. IEUA had a booth where the students could learn about water conservation, the water cycle and participate in making a water cycle bracelet.

Earth Day Event Chino Creek Park – 4/22/11

IEUA partnered with the City of Chino to promote an Earth Day Event at the Chino Creek Wetlands and Educational Park. Vendors involved the participants in activities and gave away items that were environmentally friendly. A kid's environmental show was performed for the public as well.

Compost Awareness Week – 5/3/11-5/5/11

IEUA partnered with the Inland Empire Composting Facility (IERCF) to hold events during Compost Awareness Week. A community workshop was held on May 3rd to discuss vermicomposting. A Project Learning Tree Workshop was held on May 4th for educators to become familiar with K-12 curriculum focusing on the environment. A vendor day and compost giveaway took place on May 5th for the community.

Chino Creek Wetlands and Educational Park



2nd Annual Bird Festival

November 6, 2010

9:00am-1:00pm

Hosted by the Santa Ana Watershed Association

Games, crafts, and fun for the whole family

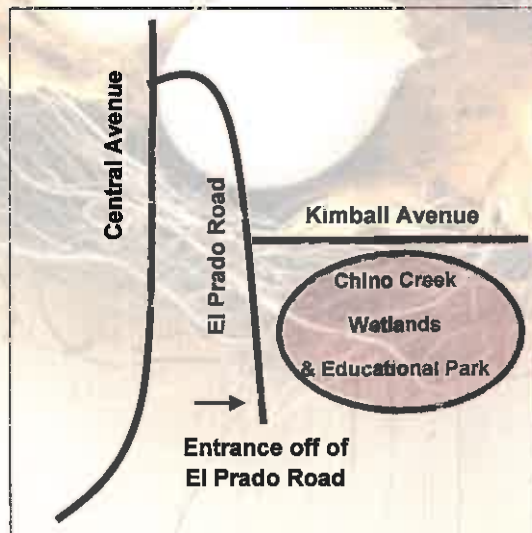
FREE ADMISSION

For more information, please call

909 606-1933 or visit

www.sawaedu.org

15975 El Prado Rd. Chino, CA 91708





Chino Creek Wetlands and Educational Park

Presents:



Annual Earth Day Celebration

Friday, April 22, 2011

1:00 p.m. to 6:00 p.m.

Featuring:

- Environmental Exhibits!
- Hands-on Earth Friendly Activities!
- Free Family Fun!
- H2O Musical Group!
- Performances by local schools!
- And Much More!!!!

To be an Exhibitor:

If your agency or company would like to showcase its environmental friendly programs or services by hosting an exhibit booth, please contact Lucia Diaz at (909) 993-1631 or ldiaz@ieua.org for more information.

Do your students know an environmentally themed song or have an Earth Day related performance? Contact carrie@sawae.du.org for more information!!

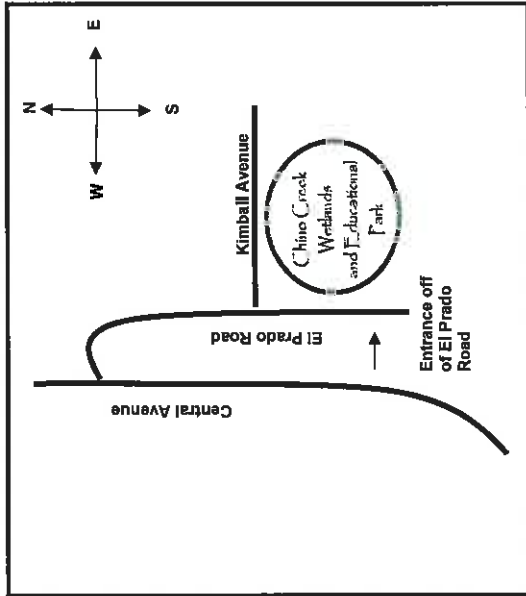
Visit our website at www.ieua.org

Hosted By:



Chino Creek Wetlands and Educational Park was partially funded by a grant from the State Water Resources Control Board. The Earth Day Event is partially funded by a grant from the California Department of Parks and Recreation.

Location



Chino Creek Wetlands and Educational Park



Photo Provided By Susanatha Douglas

Public tours of the park are offered twice a month. Please call for an appointment.

Park Information

Location: 6075 Kimball Avenue

Chino 91708

Hours: Open During

Daylight Hours

Contact: 909.606.1933

www.sawacdu.org

www.icuaa.org/wetlands

Chino Creek Wetlands and Educational Park
6075-D Kimball Avenue
Chino, CA 91708



THE CHINO CREEK WETLANDS AND EDUCATIONAL PARK

The park consists of 22 acres that have been landscaped with a wide variety of California Friendly® trees and grasses and features a state-of-the-art irrigation management system. Some of the key components of the park are the community education elements that weave throughout the site. The park serves as a demonstration area for the community on improving water supply, storm water treatment and water efficiency. It is a place for individuals to enjoy at their leisure as well as a facility to provide educational programs to students.

PARTNERING AGENCIES

Inland Empire Utilities Agency (IEUA)

The mission of IEUA is to supply imported and recycled water; collect, treat, and dispose of wastewater; as well as provide other utility-related services to the community it serves.

The Santa Ana Watershed Association (SAWA)

SAWA is dedicated to the promotion of a healthy Santa Ana River Watershed for wildlife and people. SAWA is an action-oriented 501c3 nonprofit organization.



Water Discovery Program

The Chino Creek Wetlands and Educational Park offers free environmental education programs taught by on-site Naturalists who specialize in focusing on water conservation and watershed issues. They consist of various stations encouraging observation, imagination, and critical thinking while incorporating the California Education Standards. The education programs surround the mission of empowering students with knowledge of water preservation and encouraging motivation to take action in school and at home.



To Book a Field Trip or for more information please contact:
 Andréa Carruthers, Community Outreach and Education Coordinator
 at 909-993-1935 or at
acarruthers@ieua.org



Elements of the Chino Creek Wetlands and Educational Park

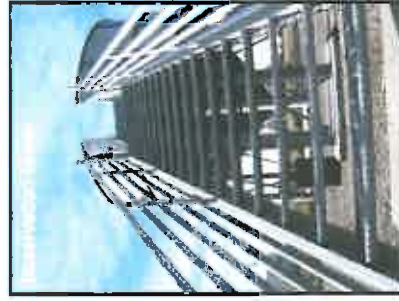
- 22,000 Various Drought Tolerant Plants
- Over 5 Miles of Irrigation
- 1.7 Miles of Trails
- 22 Acres of Habitat
- 6 Connecting Ponds
- 1 Million Gallons of Recycled Water Flowing Through the Wetlands Each Day
- Wildlife Monitoring Stations
- Pipe Garden Illustrating How to Save Water and the Amounts to Be Saved.
- Sponsored by the Chino Basin Water Conservation District

Construction Partially Funded
 by a Grant from the
 State Water Resources Control Board

Park Sponsors
 Chino Basin Water Conservation District
 Chino Rotary Club
 Chino Mayor Dennis Yates
 Griswold Controls
 M Industrial Mechanical, Inc.
 Mimi's Café
 Dave Mendez
 Rain Bird

Monte Vista Water District
 Chino Kiwanis Club
 Chino Council Member
 Earl Elrod
 McKenna General Engineering Contractor

John Deere Landscapes
 Sorptomist International of the Chino Valley
 RCS Equipment Rental
 Starbucks



Water Discovery Field Trip Program Activity Stations & CA Science Standards

Kindergarten

Activity Station: Water Cycle Bracelet Game

1b Students know water can be a liquid or a solid and can be made to change back and forth from one another.

Activity Station: Bird Bingo, Nature Walk

2a Students know how to observe and describe similarities and differences in the appearance and behavior of plants and animals.

3a Students observe common objects by using five senses.

Grade One

Activity Station: Water Cycle Bracelet Game

1a Students know solids, liquids, and gases have different properties.

1b Students know the properties of substances can change when the substances are mixed, cooled, or heated.

Activity Station: Bird Bingo, Nature Walk

2a Students know different plants and animals inhabit different kinds of environments and have external features that help them thrive in different kinds of places.

2b Students know both plants and animals need water, animals need food, and plants need light.

2c Students know animals eat plants or other animals for food and may also use plants or even other animals for shelter and nesting.

2d Students know how to infer what animals eat from the shapes of their teeth (e.g., sharp teeth: eats meat; flat teeth: eats plants).

2e Students know roots are associated with the intake of water and soil nutrients and green leaves are associated with making food from sunlight.

4b Students will record observation and data with pictures, numbers, or written standards.

Grade Two

Activity Station: Bird Bingo, Nature Walk

2a Students know that organisms reproduce offspring of their own kind and that the offspring resemble their parents and one another.

2b Students know the sequential stages of life cycles are different for different animals, such as butterflies, frogs, and mice.

4c Students will compare sort common objects according to two or more physical attributes (e.g. color, shape, texture, size, weight).

Activity Station: Water Cycle Bracelet Game

3e Students know rock, water, plants, and soil provide many resources, including food, fuel, and building materials, that humans use.

Activity Station: Pond Life Microscopes

4e Students will write or draw descriptions of a sequence of steps, events, and observations.

4f Students will use magnifiers or microscopes to observe and draw descriptions of small objects or small features of objects.

4g Students will follow oral instructions for a scientific investigation.

Grade Three

Activity Station: Water Cycle Bracelet Game

1e Students know matter has three forms: solid, liquid, and gas.

1f Students know evaporation and melting are changes that occur when the objects are heated.

Activity Station: Bird Bingo, Nature Walk

3b Students know examples of diverse life forms in different environments, such as oceans, deserts, tundra, forests, grasslands, and wetlands.

3c Students know living things cause changes in the environment in which they live: some of these changes are detrimental to the organism or other organisms, and some are beneficial.

Activity Station: Envirosapes®

3d Students know when the environment changes, some plants and animals survive and reproduce; others die or move to new locations.

4d predict the outcome of a simple investigation and compare the results with the prediction.

Grade Four

Activity Station: Wildlife Observation Study, Nature Walk

2a Students know plants are the primary source of matter and energy entering most food chains.

2b Students know producers and consumers (herbivores, carnivores, omnivores, and decomposers) are related in food chains and food webs and may compete with each other for resources in an ecosystem.

3b. Students know that in any particular environment, some kinds of plants and animals survive well, some survive less well, and some cannot survive at all.

6a Students will differentiate observation from inference (interpretation) and know scientists' explanations come partly from what they observe and partly from how they interpret their observations.

Activity Station: Pond Life Microscopes Study

2a Students know decomposers, including many fungi, insects, and microorganisms, recycle matter from dead plants and animals.

3d Students know that most microorganisms do not cause disease and that many are beneficial.

6f Follow a set of written instructions for a scientific investigation.

Activity Station: Envirosapes®

5a Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes.

5c Students know moving water erodes landforms, reshaping the land by taking it away from some places and depositing it as pebbles, sand, silt, and mud in other places (weathering, transport, and deposition).

Grade Five

Activity Station: Pond Life Microscope Study

2a Students know many multicellular organisms have specialized structures to support the transport of materials.

6a Students will classify objects (e.g., rocks, plants, leaves) in accordance with appropriate criteria.

Activity Station: Water Testing

3a Students know most of Earth's water is present as salt water in oceans, which cover most of Earth's surface.

3b Students know when liquid water evaporates, it turns into water vapor in the air and can reappear as a liquid when cooled or as a solid if cooled below the freezing point.

3c Students know water vapor in the air moves from one place to another and can form fog or clouds, which are tiny droplets of water or ice, and can fall to Earth as rain, hail, sleet, or snow.

6d Students will identify the dependent and controlled variables in an investigation.

Activity Station: Envirosapes®

3d Students know that the amount of fresh water located in rivers, lakes, underground sources, and glaciers is limited and that its availability can be extended by recycling and decreasing the use of water.

3e Students know the origin of the water used by their local communities.

Activity Station: Edible Aquifers

3d Students know that the amount of fresh water located in rivers, lakes, underground sources, and glaciers is limited and that its availability can be extended by recycling and decreasing the use of water.

6d Students will identify the dependent and controlled variables in an investigation.

AS YOU TRAVEL THROUGH THE PARK, ANSWER THE FOLLOWING QUESTIONS. WHEN YOU ARE FINISHED, BRING YOUR ANSWERS BACK TO THE CHECK-IN TABLE TO RECEIVE YOUR PRIZE. DON'T FORGET TO NOTICE THE HINTS THAT WILL HELP GUIDE YOU TO THE PLACES WHERE THE ANSWERS ARE LOCATED.

1. Who said this quote? (Hint: Located where the water runs both under and over you)
"All water has a perfect memory and is forever trying to get back to where it was."

ANSWER: _____

2. What is one tip that will make the town you live in Rightville? (Hint: It's double a half-pipe)

ANSWER: _____

3. What year was the Inland Empire Utilities Agency founded? (Hint: Turn a boat upside down)

ANSWER: _____

4. Where is the mammoth? (Hint: A performance might be held here)

ANSWER: _____

5. Where is the mammoth tusk? (Hint: Don't forget to look up before you go through the boat)

ANSWER: _____

6. How many picnic tables are there? (Hint: Be sure to look throughout the park)

ANSWER: _____

7. Are wetlands water or land? (Hint: Go to the place where you have a bird's eye view)

ANSWER: _____

8. How many gallons of water a day can be saved by running the dishwasher only when its full? (Hint: If pipes were flowers, this is where they would grow)

ANSWER: _____

9. What kind of water runs through purple pipe? (Hint: It is treated water)

ANSWER: _____

AS YOU TRAVEL THROUGH THE PARK, ANSWER THE FOLLOWING QUESTIONS. WHEN YOU ARE FINISHED, BRING YOUR ANSWERS BACK TO THE CHECK-IN TABLE TO RECEIVE YOUR PRIZE. DON'T FORGET TO NOTICE THE HINTS THAT WILL HELP GUIDE YOU TO THE PLACES WHERE THE ANSWERS ARE LOCATED.

1. Who said this quote? (Hint: Located where the water runs both under and over you) *"Clean water is not an expenditure of Federal Funds; clean water is an involvement in the future of our country."*

ANSWER: _____

2. What are two ways to reduce storm water pollution? (Hint: It's double a half-pipe)

ANSWER: _____

3. A person who watches their yard waste, picks up the broom instead of the hose, volunteers and travels wisely, lives in what town? (Hint: It's double a half-pipe)

ANSWER: _____

4. What percentage of the world's water supply is drinkable? (Hint: Boat Clarifier)

ANSWER: _____

5. Where is the mammoth? (Hint: A performance might be held here)

ANSWER: _____

6. Tomatoes are what percent water? (Hint: Boat Clarifier)

ANSWER: _____

7. What birds can be found among the reeds? (Hint: Go to the place where you have a bird's eye view)

ANSWER: _____

8. Without conservation, how much water does the average household use per day? (Hint: If pipes were flowers, this is where they would grow)

ANSWER: _____

9. True or False: Wetlands treat water? (Hint: Located at a free-standing sign)

ANSWER: _____



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Chino Creek Park Education and Events Update

April 2011



Lucia Fuertez Diaz
Senior Site Administrator



Education Program Background

- **Water Discovery Program**
 - Commenced in April 2008
 - Facilitated by Santa Ana Watershed Association (SAWA)
 - Encourages observation, imagination, and critical thinking while incorporating the California Education Standards.
- **Program Funding**
 - Received over \$200,000 in grant funding
 - Funding from the Habitat Conservation Fund Project
 - Water Discovery Program and Bussing Grant Program
 - 50% match share through SAWA and IEUA
 - Includes staff time for SAWA & IEUA, activity station materials, signage, and marketing





Water Discovery Program

- **Grant Funding for Bussing**
 - Grants are up to \$500 each
 - Eligible applicants
 - Formal and non-formal educators, schools, youth organizations
 - Total of **12 field trips** funded as of April 2011
- **Number of field trips**
 - September 2010 – June 2011
 - To-date: **24 field trips** completed and scheduled with **1,300 students**
 - Since it's inception in 2008, over **3,300 students** will have participated in the program by June 2011





Volunteer Program

- **Established 2009**
- **Coordinate with SAWA and HandsOn Inland Empire**
 - Various events with Inland Empire WaterKeeper
- **390 Volunteers have participated in the program**
- **Volunteer Events**
 - Held every 2 to 3 months
 - Saturdays 8:00a.m. – 12:00p.m.



Inland Empire WATERKEEPER.





World Water Day

- **SAWA facilitated two World Water Day events**
 - March 22, 2011 & March 29, 2011
 - Total of 153 girls from Girl Scouts of the U.S.A participated in the event to earn their Water badge.
- **Featuring Hands-On Activities**
 - Water Experiments
 - “Made of Water” activity
 - Snake Encounter
 - Park Scavenger Hunt





Earth Day 2011



- **Agency Annual Earth Day Celebration**

- Friday, April 22, 2011

- 1:00 – 6:00p.m.





Earth Day 2011

- **Annual Earth Day**
 - Partnering with the City of Chino and SAWA.
 - City of Chino will be bussing 150 students to the event
 - 50 Active Seniors from the local assisted living center.
 - Estimated attendance to be 800 people from IEUA's service area
 - Thank you to the Board of Directors for funding busses for 350 students to participate in the event.
- **Featuring**
 - Environmental Exhibits
 - Hands-On Earth Day Activities
 - "All that Trash" Performance by Razzle Bam Boom
 - Performances by local students
 - Blood Drive hosted by LifeStream
 - Free to the public
- **Earth Day Event Funding**
 - Over \$38,000 in grant funding
 - Habitat Conservation Fund Project





Upcoming Events

- **Compost Awareness Week**
May 2, 2011 – May 6, 2011
 - Partnering with SAWA to conduct two **FREE** workshops
 - Vermicomposting Demonstration and Community Workshop
 - Project Learning Tree – Municipal Solid Waste
 - **May 5th 2011 – Vendor Day**
 - Compost Giveaway
 - Vendor Meet and Greet





New Grant Opportunity



- **State of California Department of Parks and Recreation**
- **Prop 84 Funding**
 - Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Prop 84)
- **Nature Education Facilities Program**
 - Chino Creek Wetlands and Educational Park, Phase II
 - Requested grant amount \$3,673,000
- **Phase II Project**
 - Park Restrooms – Storage Facility
 - Pervious Concrete Park Parking Lot
 - Park Pavilions (3)
 - Outdoor Interpretive Area





Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Questions?



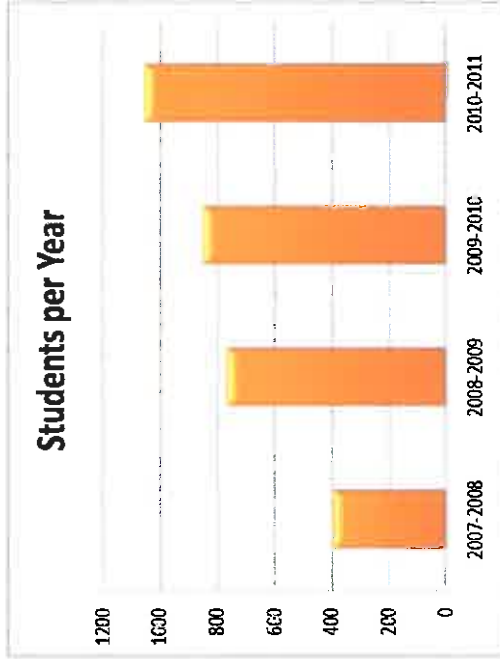
A Walk in the Park... a Wetlands Experience

Inland Empire Utilities Agency
Chino Creek Wetlands and Educational Park
Developed by: Lucia Diaz & Andrew Kanzler

The Chino Creek Wetlands and Educational Park is located within the Southern California Chino Basin Watershed Management Area. The Park demonstrates natural water treatment, upland habitats and environmental education. The education program known as the Water Discovery Program promotes the value of natural treatment wetlands, habitat for endangered/sensitive species and environmental stewardship.



In the southwest region of San Bernardino County, the Chino Creek Wetlands and Educational Park demonstrates natural water treatment, upland habitats and environmental education. The educational components are facilitated through interactive walking trails that have informational signage throughout, information centers, scheduled tours, the distribution of educational pamphlets and materials, and presentations provided for local/regional schools.



Inland Empire Utilities Agency (IEUA) utilizes the Water Discovery Education Program in its Educational and Outreach Activities. The program is designed to reconnect students with the environment by offering surrounding schools and community members the opportunity to participate in outdoor field trip style experiences at no cost. The program encourages observation, imagination and critical thinking skills while incorporating the California Education Standards. The education programs empower students with the knowledge of water conservation and motivate action in schools and at home.



To increase community involvement and environmental awareness, SAWA and IEUA created the Garden in Every School® (GIES) Demonstration Garden to inspire youth to take action in their communities and the environment by developing a grassroots project on their own. Student volunteers assisted in the development and completion of the garden project. Through IEUA, the GIES Program provides enrichment for local schools and the community by creating both a water conservation educational program and by installing low water use demonstration gardens throughout the Agency's service area.



Lucia Diaz
Inland Empire Utilities Agency
6075 Kimball Ave.
Chino CA, 91708
www.ieua.org

Building of the managed wetlands/riparian and vegetated banks provided an environment for potential inhabitants; sensitive and endangered riparian-dependent species, including the Least Bell's Vireo and Southwestern Willow Flycatcher, and potentially 20 other species of concern in California. Local Audubon society's will benefit by having an accessible wetland/riparian habitat and an observation tower for viewing.

Grant funding has been secured through the State of California Department of Parks and Recreation for the Water Discovery Program including a bussing grant program. The additional funding allows the Agency to offer more formal and non-formal educators, schools and youth organizations the opportunity to participate in the education program. The program has reached over 3,000 students since 2008.

Annual Regional Water Fair

FY 2010-2011

Landscape & Water Conservation Fair 2010

Saturday, October 23rd ~ 9 am to 1 pm

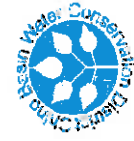



Fun for Kids & Adults

- Free raffles & exhibits
- \$2 pancake breakfast
- Giant slide & face painting
- Petting zoo
- Water wise plant sale
- Landscape & irrigation vendors
- Water conservation education
- Pumpkin patch
- Children's Theater
- Free buckets (1 per family)
- Water wise demo garden
- Free workshops and tours

Location:

Chino Basin Water Conservation District
4594 San Bernardino St., Montclair
909-626-2711 www.cbwcd.org
(West of Monte Vista; South of the 10 Fwy)



 Printed on Recycled Paper

Join Us at the

Landscape & Water Conservation Fair 2010

Saturday, October 23, 2010
9am - 1pm

free

WATER
FAIR
AVE WATER!

FUN for Kids & Adults

- Water conservation education
- Free raffles and exhibits
- \$2 Pancake Breakfast
- Pumpkin Patch
- Giant Slide
- Petting Zoo
- Water wise plant sale
- Garden Tours
- Children's Theater
- Giveaways
- Snow Cones

LOCATION

Chino Basin Water Conservation District
4594 San Bernardino St., Montclair
(South of the 10 fwy., West of Monte Vista)
909 626-2711 www.cbwcd.org



For more information on water-wise landscaping,
visit www.ieua.org

Sponsored By: Chino Basin Water Conservation District, Chino Basin Watermaster, Cities of Chino, Chino Hills, Covina, Glendora, La Verne, Ontario, Pomona, Upland, Covina Irrigation Company, Cucamonga Valley Water District, Fontana Water Company, Golden State Water Company, Inland Empire Utilities Agency, Metropolitan Water District of Southern California, Monte Vista Water District, Rowland Water District, San Antonio Water Company, Three Valleys Municipal Water District, Valencia Heights Water Company, Walnut Valley Water District

Landscape & Water Conservation Fair 2010

Saturday, October 23, 2010

9 am to 1 pm

FUN for Kids & Adults

Water conservation education

Free raffles and exhibits

\$2 Pancake Breakfast

Pumpkin Patch

Giant Slide

Petting Zoo

Water wise plant sale

Garden Tours

Children's Theater

Giveaways

Snow Cones



LOCATION

Chino Basin Water Conservation District

4594 San Bernardino St., Montclair

(South of the 10 fwy., West of Monte Vista)

909-626-2711 www.cbwcd.org

Sponsored By: Chino Basin Water Conservation District, Chino Basin Watermaster, Cities of Chino, Chino Hills, Covina, Glendora, La Verne, Ontario, Pomona, Upland, Covina Irrigation Company, Cucamonga Valley Water District, Fontana Water Company, Golden State Water Company, Inland Empire Utilities Agency, Metropolitan Water District of Southern California, Monte Vista Water District, Rowland Water District, San Antonio Water Company, Three Valleys Municipal Water District, Valencia Heights Water Company, Walnut Valley Water District





Chino Basin Water Conservancy



Chino Basin Water Conservation District





Chino Basin Water Conservation District Ch

KIDS ZONE







Chino Basin Water Conservation District



PUMPKINS & LEADS

Pumpkin Decorating Contest

Pumpkin Decorating Contest

29





Chino Basin Water Conservation District



ASK THE EXPERT

FILE YOUR

ASK THE EXPERT



IEUA Water Softener Rebate Program

FY 2010-2011

IEUA Water Softener Rebate Program Description

On September 15, 2008, Inland Empire Utilities Agency (IEUA) launched its Water Softener Removal Rebate Program. This project is in the third phase of the Agency's Salinity Reduction Program that is addressing the impacts of automatic water softeners on IEUA's recycled water.

The goal of the project was to demonstrate the transferability of a financial incentive "rebate" for the removal of residential self-regenerating water softeners within the service area of IEUA.

In Fiscal Year 2010-2011, 407 water softeners were removed with \$270,454 incentives paid to program participants. The removal of these devices will save approximately 7.74 acre-feet of water per year in addition to the removal of 94.01 tons of salt. Since program inception, 407 water softeners were removed, with \$270,454.10 of incentives paid to program participants.

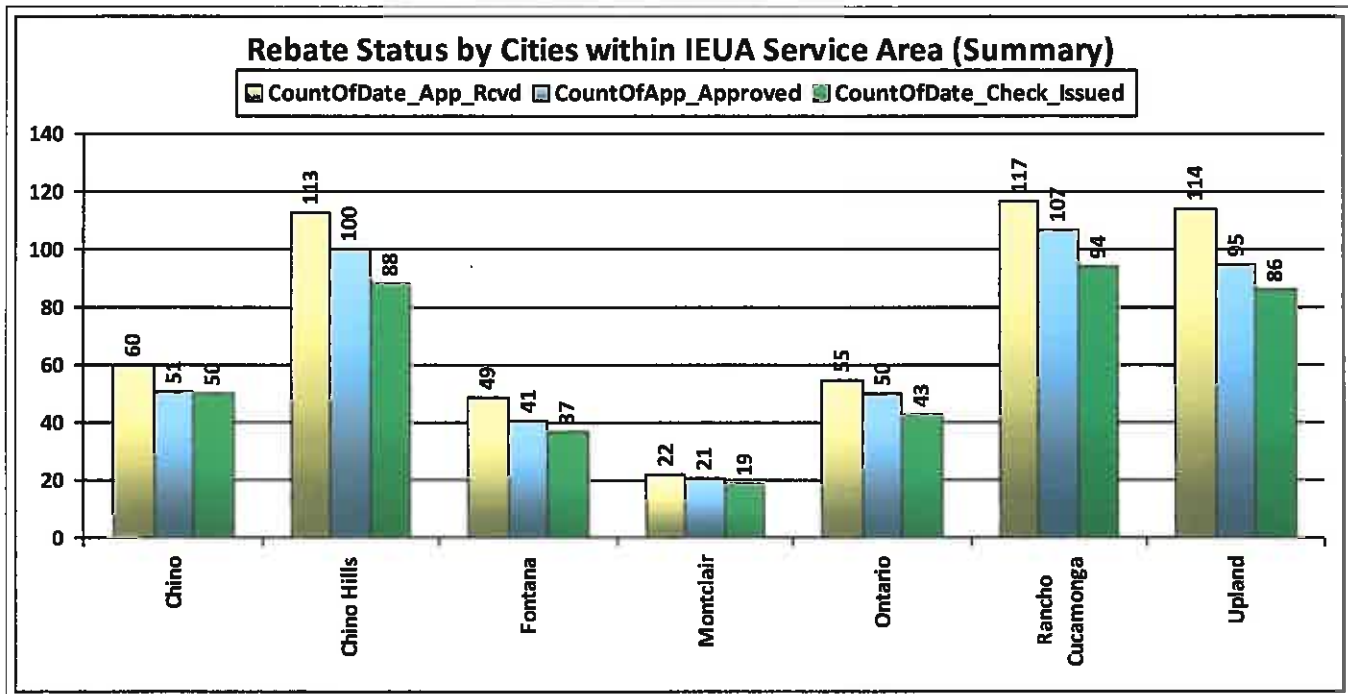
Water Softener Rebate Program Summary

	FY 2010-2011 Summary	Cumulative Program Summary
Water Softeners Removed	188	407
Rebate Incentives Issued	\$132,916	\$270,454
MWD Grant Reimbursed to Date	\$95,000	\$95,000
Amount of Salt Avoided (Tons/Year)	43.43	94.017
Water Savings (AFY)	3.58	7.744

Rebate Applicants by Cities within IEUA (Summary)

Based on APPLICATIONS received between 7/1/2008 and 6/30/2011

City	Inquired	% of Total	App. Approved	% of Total	SRWS Removed	% of Total
Chino	60	11%	51	11%	50	12%
Chino Hills	113	21%	100	22%	88	21%
Fontana	49	9%	41	9%	37	9%
Montclair	22	4%	21	5%	19	5%
Ontario	55	10%	50	11%	43	10%
Rancho Cucamonga	117	22%	107	23%	94	23%
Upland	114	22%	95	20%	86	21%
Total:	530		465	87.7%	417	78.7%



**Are you going to buy
or sell a home?** Take
advantage of the
**Automatic Water
Softener Removal Rebate**
now! It's a **Win-Win!**

it puts more money in your pocket and
protects recycled water for our future.



FACT

Automatic water softeners leave a **salty waste** that **harms**
our recycled water efforts aimed to ensure our community
has a reliable water source for the future.

TAKE ACTION

Remove your home's automatic water softener and get a
rebate up to \$2,000 and free disconnection and removal.
It's that easy.

Brought to you by the Inland Empire
Utilities Agency in partnership with
your local water provider

Visit www.IEUA.org/watersoftener.html
or call (909) 993-1550 today to get
your rebate.



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Our Automatic Water Softener Removal Rebate is a **WIN-WIN!**

It puts more money in your pocket (up to **\$2,000**) and **protects recycled water** for our future.

FACT

Automatic water softeners leave a *salty waste* that *harms our recycled water efforts* aimed to ensure our community has a reliable water source for the future.

TAKE ACTION

Remove your automatic water softener now and get a rebate up to \$2,000 and free disconnection and removal. *It's that important.*

Brought to you by the Inland Empire Utilities Agency in partnership with your local water provider

Visit www.IEUA.org/watersoftener.html or call (909) 993-1550 today to get your rebate.



Residents of the following cities qualify:
•Chino •Chino Hills •Fontana •Montclair •Ontario •Rancho Cucamonga •Upland
•Cucamonga Valley Water District •Monte Vista Water District





Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

SALT MANAGEMENT FACT SHEET

www.ieua.org/watersoftener.html

CONTINUED DEVELOPMENT OF LOCAL WATER SUPPLIES—groundwater, stormwater and recycled water—is essential to the future economic health of our community as Southern California’s water shortages are expected to continue for many years.

RECYCLED WATER IS OUR MOST SUSTAINABLE AND DROUGHT-PROOF SUPPLY and it is rigorously treated so that it meets and exceeds stringent state and federal regulatory standards. More than 500 sites including cities, parks, schools, farms and businesses are using recycled water in our community.

SALT IS THE SINGLE MOST IMPORTANT CONSTRAINT TO OUR GROUNDWATER AND RECYCLED WATER SUPPLIES. To protect the quality of our water, regulatory agencies have set strict limits for the amount of salt allowed in recycled water and the water used to replenish groundwater basins.

OUR CITIES AND WATER AGENCIES HAVE INVESTED HUNDREDS OF MILLIONS OF DOLLARS over the past forty years to keep salt out of the regional sewer system. The biggest remaining challenge for our area is salt discharge from self-regenerating water softeners used in homes—the type to which you add salt. **An estimated 18,000 households use self-regenerating water softeners in our community, discharging more than 3,000 tons of salt every year.**

IF THE SALT DISCHARGE FROM SELF-REGENERATING WATER SOFTENERS IS NOT CONTROLLED NOW, we will face two expensive options that could cost residents over \$400 million: construct additional treatment systems for the regional water system or increase our dependence on expensive unreliable imported water supplies.

IEUA OFFERS REBATES UP TO \$2,000 (plus free plumbing service) for the voluntary removal of self-regenerating water softeners. To date, residents have removed more than 386 self-regenerating water softeners, preventing nearly 70 tons of salt per year from entering the regional sewer system.

A REGIONAL TASK FORCE COMPRISED OF CITY AND WATER AGENCY REPRESENTATIVES was created to identify the best way to control salt discharges resulting from use of self-regenerating water softeners. **The Task Force and the Regional Technical and Policy Committees unanimously recommended that a new ordinance be adopted to prohibit the future installation of self-regenerating water softeners.** Self-regenerating water softeners that are currently installed in homes would not be impacted by the new ordinance.

YOU CAN STILL HAVE YOUR WATER SOFTENER ... JUST WITHOUT THE SALT!



Commonly used water softeners require bags of salt to be added, and discharge about one pound of salt per day into the regional sewer system.



Controlling salt is vital to protecting local water supplies of the Inland Empire. One way to protect these water supplies is to use water softeners that do not release salt into the regional sewer system.

¡Nuestro nuevo reembolso para deshacerse de los ablandadores automáticos de agua es una propuesta en donde **TODOS GANAMOS!**



Ponga más dinero en su bolsillo (hasta \$2,000) y **proteja el agua reciclada** para nuestro futuro.

HECHO

Ablandadores automáticos de agua dejan *desechos salados* que hacen daño a nuestros esfuerzos para *reciclar el agua* que tienen como objetivo asegurar que nuestra comunidad tenga una fuente de agua confiable en el futuro.

TOME ACCIÓN

Quite su *ablandador automático de agua* ahora y reciba un reembolso de hasta \$2,000 con desconexión y despojo gratis. **Es así de importante.**

Patrocinado por el Inland Empire Utilities Agency conjuntamente con su proveedor local del agua.

Visite www.IEUA.org ó llame al (909) 993-1550 hoy para obtener su reembolso.



Inland Empire
UTILITIES AGENCY



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Self-Regenerating Water Softener Ordinance

Public Hearing

June 15, 2011

Why are Water Softeners a

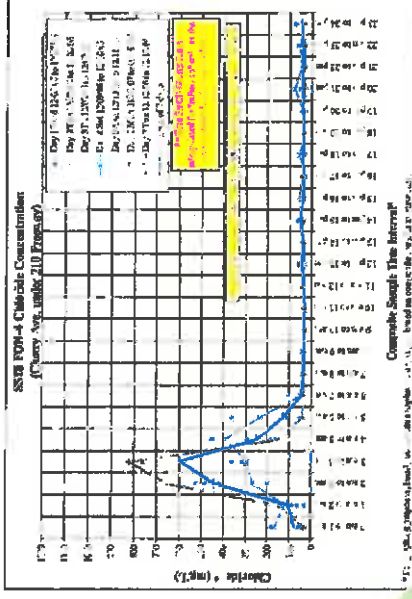
Problem?

Self regenerating water softeners require **salt**

18,000 IEUA households, maybe more, have them

They discharge over **3,000 tons of salt** each year into the regional water system

Salt is the **single most important constraint** to recycled and groundwater supplies.



Economic Impacts of Salt

Potential Effects

- Loss of reliable recycled water
- Reduce availability of groundwater supplies
- Increase dependence on expensive and unreliable imported water
- Need to construct expensive new treatment systems

Potential Community Costs

- \$435 million* to desalt recycled water
- ~OR~
- Up to \$439 million* if recycled water must be replaced with imported water

* Estimates are prior to MWD's recent rate increases which have almost doubled the cost of imported water

Keeping salt out is less expensive

17,289

- Tons of salt kept out of the regional sewer system because of brine line use every year

\$290

- \$ Per ton of salt that goes down the brine line (keeping salt out before it reaches the regional sewer system)

\$828

- \$ Per ton of salt removed during sewage treatment process (taking salt out once it is in the water)

\$538

- **NET \$\$\$ SAVINGS** (by keeping salt out of the regional sewer system)

Salinity Management History

1966- Salinity management started with construction of North Non-reclaimable Brine Line

2002- Salinity Management Action Plan adopted

2004 Maximum Benefit Plan set TDS permit limits- **requires management of salinity for all sources of TDS**

Prior to 1999 most contracting agencies had water softener bans in place

1999 lawsuit invalidated all water softener ordinances in California

2009 AB 1366 allows local agencies to adopt new water softener control ordinances

On February 3 the Regional Technical and Policy Committees unanimously voted to recommend IEUA and contracting agencies adopt **ordinances that prohibit future installations of self-regenerating water softeners**

Recommended Draft Amendment to IEUA Ordinance 87:

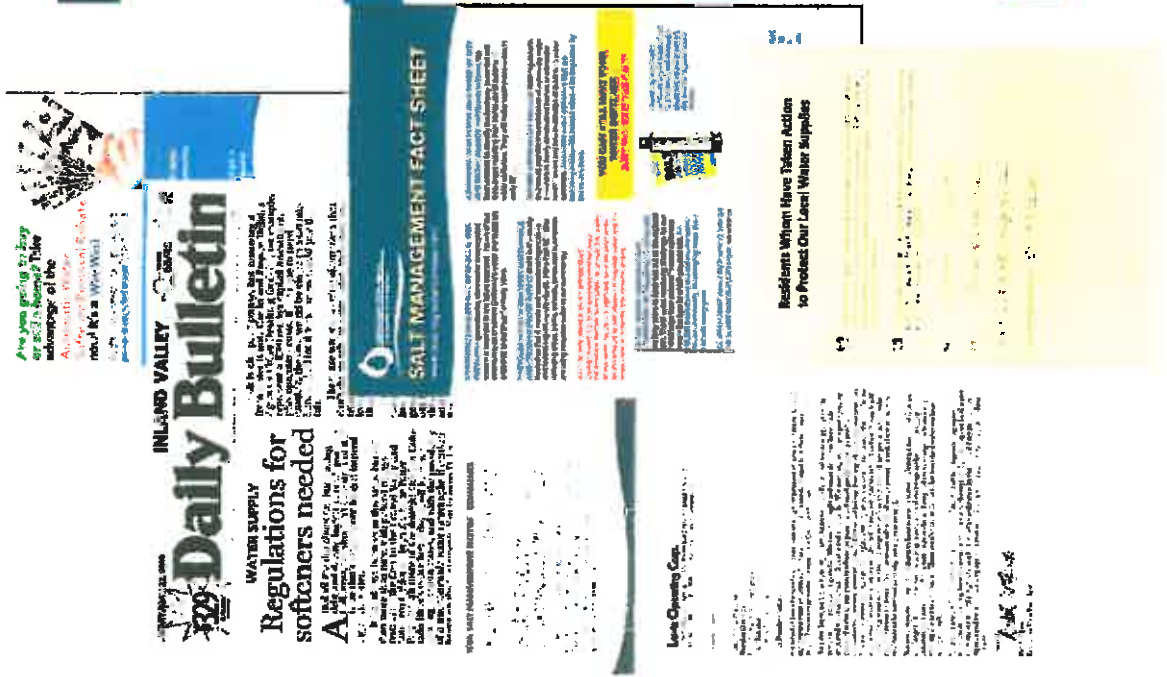
Future installation prohibited

Local ordinances required

Exchange Tanks OK

Voluntary rebate program will continue

Community Support



Informational Workshops for City Councils

- City of Fontana: January
- City of Upland: February
- City of Rancho Cucamonga: June

Community Briefings

- **Business Groups:** Building Industry Association; Water Quality Association; Inland Valleys Association of REALTORS
- **Service Groups:** Rotary and Kiwanis: 12 briefings
- **Chambers of Commerce:** Montclair and Fontana

Voluntary Removal and Rebate

- Over **400** residents have voluntarily removed their self-regenerating water softeners.
- This keeps over 70 tons of salt per year from entering the regional sewer system

Draft Ordinance Support

- **23** statements of support from local businesses, state and regional regulators and environmental organization.
- **111** letters of support from residents in the IEUA service area.

Next Steps

Questions and Comments

IEUA Public Hearing:

June 15, 2011, 6:00 PM

IEUA Ordinance Adoption:

July 2011

Contracting agencies public hearing/ordinance adoption:

August 2011 and ongoing



IEUA Member Agency
Public Outreach and Educational Materials
FY 2010-2011

- **Fontana Water Company**
- **City of Chino Hills**
- **City of Upland**
- **Cucamonga Valley Water District**
- **City of Ontario**
- **Monte Vista Water District**

ATTENTION!

ATTENTION!

Inland Empire Apartment Owners & Property Managers

"Hurry while supplies last!"

Your local water agencies are offering a **high efficiency toilet installation program** to you for a nominal fee. For **\$40 per unit installed**, you can save as much as **14,000 gallons per year** for each device. This program only replaces toilets that are **3.5 gallons per flush (gpf)** or more.



A value of over \$300 per unit installed!

Your Package Includes:

- Toilet Installation
- A Quality High Efficiency Toilet
- Wax Ring, Bolts and Installation Hardware
- A Six-Month Customer Service Guarantee

How to verify if your toilet qualifies for this program:

Look at the space on your toilet bowl between the seat and the tank for a **stamp** that indicates your GPF.



Look at the design on the lower part of your toilet. The shape illustrated below means toilet **doesn't** qualify.



Look under the tank lid/side of tank for a **stamp** which shows the **manufacturing date** (must be prior to 1992) **OR** the GPF.



Please Contact Bottom Line Utility Solutions at:

1-800-597-2835
redelstein@bottomlineutilities.com

(909) 993-1520
For a Water Agency Representative

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For a Water Agency Representative

ATTENTION!

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Inland Empire Single Family & Condo Owners

"Hurry while supplies last!"

Your local water agencies are offering a

high efficiency toilet installation program to you for a nominal fee.

For **\$60 per unit installed**, you can save as much as **14,000 gallons** per year for each device.

This program only replaces toilets that are **3.5 gallons per flush (gpf)** or more.



A value of over \$300 per unit installed!

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For a Water Agency Representative

IEUA Member Agency Public Outreach &
Educational Materials

FY 2010-2011

Fontana Water Company



Gardening Workshop for the Home

Fontana Water Company is offering FREE Gardening Workshops to its customers .

- ◆ Garden Design Concepts workshop on Saturday, May 21st. This workshop focuses on concepts and ideas that factor in plant material and environmental settings for a water efficient garden.
- ◆ Drought Tolerant Plants workshop on Saturday, June 11th. This workshop is about plant selection, general plant classification, and maintenance. Handouts, giveaways, and snacks included. HURRY, seating is limited for each Workshop.

Saturday ◆ Garden Design May 21st or Drought Plants June 11th ◆ 9 am—12 pm

Event location:

Fontana Water Company
15966 Arrow Route
Fontana, CA 92335

Workshop limited to Fontana Water Company customers only. 35 seats available for each date. Call (909) 822-2201 to register for this event.

FREE Gardening Workshop

**SPACE IS LIMITED!!
REGISTER TODAY.**

Fontana Water Company is offering to its customers a **FREE** gardening and landscaping class.

Its time to learn how to have a green thumb even in a drought. Come learn about:

- Creating a water efficient garden and landscape by using drought tolerant plants and materials.
- Learn about different irrigation systems and effective use for different type of plants.
- Also get training on new technology that allows for more accurate control of irrigation schedules with "smart" controllers.

Get a **FREE** "smart" irrigation controller for attending.

**ONLY
30 SEATS AVAILABLE**

Dates:
Saturday
June 25, 2011

Time:
9:00 am to 12:00 pm

Event is for Fontana Water Company customers only.
Gardening class held at Fontana Water Company's Office located at 15966 Arrow Route, Fontana, CA 92335. Register at front lobby or call (909) 822-2201



Gardening Workshop for the Home

Fontana Water Company is offering to its customers
FREE Gardening Workshops.

**Space is limited for each workshop!!!
Register today.**

✿ Garden Design Concepts workshop focuses on concepts and ideas that factor in plant material and environmental settings for a water efficient garden.

Saturday, March 26th from 9:00 am to 12:00 pm

✿ Drought Tolerant Plants workshop is about plant selection, general plant classification, and maintenance.

Saturday, April 9th from 9:00 am to 12:00 pm

Handouts, giveaways, and snacks are included.
HURRY, seating is limited for each Workshop.

**Workshop limited to Fontana Water
Company customers only.**

Gardening Workshop held at Fontana Water Company's Office
located at 15966 Arrow Route, Fontana, CA 92335. Please
register at front lobby or call (909) 822-2201 for more information.



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- Also get training on new technology that allows for more accurate control of irrigation schedules with "smart" controllers.

Get a **FREE** "smart" irrigation controller for attending.

**ONLY
60 SEATS AVAILABLE**

Dates:
Saturday
January 29th &
February 26th

Time:
9:00 am to 12:00 pm

Event is for Fontana Water Company customers only.
Gardening class held at Fontana Water Company's Office
located at 15966 Arrow Route, Fontana, CA 92335. Register at
front lobby or call (909) 822-2201





Fontana Unified School District

9680 Citrus Avenue · P.O. Box 5090 · Fontana · CA 92334-5090 (909) 357-5000

January 10, 2011

Mr. Robert Young, General Manager
Fontana Water Company
15966 Arrow Route
Fontana, CA 92335

Dear Mr. Young:

On behalf of all the students, the parents and the staff of the Fontana Unified School District, we want to thank you and the Fontana Water Company for your generous funding of the recently completed water conservation program.

At a time when our entire community is struggling with the effects of the slow economy, the school district has had to take every step possible to save money and remain focused on our primary mission: educating our youth.

Thanks to Fontana Water Company's efforts, the FUSD will see an annual saving of approximately \$32,000 per year in water costs. In addition, we expect to see significant savings in our operations and maintenance budget thanks to low-maintenance landscape irrigation equipment. Those savings will be with us for many years into the future.

The \$320,000 spent by Fontana Water Company was used to purchase 301 new high efficiency toilets, 85 ultra-low volume (1 pint) urinals, 1,590 high efficiency nozzles for pop up spray heads and 13 smart irrigation controllers. The annual savings are estimated to be 34 acre-feet with, and the lifetime savings 531 acre-feet.

In addition, the FUSD will be able to practice what we teach by being very conscientious about how we use all our resources; water, energy and human.

Again, the Fontana Unified School District extends its thanks to you and your staff for bringing this project to fruition. We look forward to working with you on additional beneficial community projects.

Sincerely,


Alejandro Alvarez, Associate Superintendent
Business Services

AA:mdj

BOARD OF EDUCATION
Kathy Binks
BarBara L. Chavez
Leticia Garcia
Sophia Green
Gus Hawthorn

SUPERINTENDENT
Cali L. Olsen-Binks

San Bernardino Sun

Fontana schools tout water-saving toilets

Josh Dulaney, Staff Writer

Posted: 09/27/2010 09:38:37 PM PDT

FONTANA - Cali Olsen-Binks, superintendent of the school district, has heard plenty of wisecracks about school spending and money going down the drain.

But she's serious about a new water conservation partnership with the Fontana Water Co., a division of the privately owned San Gabriel Valley Water Co., that is bringing high-efficiency toilets and irrigation systems to five schools this fall.

"It allows us to take many of our schools that are (old) and allows us to modify them," Olsen-Binks said. "We do appreciate it and feel it's a good thing."

Water company officials say they are funding the program, which includes "smart" irrigation controllers and high efficiency sprinkler nozzles, and will cut water use by more than 11 million gallons a year at the schools.

"Initial estimates project that the district will save approximately \$32,000 per year in water costs over the life of the project," Alejandro Alvarez, Fontana Unified's associate superintendent of business services, said in a statement. "In addition, the school district estimates it will also reduce spending on landscape maintenance by upgrading its existing equipment."

The five schools that will receive the retrofits are Juniper Elementary, Almeria Middle, Sequoia Middle, Southridge Middle and Fontana High.

The project includes a complete retrofit of the five schools, with a total of 288 new high-efficiency toilets, 89 ultra-low volume urinals, 1,590 high efficiency nozzles for pop-up spray heads and 13 smart irrigation controllers.

The estimated cost of the hardware installation for the project is \$320,000. Work is under way and is expected to be wrapped up in late October.

Fontana schools tout water-saving toilets

Josh Dulaney, Staff Writer
San Bernardino County Sun

Posted:09/27/2010 09:38:37 PM PDT

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Close Window

Send To Printer



MEDIA RELEASE

City of Fontana

8353 Sierra Avenue

Fontana, California 92335

FOR MORE INFORMATION CONTACT:

Bianca Gutierrez, Community Services Coordinator

Telephone: (909) 349-6946

E-Mail: bgutierrez@fontana.org

FOR IMMEDIATE RELEASE

Fontana Days Run 2011 ***"Run Like the Wind"***

Fontana, California, March 28, 2011. The Mayor and City Council invite the public and runners from around the world to the 56th Annual Fontana Days Run on Saturday, June 4. The half marathon course will start in Lytle Creek near Applewhite Campground and finish in front of City Hall in Downtown Fontana. The Fontana Days Run began in 1955 with about 200 participants. Last year the race sold out with just over 2,000 participants. The historical course is recognized by the USATF as the world's fastest half marathon course, due to its gradual downward slope.

This year's major sponsor is the Fontana Water Company. The Fontana Water Company has been serving the City of Fontana since 1945 and encouraging residents to please use water wisely. Visit www.fontanawater.com for tips and information on water conservation, water quality and other helpful water updates. Additional sponsors include the Auto Club Speedway and Manheim of Southern California. "The contributions and support from our sponsors are a big part of making this year's event a great success." said Bianca Gutierrez, Special Events Coordinator with the City.

This year's Host Hotel is the Hilton Garden Inn of Fontana located on Sierra Avenue just south of Interstate 10. The hotel is offering a special rate for run participants. Mention the "Fontana Days Run Rate" to receive a discount on your stay. Contact the Hilton Garden Inn at (909) 822-7300 for full details.

A new addition to this year's festivities is the Finish Line Fitness Expo, which will be from 7:00 am to 11:30 am. The expo will include a live band, food and vendors with health and fitness information as well as product demonstrations. One of this year's vendors is Popchips, a healthy snack alternative to fried chips. They will be offering samples to participants and spectators in attendance.

Everyone is encouraged to stay up to date with the Fontana Days Run by joining the fan page on Facebook, go to www.facebook.com/fontanadaysrun and get up to date news, running tips, and other important information about the Run.

Still need to register? Sign up for the half marathon, the 5k race, the 5k family fitness walk or the children's dash at active.com, or contact the Community Services Department to request a registration form at (909) 349-6900. Be sure to register early, last year's Run was sold out!

Looking to get involved? If you, your business and/or your employer are interested in being a part of this family friendly, fitness focused event, there are many other sponsorship and volunteer opportunities available. Please contact the Fontana Community Services Department for more information at (909) 349-6900, information is also available online at www.fontanadaysrun.org.

###

**IEUA Member Agency Public Outreach &
Educational Materials**

FY 2010-2011

City of Chino Hills



City of Chino Hills 11th Annual Water Conservation Design-a-Sign Contest



This Year's Theme

Catch Those Drops



Winning posters are made into street signs and displayed at the winners' schools, before they are permanently installed in the City.

**Grades
Kindergarten - 12th**

Students who live or attend school in Chino Hills are eligible to enter.

Poster Info: (Complete Rules on Back)

Size 12" x 18" Poster Board

Must Use Hand-Applied Mediums in Bold, Bright Colors
(pens, crayons, paint, pencil)

Must Use Theme : "Catch Those Drops, Don't Let Them Get Away"

Vertical Posters Only - Horizontal Posters Cannot Be Made Into Signs

Win a Free Pizza Party for your Class!

The class that submits the largest percentage of signs, according to their class size, wins a class pizza party!



**Official Rules
and Entry Form
on Back**

All entries must be submitted to City Hall, 14000 City Center Drive, by 5:00 p.m. on Thursday, March 24th.

Entries Must Be Submitted To
Chino Hills City Hall
(Main Receptionist)
14000 City Center Drive
Chino Hills, CA 91709
by 5:00 p.m., on Thursday, March 24th



Contest Rules

Poster contest entries must comply with **ALL** of the following criteria to meet eligibility requirements. If you have any questions, please call Public Works at (909) 364-2804.

1. Artwork must be **12" x 18" WHITE POSTER BOARD**. (ENTRIES NOT ON POSTER BOARD WILL BE DISQUALIFIED.)
2. Posters **MUST** have **AT LEAST** a one-inch white or blank border on all four sides.
3. Only posters drawn **VERTICALLY** will be accepted (12" W X 18" H).
4. Use **BOLD, BRIGHT, BRILLIANT** colors.
5. Poster must depict water conservation or wise uses of water.
6. The theme is "**Catch Those Drops, Don't Let Them Get Away!**"
7. All artwork should include a **SHORT** water message written on the poster.
8. Artwork must be **ORIGINAL**. No computer generated, trademarked, or copyrighted material.
9. Each poster must include a completed **Entry Form** (attach to the center back of the poster).

A panel of judges will make the final selections during the week of March 28, 2011 and winners will be notified within one week. Winners from each grade, and their posters, will be acknowledged at the Chino Hills City Council meeting on Tuesday, April 26, 2011. All winners will receive a certificate of participation.

The winning posters will be on display starting in May, for Water Awareness Month. The schedule is noted below:

Chino Hills City Hall
The School of the Winner

May 2011 through June 2011
June 2011 through December 31, 2011

The class that submits the largest percentage of signs, according to their class size, will win a class pizza party!

DETACH HERE AND ATTACH ENTRY FORM TO BACK (Center) OF POSTER

Participant's Name _____ Grade _____

School _____ School Phone (____) _____

Teacher _____ School District _____ Chino Valley Unified School District

Home Address _____

Home Phone (____) _____ Participant's Signature _____

Parent/Guardian Signature* _____

Parent/Guardian Email* _____

*The parent/guardian signature approval must be submitted with each poster. Any submission becomes the property of the City of Chino Hills, and the submission may or may not be returned. The City of Chino Hills has the right to use any submitted poster for public relations use, including, but not limited to, display of the original or copies of a poster at exhibit events and reproduction of copies on such items as T-shirts and postcards.

The City of Chino Hills and the City of Chino are proud to announce...

Water Wise Landscaping for the Home

Attend this FREE workshop and learn how to reduce your water use outdoors. Get all the latest information about landscape design, plant selection, fertilizers, and irrigation. Handouts, door prizes, and snacks will be available.

Saturday, November 20th ~ 9:00 a.m.—12:30 p.m.

WORKSHOP LOCATION:

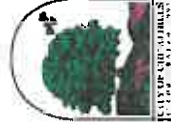
City of Chino Hills
McCoy Equestrian Center
14280 Peyton Drive
Chino Hills, CA 91709
(909) 548-0868



REGISTRATION ENDS ON NOVEMBER 15th



SPACE IS LIMITED! REGISTER NOW!
For more information, or to register,
call (909) 464-0781



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For more information, or to register,
call (909) 464-0781



**IEUA Member Agency Public Outreach &
Educational Materials
FY 2010-2011**

City of Upland



Landscape Workshops



Edible Landscaping & Composting

Saturday, Sept. 11 - 9 am - 1 pm
Magnolia Recreation Center, South Hall
651 W. 15th St., Upland

Growing vegetables doesn't have to mean wasting water. Composting is nature's way of recycling. Learn about these two great ways to enjoy your yard this fall. Children over 4 years old are welcome to attend also.

No Fee!



It's Time to go Native! Water wise plants for your garden & composting

Saturday, Oct. 30 - 9 am - 12 noon
Magnolia Recreation Center, South Hall
651 W. 15th St., Upland

Come learn what type of plants will look beautiful in your garden, reduce maintenance, and save water. Attend this workshop to learn about composting, explore different soil types and discover plants for every part of your landscape

No Fee!

Sign Up Now!

Edible Landscaping
Saturday, Sept. 11
9 am - 1 pm

It's Time to go Native!
Saturday, Oct. 30
9 am - 12 noon

To register, call
Upland Recreation

909.931.4280



No Fee!

Water Wise Outdoor Workshops



Edible Landscaping

Saturday, Feb. 27 - 9 am - 1 pm
Magnolia Recreation Center
651 W. 15th St., Upland

Growing vegetable & herbs, composting, and water conservation. We'll have activities for adults and children too. Prizes and giveaways included.

No Fee!



California Gardening for the Water Wise

Saturday, March 20 - 9 am - 1 pm
Upland City Yard
1370 N. Benson

Topics covered include soil and fertilizers, design basics, plant selection and irrigation. We'll have hand-outs, water wise giveaways and snacks.

No Fee!

Sign Up Now!

Edible Landscaping
Saturday, Feb. 27
9 am - 1 pm

California Gardening
Saturday, March 20
9 am - 1 pm

To register, call
Upland Recreation
909.931.4280



No Fee!



Winter

brings relief... to your watering schedule and water bill. We live in an arid climate and Southern California residents need to actively conserve water when winter rains arrive. Cooler temperatures combined with rain means most landscapes do not need supplemental irrigation for several days.

Helpful tips for winter landscape watering:

- Only water when air temperature is above freezing (32°).
- Apply water before 10 am for optimum water retention.
- Check the moisture of the soil surrounding your plants before you water.
- Set your irrigation controller to water two times per week for 6 minutes.

Do you still have questions about how to water? Upland residents may be eligible for a FREE landscape evaluation. For more information on landscape evaluations, classes, rebates and other water saving practices, follow us on Twitter at Upland Water, visit our website at www.ci.upland.ca.us or call us at (909) 291-2935.



Landscape Workshops and Contest



Parkway Improvement Workshop

May 14th • 9 am - 11 am
Parkway Improvement Workshop
1370 N. Benson Ave., Upland

Come learn what can be done with those areas that are traditionally difficult to landscape. Often, the area between the sidewalk and the street (the parkway) is over-watered and difficult to maintain. This workshop will explore how to plant water-wise plants that are beautiful and drought tolerant.

No Fee!

WESTERN WATER-WISE Landscape Contest

April 1st to June 1st

Apply on line at:
www.westernlandscapecontest.com

- Front yard residential established landscapes only.
- Entries must demonstrate and will be judged upon:
- Attractive use of water-wise landscaping
 - Efficiency of the irrigation system
 - Good maintenance practices



Sign Up Now!

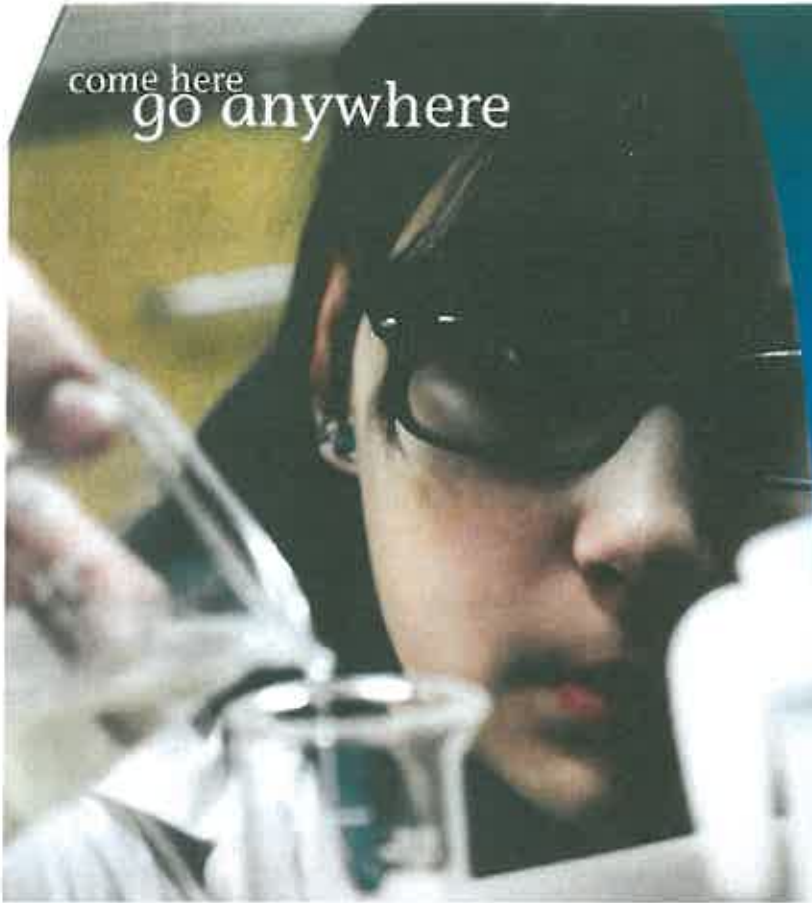
Parkway Improvement Workshop
Saturday, May 14
9 am - 11 am

To register, call
Upland Recreation
909.931.4280



No Fee!

come here
go anywhere



A degree from CSUSB. The bucks start here.

A person with a bachelor's degree, on average, will earn more than \$1 million more over his or her lifetime than a person with only a high school diploma.


CALIFORNIA STATE UNIVERSITY
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45th CSUSB
Anniversary

www.csusb.edu • 909.537.5188

WESTERN WATER • WISE

Landscape Contest



Show the region that using less water can be beautiful!
Enter to win cash and prizes. Information available at
www.westernlandscapecontest.com

SPONSORED BY:



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT



**WESTERN
MUNICIPAL
WATER
DISTRICT**

CONTEST DEADLINE
JUNE 1, 2011

**IEUA Member Agency Public Outreach &
Educational Materials**

FY 2010-2011

Cucamonga Valley Water District





Cucamonga Valley
Water District

SUMMER • 2010

THE PIPELINE

www.cvwdwater.com

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It's a Dirty Job: But We're Glad to do it

Many customers are aware of the high-quality, safe and reliable water CVWD provides to your tap. Customers may not be aware that CVWD is also responsible for maintaining over 400 miles of sewer maintenance lines throughout the District's service area. State mandated regulations require the CVWD to maintain a high level of sewer sanitation for the public. The Sewer Division must clean and maintain the maze of sewer pipelines that run below the streets within its service area (equivalent to the distance between Rancho Cucamonga and San Francisco) and service 7,700 sewer manhole structures. The District's Sewer Division is committed to maintaining wastewater infrastructure at the highest level to ensure prevention of spills and overflows.



entire CVWD service area in twelve months. The dedicated team of CVWD employees accomplished this goal, and has done so every year since, setting a new benchmark for excellence in sewer maintenance.



In 2006, as part of the District's Sewer Sanitary Management Plan, the Sewer Division set an ambitious goal to complete the cleaning of the

In addition to pipeline maintenance, CVWD's Sewer Division provides other valuable service to customers. The Sewer Division responds immediately to sewer backups when they occur. The sewer pipelines are also known as laterals. CVWD is responsible for the "lower" lateral, which is the portion that runs from the street to the property line. The property owner is responsible for the "upper" lateral, which runs from the property line (usually the end of the sidewalk) to the house. Adjacent to the house is a backwater valve which prevents wastewater from going back into the home's internal pipe system. When a sewer problem occurs CVWD has the ability to video the pipelines to determine the location of a blockage. This is extremely helpful in pinpointing an area to repair and saves valuable time. To learn more about your sewer lines log on to www.cvwdwater.com.

Water Awareness Month

On April 13, the CVWD Board of Directors proclaimed May as *Water Awareness Month*, as part of a state-wide effort to celebrate the importance of water. *Water Awareness Month* is a great time to educate residents about the region's water supply and ways they can help save water. As part of the celebration, CVWD hosted a tour of the Lloyd W. Michael Water Treatment Plant to teach customers about the steps the District takes to provide a high-quality, safe and reliable water supply. The next public tour is tentatively set for September.



You're in Good Hands

CVWD is proud to acknowledge several employees for earning certifications in their field of work, which demonstrates their dedication to serving you, and making CVWD a "Best of Class Utility". Certifications are earned on personal time, and assist in expanding employees' knowledge and expertise. Certifications can be earned in Water Distribution, Water Treatment and Wastewater and are awarded based on the level of knowledge ranging from Grade 1 to Grade 5 (highest). In comparison to surrounding water agencies, CVWD employees hold the highest number of Grade 5 Certifications in Water Distribution and Treatment, with six certifications in Water Distribution and four certifications in Water Treatment.

Congratulations to the employees who most recently earned Water Distribution Certifications: Randy Rockwell - Grade 5, Jacob Johnson - Grade 5, James Bryan - Grade 5, Chris Chain - Grade 4, Ben Armel - Grade 4, Randy Newman - Grade 3, and Steve Samaniego - Grade 2.

Projects to Improve Local Water Supply

CVWD works diligently to diversify its water portfolio by increasing alternative resources such as recycled water. Recycled water is a valuable resource that is used for landscape irrigation and industrial processes.

In fall 2009, CVWD in partnership with the Inland Empire Utilities Agency, began construction on the Northeast Recycled Water Project, the first of two significant regional recycled water projects. This project will enable CVWD to pump recycled water to higher elevations in its service area. The Northeast Project is approximately 80% completed, including the construction of a pump station and the conversion of a 2.5 million gallon potable water reservoir to a recycled water storage tank. The next phase includes the construction of a distribution pipeline to run up the eastern side of the CVWD service area to Interstate 210, providing service to parks, highway medians, Victoria Gardens, and the



Epicerter Sports Complex. Recycled water is also being used to recharge local groundwater basins to increase supply. The completion date for this project is August, 2010 resulting in over 5,000 acre-feet of recycled water available for landscape use and basin recharge.

The second project, the Northwest Recycled Water Project, will expand the District's recycled water use through the west side of its service area, as well as to the City of Upland. The project consists of the development of a reservoir site and distribution pipelines. Work on this project will begin August 2010, and will take approximately twelve months to construct. Upon completion, the District will have the potential to provide up to 2,000 acre-feet of recycled water to large service customers including a private golf course, parks in the City of Rancho Cucamonga, and several locations within the City of Upland.

Landscape Tour Inspires Community

On April 24, CVWD held its Water Efficient Landscape Tour to educate residents about the beauty and benefits of water saving landscapes. The tour consisted of eight residential homes, which were winners of CVWD's landscape contest, City green belts, and an elementary school. The day concluded with a reception and tours of the Maloolf Discovery Garden.



Do you have a beautiful water saving landscape? Apply to CVWD's Landscape Recognition Program
Contest Deadline: July 31, 2010

CALENDAR OF EVENTS

July 10, 9-11 am

Healthy Indoor Environment

Eco-experts Lisa and Ron Beres will present on how to ensure a healthy home for your family.

Location: The Frontier Project; 10435 Ashford St., RC

Register by calling 909-944-6048 or visit www.frontierproject.org

August 14, 9-11 am

Community Clean Up

Help the Frontier Project and San Bernardino County clean the trails of the Etiwanda Preserve.

For directions to the Preserve and to sign up, call 909-944-6048 or visit www.frontierproject.org

Kids Corner

Directions:
complete and color
the water-themed
Connect the Dots



Helpful Hint: Numbers 26 and 30 share the same dot



Cucamonga Valley
Water District

FALL • 2010

THE PIPELINE

www.cvwdwater.com

BOARD OF DIRECTORS

David L. ...

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Water Journey Offers a Valuable Perspective to Consumers

In May 2010 CVWD partnered with the Metropolitan Water District of Southern California (MWD) to host an educational field trip of the California Aqueduct system from which CVWD receives nearly 50% of its water supply. Local business leaders, public officials and water consumers had the opportunity to learn how issues nearly 400 miles away impact our local water supply.



"Seeing the extensive miles of pipeline that is used to bring water to homes and businesses in Rancho Cucamonga is a fascinating journey," stated Frances Howdyshell, a local realtor and Planning Commissioner for the City of Rancho Cucamonga. "It isn't until you witness this journey that you can truly appreciate the value of our water supply and why it is so important to use it wisely."

Participants toured Oroville Dam, traveled through the intricate system of levees in the Sacramento-San Joaquin Delta, and followed the route drinking water travels before coming to Southern California. The tour also made stops at

the Feather River Salmon Hatchery, the Harvey O. Banks Pumping Plant, San Luis Reservoir, and the Panoche Irrigation District. Tour attendees were also able to speak directly with San Joaquin farmers and hear the plight they face in securing a reliable water supply.

"For decades I've heard about our State's water issues, however, seeing the issues up-close and learning the details from the experts was astounding," stated Rebecca Davies, a CVWD customer and Board Member for the Alta Loma School District. "Whether you're a school, business or resident, all Californians need to work together to educate our youth about the value and fragility of this precious resource."

Frances Howdyshell and Rebecca Davies recently sat down with CVWD Vice President Kathy Tieggs and a reporter from the Inland Valley Daily Bulletin to share some of their insights and thoughts about California's Water Crisis and the imperative need to inform the community about the value of our water supply.



Lfrr: Wendy Leung (Daily Bulletin), Vice President Kathy Tieggs, Rebecca Davios, and Frances Howdyshell

New Health and Environmental Activities for Kids

CVWD is pleased to announce its partnership with the City of Rancho Cucamonga which will allow for a wider range of activities at CVWD's Environmental Learning Center. Additional hands-on activities will highlight solid waste recycling, the impact of pollution in our storm water, and how to eat healthier utilizing a vegetable garden and cooking with a solar oven.

The Environmental Learning Center and Garden are open free of charge to schools within the CVWD service area, and are open to other community and student groups for a minimal cost per student. For more information and to reserve a spot for your class call (909) 944-6052.

Good for the Earth and Business

Environmental stewardship is a priority for CVWD, and the District continuously reviews its business practices to ensure it is functioning in a sustainable manner. CVWD recognizes the environmental impact of using resources efficiently and that small changes that are friendly to the environment lead to long term financial savings.

CVWD recently completed its Sustainability Master Plan with the purpose of evaluating procedures, equipment and machinery, and opportunities to incorporate eco-friendly business practices. The Plan consists of guidelines, procedures, and goals that will guide the District in fulfilling its mission of environmental stewardship. CVWD has already implemented several initiatives including purchasing guidelines for eco-friendly cleaning products and office supplies, installing an energy efficient lighting system, retrofitting premium efficiency motors at well stations, and constructing a solar panel project at the Lloyd Michael Water Treatment Plant to offset energy consumption. These initiatives save the District nearly \$200,000 annually in operating costs. To find out more about CVWD green initiatives, visit www.cvwdwater.com.

Local Green Project's Influence Reaches China



Photo by Ryan Beck

In its first year, the Frontier Project has shown to be a great success, earning prestigious awards and educating over 5,000 visitors. To add to its portfolio of accomplishments, the Frontier Project recently inspired a group in China to replicate some of its efficient technologies into their own project. The designers of the Frontier Project, HMC Architects, are working with the First People's Hospital in China to design their project, and presented the group with the beneficial technologies being utilized at the Frontier Project. Some of the elements that will be implemented into the China project include photovoltaic panels, the use of local materials and products, reclaimed water, outdoor gardens to promote heating, and plenty of natural light.

The Frontier Project is open Monday through Friday, 9am-3pm. Visit us at www.frontierproject.org for upcoming workshops or to schedule a tour.

Awards Received:

- Cornerstone Concrete Excellence Award from the So Cal Concrete Producers
- Calibre Award Nominee from the Int'l Interior Design Assoc., So Cal Chapter
- 40th Annual Los Angeles Architectural Awards: Best of LA- Domestic Category from the LA Business Council and Architectural Awards Jury
- LEED® Platinum Certification from the U.S. Green Building Council® (Leadership in Energy and Environmental Design)



On April 10th, the Frontier Project celebrated Earth Day with over 2,000 attendees and 125 exhibitors and partners participating.

CALENDAR OF EVENTS

National Customer Service Week October 4th - 8th

Celebrate with CVWD by visiting the Customer Service Counter 7:30am-5:30pm Monday through Friday during Customer Service Week to receive a onetime gift (one per family).

See CVWD at Fire Prevention Day Saturday, October 9th, 10am-3pm

Location: Jersey Station 174, 11297 Jersey St., RC

Sustainable Saturday Series- Start Your Own Green Team October 9th, 9-11am

Students are invited to join Curiosity Quest's Joel Greene to learn how to start a Green Team at their school.
Location: The Frontier Project, 10435 Ashford St., RC
www.frontierproject.org

Frontier Project Green Tie Gala Saturday, October 16th, 6pm

Celebrate the Frontier Project's 1st Anniversary and enjoy an evening of food and entertainment.
Call 909-944-6048 to purchase tickets or visit www.frontierproject.org

Sustainable Saturday Series Saturday, November 13th, 9-11am

Location: Frontier Project, 10435 Ashford St., RC
www.frontierproject.org

Water Crossword Puzzle

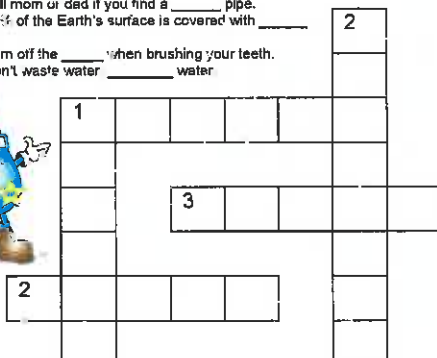
Kids Corner

Across

1. Less than 1% of Earth's water is available for drinking; most of it is salt water or _____ in glaciers
2. Tell mom or dad if you find a _____ pipe.
3. 75% of the Earth's surface is covered with _____

Down

1. Turn off the _____ when brushing your teeth.
2. Don't waste water _____ water.



Check your answers on the 'Kids Only' page on our website at www.cvwdwater.com



CVWD Bids Farewell to GM/CEO

Robert A. DeLoach, General Manager/CEO of CVWD, announced his departure from the District after nearly 14 years of service. DeLoach plans to launch his own business enterprise in management consulting.

DeLoach began working for CVWD in 1997 when the District's population was approximately 130,000, with only 37,000 water connections. Since then, the District has grown to serve a population of approximately 195,000 with a total of 50,000 water service connections. Under the direction of DeLoach, the District increased its water production capacity to nearly 19.5 billion gallons of water, and increased its potential storage capacity to nearly 90 million gallons district-wide. DeLoach played a critical role in developing an operational plan for surrounding agencies to utilize local groundwater to

help sustain this region's water supply. DeLoach also led the District in the implementation of its recycled water system that currently provides recycled water to large landscape, commercial, and industrial customers. Finally, DeLoach had the vision and foresight for the development of the Frontier Project, a sustainable demonstration resource center located on the CVWD campus. The Project, which is operated by the Frontier Project Foundation, has won numerous awards and is positioned to provide "green" educational opportunities for the region.

"I am very fortunate to have had the opportunity to lead CVWD over the past decade. We are a very unique public agency. The way we operate encourages innovation and collaboration at all levels in our organization. It has been an honor to work with a forward-thinking and progressive board



of directors that are responsive to the needs of the community and whose sole mission is to provide an exemplary product at a cost-effective price for our customers," said DeLoach.

CVWD will sincerely miss DeLoach and wishes him great success in the future.



Employees Give Back

In November, CVWD joined the City of Rancho Cucamonga's Family Resource Center in collecting canned goods and other supplies to provide Thanksgiving dinners to families in need. In December CVWD employees collected toys to donate to the Spark of Love Toy Drive, spearheaded by the Rancho Cucamonga Fire Protection District. Employees were happy to help make the holidays brighter for these families and enjoy participating in charitable activities to give back to the community.

District Receives A+ on Financial Report



CVWD completed its Comprehensive Annual Financial Report (CAFR) which presents detailed information about the District's financial position for fiscal year 2009-2010. While reporting of financial activity by public agencies is required by law, CVWD aims to exceed the minimum requirements in this area in order to

openly communicate to customers. CVWD is pleased to report that the audit came back with no discrepancies and was considered "clean" by the professional auditing firm, which is the highest evaluation it can receive.

The Board of Directors approved the CAFR at its November 23rd board meeting. CVWD encourages customers to learn more by viewing this valuable document on the District's website at www.cvwdwater.com.

Festival Educates Youth for Green Future

In October CVWD hosted the Kids Environmental Festival at the Frontier Project, with 600 fifth grade students from Central School District participating. This one-day event provides a unique, outside the classroom setting where local students learn about water and the environment through fun, hands-on activities. CVWD is committed to preparing students to make good decisions about our environment and its future, and the Kids Environmental Festival helps the District achieve this goal.



Residents Awarded for Water Savvy Landscapes

Grand Prize Winners



Debby Figoni



Abdul Vadakkan



Gerald & Marina Smith

Beautiful water savvy landscapes are sprouting up all over CVWD's service area, demonstrating the benefits of outdoor water conservation. In our region's desert climate it is more efficient to grow plants and design yards that can accommodate hot, dry weather. CVWD's Landscape Recognition Program recognizes customers who have installed landscapes that are low-water use and beautiful. The Program began in 2007, and since then, CVWD has recognized 21 water saving landscapes.

The 4th Annual Landscape Recognition Program concluded this past fall, attracting fourteen applications from residents whose landscapes consist of drought tolerant plants, artificial turf, efficient watering devices, and other water saving elements. Three Grand Prize Winners and four Honorable Mention Winners were awarded and recognized at the CVWD Board of Directors meeting in October 2010. CVWD commends all applicants for being water conservation ambassadors, and for their efforts in setting an example in their community.

Look for winning landscapes in CVWD's Landscape Tour this spring. For pictures and descriptions of each landscape and for ways to make your yard water efficient, visit www.cvwdwater.com.

Honorable Mention Winners

- Robert & Julia Taylor
- Dan & Lillian O'Brien
- Alan Haskvitz
- Stork Elementary School

Kids Corner

True or False

Complete Willy the Water Ranger's True or False quiz. Check your answers on the "Kids Only" page on our website at www.cvwdwater.com.



1. You should keep the sprinklers running when it is raining outside.
↙ True ↘ False
2. You should use a broom instead of a hose to clean your driveway and sidewalks.
↙ True ↘ False
3. It is ok to leave the water running when brushing your teeth.
↙ True ↘ False
4. You shouldn't tell mom or dad when you see a leaky pipe or sprinkler.
↙ True ↘ False
5. You should always save water.
↙ True ↘ False

SAVE THE DATE

Earth Day at the Frontier Project
Saturday, April 9, 2011

This FREE event is open to the public and does not require registration.

CVWD Landscape Tour

Saturday, April 30, 2011
Starts at CVWD, Ends at the Maloof Garden
Register by calling 909-944-6048 or visit
www.cvwdwater.com.



Cucamonga Valley
Water District

SPRING • 2011

THE PIPELINE

www.cvwdwater.com

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Mary L. Wood
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Vice President

New GM Plans for the Future



In January the Cucamonga Valley Water District (CVWD) Board of Directors appointed Mr. Martin E. Zvirbulis as the new General Manager/CEO. Mr. Zvirbulis previously served as the District's Deputy General Manager,

overseeing the District's daily operations, including long-term strategic planning to ensure reliable water supplies for the future. Mr. Zvirbulis was hired at the District 12 years ago to manage the Engineering Services Department. During his tenure he has also held the positions of Director of Engineering and Assistant General Manager/Chief Operating Officer.

Mr. Zvirbulis has extensive experience in civil and

water resources engineering. Prior to his work with CVWD he worked as a consulting engineer and was chief engineer for another public water utility. Mr. Zvirbulis is a Registered Professional Civil Engineer in the State of California and received his Bachelor of Science in Civil Engineering from California State University, Long Beach.

"I am thrilled to be working with an organization that is at the fore-front of moving our industry far beyond ordinary expectations. We have dedicated employees that are focused and continually challenged to provide the best service possible to our customers. The next decade will be filled with new challenges like the vulnerability of our water supply and the implementation of new technologies to help operate our business. With these challenges come new opportunities and I am honored to have been selected by the Board of Directors to lead CVWD," shared Zvirbulis.

Learn more about CVWD, upcoming projects, and the latest District news by visiting www.cvwdwater.com.

Kids Pledge to Make Earth Day Every Day

Earth Day is every day at CVWD and the Frontier Project, and on April 9th they kicked off the season of events with their Earth Day Celebration. The event attracted 2,000 participants and featured local businesses, green products, and educational activities. Earth Day also offered children the opportunity to pledge to make Earth Day every day and to share their ideas on how they are going to make a difference to protect the environment.

"It was a pleasure celebrating Earth Day with our community. We encourage the public to celebrate our Earth's natural resources throughout the year by visiting the Frontier Project," commented Martin E. Zvirbulis, General Manager/CEO. "This valuable resource is right in your backyard and exhibits recycled materials, green technologies, and educates visitors on becoming better environmental stewards."

CVWD and the Frontier Project participated in multiple Earth Day events during April, including ones at Los Osos High School and the Chino Creek Wetlands, where over 1,000 teens and children pledged to do their part to protect the environment.



Los Osos High School students pledge to do their part to protect our Earth.

Local Eagle Scout Accepted to West Point



CVWD would like to congratulate Eagle Scout Floyd Sir-Obodiah Clark (Sir) for being accepted to the United States Military Academy's Preparatory School at West Point. In 2008, Sir, then a junior at Los Osos High School, approached CVWD with a proposal to complete his Eagle Scout Leadership Service Project by assisting the District with the development and completion of an educational garden at its Environmental Learning Center. Thanks to Sir's exceptional leadership, organization, and commitment to planting the garden, over 3,000 students have benefited from this invaluable educational resource. Students from Rancho Cucamonga, Fontana, Upland, and Ontario have learned about native plants, healthy eating and vegetable gardens, and habitats for ladybugs and butterflies. CVWD would again like to thank Sir for his commitment to improving this community, and wish him the best of luck in attending the West Point Academy.

Local Landscapes Featured in Tour



Master Gardener Volunteers provided tours of the CVWD and Frontier Project landscapes.

On April 30th, 100 residents learned about the beauty and benefits of water savvy landscapes by attending CVWD's Landscape Tour. The tour inspires residents to make their yards water efficient by providing a variety of water efficient landscape designs. Featured landscapes included winners from CVWD's annual landscape contest. Several owners were present at their homes to educate tour participants about their own experience with irrigation systems, plants, design, and maintenance. In addition to residential landscapes, participants toured two elementary schools, the Frontier Project demonstration garden, CVWD's water efficient landscape, and the beautiful Maloof Discovery Garden. If you are looking for ideas on ways to improve your landscape visit one of these demonstration gardens or visit the landscape pages at www.cvwwater.com for photos, plant lists and other great resources.

May is Water Awareness Month

On April 26th, the CVWD Board of Directors proclaimed May as Water Awareness Month, as part of a statewide effort to celebrate the importance of water. Water Awareness Month is a great time to educate residents about the region's water supply and valuable natural resources. As part of the celebration, CVWD hosted a tour of the Lloyd W. Michael Water Treatment Plant to teach customers about the steps the District takes to provide a high-quality, safe and reliable water supply. Learn more about CVWD and its commitment to providing **Service You Can Depend On®** at www.cvwwater.com.



Water Word Search



B	F	A	U	C	E	T	C	S	J
Q	H	S	D	O	G	D	E	P	O
C	L	E	A	N	T	E	U	R	P
P	I	P	E	S	K	Y	X	I	T
A	S	O	Q	E	D	R	I	N	K
W	A	T	E	R	A	W	S	K	D
P	V	U	Z	V	M	H	F	L	X
Z	E	I	L	E	A	K	W	E	T
Q	B	N	D	O	C	D	R	R	Q

Kids Corner

Clean	Save
Conserve	Sprinkler
Drink	Wet
Faucet	Water
Pipe	

Check the answer key on the "Kids Only" page at www.cvwwater.com.



Saturday, April 30th
9 am - 4 pm

Visit up to 15 landscapes on your own • 11am-1:30pm



Tour Cost- \$10
 Registration is required.
www.cvwwater.com
 909-944-6048

Landscape Tour

Be inspired to make your yard water efficient by learning about the beauty and benefits of landscapes that thrive in our region's warm climate.



Start at the Frontier Project • 9-11am
 10435 Ashford St., Rancho Cucamonga



End at the Maloof Garden • 1:30pm
 Book signing and presentation • 3pm

May is Water Awareness Month

Celebrate with CVWD by attending these FREE events:

Landscape Workshop: Efficient Irrigation Systems

Wednesday, May 11th, 5:30-8:30 pm
10435 Ashford St., Rancho Cucamonga

Improve your yard's water efficiency by learning about appropriate watering schedules and maintenance for your irrigation system.



Lloyd W. Michael Water Treatment Plant Tour

Wednesday, May 18th, 5:30 pm
5815 Etiwanda Ave., Rancho Cucamonga

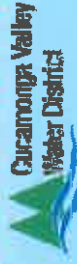
Learn about the steps CVWD takes to provide customers with a high-quality, safe and reliable water supply.



Registration is required; space is limited.

Must be 18 years of age to participate.

909-944-6048 • www.cvwdwater.com





Save Water and Beautify Your Yard!
California Friendly® Plant Class

SATURDAY, SEPTEMBER 25TH
9am-12:30pm

10435 ASHFORD ST, RANCHO CUCAMONGA

This class will educate attendees about plants that thrive in our desert region. Learn about the beauty and benefits of water saving landscapes. **Space is limited and registration is required.**

Call or visit:

(909) 944-6048

www.cvwdwater.com



Cucamonga Valley
Water District

CVWD Treatment Plant Tour

Learn about the value of water by joining us for a tour of the Lloyd W. Michael Water Treatment Plant. See first-hand the steps CVWD takes to provide customers with a high quality, safe and reliable water supply.

Lloyd Michael Water Treatment Plant Tour

Wednesday, September 29th, 5:30 p.m.

5815 Etiwanda Ave., Rancho Cucamonga

The Tour begins sharply at 5:45pm. Please arrive at 5:30pm to check-in. Space is limited and registration is required.

Call or visit:










(909) 944-6048 • www.cvwdwater.com







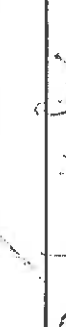









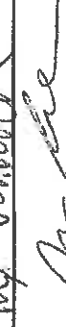

This is a walking tour; please wear comfortable shoes. Must be at least 18 years of age to participate.



Back by popular demand!

Landscape Workshop 3/19/2011

Last Name	First Name	Signature
Anderson	Yvonne	
Bailey	Sonya	
Barajas	Ruben	
Barker	James	
Baum	Richard	
Baum	Marlene	
Benson	Dan	
Benson	Johanna	
Bluhm	Adrianna	
Calandra	Enzo	
Campbell	John	
Clint	Atwood	
Deras	Liza	
Edwards	Larry	
Espinosa	Frank	
Estrada	Omar	
Faria	Norma	
Fisher	Gretchen	

Last Name	First Name	Signature
Garcia	Maria	
Garcia	Heriberto	
Garcia	Noel	
Gaytan	Avelino	
Goss	Mark	
Graham	Suzy	
Guzman	Carlos	
Jimenez	Alicia	
Kasbeck	Gunter	
Kathy	Atwood	
Mallard	Doug	
Miyamoto	Craig	
Morrow	Scottie	
Pinon-Gomez	Sylvia	
Quinn	Ryann	
Ramirez	Audel	
Ramos	Daniel	
Sanches	Alexandra	
Schoeder	Robert	

Last Name	First Name	Signature
Senecal	Arika	
Stegmann	Rosemary	<i>Rosemary Stegmann</i>
Tazza	Bonnie	<i>B Tazza</i>
Tazza	Ron	<i>R Tazza</i>
Thibodeaux	Irma	<i>Irma Thibodeaux</i>
Uriarte	James	<i>James G. Uriarte</i>
Van Hofwegen	James	<i>James Van Hofwegen</i>
Wells	Riley	<i>Riley Wells</i>
Yousey	Bishara	<i>John Yousey</i>
	<i>SUSAN</i>	<i>Susan</i>

Signed
up on the
BAATMAN

Earth Day Celebration

April 9, 2011
11 am to 3 pm

10485 Redwood Street, Rancho Cucamonga

Celebrate Earth Day with the
Frontier Project Foundation &
Cucamonga Valley Water District

- Free food & giveaways
- Environmental Fair
- Fun for the whole family!

909-944-6025
www.frontierproject.org

Thank you to our sponsors.



Bank of America



Thank you to our sponsors:



INLAND VALLEY
Daily Bulletin
dailybulletin.com

Bank of America



KAISER PERMANENTE



Earth Day Celebration

April 9, 2011
11 am to 3 pm

10435 Ashford Street, Rancho Cucamonga

**Celebrate Earth Day with the
Frontier Project Foundation &
Cucamonga Valley Water District**

- Free food & giveaways
- Environmental Fair
- Fun for the whole family!

909-944-6025

www.frontierproject.org

Thank you to our sponsors.



Free SprinklerNozzles.com



Starting March 1st!
While supplies last;
program will go fast!

**Get 25 water saving
sprinkler heads for
FREE!**

Follow These Easy Steps:

1. Visit www.freesprinklernozzles.com
2. Enter your name as it appears on your water bill and your CVWD account number
3. Watch a mandatory video (approximately 2 minutes)
4. Print out your voucher for 25 Free Toro® Precision™ Series Spray Nozzles
5. Redeem your voucher at a participating irrigation supply store



www.FreeSprinklerNozzles.com

Free Toro® Precision™ Series Spray Nozzles



Starting March 1, 2011
While supplies last!

Earth Day Celebration



FREE

1st 500 families will receive a **FREE** insulated reusable grocery bag!!

April 9th 11am - 3pm

10485 Ashford Square



Activities include:

- Free Document Signatory (from 11am - 1pm only)
- Kids Magician
- Free Food & Giveaways
- Environmental Fair

www.frontierproject.org

909-944-6025





The Frontier Project



Tours—Workshops—
Seminars—Hands-On
Demonstrations—
School Programs



Technology Features

- Passive cooling system
- Insulated concrete form walls
- Live green roof and cool roof
- Underground cistern
- Photovoltaic solar array
- Low water use gardens
- Climate-based irrigation controller
- Pervious pavement
- Building energy & lighting management systems
- Award-winning design

Add your technology here!

The Frontier Project demonstrates sustainable innovations for modern living and working environments.

The Frontier Project
Phone: 909.944.6025
Email: info@frontierproject.org
www.frontierproject.org
www.twitter.com/thefrontierproj



Celebrate Earth Day



April 9th • 11am - 3pm
10435 Ashford St., Rancho Cucamonga

- Food and Giveaways
 - Environmental Fair
 - Fun for the whole family
- All for FREE!**



Sponsorships and vendor space still available:
contact us at: (909) 944-6025
erinm@cvwdwater.com



Cucamonga Valley
Water District

Treatment Plant Tour

Wednesday, May 18th, 5:30pm

5815 Etiwanda Ave., Rancho Cucamonga

Learn about the value of water by touring the
Lloyd W. Michael Water Treatment Plant
and see first-hand the steps CVWD takes to provide
customers with a high quality, safe and reliable water supply.

Space is limited and **REGISTRATION is REQUIRED.**
This is a multilevel walking tour; please wear comfortable shoes.
Must be 18 years of age to participate.

(909) 944-6048

www.cvwdwater.com





Fix a Leak Week

March 14th - 20th

Fixing leaks in your home can save 10,000 gallons of water a year!

Cucamonga Valley Water District is celebrating Fix a Leak Week and is encouraging customers to make water saving improvements at their homes. Share your story and receive a free conservation prize.

Here are some ideas of what you can do:

- Fix a broken sprinkler.
- Replace a leaky toilet flapper.
- Fix a dripping faucet.

Find more ways to save water at www.cvwdwater.com.

Share your Fix a Leak Week Story and Get a Prize!

Mail in the form below or submit your story online at www.cvwdwater.com.

I participated in Fix a Leak Week by:

Name:

Phone # or email:

Address:

Mail to: CVWD Office of Public Affairs
10440 Ashford Street, Rancho Cucamonga



Landscape Workshop

Learn more about saving water at CVWD's Landscape Workshop.

Saturday, March 19th

9am-1pm

10435 Ashford Street, RC

Registration is required.



909-944-6048

www.cvwdwater.com



Do you have a beautiful water saving landscape?
You could be a winner in the

4th Annual Landscape Recognition Program



Last Year's Winning Landscapes

Winners Receive:

- A \$250 gift card to a local nursery
- An invitation to participate in CVWD's Landscape Tour
- Recognition on the CVWD website and in the customer newsletter, "The Pipeline"

Program Deadline: July 31, 2010

Must be a Cucamonga Valley Water District customer to apply.



For more information or program application, call or visit:

(909) 944-6048 • www.cvwdwater.com



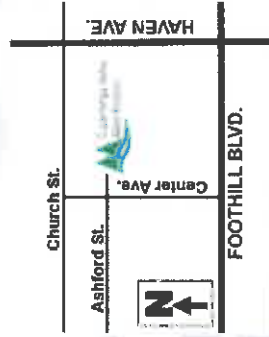
National Customer Service Week

October 4th - 8th

CWWD customers are invited to celebrate National Customer Service Week by visiting our Administrative Office to receive a one time free promotional item*.

*Cucamonga Valley Water District customers only. One per family.

909-987-2591
www.cvwdwater.com



10440 Ashford St., RC

Be inspired to make your yard water efficient by learning about the beauty and benefits of landscapes that thrive in our region's climate.

Landscape Tour

Saturday, April 30th

Featuring beautiful water savvy landscapes in Rancho Cucamonga.

Begin by touring the Frontier Project and Cucamonga Valley Water District demonstration landscapes. Then visit more than ten low-water use landscapes at your leisure. Finish the day at the Maloof Discovery Garden with tours and a book signing.



Tour cost- \$10

Registration is required.
For full details and to reserve your spot, call or visit:

909-944-6048 • www.cvwwater.com



Cucamonga Valley
Water District



Tour Timeline

9am – 11am
Arrive at the Frontier Project

11am -- 1:30pm
Self-guided tour

1:30pm – 3pm
Reception & Maloof Garden Tours

3pm – 4pm
Book signing by Bart O'Brien



Learn more about water savvy landscapes at these workshops:

Water Efficient Plants • Wednesday, April 20th

Efficient Irrigation Systems,
Scheduling & Maintenance • Wednesday, May 11th

Workshops are held at 5:30pm at the
Frontier Project-10435 Ashford St., Rancho Cucamonga
Registration is required. 909-944-6048 • www.cvwwater.com



Be inspired to make your yard water efficient by learning about the beauty and benefits of landscapes that thrive in our region's warm climate.

Landscape Tour

Saturday, April 30th · 9 am - 4 pm



Tour Timeline

9am-11am

Arrive at the Frontier Project

11am-1:30pm

Self-guided Tour

1:30pm-3pm

Reception & Maloof Garden Tours

3pm-4pm

Book Signing by Bart O'Brien

Tour Cost- \$10

Registration is required.

www.cvwdwater.com

909-944-6048

Hosted By:



Cucamonga Valley
Water District





Cucamonga Valley
Water District

Proclamation

IN HONOR OF CALIFORNIA WATER AWARENESS MONTH

WHEREAS, the health of California's growing population and the welfare of our communities depends on a reliable, high quality water supply; and

WHEREAS, California will experience periodic droughts, and serious issues facing the Sacramento-San Joaquin Bay Delta will impact our imported water supply, and water conservation is critical at all times; and

WHEREAS, CVWD participates in conservation efforts on a regional level and has joined with the Association of California Water Agencies and the Department of Water Resources in the *Save Our Water Campaign*; and

WHEREAS, by encouraging statewide understanding and appreciation of the value of water, we foster wise decisions on water issues and play an active role in legislation that protects our water resources; and

WHEREAS, during May 2011, water agencies, cities, counties, and organizations throughout California will organize activities to educate the public about water management efforts; and

WHEREAS, the Cucamonga Valley Water District has an extensive public outreach and education program which provides hands-on learning for children, adults, and commercial and industrial customers on ways to conserve water; and

WHEREAS, the Cucamonga Valley Water District demonstrates the efficient use of water and all natural resources on its campus through its sustainable resource center, the Frontier Project;

NOW, THEREFORE BE IT PROCLAIMED, the Cucamonga Valley Water District designates May 2011 as California Water Awareness Month and urges all citizens to join in supporting local water agencies and organizations in their effort to help Californians use water wisely.

Cucamonga Valley Water District

Kathleen J. Tieg
President for the Board of Directors

Attest:

Martin E. Zvirbulis
Secretary of the Board of Directors

Dated: April 26, 2011



Residents Set Example for Community

Residents all over the Cucamonga Valley Water District (CVWD) service area are promoting water conservation outdoors through their water efficient landscapes. In our desert climate its more efficient to grow plants and design yards that can accommodate hot, dry weather. The Landscape Recognition Program recognizes CVWD customers who have installed low-water using landscapes that are aesthetically pleasing, displaying both the benefits and beauty of water efficient design. The Program began in 2007, and since then, CVWD has recognized 21 water savvy landscapes.

Landscapes that Thrive in the 909



Figoni Residence

The 4th Annual Landscape Recognition Program recently concluded, attracting fourteen applications from residents whose landscapes consist of drought tolerant plants, artificial turf, efficient watering devices, and other water efficient elements. Three Grand Prize Winners and four Honorable Mention Winners were awarded and recognized at the CVWD Board of Directors' meeting in October. CVWD commends all applicants for being water conservation advocates and for their efforts in setting an example in their community.



Vadakkan Residence

Congratulations to the winners of the 2010 Landscape Recognition Program:

Grand Prize Winners

- Debby Figoni
- Abdul Vadakkan
- Gerald & Marina Smith

Honorable Mention Winners

- Robert & Julia Taylor
- Dan & Lillian O'Brien
- Alan Haskvitz
- Stork Elementary School



Smith Residence

Dear Consumers,

In 1995, the United States Congress amended the Safe Drinking Water Act requiring water providers to deliver an annual Water Quality Report to their consumers. The report is intended to provide you, the consumer, with information regarding the quality and safe delivery of your drinking water. CVWD is pleased to report there were no water quality violations during 2010.

CVWD provides water service to the City of Rancho Cucamonga, portions

of the cities of Upland, Ontario and Fontana, plus an unincorporated area of San Bernardino County. CVWD has approximately 47,000 water connections and serves a population of approximately 160,000 residents and businesses. CVWD's sole purpose is to provide high quality, safe and reliable water and wastewater services, while practicing good stewardship of natural and financial resources.

Cucamonga Valley Water District (CVWD) is committed to keeping its consumers informed, you are encouraged to read this report in

its entirety. Informed consumers are more likely to help protect their drinking water supplies and understand the true costs associated with providing drinking water to our community. CVWD is committed to develop, strengthen and acquire water resources which will ensure the reliability of future water supplies for the next generation of customers.

Sincerely,

Cucamonga Valley Water District
Board of Directors

BOARD OF DIRECTORS

Kathleen J. Tjgs
Director

César González
Vice President

James V. Curialola
Director

Pendell James Reed
Director

Henry L. "Hank" Stoy
Director

Martin E. Zambata
Vice President
2010

CVWD Water Sources

The water furnished to CVWD's consumers comes from several sources including, surface water imported from Northern California, groundwater pumped from local aquifers, and a combination of waters collected from canyons and tunnels along the local mountains.

- **Imported Surface Water:** is water on the earth's surface, including creeks, streams, rivers, and lakes. Fortythree percent of the water delivered to CVWD's consumers in 2010 was imported from Northern California. CVWD purchases water delivered from Northern California via the State Water Project. This water is treated at CVWD's Lloyd W. Michael water treatment plant. The treated water flows into storage reservoirs and then into the distribution system.
- **Groundwater:** is water below the earth's surface typically in subterranean lakes called aquifers. Forty-nine percent of the water delivered by CVWD in 2010 was groundwater pumped from the Cucamonga and Chino Basin aquifers located hundreds of feet below the earth's surface. The water is pumped up through a system of wells, disinfected, and goes directly into enclosed reservoirs.
- **Local Canyon and Tunnel Water:** is a combination of both surface and groundwater. Eight percent of the water delivered in 2010 was supplied by local surface and tunnel water sources. These sources include Cucamonga Canyon, Deer Canyon, Day Canyon, East Etiwanda Canyon, and a number of tunnels in the local San Gabriel Mountains. This water is treated at CVWD's Arthur H. Bridges or Royer Nesbitt water treatment plants.

Your Drinking Water Sources

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

- Contaminants that may be present in source drinking water include:
 - ✓ Microbial contaminants, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
 - ✓ Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
 - ✓ Pesticides and herbicides that may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
 - ✓ Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
 - ✓ Radioactive contaminants that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. CDPH regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Contamination Vulnerability of CVWD's Water Sources

In 2003, CVWD completed a source water assessment to determine the contamination vulnerabilities of CVWD's water resources. Our sources are considered vulnerable to contamination from activities associated with former citrus agriculture, sewer collection systems, leaking or improper disposal of petroleum products, and recreation activities on or near water supplies.

You may request a summary of the assessment by contacting the California Department of Public Health sanitary engineer for CVWD at (909) 383-4328 or CVWD at (909) 987-2591.

How Your Water is Treated and Tested

CVWD uses state-of-the-art technologies to treat and test the water served to its consumers. The District operates a total of three water treatment facilities that must meet surface water treatment regulations established by the EPA and the CDPH. These facilities are staffed by professional Water Treatment Plant Operators certified by the CDPH.

Before, during, and after treatment, CVWD staff members collect and analyze samples of water every four hours-twenty-four hours a day, seven days a week, to ensure customers are provided with the highest-quality water. In addition to routine testing performed at the treatment plants, water throughout the distribution system is analyzed weekly for disinfectant residuals and bacteriological content. Thousands of other tests are conducted throughout the year to ensure your water meets all federal and state regulations.

About Your Water

In 2010, CVWD collected more than 40,000 water samples that were analyzed for more than 170 different contaminants. Only contaminants that were detected are included in the tables provided. If a contaminant is not listed, it was not detected in 2010. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though represented, is more than one year old. The data reported in each table is compiled from analyses performed in 2010, except where noted.

Table 1 lists contaminants regulated by **Primary Drinking Water Standards**. These standards have been developed to control contaminants that have been determined to pose a risk to health. Compliance with drinking water standards is generally determined by the average level of a contaminant. In the event a single sample exceeds the Maximum Contaminant Level (MCL), a series of repeat samples is analyzed, and the results are averaged to determine compliance. In an effort to keep our consumers informed, this report contains both the detected range, which in some instances may exceed the MCL, and the average, demonstrating compliance.

Table 2 lists contaminants regulated by **Secondary Drinking Water Standards**. Generally, these standards have been developed to address the aesthetic properties of drinking water. In addition to constituents regulated by secondary standards, we have included data regarding Sodium and Hardness, which may be of interest to consumers.

Table 3 contains data on contaminants that are not regulated.

Table 1 - Contaminants Regulated by Primary Drinking Water Standards (Groundwater sampled in 2008; Surface water sampled 2010)						
Contaminant	Units	Primary MCL (MRDL)	PHG (MCLG)	Detected Range (if noted)	Average (if noted)	Major Sources in Drinking Water
Inorganic Constituents						
Aluminum	ppb	10	95	0-0.69	0	Leachate from natural deposits, erosion from construction projects
Asbestos	ppb	10.0	0.00	0-3.5	0.3	Leachate from natural deposits, runoff from asbestos gloves and other products used in construction
Dissolved Lead	ppb	700	1.7	0-9.80	0.9	Leachate from natural deposits, erosion from construction projects
Chloride	ppm	2.0	1.0	0.1-0.7	0.3	Leachate from natural deposits
Nitrate (as NO ₃ -N)	ppm	45	10	0-50	14.5	Fertilizer runoff, animal manure, septic tank effluent, natural deposits
Selenium	ppb	50	(3)	0-25	0.9	Leachate from natural deposits, erosion from construction projects, runoff from livestock feedlot manure
Inorganic Disinfectant Byproducts & Pesticides						
Chlorine Residual	ppm	(4)	(1)	0.4-1.72	0.7	Disinfection byproduct formation
Total Trihalomethanes	ppb	10	NA	0-127	50	Byproduct of disinfection
Trihaloacetic Acids	ppb	50	NA	0-45	14.0	Byproduct of disinfection
Total Organic Carbon	ppm	177	NA	0.35-2.8	1.3	Natural organic and inorganic sources
Filtration Performance and Turbidity						
UV ₂₅₄ Absorbance	cm ⁻¹	0.1	0	0-0.1	0	Naturally present in the water, not filtered out
Turbidity	NTU	NA	100%	0.12 NTU	0.12 NTU	Settling, filtration, disinfection
Total Coliform	CFU/100 mL	5	0	0-8	0.8	Naturally present in the water, not filtered out
Lead/Copper Concentration at the Distribution System						
Lead	ppb	15 (Action Level)	0.2	0.0 (99th percentile value)	0.1	Leachate from natural deposits, erosion from construction projects
Copper	ppm	1.3 (Action Level)	0.3	0.0 (99th percentile value)	0.1	Leachate from natural deposits, erosion from construction projects
Radionuclides Contaminants						
Total Alpha	pCi/L	15	(4)	0-1.5	0.3	Leachate from natural deposits

Table 2 - Contaminants Regulated by Secondary Drinking Water Standards (plus Sodium and Fluoride) (Groundwater sampled in 2008; Surface water sampled 2010)					
Contaminant	Units	Secondary MCL	Detected Range	Average	Major Sources in Drinking Water
Aluminum	ppb	200	0-0.7	0.5	Leachate from natural deposits, erosion from construction projects
Asbestos (Total)	Units	15	0-1.0	0.02	Naturally occurring organic material
Chloride	ppm	500	0-0.7	10	Leachate from natural deposits, erosion from construction projects
Copper	ppb	1000	0-0.5	21	Leachate from natural deposits, erosion from construction projects
Iron	ppb	300	0-1.0	22	Leachate from natural deposits, erosion from construction projects
Odor Threshold at 60°C	TDN	3	1-2	1	Naturally occurring organic materials
Sulfate	ppm	250	0-70	19	Leachate from natural deposits, erosion from construction projects
Specific Conductance	microsiemens/cm	1600	240-610	320	Leachate from natural deposits, erosion from construction projects
Sodium	ppm	500	0-49	19	Leachate from natural deposits, erosion from construction projects
Total Dissolved Solids	ppm	NA	100-149	137	Leachate from natural deposits, erosion from construction projects
Total Dissolved Solids	ppm	1000	136-110	273	Leachate from natural deposits, erosion from construction projects
Turbidity	NTU	5	0-3.1	0.1	Leachate from natural deposits, erosion from construction projects
Total Hardness (as CaCO ₃)	ppm	700	70-190	113	Leachate from natural deposits, erosion from construction projects
Zinc	ppb	7000	0-50	1.4	Leachate from natural deposits, erosion from construction projects

Table 3 - Unregulated Contaminants (Groundwater sampled in 2008; Surface water sampled 2010)				
Contaminant	Units	Notification Level (Exceeded MCL)	Detected Range	Average
Boron	ppb	1000	0-260	27
Chloroform	ppb	NA	0-3.7	1.5
Chlorobenzene	ppb	NA	0-51	11.0

KEY TERMS:

Below are terms to assist consumers in understanding this report.

- Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.
- Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.
- Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.
- Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Primary Drinking Water Standard (PDWS):** MCLs and MRDLs for contaminants that affect health along with their monitoring, reporting and water treatment requirements.
- Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.
- Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

ppm - parts per million or milligrams per liter (mg/L). Equivalent to one second in eleven days and 16 hours.

ppb - parts per billion or micrograms per liter (µg/L). Equivalent to one second in thirty two years.

ppt - parts per trillion or nanograms per liter (ng/L). Equivalent to one second in three hundred twenty six years.

pCi/L - PicoCuries per Liter, a measure of radioactivity.

TN - True-Nitrogen Number, a number indicating the greatest dilution of a water sample.

NTU - Nephelometric Turbidity Unit, the cloudiness in a water sample.

Micromhos - Unit of electrical conductance.

Contaminants Requiring Special Consideration

Certain contaminants pose more risk than others and certain groups or individuals may be at greater risk than others. The following information defines contaminants that deserve special consideration, to help consumers make informed decisions regarding their drinking water.

Nitrate

Nitrate in drinking water at levels above 45 mg/L is a health risk for infants less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include lethargy, loss of appetite and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Cryptosporidium

Cryptosporidium is a microbial pathogen found in surface water throughout the United States. CVWD operates its treatment plants in accordance with a Cryptosporidium Action Plan prescribed by CDPH in an effort to remove cryptosporidium from finished drinking water. Ingestion of cryptosporidium may cause cryptosporidiosis, an abdominal infection. However, immunocompromised people are at greater risk of developing life-threatening illness. We encourage immunocompromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and may be spread through means other than drinking water.

More Information Available

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Special Precautions

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Stay Informed

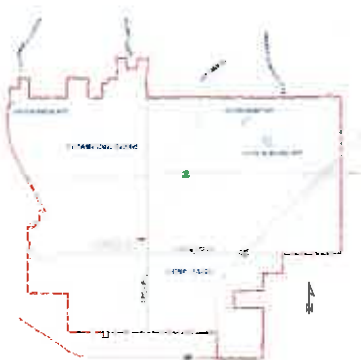
CVWD encourages customers to stay informed by attending our regularly scheduled Board meetings, which are held on the 2nd and 4th Tuesday of each month at 6:30 a.m. Board meetings are held at CVWD office located at 10440 Ashford Street, Rancho Cucamonga. Meeting agendas can be found in the CVWD website at www.cvwdwater.com.

Questions?

If you have any questions regarding this report, please contact: J.E. Rivas, Water Quality Coordinator, at (909) 987-2591.

NOTICIA IMPORTANTE

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo a español en www.cvwdwater.com.



CVWD Water Service

**IEUA Member Agency Public Outreach &
Educational Materials
FY 2010-2011**

City of Ontario





SUMMER 2011

RESIDENTIAL EDITION

Multifamily Recycling Program

The City of Ontario is **COMMITTED** to residential recycling. All single-family residential customers participate in this program. However, recycling in apartments, condos and mobile home parks (multifamily dwellings) is very limited. This is due largely to occupant turnover, limited space, and inconsistent communication about the program. But a new, very ambitious project to initiate recycling service at 100 multifamily dwellings is underway.

The source of funding for this program is a grant received from the California Department of Resources Recycling and Recovery (CalRecycle). To kick-start this program, City staff has prepared extensive outreach and recycling education to multifamily residents. Participating residents receive a **recycling tote bag** to store and transport recyclables from their unit to the new recycling bin located in their complex. City staff follows up by monitoring the level of contamination in recycling bins, and, as appropriate, does additional outreach and education. To date, there are over 20 complexes with recycling in Ontario, and that number continues to grow.

For more information about the City's Multifamily Recycling Program, or to inquire about starting a program at your complex, please call **(909) 395-2040**.



Programa de reciclaje para complejos multifamiliares

La ciudad de Ontario **TIENE UN COMPROMISO** con el reciclaje residencial. Todos los habitantes residenciales de viviendas unifamiliares ya participan en este programa; sin embargo, las posibilidades de reciclaje para viviendas multifamiliares tales como departamentos, condominios y Parques de viviendas prefabricadas [Mobile home parks] son muy escasas. Eso se debe en su mayoría a la alta tasa de rotación de habitantes, las limitaciones de espacio y la falta de consistencia en la información acerca del programa. Por este motivo, se encuentra actualmente en curso un nuevo y ambicioso proyecto para poner en marcha servicios de reciclaje en 100 complejos multifamiliares.

La fuente de financiamiento para este programa corresponde a un subsidio proveniente del Departamento de Reciclaje y Recuperación de Recursos de California (CalRecycle). Para dar inicio a este programa, el personal de la Ciudad ha preparado amplios programas de educación y de acercamiento a la ciudadanía destinados a residentes de complejos multifamiliares. Los residentes que participen recibirán una **bolsa grande de reciclaje** para recolectar y transportar objetos reciclables desde su vivienda hasta el contenedor de reciclaje ubicado en su complejo.

Luego, el personal de la Ciudad examinará los niveles de contaminación en contenedores de reciclaje y continuará con los programas de educación y acercamiento ciudadano según sea necesario. Al día de la fecha existen más de 20 complejos residenciales en Ontario participando en programas de reciclaje, y el número va en aumento.

Para obtener más información acerca del Programa de reciclaje para complejos multifamiliares, o averiguar cómo iniciar un programa de reciclaje en su complejo, llame al número **(909) 395-2040**.

WRAP Winners in Ontario

The Waste Reduction Awards Program (WRAP) is a statewide CalRecycle initiative to recognize California businesses for outstanding waste reduction efforts and provide examples of successful waste reduction programs. Four Ontario based companies were among the 2010 winners: Cardinal Health, Robert Bosch LLC, Toyota Motor Sales/ North American Parts Center California (NAPCC), and Office Master, Inc.

All four Ontario businesses implemented programs that not only helped protect and improve the environment, but also saved each business money.



Cardinal Health is a worldwide healthcare manufacturer and wholesaler. In 2009, Cardinal diverted 1,460 tons of waste from the landfill, saving \$150,000 in disposal fees while earning \$70,000 by recycling!

Robert Bosch LLC is a leading global supplier of industrial and consumer goods. In 2009, Robert Bosch reduced its carbon footprint by 154 tons while saving \$28,000 through energy efficiency and recycling programs.

The **Toyota NAPCC** facility consolidates and distributes auto parts and accessories to distribution centers throughout North America. In 2009, Toyota saved more than 8,700 tons of wood and cardboard by switching to reusable metal shipping units.

Office Master, Inc., a leading seating manufacturer, recently opened a new, state-of-the-art and green facility in Ontario. The new building makes use of recycled content in items from carpet tiles to counter-tops to irrigation water, door cores and more.

Congratulations to all four 2010 WRAP winners! If your business is interested in ways to reduce waste and cut costs, or to apply for a WRAP award, visit: <http://www.calrecycle.ca.gov/WRAP>

Ganadores de WRAP en Ontario

El Programa de recompensas por reducción de desechos (WRAP) es una iniciativa CalRecycle que se lleva a cabo a lo largo de todo el estado, y que tiene como objetivo dar reconocimiento a empresas de California que se destaquen en sus esfuerzos en reducción de desechos, además de ofrecer ejemplos de programas exitosos en dicha área. Entre los ganadores del año 2010 figuraron las siguientes empresas: Cardinal Health, Robert Bosch LLC, Toyota Motor Sales/ North American Parts Center California (NAPCC), y Office Master, Inc.

Las cuatro empresas de Ontario anteriormente mencionadas implementaron programas que no sólo ayudaron a proteger y mejorar el ambiente, sino que también permitieron a cada empresa ahorrar dinero.

Cardinal Health es un fabricante y vendedor mayorista multinacional enfocado en el sector de la salud. En el año 2009, los esfuerzos de Cardinal evitaron que 1460 toneladas de desechos llegaran a rellenos sanitarios, generando un ahorro de \$150,000 dólares junto a una ganancia de otros \$70,000 dólares, sólo por medio del reciclaje.

Robert Bosch LLC es un proveedor mundial de bienes industriales y de consumo de renombre. En el año 2009, Robert Bosch redujo su impacto ecológico en 154 toneladas, a la vez ahorrando \$28,000 dólares a través de programas de reciclaje y eficiencia energética.

El centro **Toyota NAPCC** transporta y distribuye partes y accesorios de automóviles a centros de distribución ubicados en toda América del Norte. En el año 2009, Toyota ahorró más de 8700 toneladas de madera y cartón al cambiar sus unidades de transporte a unidades metálicas reusables.

Office Master, Inc. es un fabricante de sillas y otros productos de oficina líder en el mercado que recientemente abrió una instalación ecológica con tecnología de punta en Ontario. La nueva instalación usa materias recicladas en todo: alfombras tamaño plaquetas, estufas encimeras sin horno, agua para irrigación, puertas y más.

¡Muchas felicidades! a los cuatro ganadores de WRAP 2010! Si su empresa está interesada en aprender más sobre formas para reducir desechos y recortar costos, o si desea postular a un premio WRAP, visite el sitio: <http://www.calrecycle.ca.gov/WRAP>

High Efficiency Street Lighting

The City of Ontario is reaping big savings by installing new energy efficient street lighting. The two-phase project will replace 3,600 older, less efficient street lights with new, high efficiency Light Emitting Diode (LED) lighting. LED "bulbs" actually consist of small lights embedded in an electronic circuit board. The LED lights have many advantages over the older high-pressure sodium (HPS) and metal halide lamps. These benefits include:

- **Longer useful life** - LED street lamps typically last *fourteen years*, compared to the HPS lifetime of only four years.
- **Reduced energy use** - LED street lamps use 30% less energy than HPS lamps and 36% less energy than metal halide lights.
- **Reduced greenhouse gas emissions** - Based on 100,000 hours of use, an LED street light produces 25% less greenhouse gas emissions than an HPS street light.
- **Lower overall cost** - Because of their longer life and lower energy use, LED street lights yield up to 40% in energy savings for the City.



Alumbrado público de alta eficiencia energética

La Ciudad de Ontario está ahorrando en grande gracias a la instalación de alumbrado público de alta eficiencia energética. Este proyecto reemplazará las 3600 luces antiguas de poca eficacia ya existentes por nuevos sistemas de iluminación por medio de diodos emisores de luz (LED). Las ampollas LED están compuestas por múltiples luces pequeñas ensambladas en una placa base electrónica. Las luces LED poseen muchas ventajas sobre las luces antiguas de sodio de alta presión (HPS) y luces de halogenuros metálicos. Estas ventajas incluyen:

- **Más vida útil** - las luces de alumbrado tipo LED duran por lo general hasta catorce años, esto comparado a los cuatro años que duran las de tipo HPS.
- **Menor uso energético** - las luces de alumbrado tipo LED utilizan un 30% menos de energía en comparación con las de tipo HPS, y un 36% menos en comparación a las luces de halogenuros metálicos.
- **Reducción de emisión de gases invernadero** - basado en 100,000 horas de uso, una luz de alumbrado público tipo LED produce un 25% menos de gas invernadero que una luz de alumbrado tipo HPS.
- **Menor costo total** - debido a su más larga duración y menor uso energético, las luces de alumbrado tipo LED ahorran alrededor de un 40% de fondos de la Ciudad.

High Efficiency Toilet Installation Program

Ontario Municipal Utilities Company, in partnership with the Inland Empire Utilities Agency, is offering a high efficiency toilet installation program to multi-family and single-family residents for a nominal fee. Ontario residents can exchange older, water guzzling toilets for high-efficiency models, and save up to 14,000 gallons of water per year, per toilet.

Your Package includes:

- Toilet Installation
- A quality High Efficiency Toilet
- Wax Ring, Bolts and Installation Hardware
- A Six-Month Customer Satisfaction Guarantee
- Disposal of Old Toilet

To participate, call Bottom Line Utility Solutions at **1-800-597-2835** or email redelstein@bottomlineutilities.com



Programa de instalación de tazas de baño de alta eficiencia

Ontario Municipal Utilities Company, en conjunto con Inland Empire Utilities Agency está ofreciendo un programa de instalación de tazas de baño de alta eficiencia para residentes de viviendas unifamiliares y multifamiliares por un cargo mínimo. Los residentes de Ontario podrán cambiar sus tazas de baño antiguas que derrochan agua por modelos de alta eficiencia, ahorrando así hasta 14,000 galones de agua por año, por cada una.

El paquete incluye:

- Instalación de la taza de baño.
- Una taza de baño de alta calidad y eficiencia
- Anillo de cera, tornillos de sujeción y herramientas de instalación
- Seis meses de garantía para el consumidor
- Ayuda para desechar la taza de baño antigua.

Para participar, llame a Bottom Line Utility Solutions al número **1-800-597-2835**, o envíe un correo electrónico a la dirección redelstein@bottomlineutilities.com

Finish the Job – Recycle Your Used Motor Oil and Filters

One in five California drivers changes their own motor oil. If you Do-It-Yourself, then you need to **finish the job by recycling your used motor oil and filters**.

Fortunately, this is easy to do. All businesses below accept used oil from the public at no charge. Where noted (**), these businesses also accept used oil filters.

Tips for Recycling Used Motor Oil

- Please call the FREE Collection Center nearest you to verify hours of operation and quantities accepted.
- Used motor oil recyclers may request a **\$.40 per gallon rebate**.
- **CONTAMINATED OIL IS NOT ACCEPTED.**
- Carry oil in a clean, unbreakable plastic container. Place oil filters in a sealed plastic bag to prevent leaks.



Funded by the Department of Resources Recycling and Recovery (CalRecycle)

Haga el trabajo completo – Recicle sus filtros y su aceite de motor usado

Uno de cada cinco conductores en California cambia su propio aceite de motor. Si usted es uno de ellos, **asegúrese de terminar el trabajo y reciclar el aceite y el filtro una vez que haya terminado**. Afortunadamente, esto es una tarea fácil. Todas las empresas a continuación reciben aceite ya usado sin costo alguno. Una marca (**), indica que estas empresas también reciben filtros de aceite usados.

Consejos para reciclar aceite de motor usado

- Llame al centro de recolección más cercano a usted de forma GRATUITA para averiguar las horas de funcionamiento y las cantidades aceptadas por estas empresas.
- Aquellos que reciclen aceite de motor usado podrán pedir una devolución de **\$.40 por galón**.
- **NO SE ACEPTARÁ ACEITE CONTAMINADO.**
- Transporte su aceite en un contenedor de plástico limpio y resistente. Coloque los filtros de aceite en bolsas plásticas selladas para prevenir escapes.

City of Ontario Certified Collection Centers

Auto Zone #5617
1860 S. Euclid Ave.
(909) 983-8211

AutoZone #5618
503 E. Holt Blvd.
(909) 391-5117

Auto Zone #5619
1881 E. Fourth St.
(909) 391-0485

AutoZone #3328
1060 N. Mountain Ave.
(909) 391-4438

Crown Lexus
1125 Kettering Dr.
(909) 390-9800

Jeep Chrysler Dodge of Ontario
1202 Auto Center Dr.
(909) 390-9898

Jiffy Lube #0756
11195 Central Ave.
(909) 464-0242

Jiffy Lube #1936
4567 Mills Cir.
(909) 481-1810

Jiffy Lube #3304
2560 S. Vineyard Ave.
(909) 592-8484

Kragen / O'Reilly Auto Parts # 0548 ()**
2460 S. Grove Ave.
(909) 947-5085

Kragen / O'Reilly Auto Parts # 1744 ()**
860 N. Mountain Ave.
(909) 391-1492

Mark Christopher Auto Center
2131 E. Convention Center Way
(909) 975-3931



CITY OFFICIALS

Paul S. Leon
Mayor
Debra Dorst-Porada
Mayor pro Tem
Alan D. Wapner
Sheila Mautz
Jim W. Bowman
Council Members

Chris Hughes
City Manager
Mohamed El-Amamy
Utilities General Manager

UPCOMING EVENTS

FREE Water Wise Gardening Workshop
Saturday, May 14, 2011
Ontario Senior Center
225 E. "B" Street
9:00 am to 1:00 pm

FREE Mulch Giveaway
Saturday, May 21, 2011
1400 S. Cucamonga Avenue
(West side of the street between Belmont and Francis Streets)
8:00 am to 2:00 pm
Ontario residents only –
bring your own shovel and container

FREE Backyard Composting Workshop
Saturday, June 25, 2011
Ovitt Family Community Library
215 East "C" Street
10:00 am to 11:30 am



produced by recyclepaper



Christmas Tree Recycling

The City of Ontario will be collecting Christmas trees for recycling **January 3, 2011 through January 14, 2011.**

Tree Recycling Guidelines:

- Remove all tinsel, ornaments, nails, stands, and garland.
- Do not place the tree into a plastic bag.
- Place the tree next to the containers on your regular collection day.

You may also cut up the tree into 18 to 24 inch pieces and place in your green container. Please place the branches loosely inside and do not overload the container.

Apartment renters may contact their Apartment Manager regarding tree collection. Please do not place tree inside or around bin enclosures.

For more information please call Customer Service at **(909) 395-2050.**

Conserve Water and Save on Utility Costs During the Cooler Seasons

With fall and winter upon us, adjust your landscape irrigation timer to avoid wasting water while keeping plants healthy. To create your own custom watering schedule, go to www.bewaterwise.com and use the free Watering Calculator.

High-efficiency rotator nozzles and weather-based irrigation controllers also save water; rebate information is available at <http://socalwatersmart.com>. Or, skip the thirsty turf and redesign your landscape using colorful native or drought resistant plants. For ideas on how to get started, go to www.bewaterwise.com and click on "Garden Spot".



Reciclaje de árboles de Navidad

La ciudad de Ontario juntará árboles de Navidad para ser reciclados desde el **3 de enero del 2011 hasta el 14 de enero del 2011.**

Pautas de reciclaje de árboles:

- Quite todas las guirnaldas (escarchas), adornos, clavos, bases y coronas navideñas.
- No ponga el árbol en una bolsa de plástico.
- Ubique el árbol junto a los basureros en los días normales de recolección de basura.

También puede cortar el árbol en partes de 45 a 60 centímetros (18 a 24 pulgadas) y depositarlo en su basurero de reciclaje. Por favor ubique las ramas de forma separada y no llene el contenedor.

Los arrendatarios de apartamentos pueden contactar a su Encargado de los apartamentos para temas de recolección de árboles. Por favor no tire los árboles en el contenedor ni tampoco en el espacio libre entre el mismo y las paredes del cerco que lo encierran.

Para más información por favor llame al Servicio al Cliente al número **(909) 395-2050.**

Conserve el agua y ahorre en sus gastos de Utilidades durante las temporadas más frías

El otoño y el invierno están cerca, por lo que sería apropiado que ajustase el temporizador de su irrigador de jardines para evitar el desperdicio de agua y a la vez mantener sus plantas saludables. Para crear su propio horario personalizado de riego, visite el sitio www.bewaterwise.com y use gratis la Calculadora de Riego.

Las boquillas de riego rotadoras de alta eficiencia y controladores de irrigación basados en el clima también pueden ayudarle a ahorrar agua. Usted podrá encontrar información sobre descuentos en <http://socalwatersmart.com>. Otra opción es deshacerse de su césped que necesita tanta agua y rediseñar su patio con coloridas plantas nativas y/o resistentes a sequías. Para más ideas sobre cómo hacer esto, visite el sitio www.bewaterwise.com y presione en "Garden Spot".

Recycling Protects the Environment and Saves Money

Most cities, including the City of Ontario, offer a recycling collection program. Your participation in Ontario's recycling program is important because it protects the environment and saves money. Here is how:

Conserves Energy - Making new products from recycled materials takes less energy - often significantly less. For example:

- Recycled newspaper uses 40% less energy. Every ton of mixed paper recycled can save the energy equivalent of 185 gallons of gasoline.
- Recycled glass uses 40% less energy.
- Recycled plastic uses 70% less energy. Every ton of plastic that is recycled can save the equivalent of 2 people's energy use for the year.
- Recycled aluminum uses 95% less energy. Recycling one ton of aluminum cans conserves the equivalent of 36 barrels of oil, which equals 1,665 gallons of gasoline.

Saves Natural Resources - Using recycled materials means we can harvest fewer trees, mine for fewer metals, and drill for less oil. For example:

- Every ton of newspaper or mixed paper recycled saves the equivalent of 12 trees.
- Every ton of office paper recycled saves the equivalent of 24 trees.
- Every ton of steel recycled conserves 2,500 pounds of iron ore and 1,400 pounds of coal.

Greenhouse Gas Emissions - Nationally, we recycled and composted 83 million tons of municipal solid waste last year.

- The national recycling rate of 30% reduces greenhouse gas emissions equivalent to removing nearly 25 million cars from the road.
- Methane gas produced at landfills is a greenhouse gas 21 times more potent than carbon dioxide.

Recycling benefits the environment. The next time you recycle your plastic bottles, aluminum cans, or newspaper, remember that you are part of the solution. For more information regarding recycling opportunities in Ontario, please call (909) 395-2040, or visit the City's web site at www.ci.ontario.ca.us.



El Reciclaje le permite proteger el Medio Ambiente y a la vez ahorrar dinero

La mayoría de las ciudades, incluyendo la ciudad de Ontario, ofrecen un programa de reciclaje y recolección. Su participación en el programa de reciclaje de Ontario es importante debido a que éste ayuda proteger el Medio Ambiente y ahorrar dinero. El programa ayuda de diversas formas, como por ejemplo:

Conserva energía - Creando productos nuevos de materiales reciclados que ocupan una cantidad de energía por lo general bastante reducida. Por ejemplo:

- Los periódicos reciclados ocupan un 40% menos de energía. Cada tonelada de papel reciclado ahorra una cantidad de energía equivalente a 185 galones de gasolina.
- El vidrio reciclado ocupa un 40% menos de energía.
- El plástico reciclado ocupa un 70% menos de energía. Cada tonelada de plástico reciclado ahorra una cantidad de energía equivalente a lo que usan 2 personas en un año entero.
- El aluminio reciclado ocupa un 95% menos de energía. El reciclaje de una tonelada de latas de aluminio conserva un equivalente a 36 barriles de petróleo, lo cual equivale a 1.665 galones de gasolina.

Ahorra recursos naturales - El uso de materiales reciclados resulta en el corte de menos árboles, la extracción de menos metales y petróleo. Por ejemplo:

- Cada tonelada de periódico o papel mezclado reciclado ahorra un equivalente a 12 árboles.
- Cada tonelada de papel de oficina reciclado ahorra un equivalente a 24 árboles.
- Cada tonelada de acero reciclado ahorra 2.500 libras de mineral de hierro y 1.400 libras de carbón.

Emisiones de gas de Efecto Invernadero - De forma nacional, reciclamos y producimos 83 millones de toneladas de abono y desperdicios sólidos municipales solamente en el año que pasó.

- Una tasa de reciclaje nacional de un 30% reduce emisiones de gas de efecto invernadero equivalentes a que transitasen 25 millones de autos menos en las carreteras.
- El gas metano producido en vertederos es un gas de tipo efecto invernadero 21 veces más potente que el dióxido de carbono.

Reciclar beneficia al medio ambiente. La próxima vez que recicle sus botellas de plástico, latas de aluminio o diarios, recuerde que está formando parte de la solución. Para más información sobre opciones de reciclaje en Ontario, por favor llame al número de teléfono (909) 395-2040, o visite el sitio web de la Ciudad en la dirección www.ci.ontario.ca.us.

Contamination of Recyclables - Keep the Trash Out!

The success of the recycling and green waste collection program depends upon materials being placed into the appropriate containers. Putting trash in your blue recycling or green waste can contaminate the load, and adds significant costs that may be passed on to residents in the form of increased rates. Also, contaminated loads are sometimes landfilled, defeating the purpose and benefits of recycling.

THANK YOU for your commitment to the recycling program and making Ontario a more sustainable community. Ontario is meeting State mandated goals for recycling. With your help, we can continue to divert more materials from the landfill. For a complete list of acceptable recycling and green waste items, see the back of your utility bill, the City web site at www.ci.ontario.ca.us, or call the Recycling Hotline at (909) 395-2040.



Contaminación de Reciclables - ¡No tire basura dentro!

El éxito de los programas de reciclaje y recolección de desechos orgánicos depende de que los materiales sean depositados en los contenedores correctos. Depositar basura en sus contenedores azules de reciclaje o contenedores verdes puede contaminarlos, lo cual agrega importantes costos que podrían pasar a los residentes en forma de impuestos más altos. Además, las cargas contaminadas a veces llegan a vertederos, lo cual va en contra del propósito fundamental del reciclaje.

GRACIAS por su compromiso con el programa de reciclaje y por ayudar a hacer de Ontario una comunidad más sostenible, la cual cumple actualmente las metas de reciclaje requeridas por el Estado. Con su ayuda podremos alejar cada vez más elementos de los vertederos.

Para una lista completa de objetos apropiados para ser reciclados y desperdicios orgánicos, vea el reverso de su recibo de servicios públicos, el sitio web de la ciudad en www.ci.ontario.ca.us, o bien llame a la 'Línea de Reciclaje' al número (909) 395-2040.

Five Green Ideas to Save Money and Energy Right Now

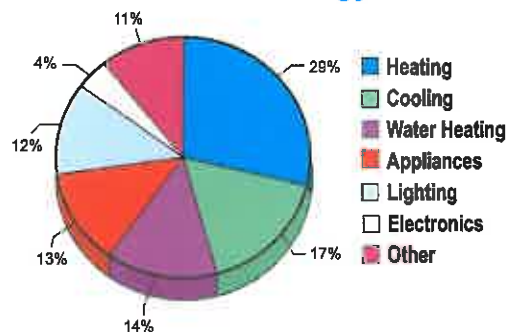
Did you know that, according to the U.S. Department of Energy, the typical U.S. family spends about \$1,900 a year on energy (gas & electric) bills? Unfortunately, a large percentage of that energy is wasted.

Fortunately, there are low-cost and no-cost ways to reduce your home's energy use and save money. Try the following five energy tips and see how much money they can save you.

1. Set the **thermostat on your water heater** to no higher than 120 degrees.
2. Plug your appliances into **power strips** and turn the power strips off when the items are not in use.
3. Use **compact fluorescent light (CFL) bulbs** with the Energy Star label.
4. Check your doors and windows for **air leaks** and seal up any that you find.
5. Install an **energy efficient programmable thermostat**.

Taking a little action now will add to substantial energy savings over time. For more energy saving tips visit the U.S. Department of Energy at www.eere.energy.gov/consumer/tips/.

Household Energy Use



Cinco ideas de reciclaje para ahorrar dinero y energía de forma inmediata.

¿Sabía usted que, de acuerdo al Departamento de Energía de los Estados Unidos, una familia típica estadounidense gasta aproximadamente \$1.900 dólares al año en energía eléctrica y gas? Desafortunadamente, un gran porcentaje de esa energía se desperdicia.

Por suerte existen formas de bajo costo, e incluso gratuitas, de reducir el uso de energía eléctrica en su hogar y ahorrar dinero. Pruebe con estas cinco sugerencias de ahorro de energía y vea cuánto le pueden ayudar a ahorrar.

1. Configure el termostato en su **calentador de agua** a una temperatura no superior a los 120 grados Fahrenheit (49 grados Celsius).
2. Conecte sus electrodomésticos a una **regleta de enchufes múltiples con un solo interruptor** y apáguelo cuando sus aparatos eléctricos no estén en uso.
3. Use **bombillas fluorescentes de bajo consumo (CFL, por sus siglas en inglés)** que tengan la etiqueta Energy Star.
4. Revise si existen **fugas de aire** en sus puertas y ventanas y séllelas si éstas se encuentran presentes.
5. Instale **termostatos programables de consumo eficiente**.

Con sólo un poco de esfuerzo podrá ver a largo plazo importantes ahorros de energía. Para más información sobre ahorro de energía, visite el sitio web del Departamento de Energía de los Estados Unidos en www.eere.energy.gov/consumer/tips/.

Profile in Sustainability - City Hall is Going Green

The Ontario City Hall renovation/rehabilitation project is an example of the City's commitment to sustainability. The City is seeking a LEED Silver certification for the project.

LEED (Leadership in Energy and Environmental Design) is an internationally recognized green building certification system that verifies that a building incorporates all the environmental categories that matter most: energy savings, water efficiency, carbon dioxide emissions reduction, improved indoor environmental quality, and the wise use of resources.

The remodeled City Hall will include the maximum use of materials with high recycled content, high efficiency irrigation, California Friendly landscape and the recycling of construction waste. Indoor environmental quality will be improved by the installation of new high efficiency lighting, plumbing, heating, ventilation and air conditioning systems, the use of natural light, keeping smoking areas away from the building's entries and air intakes, and the use of low-fume emitting paints, floor coverings, and sealants.

Ontario's new green City Hall is scheduled for completion in Spring 2011. For more information on the City Hall LEED Project, contact the Development Agency at **909-395-2170**.



Datos ecológicos descriptivos - El municipio se esta volviendo verde

El proyecto de renovación y rehabilitación del municipio de la ciudad de Ontario es un claro ejemplo del compromiso de la ciudad con la sustentabilidad del medio ambiente. La ciudad está actualmente en búsqueda de una certificación de plata LEED para su proyecto.

LEED (Liderazgo en Diseño de Energía y Ambientes, en español) es un sistema de certificación de construcción ambientalmente consciente reconocido en todo el mundo, el cual verifica que una construcción incorpora todas las categorías ambientales que más importan: ahorro de energía, eficiencia de aguas, reducción de emisiones de dióxido de carbono, mejora en la calidad de ambientes en interiores y un buen uso de recursos.

El nuevo y remodelado Municipio incluirá la mayor cantidad posible de materiales con contenido altamente reciclado, irrigación de alta eficiencia, jardines California Friendly y el reciclaje de desechos de construcción. La calidad ambiental en interiores será mejorada a través de la instalación de sistemas de iluminación, cañerías, calefacción, ventilación y aire acondicionado de alta eficiencia; uso de luz natural, áreas de fumadores separadas de las entradas y tomas de aire del edificio y el uso de pinturas, revestimientos de suelo y selladores de baja emisión de gases.

El nuevo Municipio ambientalmente consciente de Ontario está programado para terminar su construcción en la primavera del año 2011. Para más información sobre el proyecto Municipio LEED, contacte a la Agencia de Desarrollo al número **(909) 395-2170**.

CITY OFFICIALS

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Mayor

Alan D. Wapner
Mayor pro Tem

Sheila Mautz
Jim W. Bowman
Debra Dorst-Porada
Council Members

Chris Hughes
City Manager

Mohamed El-Amamy
Utilities General Manager

UPCOMING EVENTS

Mulch Give-Away:

Saturday, November 20, 2010
1400 South Cucamonga Avenue
(West side of street, between Belmont
and Francis Streets)
8:00 am to 2:00 pm

Saturday, February 12, 2011
Galvin Park (Southeast corner of 4th
and Grove -behind the Jay Littleton
ball field) 8:00 am to 2:00 pm

**Ontario Residents only - Bring
your own shovel and container.**

Composting Workshop:

Saturday, March 26, 2011
Ontario Main Library
215 East "C" Street
10:00 am to 11:30 am



printed on recycled paper





Spring Gardening

Now that spring is officially here, it's time to think about how to turn your garden from ordinary to water-wise. In Southern California, a typical single family home uses as much as 50% of its total water on yard and garden irrigation. Waterwise gardens are designed to reduce the amount of time required for yard maintenance, as well as the expense of water for irrigation. Go to www.bewaterwise.com for information on planning your own garden makeover, a "Water Calculator" to create your own custom watering schedule, and a searchable plant list.

Green Tips:

- Group plants together according to their water needs.
- Apply a layer of mulch around your plants to cover and cool the soil.
- Evaluate your irrigation system and the methods of watering.
- Check your sprinkler system for leaks and broken sprinkler heads.



Water Smart Rebates

Ontario residents may be eligible for water conservation rebates on items such as smart controllers, rotating nozzles, and high efficiency washers. This regional water conservation rebate program provides customers with incentives for installing water saving devices. Funding is limited and rebates will be issued on a first come, first served basis. Program runs through May 31, 2011.

For more information go to:
www.ieua.org/conservation/rebate/residential.html.

Jardinería y primavera

Ahora que la primavera llegó, es hora de pensar en cómo transformar su jardín de un jardín ordinario a uno eficiente. En el sur de California, el hogar de una familia común gasta alrededor de un 50% su agua sólo en irrigación de jardines y patios. Los jardines de eficiencia de agua están diseñados para reducir la cantidad de tiempo requerido para mantener su patio funcional, a la vez disminuyendo el gasto de agua al regar. Visite www.bewaterwise.com, donde encontrará información sobre como transformar su jardín, una "Calculadora de agua" que le permitirá crear su propio itinerario de regado personalizado y una lista explorable de plantas.

Consejos ecológicos:

- Agrupe sus plantas de acuerdo a sus necesidades de agua.
- Agregue una capa de abono alrededor de sus plantas para cubrir y enfriar el suelo.
- Evalúe su sistema de irrigación y los métodos que usa para regar.
- Revise desperfectos en sus rociadores, como fugas o averías.

Descuentos de eficiencia de agua

Los residentes de Ontario podrán optar a descuentos de conservación de agua para productos tales como controladores inteligentes, boquillas giratorias y lavadoras de alta eficiencia. Este programa regional de descuentos para conservación de agua otorga a sus clientes incentivos para instalar dispositivos ahorradores de agua. El financiamiento es limitado, y los descuentos se entregarán en orden de llegada. El programa seguirá en funcionamiento hasta el 31 de mayo del 2011. Para más información, visite <http://www.ieua.org/conservation/rebate/residential.html>.

Household Hazardous Waste (HHW) Facility

1430 S. CUCAMONGA AVENUE • 909.395.2040

Ontario's HHW facility is open Friday and Saturday from 9:00 a.m. to 2:00 p.m. There is no charge for this program. The HHW facility also has a Reuse Center where you can pick up partially used but perfectly usable products for **FREE**.

Besides paints, oils and solvents, these items should also be taken to the HHW:

- **E-waste** - TVs, computer monitors and components, stereo equipment, and cell phones contain harmful materials such as lead, which can contaminate our water supply if sent to the landfill.
- **Sharps** - Hypodermic needles and lancets should be stored in a sharps container and dropped off at the HHW. **FREE** sharps containers are available when you visit.
- **Pharmaceuticals** - Over-the-counter and prescription medicines contaminate the water supply if not disposed of properly. Take them to the HHW in a sealed container.
- **CFLs** - Compact fluorescent light bulbs and tubes save energy in the home, but contain hazardous materials, so please discard safely at the HHW.
- **Batteries** - Household batteries contain toxic metals and it is illegal to dispose of them in the trash.



Instalaciones de Desechos Peligrosos del Hogar

1430 S. CUCAMONGA AVENUE • 909.395.2040

La instalación HHW de Ontario se encuentra abierta los viernes y sábados, desde las 9:00 a.m. hasta las 2:00 p.m. Este programa no posee costo. La instalación HHW posee además un Centro de Reciclaje, en el cual podrá obtener productos parcialmente usados pero completamente funcionales de forma totalmente **GRATUITA**.

Además de pinturas, aceites y solventes, los siguientes objetos también deberían ser llevados a la instalación HHW:

- **Desechos electrónicos** - Los televisores, pantallas de computador y sus componentes, equipos de estéreo, y teléfonos celulares poseen materiales dañinos tales como el plomo, los cuales pueden contaminar nuestras fuentes de agua al ser enviados a rellenos sanitarios.
- **Objetos punzantes** - Objetos como agujas hipodérmicas y lancetas deben ser guardadas en contenedores de objetos punzantes para luego ser dejadas en la instalación HHW. Al visitar podrá encontrar contenedores de objetos punzantes totalmente **GRATIS**.
- **Productos farmacéuticos** - Existe la posibilidad de que medicamentos de venta libre y otros medicamentos de prescripción puedan contaminar fuentes de agua si no son eliminadas correctamente. Llévelas a la instalación HHW en un contenedor sellado.
- **CFLs** - Pese a que tubos y lámparas fluorescentes compactas ayudan a ahorrar energía en el hogar, éstas contienen materiales peligrosos, los cuales deberían ser desechados de forma segura en la instalación HHW.
- **Baterías y pilas** - Las baterías y pilas contienen metales tóxicos, y es ilegal tirarlas a la basura.

Reusable Shopping Bags Make a Difference-Start Using Them Today!

Plastic bags harm the environment in many ways. A single plastic bag can take up to 1,000 years to degrade. Every square mile of ocean has about 46,000 pieces of plastic floating in it.

Be part of the solution. You can use fewer plastic bags by using reusable bags instead. Start doing your part today. For a very low price you can purchase reusable bags from most local stores.

Here are some other facts about plastic bags:

- California uses 19 billion single use plastic bags a year. On a per capita basis, that's 92 million plastic bags in Ontario alone!
- The US uses about 100 billion single use plastic bags each year.
- A million plastic bags are used every minute worldwide.



Las bolsas de compras reciclables pueden hacer la diferencia, ¡comience a usarlas hoy mismo!

Las bolsas plásticas dañan al ambiente de muchas formas. ¡Una sola bolsa plástica puede demorar hasta 1000 años en degradarse! Cada milla cuadrada de océano tiene alrededor de 46000 bolsas plásticas flotando libremente.

Sea parte de la solución. Por medio del uso de bolsas reciclables, minimizará el uso de bolsas plásticas. Aporte su grano de arena hoy mismo. Por un precio muy bajo puede adquirir bolsas reusables desde la mayoría de las tiendas a su alrededor.

A continuación algunos otros datos sobre bolsas plásticas:

- California usa 19 billones de bolsas plásticas de un sólo uso cada año. En una medida per cápita, ¡esto corresponde a 92 millones de bolsas plásticas sólo en Ontario!
- Los Estados Unidos usan alrededor de 100 billones de bolsas plásticas de un sólo uso cada año.
- Un millón de bolsas plásticas son usadas alrededor del mundo por minuto.

Do your Spring Cleaning and Help the Environment

As you prepare for spring cleaning chores this year, remember that there are many environmentally friendly options that keep items out of our local landfills.

- **Bulky Item Pickup** - Bulky item collection is available all year long. Residents may request two **FREE** collections per year. Materials are limited to one 4' by 8' standard pick up load and to items that can be easily handled by two people. Typical bulky items include major appliances, electronics, furniture, mattresses, and bundled brush (less than 18" in diameter and 4' in length). The City makes every effort to recycle bulky items. To schedule a bulky item collection call (909) 395-2050.



- **Donations** - Items that you no longer want or need may still be usable. Donate usable household items to your favorite charity such as Goodwill Industries on the web at www.goodwill.org/get-involved/donate, the Salvation Army at www.saltruck.org/donate-goods or by phone at (800) SA-TRUCK (800-728-7825), or other local charities and/or thrift stores.

- **Yard Sales** - Ontario residents may hold up to four yard sales per year. Yard sale permits are not required; however, residential yard sales can only be held on four selected weekends per year between the hours of 7:00 am and 6:00 pm.

The remaining yard sale weekends for 2011 are:

- May 6, 7 and 8
- August 5, 6 and 7
- November 4, 5 and 6

For more information please go to:
www.ci.ontario.ca.us/index.cfm/21952/70741

- **Recycling** - You can use your blue curbside recycling container for ALL your household recyclables. Besides the usual paper, cans and bottles, the following items can be recycled:

- Styrofoam trays, cups and packaging
- Clean aluminum foil
- Plastic tubs such as yogurt and cottage cheese containers
- Non-foil wrapping paper
- Cardboard milk and juice cartons

Haga su Limpieza de Primavera y ayude a la naturaleza

A medida que se prepara para sus tareas de limpieza de primavera este año, recuerde que existen muchas opciones seguras para el ambiente que ayudarán a alejar desechos de nuestros rellenos sanitarios.

- **Recolección de objetos pesados:** - Esta opción se encuentra disponible todo el año. Residentes del lugar podrán solicitar dos recolecciones **GRATIS** por año. Los materiales están limitados a una carga estándar de 4' por 8', y a objetos que pueden ser fácilmente manejados por dos personas. Objetos pesados típicos incluyen aparatos de línea blanca comunes, aparatos electrónicos, muebles, colchones y maleza en bultos (menor a 18" de diámetro y 4' de largo). La Ciudad hace todos los esfuerzos posibles para reciclar objetos pesados. Para programar una recolección de objetos pesados, llame al (909) 395-2050.

- **Donaciones** - Objetos que ya no desea o necesita todavía pueden ser útiles. Done objetos funcionales de hogar a su organización de beneficencia favorita, tales como Goodwill Industries, en el sitio web www.goodwill.org/get-involved/donate, el Ejército de Salvación en el sitio www.saltruck.org/donate-goods o bien por teléfono al número (800) SA-TRUCK (800-728-7825); además de otras organizaciones locales o tiendas de objetos de segunda mano.

- **Ventas de garaje** - Los residentes de Ontario podrán organizar hasta cuatro ventas de garaje por año. No serán requeridos permisos de venta de garaje; sin embargo, las ventas de garaje residenciales solo podrán ser realizadas en 4 fines de semana específicos por año, entre las 7:00 am y 6:00 pm

Los fines de semana todavía disponibles para ventas de garaje en el 2011 son:

- 6, 7 y 8 de mayo
- 5, 6 y 7 de agosto
- 4, 5 y 6 de noviembre

Para más información, visite el sitio
<http://www.ci.ontario.ca.us/index.cfm/21952/70741>

- **Reciclaje** - Puede usar su contenedor de reciclaje exterior azul para TODO tipo de objetos reciclables de hogar. Además de los típicos papeles, latas y botellas, los siguientes objetos pueden ser también reciclados:

- Bandejas de polietileno, vasos y envoltorios
- Láminas de aluminio limpias
- Vasos plásticos tales como contenedores de yogurt y queso cottage
- Papeles de envoltorio no metálicos
- Cajas de leche y jugo

Ontario-Montclair School District Embraces Innovative Recycling Program

Since the beginning of the school year, the Ontario-Montclair School District has adopted a recycling program designed to recycle at least 60% of the waste they generate. Twenty schools and five non-school facilities in Ontario are participating in this environmentally beneficial program.

Before this new program began, most of the schools had basic recycling including paper, cans and bottles. Other recyclables such as Styrofoam lunch trays and cardboard milk cartons were being sent to the landfill. City staff found outlets to recycle both of these commodities.

District executives, principals, teachers, students and custodial staff are all playing roles in the District's efforts to increase recycling and save resources, while reducing waste disposal costs. The Ontario-Montclair School District serves as a model for other school recycling and sustainability programs in the region.



El Distrito Escolar de Ontario-Montclair adopta programas innovadores de reciclaje

Desde el comienzo del año escolar, el Distrito Escolar de Ontario-Montclair ha adoptado un programa de reciclaje diseñado para reciclar al menos un 60% de los desechos que generan. Veinte escuelas y cinco instalaciones no-escolares en Ontario participan en este programa altamente benéfico para el ambiente.

Antes de que este programa comenzara, la mayoría de las escuelas poseía programas básicos de reciclaje que incluían papeles, latas y botellas. Otros reciclables tales como bandejas de almuerzo de poliestireno y cajas de leche de cartón seguían siendo enviados a rellenos sanitarios. La administración de la ciudad encontró lugares en los cuales reciclar estos productos.

Ejecutivos del distrito, directores, profesores, estudiantes y personal de limpieza están involucrados en los esfuerzos del Distrito por mejorar el reciclaje y ayudar a ahorrar recursos, a la vez que disminuyen los costos de remoción de basura. El Distrito Escolar de Ontario-Montclair representa un modelo para programas de reciclaje y sostenibilidad de otras escuelas en la región.

CITY OFFICIALS

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Mayor pro Tem

Alan D. Wapner
Sheila Mautz
Jim W. Bowman
Council Members

Chris Hughes
City Manager

Mohamed El-Amamy
Utilities General Manager

UPCOMING EVENTS

Mulch Give-Away:

Saturday, March 5, 2011
1400 South Cucamonga Avenue
(West side of street, between Belmont
and Francis Streets)
8:00 am to 2:00 pm

Ontario Residents only · Bring
your own shovel and container.

**Backyard Composting
Workshop:**

Saturday, March 26, 2011
Owitt Family Community Library
215 East "D" Street
10:00 am to 11:30 am



printed on recycled paper

Unemployed? Get Help Now

With CareerTransitions*

1. Discover My Interests

Interest assessment tool takes about 20 minutes that will help you to pick a career.

2. Explore Careers

Identifies and describes careers based on your interests.

3. Prepare Resume

Step by step instruction on how to create your own resume and cover letter.

4. Improve My Chances

Information on networking, applying, interviewing and negotiating.

5. Find Jobs

Current list of jobs from your area and around the country.

* *CareerTransitions* can be found on the library's public internet computers and online at www.ci.ontario.ca.us/library (just click on the online resources button). This program is made possible by a LSTA grant from the California State Library and the Inland Library System.



Landscape Irrigation

As we head into the fall and winter seasons, adjust your landscape irrigation timer to avoid wasting water while keeping plants healthy. To create your own custom watering schedule, go to www.bewaterwise.com and use the free Watering Calculator.



inside...

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Youth Snow Day



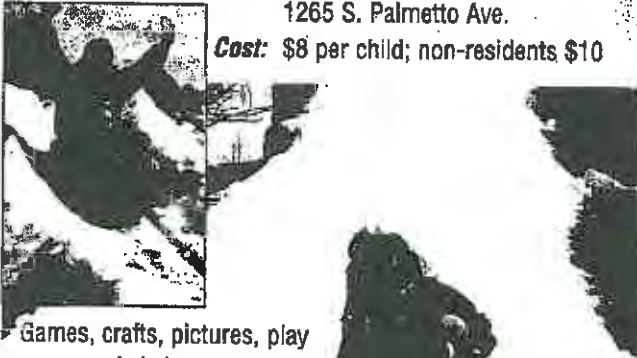
Where: Westwind Park
2425 Riverside Drive

Time: 10:00am - 1:00pm

For: Children ages 9 years and younger

Registration: At the Armstrong Center
1265 S. Palmetto Ave.

Cost: \$8 per child; non-residents \$10



Games, crafts, pictures, play areas, and sled runs with plenty of the white stuff! Highly recommended are clothes that will keep your child warm and dry. Play areas are for children 9 years and younger ONLY. For more information, please call Ontario Recreation and Community Services at (909) 395-2020.

24th Annual Tot Olympics

Where: De Anza Community & Teen Center
(Soccer Fields), 1405 S. Fern Ave.

Times: Check-in 9:45am; Event 10:00am

For: Tots ages 3 to 6 years as of March 5th

Registration: Begins Tue, December 7th at the
Armstrong Center
1265 S. Palmetto Ave. or
De Anza Community & Teen Center

Cost: \$15 per child; non-residents \$19

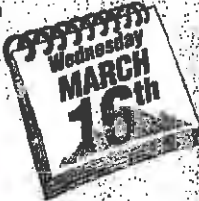
All participants are winners! Tot-sized track and field events, commemorative T-shirt, awards, refreshments and memory picture frame. Rain date: March 19th.

For more information, please call Ontario Recreation and Community Services at (909) 395-2020.



7th Annual Teen College and Career Fair

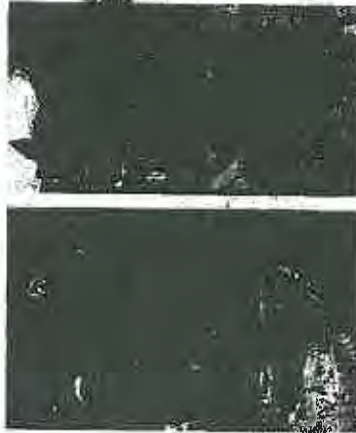
FREE



Where: De Anza Community & Teen Center
1405 S. Fern Ave.

Time: 6:00pm - 8:00pm

For: Teens ages 16 - 19



This event will give teens the chance to meet with local businesses that employ youth in their organizations. Local college representatives will be on hand to offer information regarding educational opportunities. Teens will be able to research everything from part time summer jobs to future career opportunities. For more information, please call De Anza Community & Teen Center at (909) 395-2030.

Our Automatic Water Softener Removal Rebate is a WIN-WIN!

It puts more money in your pocket (up to \$2,000) and protects recycled water for our future.

FACT

Automatic water softeners leave quality water that is not recycled with. Time is needed to replace our community's single water source for the future.

TAKE ACTION

Remove your water softener with the rebate and get up to \$2,000 plus free disconnection and removal. Visit www.ieua.org for details.

Brought to you by the Inland Empire Utilities Agency in partnership with your local water provider

Visit www.ieua.org/watersoftener.html or call (909) 993-1550 today to get your rebate.



Residents of the following cities qualify:
•Chino •Chino Hills •Fontana •Hemlock •Ontario •Riverside •Cucamonga •Upland
•Cucamonga Valley Water District •Monte Vista Water District





CITY OF ONTARIO

MEMORANDUM

TO: Chris Hughes, City Manager

FROM: Mohamed El-Amamy, Utilities General Manager *M.S.*

DATE: October 26, 2010

SUBJECT: REQUEST FOR APPROVAL TO PLACE MESSAGE ON UTILITY
BILLS

The message below will appear on November utility bills:

As we head into fall and winter, adjust your landscape irrigation timer to avoid wasting water while keeping plants healthy. To create your own custom watering schedule, go to www.bewaterwise.com and use the free Watering Calculator.

/ah

H:\MUA - Administration\2010\Utility Bill Approval Mag.doc
10/26/10 - 10:19

Approved by:


Mohamed El-Amamy, Utilities General Manager

10/26/10
Date

Approved by:


Chris Hughes, City Manager

11/1/10
Date

**IEUA Member Agency Public Outreach &
Educational Materials**

FY 2010-2011

Monte Vista Water District





Required Year-Round Water Use Efficiency "Best Practices"

- ◆ **Set automatic irrigation timers to water only between 8 p.m. and 8 a.m., no more than 15 minutes per cycle**
Exceptions: hand-watering, drip irrigation, "smart" controllers
- ◆ **Adjust watering and fix broken sprinkler heads to avoid excessive runoff**
- ◆ **Turn off irrigation system during rain**
- ◆ **Repair leaks within seven (7) days of discovery**
- ◆ **Wash vehicles with shutoff nozzle or at a car wash that recycles**
- ◆ **No hosing or washing paved surfaces**
Exception: Health and safety requirements
- ◆ **Restaurants provide water service only on request**
- ◆ **Hotels provide option to not launder linen daily**

See water being wasted?
Call our "Watch the Water" Notification Line:
(909) 267-2130

For information on how you can use water more efficiently, visit www.mvwd.org

Customers Applauded for Reducing Water Use by 15%

Year- Round Water Use Efficiency "Best Practices" Now in Effect

Even with last winter's above-normal precipitation, California still faces significant water supply challenges. Reservoir levels statewide have re-bounded; however, imported water deliveries from northern California continue to be reduced to protect fish species in the Sacramento-San Joaquin River Delta region. Additionally, a new state law requires a 20 percent reduction in urban water use by 2020.



In 2009, Monte Vista Water District responded to these water supply challenges by requiring customers to reduce their water consumption 10 to 15 percent through common sense practices to avoid waste. Over the next year, District customers responded by reducing their water use by over 15 percent. The District greatly appreciates the efforts of its customers!

In order to maintain this percentage reduction in water use and to work toward the achievement of the 20 percent reduction by 2020, the District's Board of Directors recently adopted Ordinance 33, requiring year-round water use efficiency "best practices."

"These best practices are almost identical to the Stage II requirements enacted in April 2009, so our customers shouldn't notice any difference in what we're asking them to do," said Board President Sandra Rose. "By adopting this new ordinance, the District recognizes that we need to permanently change how we use water, similar to shifting from a short-term diet to a complete change in lifestyle."

Ordinance 33 also enables the Board of Directors to declare water supply shortages under certain conditions relating to the severity of the shortage. These conditions may include imported water supply reductions, extended drought, equipment failure, or natural disasters.

- ◆ **Significant Water Supply Shortage:** 10-25 percent reduction required
- ◆ **Critical Water Supply Shortage:** 25-40 percent reduction required
- ◆ **Emergency Water Supply Shortage:** 40 percent or higher reduction required

Water use restrictions intensify according to the severity of the shortage condition. Penalties may be levied for non-compliance of the provisions of Ordinance 33.

To view the provisions of Ordinance 33, visit www.mvwd.org.

INSIDE:

- ◆ **2010 Poster Contest Winners**
- ◆ **District News**
- ◆ **California Friendly® Gardening Class**



"Water is Life" Poster Contest Winners Announced

Grades K- 3 Division: FIRST PLACE

Rebecca Schober, Grade 3
Lyle Briggs Fundamental School
Chino Valley USD
Teacher: Steve Smith

SECOND PLACE

Susana Ferris, Grade 3
Lyle Briggs Fundamental School
Chino Valley USD
Teacher: Steve Smith

THIRD PLACE

Vanessa Sagredo, Grade 2
Howard Elementary School
Ontario Montclair School District
Teacher: Peggy DeShan

Grades 4 - 6 Division FIRST PLACE

Cassidy Sapien
Our Lady of Lourdes Catholic School
Montclair
Teacher: Kelly Burt

SECOND PLACE

Yessica Gonzalez, Grade 4
Monte Vista Elementary School
Ontario Montclair School District
Teacher: Diane Werdmuller

THIRD PLACE

*Anjaly Cruz, Grade 4
Briggs Fundamental School
Chino Valley USD
Teacher: Mrs. Martello

Grades 7-12 Division FIRST PLACE

Kendall Langrell, Grade 8

SECOND PLACE

*Victoria Contreras, Grade 8

THIRD PLACE

Kylie Gutierrez, Grade 8

Briggs Fundamental School
Chino Valley USD

Teacher: Jackie Heacock

*Winners in Metropolitan Water District's regional art contest

Monte Vista Water District announced the winners of its annual "Water is Life" art poster contest in May. The contest was open to students enrolled in grades K-12 in schools within the District's service area, who were requested to create an art poster depicting various water uses or water conservation topics. The District received 185 entries representing 11 classrooms in six schools. Contest winners received gift cards to a book store and an awards certificate. Teachers of contest winners received gift cards to a school supply store. Members of the Board of Directors, Sandra Rose, president, and Tony Lopez, director/auditor, presented the awards in the winners' classrooms and at end-of-the-year awards events.

Winning posters were submitted to Metropolitan Water District of Southern California, who conducts a regional art poster contest in which 36 winning posters are selected among several hundred entries from water agencies throughout southern California. Two of the District's posters were selected with winning artists Anjaly Cruz and Victoria Contreras. These students will be recognized at a special event in early December at Metropolitan Water District.



Victoria Contreras, 8th Grade



Anjaly Cruz, 4th Grade

Save Thousands of Gallons per Year!

Residential Rebates

Rotating Nozzles \$5 Rebate per nozzle (minimum 25)

Smart Irrigation Controllers \$125 Rebate (less than 1 acre)

..... \$40 Rebate per station more than 1 acre

High Efficiency Clothes Washer \$135 Rebate per washer

..... Water Factor of 4.0 or less

For more information, call (888) 376-3314

Visit www.socalwatersmart.com to apply online.



Business Customers

Visit www.mwdsaveabuck.com for rebate information

FREE Landscape Irrigation Evaluation

Conducted by certified irrigation auditors

Call (909) 267-3224 to schedule an evaluation.

New Budget-Based Tiered Rate Structure for Single-Family Residential Customers

4

Beginning in August, the District implemented a budget-based tiered rate structure for individually metered single-family residential customers. A budget-based tiered rate structure allocates water based on the needs of each customer and provides pricing incentives to use water more efficiently.

- Tier 1 Indoor Water Use: Based on the water needs of 4 people per household
Tier 2 Outdoor Water Use: Based on water needs of a property's landscape; adjusted seasonally
Tier 3 Inefficient Use: Sum of 50% of Tier 1 and 50% of Tier 2
Tier 4 Excessive Use: All usage above Tier 3

Are you exceeding your water budget? Consider these options to avoid Tier 3 and Tier 4 rates:

- ◆ **Use Less Water:** take shorter showers, use a broom instead of a hose to clean paved areas; adjust your outdoor watering; fix leaks
- ◆ **Apply for Rebates:** clothes washers, "smart" irrigation controllers, rotating nozzles (See page 3.)
- ◆ **Schedule a Free Irrigation System Survey:** Call (909) 267-2116 for information.
- ◆ **Apply for a variance if:**
 - More than 4 people in the household
 - Child/adult/elder care facility in the household
 - Medical needs
 - Irrigated landscape area larger than estimated
 - Establishing new or rehabilitated landscaping
 - Livestock or large animals
 - Refilling pool
 - Large leaks

To apply for a variance, call Customer Service at (909) 624-0035.

For information on water use efficiency tips, visit www.mvwd.org

The "new" www.mvwd.org!

Our entire website has a "new" look! View colorful photos & attractive graphics. Experience the ease of navigating through the site to find a wealth of information designed to enhance customer service and highlight District services and activities. Check it out at www.mvwd.org.

Local Hazard Mitigation Plan Update

Monte Vista Water District is updating its Local Hazard Mitigation Plan. This plan, developed in 2005 according to federal law, identifies natural hazards that affect the District, lists critical facilities, assesses the vulnerability of its assets and develops a mitigation strategy. The goal of mitigation is to reduce or eliminate long-term risk to life and property from hazardous events.

In order to develop a more comprehensive approach to reducing the effects of natural hazards, the District would like to extend an opportunity to its customers and the public to comment on the plan during the updating process. To view the plan and submit comments, please visit the Monte Vista Water District's website at www.mvwd.org or call (909) 624-0035, ext. 111.



FREE Gardening Glass

Topic: *California Friendly® Plants*

Saturday, November 6 8:30 a.m. – 12 noon

Location: Chino Basin Water Conservation District
4594 San Bernardino Street, Montclair

Continental breakfast. Door prizes. Resource materials.

FREE Water Wise Gardening for the Inland Empire CD.

Limited to 30 attendees. RSVP Required!

Call (909) 267-2165 or mail/FAX form below.

Experienced landscape professional will discuss:

- ◆ Benefits of using California Friendly® plants
- ◆ Plant selection tips and guidelines
- ◆ Caring of shrubs, groundcover, trees and multi-category plants

California Friendly® Gardening Class: *Plants* Saturday, November 6, 2010

Please reserve _____ places for:

Name(s): _____ Phone: _____

Address: _____ City: _____

e-mail: _____

**Mail to: Monte Vista Water District, 10575 Central Ave., Montclair, CA 91763 or
FAX to (909) 624-0037 or CALL (909) 267-2165**



Monkey Flower

2010 Regional Landscape & Water Conservation Fair

Saturday, October 23, 2010

9 a.m. – 1 p.m.

Chino Basin Water Conservation District
4594 San Bernardino Street, Montclair

- | | |
|--|---|
| ◆ Water Wise Plant Sale | ◆ Landscape & Irrigation Vendors |
| ◆ Pumpkin Patch | ◆ Water Conservation Demonstration Garden |
| ◆ Raffle for plants, irrigation controllers, gardening books, more | ◆ \$2 pancake breakfast |
| ◆ Petting Zoo, Giant Slide, & a show | ◆ FREE buckets (one per family) |
| | ◆ Workshops, education materials, tours |

OUR MISSION:

"To provide high quality water service while ensuring fiscal responsibility, ethical conduct and environmental stewardship."

Monte Vista Water District

10575 Central Avenue
 P.O. Box 71
 Montclair, CA 91763
 (909) 624-0035
 www.mvwd.org

BUSINESS HOURS

Monday through Thursday
 7:30 a.m. - 5:30 p.m.
 Friday 8 a.m. - 5 p.m.

Regular meetings of the Board of Directors are held on the second and fourth Wednesdays of each month at 7 p.m. at the District. The public is invited to attend. A time for public comment/open forum is included as part of each meeting's agenda.

Monte Vista Water District Board of Directors

Sandra S. Rose, President
 Maynard Lenhart, Vice President
 Tony Lopez, Director/Auditor
 Philip L. Erwin, Director
 G. Michael Milhiser, Director



Mark N. Kinsey, General Manager
 Raymond L. Harton, Manager of Finance and Administration
 Van M. Jew, P.E., Manager of Engineering, Maintenance and Operations
 Bruce Lance, Legal Counsel

Waterline Editor

Mary Ann Melleby
 Public Affairs Director

Employee Awards

Justin Scott-Coe, Public Affairs Representative, was named the "2009 Monte Vista Water District Employee of the Year," at the District's annual employee awards event held earlier this year.



Justin Scott-Coe
 2009 Employee of the Year

Scott-Coe has been employed at the District since January 2007. His responsibilities include creating and implementing water conservation and water education programs, customer communications, community outreach and special administrative projects most recently related to the recycled water program, development of budget-based tiered rates, and a landscaping design project for District facilities.

Seven employees were recognized for a collective 85 years of service:

- Ray Welborn**, facilities maintenance technician, 30 years
- Todd Paxson**, utility crew leader, 5 years
- Jeff Malloy**, water systems operator III, 20 years
- James Trott**, water systems operator III, 5 years
- Kathy Standridge**, projects assistant, engineering department, 10 years
- Tony Vega**, utility service worker II, 5 years
- Gonzalo Pantoja**, water systems operator II, 10 years

District Recognized for "Excellence in Financial Reporting"

Monte Vista Water District has been awarded the "Certificate of Achievement for Excellence in Financial Reporting" for its comprehensive annual financial report for 2008-2009. The award was granted by the Government Finance Officers Association of the United States and Canada (GFOA), a Chicago-based nonprofit professional association serving approximately 17,500 government finance professionals.

The "Certificate of Achievement" is the highest form of recognition in the area of governmental accounting and financial reporting, according to Stephen Gauthier, director of GFOA. "Attaining this recognition represents a significant accomplishment by Monte Vista Water District and its management," he commented in a press release. Recognition for the 2008-2009 financial report is the

District's sixth consecutive award from GFOA.

The District's comprehensive annual financial report was judged by an impartial panel to meet the high standards of the program, including demonstrating "a constructive spirit of full disclosure to clearly communicate its financial story and to motivate potential users and user groups to read the report," according to GFOA.

"Monte Vista Water District's Board of Directors is very proud of its management and the department of finance and administration for attaining this honor," said Tony Lopez, board member and auditor. "This recognition is a clear demonstration of the District's continuing commitment to achieve and maintain the highest standards of excellence in financial management and reporting," Lopez stated.

Waterline

Monte Vista Water District
Winter 2011

COMING SOON!
FREE Sprinkler Nozzles!*



Receive up to 25 Toro®
Precision™ Series Spray Nozzles

Save up to 1,300 gallons
of water per nozzle per year!

Easy to retrofit on most pop-up
sprinkler heads

Only available at www.FreeSprinklerNozzles.com after March 1, 2011 until May 31, 2011 or until supplies are depleted. For single family residential customers only.

*Contingent on regional program funding and final approval.

INSIDE:

- 💧 Water Rates Update
- 💧 District News
- 💧 Water Wise Landscape Class

Adjust Winter Watering!

Tier 2 Water: More in the Summer - Less in the Winter

The District's new budget-based tiered rates for single-family residential customers provides water at the "Tier 2" price based on outdoor watering needs throughout the year. The amount of Tier 2 water provided during the winter will be less than the amount of Tier 2 water provided during the summer.

Customers are advised to adjust outdoor irrigation times in the winter months (January through April) to avoid unnecessary higher water charges. Visit our website to obtain a yearly watering schedule at www.mvwd.org/watchthewater or call our Customer Service Department at (909) 624-0035, Ext. 0. The Water Conservation section on the website provides many other suggestions for using water more efficiently.

Watering Schedule: January – April

		Winter					
SUN	MON	TUE	WED	THU	FRI	SAT	
-	-	5 a.m. 6 mins	-	5 a.m. 6 mins	-	-	

FREE

Water Wise Landscaping Class

Topic: Preparation & Design

Saturday, March 5, 2011

9 a.m. – 12:30 p.m.



Chino Basin Water Conservation District
4594 San Bernardino Street, Montclair
See Page 5 for more information.



Fix a Leak Week is March 14-20, 2011

Sponsored by EPA's WaterSense® program, Fix a Leak Week encourages Americans to help put a stop to the more than 1 trillion gallons of water wasted from household leaks each year.

Leaks can account for more than 10,000 gallons of water in an average home every year—enough water to wash nearly 10 months' worth of laundry. As a WaterSense partner, Monte Vista Water District is encouraging its customers to find and fix leaks to save water in the communities we serve.

Here's what you can do — **CHECK, TWIST & REPLACE!**

- ◆ **CHECK for leaks.** Look for dripping faucets, showerheads, and fixture connections. Also check for toilets with silent leaks by putting a few drops of food coloring into the tank and seeing if it appears in the bowl before you flush. Don't forget to check outdoor irrigation systems and spigots.
- ◆ **TWIST** and tighten pipe connections. To save more water without a noticeable difference in flow, twist on a WaterSense-labeled faucet aerator.
- ◆ **REPLACE** the fixture if necessary. Look for WaterSense labeled models, which are independently tested and certified to use 20 percent less water and perform as well as or better than standard models.

In many cases, fixture replacement parts pay for themselves quickly and can be installed by handy do-it-yourselfers, or contact a plumbing professional. WaterSense also partners with certified landscape professionals who can check irrigation systems for leaks. Visit www.epa.gov/watersense to find WaterSense labeled products and services. You can also contact the Chino Basin Water Conservation District to request a free evaluation of your irrigation system at (909) 626-2711.

Monte Vista Water District is a Promotional Partner of WaterSense, a partnership program sponsored by the U.S. Environmental Protection Agency that seeks to protect the future of our nation's water supply by offering people a simple way to use less water with water-efficient products, new homes, and services.

For more information on WaterSense and Fix a Leak Week, visit www.epa.gov/watersense



On January 27, 2010, the Monte Vista Water District Board of Directors adopted a three-year rate schedule (April 1, 2010 - December 31, 2012) for water service charges. This rate schedule incorporates a new budget-based tiered rate structure for single-family residential customers. Multi-family, commercial, industrial and institutional, agricultural, nursery and dedicated landscape-metered customers remain on a flat rate. All customers are billed the Readiness-to-Serve (RTS)** charge based on the meter size.

Due to updating of computer software to accommodate the new tiered rate structure, the rate increase scheduled for April 1, 2010 was delayed until August 2010. According to the adopted rate schedule, the next scheduled rate adjustment, reflecting an average 10 percent increase over 2010 rates, became effective January 1, 2011.

These scheduled rate adjustments are necessary to meet 2011 projected fixed and variable operating costs and to ensure that the District is able to continue to meet its long-term commitment of providing its customers with a safe, reliable and efficient water system and funding capital improvement and replacement projects. Additional factors contributing to the need to adjust rates are the increasing costs of imported water supply due to drought and environmental issues, new legislation mandating a 20 percent reduction in water use by 2020 and maintaining adequate financial reserves.

2011 Water Service Charges*

Single Family Residential	January 1, 2011 Rates
Tier 1 Indoor	\$1.549 per Unit
Tier 2 Outdoor	\$1.769 per Unit
Tier 3 Inefficient Use	\$2.352 per Unit
Tier 4 Excessive Use	\$3.602 per Unit
Multi-family, Commercial, Agriculture, Landscape	
Domestic	\$1.689 per Unit
Recycled	\$1.267 per Unit

* The Water Service charge covers the cost of obtaining water supply, treatment, energy and associated costs as well as system and facility improvement and replacement projects.

2011 Bi-monthly Readiness-to-Serve Charge (RTS)**

Meter Size	January 1, 2011 Rates
¾ inch or smaller	\$24.42
1 inch	\$39.08

**The RTS charge covers a portion of the fixed costs of operating the District, including maintenance of the water system and facilities, customer service and administration.

For rates on larger-sized meters and information on the tiered rate structure, contact Customer Service at (909) 624, 0035, Ext. 0 or access the District's website at www.mvwd.org under the Customer Service section. The Water Conservation section on our website provides helpful suggestions for efficient water use.

Lifeline Rate District customers who are retired and 55 years of age or above, or are disabled, with a verified annual total household income of \$30,500 or less, are eligible to receive 9 units of water (6,732 gallons) as part of the bi-monthly RTS charge. For 2011, the value of 9 units of water at the Tier 1 rate of \$1.549 per unit is \$13.94.

Poster Contest Winners Receive Regional Recognition

4

Two winners in Monte Vista Water District's 2010 "Water is Life" poster contest were selected as winners in a regional contest sponsored by Metropolitan Water District of Southern California (MWD). Art posters created by Anjaly Cruz, currently a fifth grader at Briggs Fundamental School in Chino, and by Victoria Contreras, a former eighth grade student from Briggs Fundamental School, now a freshman at Don Lugo High School in Chino, were among 36 posters selected from 200 entries submitted by local water agencies from six southern California counties. A special event honoring these students was held on December 9th at MWD's headquarters in Los Angeles that included an exhibit of the framed posters, a recognition ceremony and the distribution of the 2011 "Water is Life" calendar, featuring the art work of the 36 winning posters.

Victoria Contreras (left) and Anjaly Cruz (right) pose with their award-winning posters at the art exhibit/recognition event at Metropolitan Water District



Customer Alert: Water Line Insurance

The District has been made aware of a recent mailing to property owners in San Bernardino County from Home Emergency Insurance Solutions, an independent company promoting the purchase of insurance for maintenance and repair of water lines.

Monte Vista Water District is not affiliated with Home Emergency Insurance Solutions, does not make endorsements for these types of services, and does not require customers to obtain this insurance.

Responsibility for Water Line Maintenance & Repairs

Monte Vista Water District: Maintenance and repair of water service lines up to and including the water meter.

Property Owner: Maintenance and repair of water lines from the water meter into the property and structures.

If a customer discovers a water leak and wants clarification on responsibility to address the repair, the District should be notified as soon as possible. A District staff member will come to the location to determine if the leak is the responsibility of the District or the property owner. All leaks on the property are required to be repaired within seven (7) days of discovery.

For additional information, contact Customer Service at (909) 624-0035, Ext. 0.



NOW AVAILABLE!

Our online bill payment program is easy to use and secure.

Sign up NOW at www.mvwd.org to pay your water bill online!



FREE Water Wise Landscaping Class: Preparation & Design

FREE Water Wise Landscaping Class: Preparation & Design

Saturday, March 5, 2011
9:00 a.m. – 12:30 p.m.

Chino Basin Water
Conservation District

4594 San Bernardino Street, Montclair
(between Monte Vista and Ramona
Avenues)



Experienced landscape professionals will discuss:

- ◆ Benefits of a water wise landscape
- ◆ Site Features
- ◆ Needs Analysis
- ◆ Design Elements
- ◆ Plant Selection
- ◆ Plot Planning
- ◆ Microclimates
- ◆ Hardscapes
- ◆ Path Designs
- ◆ Lawn Alternatives
- ◆ Yard Art

Complimentary continental breakfast. Door prizes. Resource materials.

FREE CD: Water Wise Gardening for the Inland Empire

Limited to 30 attendees. RSVP required.

Register online at www.mvwd.org/gardenclass.cfm or call (909) 267-2165 or FAX the form below to (909) 624-0037.

Water Wise Landscaping Class: *Preparation & Design* Saturday, March 5, 2011

Please reserve _____ places for:

Name(s): _____ Phone: _____

Address: _____ City: _____

e-mail: _____

Mail to: Monte Vista Water District, 10575 Central Ave., Montclair, CA 91763 or
FAX to (909) 624-0037 or CALL (909) 267-2165 or
register online at www.mvwd.org/gardenclass.cfm

OUR MISSION:

"To provide high quality water service while ensuring fiscal responsibility, ethical conduct and environmental stewardship."

Monte Vista Water District

10575 Central Avenue
P.O. Box 71
Montclair, CA 91763
(909) 624-0035
www.mvwd.org

BUSINESS HOURS

Monday through Thursday
7:30 a.m. - 5:30 p.m.
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Board of Directors**

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Maynard Lenhart, Vice President
Tony Lopez, Director/Auditor
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G. Michael Milhiser, Director



Mark N. Kinsey, General Manager
Raymond L. Harton, Manager of
Finance and Administration
Van M. Jew, P.E., Manager of
Engineering, Maintenance and
Operations
Bruce Lance, Legal Counsel

Waterline Editor

Mary Ann Melleby
Public Affairs Director

Board Members Take Oath of Office; Elect Officers

The oath of office was administered to members of the Board of Directors, Philip Erwin and G. Michael Milhiser, by the District's General Manager on December 8, 2010. Erwin begins his second four-year term of office. Milhiser, who also begins a four-year term of office, was appointed in 2007 to fill a Board vacancy.

The Board of Directors also elected officers to serve for the next two years. Re-elected to their positions were Sandra Rose, president; Maynard Lenhart, vice president; and Tony Lopez, auditor.

**District Purchases 300 Shares of San Antonio Water
Company Stock**

Monte Vista Water District purchased 300 shares of stock in the Upland-based San Antonio Water Company (SAWCo) from Vulcan Materials Company's Western Division at a cost of \$30,000 per share or \$9 million.

The stock purchase will provide the District with an additional 780 acre-feet of local water supply annually to supplement the District's water supply portfolio, which currently includes locally produced groundwater, imported water from Northern California and recycled water. The SAWCo water purchase equates to 250 million gallons of water, enough to meet the needs of 1,600 families annually.

"The water supply purchased from SAWCo is at a significantly less cost than the District's other supply sources and will also contribute to the reduction of the District's reliance on imported water supplies purchased from Metropolitan Water District of Southern California," said Mark Kinsey, General Manager. "This source is becoming less reliable due to environmental constraints in the Sacramento-San Joaquin Delta region, and therefore is increasing in cost significantly," he added.

"Our obligation to our customers is to secure the lowest cost water supply sources as possible," said Sandra Rose, President of the Board of Directors. "Our efforts to diversify our water supply sources are reaping benefits now and will continue to do so in the future. The purchase of the SAWCo shares represents a continuation of this strategy," she added.

Waterline

Monte Vista Water District
Summer 2011

Free Water Wise Gardening Class

SAVE THE DATE



Backyard Composting & Free Mulch Giveaway

Saturday, Nov. 5
9 a.m. - 1 p.m.

Chino Basin Water Conservation District
4594 San Bernardino Street, Montclair

Continental breakfast will be provided. Door prizes, raffle gifts, resource materials, and *free mulch!*

Receive assistance on participating in District rebates and incentive programs, including free sprinkler nozzles and toilet direct installations.

Limited to 30 attendees—Reservation Required!

Online reservation:

www.mvwd.org/gardenclass.cfm

(select "Fall Workshop")

Or call (909) 267-2116

Visit www.mvwd.org/calendar.cfm for other upcoming garden classes and events.

INSIDE:

- ◆ "Watch the Water" Updates
- ◆ 2011 Poster Contest Winners
- ◆ Customer Service Corner
- ◆ District News

Water Supply Conditions Improve

However ...

Using water as efficiently as possible is the best way to make sure that a reliable water supply is always available - in times of drought and in times of plenty!

In late March, Governor Jerry Brown officially declared that California's three-year drought had ended. An unusually wet winter has caused the state's nearly-depleted reservoirs to rebound significantly.

This is good news for Monte Vista Water District. We rely on a portion of our water supply from the State Water Project that originates in northern California. The State Water Project currently plans to deliver 80 percent of its full allotment this year. In 2008, the project delivered only 35 percent of the amount requested by California water agencies.



Current statewide snowpack levels are 144% of normal for this time of year

Drought is a regular, periodic feature of our state's climate. A wet year offers a temporary reprieve, but dry years eventually return. Another variable that affects California's water supply is that the Sacramento-San Joaquin Delta, a key hub of the state's water system, is experiencing an ecosystem crisis. Fish species are crashing, and pollution, invading species, and a fragile levee system are constant threats. State water leaders and legislators continue to search for solutions to address this critical situation.

We can meet our water resource challenges, but the future becomes even brighter if Californians continue to use water carefully and efficiently and embrace that practice as part of their daily lives. In order to not waste our precious water resources, the District requires its customers to follow simple "best practices" for wise and efficient water use year-round. The District gives high marks to our customers who, over the past three years of very dry conditions, have cut back their water usage by over 20 percent!

Now that the drought is over, our message continues to be "Watch the Water!" Please continue to use water wisely, carefully and efficiently. The next drought could be just around the corner!



High Efficiency Toilet Installation Program

"Hurry while supplies last!"

Monte Vista Water District is offering a high efficiency toilet installation program for a nominal fee per toilet: **\$60 for single-family homes and condominiums, \$40 for apartments.** You can save as much as **14,000 gallons per year** for each device.



A value of over \$300 per toilet installed!

This program only replaces toilets that are 3.5 gallons per flush (GPF) or more.

To participate or for more information, please call Bottom Line Utility Solutions at (800) 597-2835 or Monte Vista Water District at (909) 267-2116.

How to verify if your toilet qualifies for this program:

<p>Look at the <u>space on your toilet bowl between the seat and the tank</u> for a <u>stamp</u> that indicates your GPF.</p> 	<p>Look at the <u>design on the lower part of your toilet</u>. The shape illustrated means toilet <u>doesn't</u> qualify.</p> 	<p>Look <u>under the tank lid/side of tank</u> for a <u>stamp</u> which shows the <u>manufacturing date</u> (must be prior to 1992) <u>OR</u> the GPF.</p> 
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Adjust Those Sprinklers!

One of the best ways to save water during the summer is to make sure your irrigation system is working correctly. Now is the time to do a "walk-through" by running your system and checking for broken, missing, or misaligned sprinkler heads.

Also, make sure you're not overwatering and causing unnecessary runoff. Adjust your timing to use 2-3 cycles with at least 30 minutes in between to allow the water to enter the soil. A suggested watering schedule for the summer months is provided here.

Summer						
SUN	MON	TUE	WED	THU	FRI	SAT
-	-	5 a.m. 7 mins 6 a.m. 7 mins	-	5 a.m. 7 mins 6 a.m. 7 mins	-	5 a.m. 7 mins 6 a.m. 7 mins

For more tips on how to make your irrigation system more efficient, visit the Water Conservation section of the District's website, www.mvwd.org.

Monte Vista Water District announced the winners of its annual "Water is Life" art poster contest in May. Students in grades K-12 in schools within the District's service area were invited to create an art poster depicting various water uses, ways to use water more efficiently, or water conservation topics. The District received 341 entries representing 15 classrooms in eight schools.

Contest winners received gift cards to a book store and an awards certificate. Teachers of contest winners received gift cards to a school supply store. Members of the Board of Directors, Sandra Rose, president, Tony Lopez, director/auditor, and Philip Erwin, director, presented the awards in the winners' classrooms and at school awards events.

Winning posters were submitted to Metropolitan Water District of Southern California, who is conducting a regional art poster contest in which 36 winning posters will be selected out of several hundred entries from water agencies throughout southern California. Winners will be announced in early fall and recognized at a special event in early December.



Breanne Iannetta, Grade 1



Zachary Araneta, Grade 4

To view a slideshow of all of this year's winning posters, visit the District's website, www.mvwd.org, and follow the "For Teachers" and "Poster Contest" menu links.

Grades K-3 Division

First Place

Breanne Iannetta, Grade 1
Our Lady of Lourdes School
San Bernardino Diocese
Teacher: Ms. Soto

Second Place

Paulina Rodriguez, Grade 1
Our Lady of Lourdes School
San Bernardino Diocese
Teacher: Ms. Soto

Third Place

Emily Wang, Kindergarten
Howard Elementary School
Ontario Montclair School District
Teacher: Ms. Contat

Grades 4-6 Division

First Place

Helen Truong, Grade 4
Monte Vista Elementary School
Ontario Montclair School District
Teacher: Ms. Werdmuller

Second Place

Zachary Araneta, Grade 4
Our Lady of Lourdes School
San Bernardino Diocese
Teacher: Ms. Burt

Third Place

Samantha Gomez, Grade 5
Our Lady of Lourdes School
San Bernardino Diocese
Teacher: Ms. Cruz

Grades 7-12 Division

First Place

Greg Leon, Grade 8
Lyle Briggs Fundamental School
Chino Valley Unified School District
Teacher: Ms. Heacock

Second Place

Alex Rodriguez, Grade 8
Lyle Briggs Fundamental School
Chino Valley Unified School District
Teacher: Ms. Heacock

Third Place

Melissa Legg, Grade 8
Lyle Briggs Fundamental School
Chino Valley Unified School District
Teacher: Ms. Heacock



Our online bill payment program is easy to use and secure.

NOW AVAILABLE!

Sign up NOW at www.mvwd.org to pay your water bill online!

RED TAGS Going Away

In May, the Board of Directors approved a change in how the District provides final notification of water bill nonpayment.

Currently, customers have 30 days to submit payment from the time their bill is mailed to them. If a customer does not make payment within 30 days, a Past Due Reminder is mailed to the customer with a due date approximately 45 days from the original date of the bill. If, after this period, a customer has yet to make payment, a red tag is placed on the door giving the customer two final business days to make their payment to avoid an interruption in service.

Beginning August 1st, the District will no longer deliver red tags as notification of a delinquent balance prior to shutoff. As a replacement, a final Shutoff Notice will be mailed to customers with a delinquent balance indicating an imminent shutoff if payment is not received by the date indicated in the notice. This procedural change allows for staff to streamline resources while providing better overall customer service.



No more red tags after August 1st

District Adjusts Connection, Miscellaneous Fees

On May 25th, the District Board of Directors held a public hearing and adopted new connection fees and miscellaneous fees, charges, and deposits.

Connection fees are charged to new customers when they first establish a connection to the District's water distribution system. The fees represent a "buy-in" to the District's system, which has been developed and maintained through the rates paid by the District's past and current customers. The District's connection fees had not been adjusted since 2003 and no longer reflected the cost of the actual benefit provided.

The District's miscellaneous fees, charges, and deposits were likewise outdated and required adjustments to accurately reflect the cost of services provided by the District. Examples of these adjustments include new deposits for fire and nursery service, a new same day connection service charge, new fees for reinstalling meters and broken curb stops associated with water theft, and a new fee for inaccessible meters.

A full listing of these new fees can be found on the District's website, www.mvwd.org, following the "Customer Service" and "Water Rates" menu links.

Self-regenerating Water Softener Removal Rebate is a WIN-WIN!

Put up to **\$2,000** in your pocket and **protect local water supplies.**

FACT

Self-regenerating water softeners leave a **slimy waste** that could harm our future water supplies.

TAKE ACTION

Remove your **self-regenerating water softener now** and get a rebate up to \$2,000 and free disconnection and removal. **It's that important.**

Visit IEUA.org or call (909) 993-1550 today.



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Residents of the following cities qualify: Chino, Chino Hills, Fontana, Montclair, Ontario, Rancho Cucamonga, Upland

District Properties Get Landscape Makeovers



Monte Vista Water District is asking its customers to use water wisely by considering water-efficient plants rather than grass in their landscapes. In order to be consistent, the District is “practicing what it preaches”—with beautiful results!

For the past five years, all new District facilities have been landscaped with native and drought-tolerant plants that, once established, need little to no water to thrive. In 2009, the District hired Architerra Design Group to develop a landscape design concept, site designs, and construction drawings for ten of the District’s older facilities. This past year, two of these sites received a “makeover” of new, water-efficient landscaping.

Over the next five years, as funds are available, the District plans to retrofit the remaining eight facilities. We hope these new, beautiful landscapes will inspire our customers to consider beautiful native and water-wise plants for their own yards.

For more information on water-wise landscaping, visit the Water Conservation section of the District’s website, www.mvwd.org.

District Adopts Three Major Planning Documents

In May and June, the District Board of Directors adopted three major planning documents:

- ◆ **Urban Water Management Plan:** Demonstrates that the District has reliable water supplies to meet projected demands at least 25 years into the future. Water agencies are required to update this plan every five years.
- ◆ **Recycled Water Master Plan:** Evaluates opportunities and costs for expanding the District’s existing recycled water distribution system.
- ◆ **Hazard Mitigation Plan:** Identifies natural hazards that affect the District, assesses the vulnerability of its assets, and develops a mitigation strategy.

All of these documents were developed in-house by staff, saving District ratepayers *thousands of dollars* in consultant fees.

To read these documents, go to the District’s website, www.mvwd.org, and follow the “Public Documents” and “Planning Documents” menu links.

OUR MISSION:

"To provide high quality water service while ensuring fiscal responsibility, ethical conduct and environmental stewardship."

Monte Vista Water District

10575 Central Avenue
P.O. Box 71
Montclair, CA 91763
(909) 624-0035
www.mvwd.org

BUSINESS HOURS

Monday through Thursday

7:30 a.m. – 5:30 p.m.

Friday 8 a.m. – 5 p.m.

Regular meetings of the Board of Directors are held on the second and fourth Wednesdays of each month at 7 p.m. at the District. The public is invited to attend. A time for public comment/open forum is included as part of each meeting's agenda.

Monte Vista Water District**Board of Directors**

Sandra S. Rose, President

Maynard Lenhart, Vice President

Tony Lopez, Director/Auditor

Philip L. Erwin, Director

G. Michael Milhiser, Director

★ ★ ★ ★ ★

Mark N. Kinsey, General Manager

Raymond L. Harton, Manager of
Finance and Administration

Van M. Jew, P.E., Manager of
Engineering, Maintenance and
Operations

Bruce Lance, Legal Counsel

Waterline Editor

Justin Scott-Coe
Public Affairs Director

Employee Awards

Stephanie Reimer of Rancho Cucamonga was named the "2010 Monte Vista Water District Employee of the Year," and two employees were recognized for a collective 10 years of service at the district's annual employee awards event held earlier this year.

Reimer, accountant/customer service supervisor, has been employed at the district since January 2009. Her responsibilities include supervising the district's customer service department and related functions, implementing the district's new budget-based tiered rate structure, and supporting the manager of finance and administration in preparing and analyzing budgetary and financial functions.



Stephanie Reimer
2010 Employee of the Year

Co-workers who nominated Reimer for the award describe her as "an enjoyable and inspirational colleague" who has "revitalized the Customer Service Department," "brought incredible, valuable technical expertise to the District," and "moved the position, her staff and the district forward."

Special recognition was given to the following employees for their years of service to the District:

- ◆ William Barrington, customer service representative, 5 years
- ◆ Raymond Harton, manager of finance and administration, 5 years

Retirements

The following three employees, representing a collective 76 years of service, retired from the District in the past year:

- ◆ Gilbert Martinez, construction project coordinator, 33 years
- ◆ Raymond Welborn, facilities maintenance technician, 30 years
- ◆ Mary Ann Melleby, public affairs director, 13 years

The District wishes them all the best as they enter a new phase of life in their well-deserved retirements.

District Recognized for Excellence in Financial Reporting

Monte Vista Water District has been awarded the "Certificate of Achievement for Excellence in Financial Reporting" for its comprehensive annual financial report for 2009-2010. The award was granted by the Government Finance Officers Association of the United States and Canada (GFOA), a Chicago-based nonprofit professional association serving approximately 17,500 government finance professionals.



Providing high quality water service while ensuring fiscal responsibility, ethical conduct, and environmental stewardship.



Water Saving Tip

Run only full loads in your clothes and dish washers. You'll save 300-800 gallons per month!

[Read more tips...](#)

Find Out About...

Best Practices

Reporting Water Wasters

Rebates and Incentives

Garden Class Signup

Resources for Teachers

Stuff for Kids

Today's Watering Index



Watch the Water

Free Sprinkler Nozzles (Feb 3, 2011)

Starting March 1st, Monte Vista Water District residential customers will be able to pick up Free Sprinkler Nozzles from local retail irrigation distributors.

[Read the Whole Story](#)

[Go to FreeSprinklerNozzles.com](#)



Inland Empire Garden Friendly (Mar 24, 2011)



The Inland Empire Garden Friendly program was created to develop a strategy to strengthen consumer demand for climate-appropriate landscaping. The program is holding a series of plant sales and workshops.

[Read the Whole Story](#)

Get a Free Irrigation Evaluation (Sep 10, 2010)

Monte Vista Water District customers can get a **free evaluation** of their outdoor landscape irrigation system. Most homes use 60-70% of their water outdoors, and 2-3 times what they need to use. Learn how you can use less, and save!

[Read the Whole Story](#)





FOR IMMEDIATE RELEASE

DATE: July 21, 2010
CONTACT: Mary Ann Melleby
PHONE: (909) 267-2165
Email: mmelleby@mvwd.org

Customers Reduce Water Use by 15 Percent

MONTCLAIR, CA . . . Monte Vista Water District customers have responded to requests to reduce their water use, resulting in savings of 15 percent below the District's average annual water demand, compared to the previous 10 year average.

The District began a comprehensive awareness campaign in the summer of 2007, informing customers about the need to conserve because of drought conditions and declining imported water supplies from Northern California due to environmental issues.

Because of continuing drought conditions and significant reduction in imported water deliveries, the board of directors declared a water supply shortage condition in both 2008 and 2009, with the latter declaration calling for mandatory water use restrictions for all customers. Recently, the board adopted a new ordinance establishing required year-round "best practices" for efficient water use as well as criteria for declaring conditions relating to severity of water supply shortages.

"Due to increased rainfall this year and effective management of local resources, the District no longer faces a water supply shortage, however, significant state-wide water supply challenges continue," said Sandra Rose, president of the board of directors. "Our customers have responded positively to our requests to conserve water, and now we're asking them to keep on using water as efficiently as possible year round," she added.

MORE



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PAGE 2 Monte Vista Water District/Customers Decrease Water Use by 15%

Rose compared the need to permanently change how water is used to that of “shifting from a short-term diet to a complete change in lifestyle.”

Several of the District’s largest water users have achieved the most significant reductions in demand. The City of Montclair reduced its demand on the District’s potable drinking water system by 40 percent over the past year, mostly through the conversion of seven parks to non-potable recycled water. Montclair Plaza has likewise reduced its outdoor water use by 45 percent, in part by retrofitting sprinkler heads to more efficient rotating nozzles.

“These savings are the result of successful local and regional programs that provide rebates for water efficient technologies and recycled water retrofits, as well as free landscape irrigation evaluations, in partnership with Chino Basin Water Conservation District, Inland Empire Utilities Agency, and Metropolitan Water District,” said Mark Kinsey, District general manager.

“If our customers continue their efforts in using water efficiently, we are well on our way to achieve the required 20 percent reduction in water use per capita by 2020, said Kinsey. Called for by the Governor in 2008 and enacted by law in November 2009 as part of a comprehensive water legislative package, the 20 percent by 2020 mandate requires a 10 percent reduction in per capita water use by 2015 by all water providers statewide.

Monte Vista Water District provides retail and wholesale water services to a population of over 134,000 in the communities of Montclair, Chino Hills, and portions of Chino

MORE

Required Year-Round Water Use Efficiency “Best Practices”

- ◆ **Set automatic irrigation timers to water only between 8 p.m. and 8a.m., no more than 15 minutes per cycle**
Exceptions: hand-watering, drip irrigation, “smart” controllers
- ◆ **Adjust watering and fix broken sprinkler heads to avoid excessive runoff**
- ◆ **Turn off irrigation system during rain**
- ◆ **Repair leaks within seven (7) days of discovery**
- ◆ **Wash vehicles with shutoff nozzle or at a car wash that recycles**
- ◆ **No hosing or washing paved surfaces**
Exception: Health and safety requirements
- ◆ **Restaurants provide water service only on request**
- ◆ **Hotels provide option to not launder linen daily**

For more information on water use efficiency, visit www.mvwd.org



Mark N. Kinsey
GENERAL MANAGER

NEWS RELEASE

DATE: November 24, 2010
CONTACT: Mary Ann Melleby
PHONE: (909) 267-2165
e-mail: mmelleby@mvwd.org

MONTE VISTA WATER DISTRICT JOINS EPA'S WATERSENSE PROGRAM AS A PROMOTIONAL PARTNER

MONTCLAIR, CA . . . Monte Vista Water District has joined the U.S. Environmental Protection Agency's (EPA) WaterSense program as a Promotional Partner. The EPA describes WaterSense as "a voluntary partnership program designed to protect the future of the nation's water supply by promoting and enhancing the market for water-efficient products and programs." The WaterSense program has built the national brand for water efficiency, similar to the ENERGY STAR branding program for energy-saving products and programs.

Water efficient products and programs that meet designated EPA efficiency and performance criteria are eligible for the WaterSense label. Certifying organizations assist in maintaining integrity and credibility by verifying and testing products.

The WaterSense label can be found on products for the home, including bathroom sink faucets and accessories, showerheads, toilets and urinals.

The label also appears on professional certification programs for landscape irrigation professionals who have been verified as being proficient in water-efficient irrigation system design, installation, maintenance and auditing. Under development are specifications for pre-rinse spray valves used in food service applications and irrigation controllers.

MORE →



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DIRECTOR

Philip L. Erwin
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G. Michael Milhiser
DIRECTOR

PAGE 2 MONTE VISTA WATER DISTRICT/ WaterSense Partnership

As a Promotional Partner, Monte Vista Water District will promote the value of water efficiency and WaterSense-labeled products and programs, feature WaterSense on its website and promotional materials and provide an annual report to the EPA on its promotional activities.

"Since its launch in 2006, the EPA's WaterSense program has been gaining momentum in building the brand and in certifying water efficiency products and programs," said Mary Ann Melleby, public affairs director for Monte Vista Water District. "We wanted to be a part of this national effort to assist consumers and our customers to find and select water-efficient products with a label backed by independent testing and certification," she explained. WaterSense products are at least 20 percent more water efficient than conventional models in the same category.

"The District's involvement in the WaterSense program complements our award-winning outreach program, 'Watch the Water,' created in 2007 to inform our customers about the need to use water as efficiently as possible due to California's ongoing water supply crisis and severe drought conditions over the past three years," said Mark Kinsey, the District's general manager. "As a result of this outreach program and the implementation of required year-round water use best practices, the District's water supply demand has dropped 15 percent from our long-term average," said Kinsey. "A 2009 state law requires all water providers to reduce their water demand by 20 percent by the year 2020. Programs like WaterSense will support our efforts to reach our water demand targets," he added.

For more information on "WaterSense," visit these websites:

www.mvwd.org/watchthewater.cfm

Click on "Partnerships in Water Conservation"

www.epa.gov/watersense

Monte Vista Water District provides retail and wholesale water services to a population of over 135,000 in the communities of Montclair, Chino Hills, and portions of Chino.



Mark N. Kinsey
GENERAL MANAGER

NEWS RELEASE

DATE: November 24, 2010
CONTACT: Mary Ann Melleby
PHONE: (909) 267-2165
e-mail: mmelleby@mvwd.org

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www.epa.gov/watersense

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Mark N. Kinsey
GENERAL MANAGER

NEWS RELEASE

DATE: December 13, 2010
CONTACT: Mary Ann Melleby
PHONE: (909) 267-2165
e-mail: mmelleby@mvwd.org

Chino Valley Students Recognized for Award-Winning Water Conservation Art Posters

MONTCLAIR, CA . . . Two students from Chino Valley schools, **Anjaly Cruz**, a fifth grader at Briggs Fundamental School, and **Victoria Contreras**, a ninth grader at Don Lugo High School, were recently honored for their award-winning art posters by Metropolitan Water District of Southern California (MWD), sponsor of an annual "Water is Life" student art contest. The students' posters were among 36 selected for recognition from 120 entries, representing artwork from grades K through 12, submitted by 24 water agencies in MWD's six-county service area.

In May 2010, Cruz' poster, "One Flush is Enough," received a third place award in the Grades 4-6 Division in Monte Vista Water District's local contest. Contreras' poster, "Don't Ruin Our 1% of Water" received a second place award in the Grades 7-12 Division of the District's contest. At that time, Cruz was a fourth grader in Rhonda Martello's class at Briggs Fundamental School in Chino, and Contreras was an eighth grader in Jackie Heacock's class at Briggs Fundamental School. The District sent six winning posters from its contest to MWD for judging in the regional contest.

The 36 award-winning posters are featured in a 2011 "Water is Life" calendar, published by MWD and unveiled at a special event on December 9 at the agency's headquarters in Los Angeles, where the student artists were recognized for depicting conservation concepts through art. The art exhibit will be on display at Metropolitan's headquarters until early January after which it will begin a six-month tour at various water agencies.

MORE →



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Page 2 Monte Vista Water District/Poster Contest Winners Recognized



Victoria Contreras (left) and Anjaly Cruz (right) show off their award-winning art posters exhibited at Metropolitan Water District of Southern California during the December 9th recognition event



Anjaly Cruz shows the month of May in the "2011 Water is Life" calendar featuring her winning poster

Monte Vista Water District provides retail and wholesale water services to a population of over 135,000 in the communities of Montclair, Chino Hills and portions of Chino

W E W A C

Water Education - Water Awareness Committee
P.O. Box 9020, Chino Hills, CA 91709
(909) 993-1706

NEWS RELEASE

Date: January 4, 2011
Contact: Andréa Carruthers
Phone: (909) 993-1935
Email: acarruthers@ieua.org

Water Agencies Award Grants to Teachers to Conduct Water Awareness Classroom Activities

The Water Education Water Awareness Committee (WEWAC) has awarded grants of nearly \$6,000 to local teachers to conduct classroom activities to increase students' awareness of the importance of water resources.

Eleven "Edu-Grants" of up to \$500 each were awarded to:

- Gerardo Rosette of Upland Junior High School in Upland, for his project entitled "Futuristic Water".
- Bridget Gardea of Garey High School in Pomona, for her project entitled "Coliforms & pH & Oxygen, oh my!"
- Bo Whieldon of Upland High School in Upland, for his project entitled "Upland High School Arboretum Water Efficiency Project".
- Jennifer McAdams of Upland High School in Upland, for her project entitled "The Awakening: Bridging Water Education Across the Ages".
- Argy Leyton and Tina Ramsey of Montclair High School in Montclair, for their project entitled "Exploring Heat Energy".
- Russell Okinaka of Montclair High School in Montclair, for his project entitled "Water Quality at Montclair High School".
- George King of Career & Technical Education Center in Pomona, for his project entitled "Field Trip to Diamond Valley Lake & Skinner Lake".
- David Meng of Nogales High School in La Puente, for his project entitled "City Water Field Trip".
- Steven Ball, Jim Castillo, Stayci Churchill and Marty Duyer of EJ Marshall Elementary School in Chino, for their project entitled "LA County Outdoor Science School".
- Elaine Skaggs of Upland High School in Upland, for her project entitled "Life in a Fishbowl (Water Filtration)".

Our mission is to promote the efficient use of water and to increase public awareness
of the importance of water in Southern California

More

W E W A C

Water Education - Water Awareness Committee
P.O. Box 9020, Chino Hills, CA 91709
(909) 993-1706

Page 2

- 💧 Joe Martinez of Rorimer Elementary School in La Puente, for his project entitled "ChiquiNoticias".

Grant recipients will complete the classroom projects by the end of the 2010-2011 academic year with WEWAC representatives conducting classroom visits in May and June to view the project or receive oral and written reports highlighting project outcomes.

WEWAC is a consortium of conservation professionals representing 14 cities and water agencies located in western San Bernardino County and eastern Los Angeles County, which include the cities of Chino, Chino Hills, Glendora, La Verne, Pomona, Upland along with Chino Basin Water Conservation District, Cucamonga Valley Water District, Fontana Water Company, Inland Empire Utilities Agency, Monte Vista Water District, Ontario Municipal Utilities Company, Rowland Water District and Three Valleys Municipal Water District.

"In 1986, faced with serious drought conditions throughout California, local water agencies and cities pooled resources in an effort to promote water conservation," explained Justin Scott-Coe, WEWAC president and public affairs representative at Monte Vista Water District. "Since then, the group has actively worked to promote the efficient use of our precious water resources through successful regional education and public information programs," he added.

In addition to the Edu-Grant program, WEWAC sponsors an annual high school video contest, conducts teacher workshops, and participates in educational fairs, and community events. It also maintains a website, www.usewaterwisely.com, and a "California Friendly®" demonstration garden at the Los Angeles County fairgrounds. For more information, call the WEWAC message center at (909) 931-4238.



News Release

FOR IMMEDIATE RELEASE

DATE: May 27, 2011
CONTACT: Justin Scott-Coe
PHONE: (909) 267-2116
EMAIL: jscottcoe@mvwd.org

Students Winners Recognized in 2011 "Water Is Life" Art Poster Contest

MONTCLAIR, CA Monte Vista Water District recently announced the winners of its annual "Water is Life" art poster contest. Students in grades K-12 in schools within the District's service area were invited to create an art poster depicting various water uses, ways to use water more efficiently, or water conservation topics. The District received 341 entries representing 15 classrooms in eight schools.

Winning posters were submitted to Metropolitan Water District of Southern California, who is conducting a regional art poster contest in which 36 winning posters will be selected out of several hundred entries from water agencies throughout southern California. Winners will be announced in early fall and recognized at a special event in early December.

Winners of the Monte Vista Water District contest received gift cards to a book store and an awards certificate. Teachers of contest winners received gift cards to a school supply store. Members of the Board of Directors, Sandra Rose, president, Tony Lopez, director/auditor, and Philip Erwin, director, presented the awards to the poster contest winners during school assemblies.

MORE→

Page 2 Monte Vista Water District / Poster Contest Winners

Grades K-3 Division Winners:

First Place: Breanne Iannetta, Grade 1, Our Lady of Lourdes School, Montclair.

Teacher: Ms. Soto

Second Place: Paulina X. Rodriguez, Grade 1, Our Lady of Lourdes School, Montclair.

Teacher: Ms. Soto

Third Place: Emily Wang, Grade K, Howard Elementary School, Montclair.

Teacher: Ms. Contat

Grades 4-6 Division Winners:

First Place: Helen Truong, Grade 4, Monte Vista Elementary School, Montclair.

Teacher: Ms. Werdmuller Von Elgg

Second Place: Zachary Araneta, Grade 4, Our Lady of Lourdes School, Montclair.

Teacher: Ms. Burt

Third Place: Samantha Gomez, Grade 5, Our Lady of Lourdes School, Montclair.

Teacher: Ms. Cruz

Grades 7-12 Division Winners:

First Place: Greg Leon, Grade 8, Lyle Briggs Fundamental School, Chino.

Second Place: Alex Rodriguez, Grade 8, Lyle Briggs Fundamental School, Chino.

Third Place: Melissa Legg, Grade 8, Lyle Briggs Fundamental School, Chino.

Teacher: Ms. Heacock

Photos of the award-winning posters are attached and available on the District's website, www.mvwd.org.



2011 "Water is Life" Poster Contest Winners

Grades K- 3 Division



First Place

Breanne Iannetta, Grade 1
Our Lady of Lourdes School, Montclair
Teacher: Ms. Soto



Second Place

Paulina X. Rodriguez
Grade 1, Our Lady of Lourdes School, Montclair
Teacher: Ms. Soto



Third Place

Emily Wang, Grade K
Howard Elementary School, Montclair
Teacher: Ms. Contat

Grades 4-6 Division



First Place

Helen Truong, Grade 4

Monte Vista Elementary School, Montclair

Teacher: Ms. Werdmuller Von Elgg

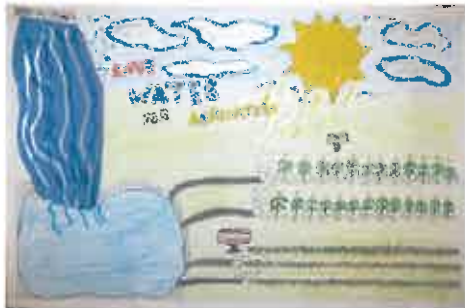


Second Place

Zachary Araneta, Grade 4

Our Lady of Lourdes School, Montclair

Teacher: Ms. Burt



Third Place

Samantha Gomez, Grade 5

Our Lady of Lourdes School, Montclair

Teacher: Ms. Cruz

Grades 7-12 Division



First Place

Greg Leon, Grade 8

Lyle Briggs Fundamental School, Chino

Teacher: Ms. Heacock

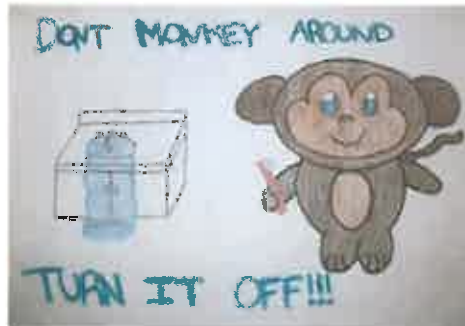


Second Place

Alex Rodriguez, Grade 8

Briggs Fundamental School, Chino

Teacher: Ms. Heacock



Third Place

Melissa Legg, Grade 8

Lyle Briggs Fundamental School, Chino

Teacher: Ms. Heacock



Educator Resources

Below are resource links and contact information to assist local educators in teaching their students about the value of water and the need to conserve. Teachers, THANK YOU for your service to our children and our future!

Websites

- ◆ **Monte Vista Water District** www.mvwd.org
 Watch the Water www.mvwd.org/asp/Site/WatchTheWater
- ◆ **Water Education Water Awareness Committee** www.usewaterwisely.com
 EduGrant Program www.usewaterwisely.com/grants.cfm
 Public Service Announcement Contest www.usewaterwisely.com/video.cfm
- ◆ **Chino Basin Water Conservation District** www.cbwcd.org
 Education Programs <http://www.cbwcd.org/Education%20Programs/Education%20Programs.htm>
 Water Conservation Demonstration Garden www.cbwcd.org/Gardengallery/gardengallery.htm
- ◆ **Inland Empire Utilities Agency** www.ieua.org
 "Water Wise" Garden in Every School Program www.ieua.org/educations/gies.html
 Chino Creek Wetlands & Educational Park www.ieua.org/educations/park.html
- ◆ **Inland Empire Resource Conservation District — Education Programs** ... www.iercd.org/education.html
- ◆ **Rancho Santa Ana Botanic Garden** www.rsabg.org
- ◆ **Metropolitan Water District of Southern California** www.mwdh2o.com
 Education www.mwdh2o.com/mwdh2o/pages/education/h2o/h2o.html
 Teacher Resources www.mwdh2o.com/mwdh2o/pages/education/sc_teacher/teacher01.html
 BeWaterWise.com www.bewaterwise.com
 Community Partnering Program — Funding www.mwdh2o.com/mwdh2o/pages/yourwater/cpp/cpp.html
- ◆ **Water Education Foundation** www.watereducation.org
 California Project WET — Water Education for Teachers ... www.watereducation.org/doc.asp?id=1008
- ◆ **California Department of Water Resources** www.water.ca.gov
 Water Education Materials for Educators www.water.ca.gov/education
 Water Facts and Fun Materials Order Page www.water.ca.gov/education/wffcatalog.cfm
 California Water Plan www.waterplan.water.ca.gov
- ◆ **California Urban Water Conservation Council** www.cuwcc.org
 H2ouse.org — Home Water Use Efficiency Tour www.h2ouse.org
- ◆ **California Regional Environmental Education Community (CREEC) Network** www.creec.org
- ◆ **California Environmental Education** www.ceres.ca.gov/education

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(909) 624-0035
www.mvwd.org





Websites (continued)



- ◆ **Association of California Water Agencies** www.acwa.com
 - California Water Crisis www.calwatercrisis.org
 - NO TIME TO WASTE: A Blueprint for California Water* www.acwa.com/spotlight/no-time-waste
 - California's Water* — Huell Howser Public TV Series · www.acwa.com/spotlight/californias-water-series
- ◆ **California Water Awareness Campaign** www.wateraware.org
- ◆ **Water – Use It Wisely** www.wateruseitwisely.com
- ◆ **U.S. Drought Monitor** (University of Nebraska–Lincoln) www.drought.unl.edu/dm/monitor.html
- ◆ **Educating Young People About Water** (U of Wisconsin) www.uwex.edu/erc/eypap
- ◆ **U.S. Environmental Protection Agency** www.epa.gov
 - Office of Water Kids' Page www.epa.gov/water/kids.html
 - Student Center www.epa.gov/students
 - Environmental Kids Club — Water www.epa.gov/kids/water.htm
- ◆ **U.S. Geological Survey** www.usgs.gov
 - Water Science for Schools ga.water.usgs.gov/edu
 - USGS Education education.usgs.gov
 - Water Resources Information for Students and Teachers water.usgs.gov/education.html
- ◆ **Center for Innovation in Engineering and Science Education** www.k12science.org
 - Down the Drain: How Much Water Do You Use? www.k12science.org/curriculum/drainproj
- ◆ **Environmental Literacy Council** — Water www.enviroliteracy.org/category.php/14.html
- ◆ **Water on the Web** www.waterontheweb.org
- ◆ **The Groundwater Foundation** — Kids Corner www.groundwater.org/kc/kc.html
- ◆ **National Ground Water Association** — Educator Resources www.ngwa.org/PROGRAMS/educator

Contacts

- ◆ **Monte Vista Water District** (909) 624-0035
 - Mary Ann Melleby, Public Affairs Director mmelleby@mvsd.org; (909) 267-2165
 - Justin Scott-Coe, Public Affairs Representative jscottcoe@mvsd.org; (909) 267-2116
- ◆ **Chino Basin Water Conservation District** — Guided Conservation Garden Tours (909) 626-2711
- ◆ **Inland Empire Utilities Agency** — Wetlands and Wastewater Treatment Plant Tours
 - Sondra Elrod, Public Information Officer selrod@ieua.org; (909) 993-1747
- ◆ **Water Education Water Awareness Committee** info@usewaterwisely.com; (909) 931-4238
- ◆ **Metropolitan Water District of Southern California** (213) 217-6000
 - Russ Donnelly, Education Programs Manager rdonnelly@mwdh2o.com; (213) 217-6398
- ◆ **California Department of Water Resources** (916) 653-5791
 - Carolyn M. Tucker, Water Education Specialist carolyn@water.ca.gov; (916) 653-9892
- ◆ **Water Education Foundation** (916) 444-6240
 - Brian Brown, California Project WET Coordinator projectwet@watereducation.org; (916) 444-6240
- ◆ **CREEC Network** (805) 782-7224
 - Katharine M. Havert, S.B./Riverside Coordinator Kathy_havert@sbcss.k12.ca.us; (909) 386-2797

Money-Saving Rebates and Incentives

RESIDENTIAL REBATES



Rotating Nozzles

\$5 REBATE per nozzle (minimum 25)



Smart Irrigation Controllers

\$125 REBATE < 1 acre

\$40 REBATE per station > 1 acre



High Efficiency Clothes Washers

\$135 REBATE per washer

Water Factor of 4.0 or less



Multi-Family Toilet Installation Program

Installation of high efficiency toilets for apartment, condo owners. **Required co-pay of \$24 per toilet.**
Call (800) 597-2835 to schedule installation.



Free Landscape Irrigation Evaluation

Evaluation of outdoor landscape irrigation system, conducted by certified irrigation auditors.
Call (909) 267-3224 to schedule evaluation.

BUSINESS CUSTOMERS

Visit mwdsaveabuck.com for commercial rebates

For more information, call (888) 376-3314
or visit socialwatersmart.com to apply online.



Water Use Efficiency Best Practices

Monte Vista Water District's Board of Directors adopted Ordinance 33 establishing year-round water use efficiency best practices. District customers are required to practice the following common sense measures to use water as efficiently as possible:

- ◆ **Set automatic irrigation timers to water between the hours of 8 p.m. and 8 a.m.**
Exceptions: Hand-watering, drip irrigation, "smart" (e.g., weather-based) irrigation controllers
- ◆ **Adjust watering and fix broken heads to avoid excessive runoff from irrigation**
- ◆ **Turn off irrigation during rain**
- ◆ **Repair leaks within seven (7) days of discovery**
- ◆ **Use a hose with a shut-off nozzle to wash vehicles, or use automatic commercial wash**
- ◆ **No hosing down of paved surfaces, except when required for health or safety purposes**
- ◆ **Restaurants serve water only upon request**
- ◆ **Hotels offer guests the option to not launder linen daily**



**See Water Being Wasted?
Call our "Watch the Water"**

Notification Line:

(909) 267-2130

**For more information on
how you can save water,
visit www.MVWD.org**



Information on New Bill Format & Budget-Based Tiered Rates

The enclosed Monte Vista Water District bill has been re-formatted to support the District's new budget-based tiered rate structure. On the reverse side is a "tour" of the new bill format, and the following is information about the new rate structure and what you can do to reduce your future bills.

What is a "budget-based tiered rate"? How can you avoid the higher tiers?

A budget-based tiered rate prices water based on need and rewards customers who use water efficiently. The water budget estimates indoor and outdoor water use requirements, allocating more lower-priced water for homes with larger landscapes. If customers exceed their budget, a higher rate will be charged for the additional use.

Only individually metered residential customers will be converted to budget-based tiered rates. All other customers (e.g., businesses, apartment complexes with master meters) will be charged a flat rate that represents the average rate paid by single-family residential customers.

How did we come up with the tiers?

- ◆ **Tier 1** is based on the water needs of 4 people per household, estimated from U.S. Census and California Department of Finance data.
- ◆ **Tier 2** is based on the water needs of a property's outdoor landscape, estimated from San Bernardino County parcel data and historical data on plant water use requirements. Tier 2 will adjust seasonally for each billing period.
- ◆ **Tier 3** is the sum of 50% of Tier 1 and 50% of Tier 2 for each billing period.
- ◆ **Tier 4** is all usage above Tier 3.

- ◆ **Use Less Water:** Simple changes to water use habits, like turning off water when brushing your teeth or using a broom instead of a hose to clean paved areas, can lead to significant savings. Visit www.mvwd.org and click on "Water Conservation" for more tips.
- ◆ **Apply for Rebates:** Monte Vista Water District offers residential rebates for clothes washers, "smart" irrigation controllers, and rotating sprinkler head nozzles. Visit www.mvwd.org or call Public Affairs at (909) 267-2116 for more information.
- ◆ **Get a Free Irrigation Survey:** Monte Vista Water District offers free landscape irrigation surveys. Call (909) 267-2116 for more information.
- ◆ **Apply for a Variance:** Customers may apply for a variance to their Tier 1 or Tier 2 allocation. Monte Vista Water District offers the following variances:
 - ◇ Number of People per Household
 - ◇ Child/Adult/Elder Care Facility
 - ◇ Medical Needs
 - ◇ Irrigated Landscape Area
 - ◇ Establishment of New or Rehabilitated Landscaping
 - ◇ Livestock and Large Animals
 - ◇ Pool Refilling
 - ◇ Leaks
 - ◇ Other

Visit www.mvwd.org or call Customer Service at (909) 624-0035 for more information.

How to read your new water bill

We have changed the format of your water bill.
The display below explains how to read it.

A: Your account information and **total amount due** is listed on the stub. Please detach it, enter the amount enclosed and return it with your remittance in the envelope provided.


B: The **bill detail** for residential customers shows your water budget. Each customer's water budget is different, based on estimates of household size and landscaped area.

C: The **Readiness-to-Serve (RTS) Charge**, based on the meter size, covers a portion of the fixed costs of operating the District.

D: The **Commodity Charge**, based on the amount of water used, is per unit (748 gallons) and tiered for single-family residential customers.

E: **Pass Through Charges** are passed directly from other agencies to the customer.

F: This graph shows your **water use history** and how your water use fits in the tiered rate system. Notice how you are allocated more water in the summer months. If your graph ventures into tiers 3 and 4, you are using more water than your budget and should take additional water conservation measures.



PO BOX 71 10575 Central Ave.
Montclair, CA 91763 - 0071 www.mvwd.org

(909) 624 - 0035
Mon - Thurs 7:30 am - 5:30 pm ; Fri 8:00 am - 5:00 pm

WATER CUSTOMER
100 WATER WAY
MONTCLAIR CA 91763

MONTE VISTA WATER DISTRICT
PO BOX 71
10575 CENTRAL AVE
MONTCLAIR, CA 91763-0071 www.mvwd.org

PAY YOUR BILL ONLINE AT WWW.MVWD.ORG

ACCOUNT NUMBER	999-999-09
SERVICE ADDRESS	100 WATER WAY
CURRENT CHARGE	89.61
TOTAL AMOUNT DUE	\$89.61
DUE DATE	03/31/2010

AMOUNT INCLUDED \$

Please return this stub with your payment. Make check payable to MVWD.

Please return this stub with your payment. Make check payable to MVWD.

BILL DETAIL

Your Water Budget For This Period In Units	39
Your Water Consumption	34
Readiness To Serve	\$ 36.38
Consumption	
Tier 1 Indoor Use	\$1.408 x 24 = 33.79
Tier 2 Outdoor Use	1.608 x 10 = 16.08
Tier 3 Inefficient Use	2.100 x 0 = 0.00
Tier 4 Excessive Use	3.216 x 0 = 0.00
Total Consumption Charge	\$ 49.87
Pass Through Charges	
Chino Basin Watermaster	0.00
Southern California Edison	0.00
Metropolitan Water District	0.00
Montclair Utility Tax	3.89%
Total Pass Through Charge	\$ 3.36
Total For This Period Due Immediately	\$ 89.61
Total Amount Due	\$ 89.61

BILL SUMMARY

CUSTOMER NAME	WATER CUSTOMER
SERVICE ADDRESS	100 WATER WAY
ACCOUNT NUMBER	999-999-99
BILLING PERIOD	1/1/2010 - 2/28/2010
TOTAL AMOUNT DUE	\$89.61

SPECIAL MESSAGES

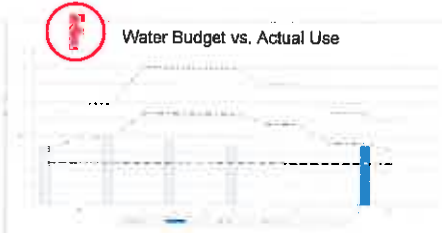
Online Bill Pay is now available! Go to www.mvwd.org and click on the Online Bill Pay icon to register.

Questions? Contact Customer Service at (909) 624-0035, Ext. 0.

ACCOUNT INFORMATION

Meter #	Current Read	Previous Read
000000009	2448	2414

Water Budget vs. Actual Use



Your water efficiency rating this billing period is:

EFFICIENT

Thank you for being an efficient water user!
Number of days in this billing period: 58
1 unit = 100 cubic feet = 748 gallons

Charges billed through closing date of 2/28/2010

See reverse for more information on tiered rate structure

Attention Residential Customers

The District's new budget-based tiered rate provides water at the "Tier 2" price based on your outdoor watering needs throughout the year. The amount of Tier 2 water provided during the winter will be less than the amount of Tier 2 water provided during the summer.

Tier 2 Water: **More in the Summer, Less in the Winter**

Adjust your outdoor water use NOW to avoid unnecessary higher water charges!

Please see our Recommended Local Watering Schedule on reverse side →

Para traducir este aviso de Informacion por favor llame a (909) 624-0035 Ext. 0



www.MVWD.org
(909) 624-0035

Recommended Local Watering Schedule

This watering schedule is recommended, NOT required. Place this schedule on your refrigerator or next to your automatic irrigation controller and adjust your watering seasonally according to the information below.

Fall (October - December)

TUE	THU	SAT
5 a.m. 6 mins	5 a.m. 6 mins	5 a.m. 6 mins

Winter (January - March)

TUE	THU	SAT
5 a.m. 6 mins	5 a.m. 6 mins	—

Spring (April - June)

TUE	THU	SAT
5 a.m. 6 mins 6 a.m. 6 mins	5 a.m. 6 mins 6 a.m. 6 mins	5 a.m. 6 mins 6 a.m. 6 mins

Summer (July - September)

TUE	THU	SAT
5 a.m. 7 mins 6 a.m. 7 mins	5 a.m. 7 mins 6 a.m. 7 mins	5 a.m. 7 mins 6 a.m. 7 mins



Times shown are for spray heads; double times for rotor heads. Use "Schedule A" and "Schedule B" feature for multiple cycles. Adjust watering time based on weather and plant health.

**Water Wise Workshops
&
Special Offers at
THE HOME DEPOT®**



\$ave Water
...and Money!



**Save up to 50% at these
Garden Friendly Plant Sales:
9:00am - 2:00pm**



April 9, 3323 Madison St., Riverside



April 16, 25100 Madison Ave., Murrieta



April 23, 1355 E. Ontario Ave., Corona



May 14, 14549 Ramona Ave., Chino



May 21, 1401 E 19th St., Upland



May 28, 12255 Pigeon Pass Rd., Moreno Valley



June 4, 695 Hospitality Ln., San Bernardino



June 11, 1151 W Lugonia Ave., Redlands



June 18, 3150 Case Rd., Perris



June 25, 3400 W. Florida Ave., Hemet

FREE WATER WISE WORKSHOPS

Water Wise Landscaping 101

Date: April 2, 9:00 am – 12:00 pm

Location: Western Municipal Water District
14205 Meridian Pkwy., Riverside, 951-571-7296

Climate Appropriate Plants

Date: May 14, 9:00 am – 12:00 pm

Location: Chino Basin Water Conservation District
4594 San Bernardino St., Montclair, 909-626-2711

Climate Appropriate Plants

Date: May 21, 9:00 am – 12:00 pm

Location: Eastern Municipal Water District
2270 Trumble Rd., Perris, 951-928-3777 ext. 3322

Water Wise Landscaping 101

Date: June 4, 9:00 am – 12:00 pm

Location: San Bernardino Valley Water Conservation
Demonstration Garden, Cal State San Bernardino,
Coyote Dr. Entrance (East of 5500 University Pkwy.
on North Park Blvd.) 909-537-3687

Corporate
Sponsors:





Tip Sheet

Monte Vista Water District is requesting our customers to **“Watch the Water!”** See below how you can use water more efficiently and protect this precious resource.

If you...

- ◆ While **hand watering**, focus on dry spots, pay attention to avoid runoff
- ◆ **Reduce irrigation cycles** by 1-3 minutes
- ◆ Irrigate your landscapes only in the **early morning hours** (5 a.m.)
- ◆ Adjust irrigation timer valve **run times** seasonally
- ◆ Adjust sprinklers to avoid unnecessary **overspray**
- ◆ Fix leaky and broken **sprinkler heads**
- ◆ Replace spray head nozzles with **rotator nozzles** (*rebate – see reverse*)
- ◆ Use **drips** or **bubblers** to irrigate your flower and shrub beds
- ◆ Use irrigation controller with **rain sensor** (*rebate – see reverse*)
- ◆ Replace part of lawn with **low water use plants**
- ◆ Put 2-4 inches of **mulch** around bushes, trees and shrubs

Outdoor Landscaping

You'll save...

- ◆ **750-1,500 Gallons / Month**
- ◆ **15-25 Gallons / Minute**
- ◆ **20-25 Gallons / Day**
- ◆ **250 Gallons / Cycle**
- ◆ **500 Gallons / Month**
- ◆ **20 Gallons / Day**
- ◆ **1,200 Gallons / Year / Nozzle**
- ◆ **20-25 Gallons / Day**
- ◆ **40 Gallons per Day**
- ◆ **1,000-1,800 Gallons / Month**
- ◆ **20-30 Gallons / Day / 1,000 ft²**

Outdoor Cleaning

- ◆ Clean sidewalks and driveways with **broom** rather than hose
- ◆ Take car to **car wash**, or at least use a **self-closing hose nozzle**
- ◆ Use **pool and spa covers**
- ◆ Repair **leaks** around hosebibs, spigots, pool and spa pumps
- ◆ Clean pool filter manually rather than **backwash**

- ◆ **8-18 Gallons / Minute**
- ◆ **8-18 Gallons / Minute**
- ◆ **30 Gallons / Day**
- ◆ **15-20 Gallons / Day / Leak**
- ◆ **250-1,000 Gallons / Cleaning**

Indoor Living

- ◆ Fix **leaky faucets** and toilets
- ◆ Install **aerators** on all faucets
- ◆ Run only **full loads** in your clothes and dish washers
- ◆ Keep **showers** to less than 10 minutes
- ◆ Turn off water when **brushing teeth** or **shaving**
- ◆ Don't use toilet as **trash can**
- ◆ Replace old toilet with more **efficient toilet** (*incentive – see reverse*)
- ◆ Replace **clothes washer** with efficient appliance (*rebate – see reverse*)
- ◆ Replace old **showerhead** with one that uses 2.5 gallons per minute
- ◆ When **hand washing dishes**, fill sink, don't leave water running

- ◆ **20-50 Gallons / Day / Fixture**
- ◆ **4.7 Gallons / Day / Faucet**
- ◆ **300-800 Gallons / Month**
- ◆ **700 Gallons / Month**
- ◆ **240 Gallons / Month**
- ◆ **400-600 Gallons / Month**
- ◆ **2.2-3.8 Gallons / Flush**
- ◆ **20-30 Gallons / Load**
- ◆ **1,000s of Gallons / Month**
- ◆ **2.5 Gallons / Minute**

For more  **water-saving tips, go to www.mvwd.org**

Have Questions? Contact Us!
(908) 267-2130 • watchthewater@mvwd.org



Turn Page for Fantastic Rebates and
Upcoming Events! →



Residential Rebates



Smart Irrigation Controllers

\$125 REBATE < 1 acre
\$40 REBATE per station > 1 acre

Smart Controllers automatically adjust watering schedules based on changes in weather or soil moisture so your landscape gets just the right amount of water that it needs.



Rotating Spray Head Nozzles

\$5 REBATE per nozzle
(minimum 25)

Replace standard spray nozzles with rotating nozzles. Rotating nozzles apply water more slowly and uniformly to your landscape, encouraging healthy plant growth.



High Efficiency Clothes Washers

\$135 REBATE per washer
(Water Factor of 4.0 or less)

For more information, please call (888) 376-3314 or visit socalwatersmart.com.



Special Programs



Free Landscape Irrigation Evaluation

- ◆ Detailed evaluation of outdoor landscape irrigation system
- ◆ Conducted by certified landscape irrigation auditors
- ◆ To schedule an evaluation, please call Chino Basin Water Conservation District at (909) 267-3224 or Monte Vista Water District at (909) 267-2116



High Efficiency Toilet Installation Program

- ◆ Direct installation of residential high efficiency toilets for a nominal fee per toilet
- ◆ **\$60 for single-family homes and condominiums, \$40 for apartments**
- ◆ Must replace toilets that are 3.5 gallons per flush or more
- ◆ To participate or for more information, please call Bottom Line Utility Solutions at (800) 597-2835 or Monte Vista Water District at (909) 267-2116

Thank you for doing your part to conserve our precious water resources!

Have Questions? Contact Us!
(909) 267-2136 • watchthewater@mvwd.org



Turn Page for Great Water Saving Tips! →

July 2011



Sugerencias

El Distrito de Agua Monte Vista está pidiendo a nuestros clientes **“¡Cuide el Agua!”** Lea en seguida cómo usted puede reducir su utilización diaria de agua y proteger este valioso

Si usted...

- ◆ Al **regar manualmente**, enfóquese en los lugares secos, ponga atención para evitar el gasto de agua
- ◆ **Reduzca los ciclos de riego** en 1-3 minutos
- ◆ Riegue sus jardines solamente **temprano por la mañana** (5 a.m.)
- ◆ Ajuste estaciones en el reloj de válvula de riego el **número de aplicaciones**
- ◆ Ajuste los rociadores para evitar el **sobre-regado**
- ◆ Repare las **cabezas de rociadores** con fugas o roturas
- ◆ Reemplace las boquillas de cabezas de rociadores con **boquillas giratorias** (rebajas – ver al reverso)
- ◆ Use **riego por goteo** o **burbujas** para regar sus flores y plantas
- ◆ Use controladores de riego con **sensor de lluvia** (rebajas – ver al reverso)
- ◆ Reemplace parte del césped con **plantas de bajo consumo de agua**
- ◆ Coloque de 2-4 pulgadas de **pajote** alrededor de arbustos, árboles o matorrales

Jardines Exteriores

el ahorro será de...

- ◆ **750-1,500 Galones / Mes**
- ◆ **15-25 Galones / Minuto**
- ◆ **20-25 Galones / Día**
- ◆ **250 Galones / Ciclo**
- ◆ **500 Galones / Mes**
- ◆ **20 Galones / Día**
- ◆ **1,200 Galones / Año / Boquilla**
- ◆ **20-25 Galones / Día**
- ◆ **40 Galones por Día**
- ◆ **1,000-1,800 Galones / Mes**
- ◆ **20-30 Galones / Día / 1,000 pie²**

Limpeza Exterior

- ◆ Limpie las banquetas y rampas con **escoba** en lugar de manguera
- ◆ Lave el auto en un auto lavado, o por lo menos utilice una **boquilla de manguera con auto-cerrado**
- ◆ Use **cubiertas para alberca y spa**
- ◆ Repare **fugas** alrededor de conexiones de manguera, bombas para alberca y spa
- ◆ Limpie manualmente filtros de alberca en lugar de **lavarlos a presión con agua**
- ◆ **8-18 Galones / Minuto**
- ◆ **8-18 Galones / Minuto**
- ◆ **30 Galones / Día**
- ◆ **15-20 Galones / Día / Fuga**
- ◆ **250-1,000 Galones / Limpieza**

Usos en Interiores

- ◆ Arregle llaves y sanitarios con **fugas**
- ◆ Instale **aereadores** en todas las llaves
- ◆ Lave solamente **cargas completas** en sus lavadoras de ropa y platos
- ◆ Reduzca sus **baños** a menos de 10 Minutos
- ◆ Cierre el agua al **lavarse los dientes** o **afeitarse**
- ◆ No utilice el sanitario como **basurero**
- ◆ Reemplace su viejo sanitario por uno **más eficiente** (rebajas – ver al reverso)
- ◆ Reemplace su **lavadora de ropa** por una más eficiente (rebajas – ver al reverso)
- ◆ Reemplace su vieja **regadera** con una que utilice 2.5 Galones por Minuto
- ◆ Cuando **lave a mano los trastes**, llene el fregadero, no deje correr el agua
- ◆ **20-50 Galones / Día / Accesorio**
- ◆ **4.7 Galones / Día / Llave**
- ◆ **300-800 Galones / Mes**
- ◆ **700 Galones / Mes**
- ◆ **240 Galones / Mes**
- ◆ **400-600 Galones / Mes**
- ◆ **2.2-3.8 Galones / Descarga**
- ◆ **20-30 Galones / Carga**
- ◆ **1,000s de Galones / Mes**
- ◆ **2.5 Galones / Minuto**

Para mas  información de conservar agua, visitarnos a www.mvwd.org

¿Requiere más información? ¡Contáctenos!
(909) 267-2130 • watchthewater@mvwd.org



¡Ver al Reverso Fantásticos Descuentos
y Próximos Eventos! →



Descuentos Residenciales



Controladores inteligentes de Riego

\$125 DE DESCUENTO < 1 acre
\$40 DE DESCUENTO per station > 1 acre

Controladores inteligentes ajustan automáticamente a los horarios de riego basados en cambios en la humedad del clima y el suelo, para que su paisaje obtenga sólo la cantidad adecuada de agua que necesita.



Boquillas Giratorias para Cabeza de Riego

\$5 DE DESCUENTO por boquilla (25 Boquillas Mínimo)

Reemplace las boquillas estándar con boquillas de rotación. Boquillas rotativas aplicarán agua más lentamente e uniforme a su paisaje, estimulando el crecimiento de plantas saludables.



Lavadoras de Ropa de Alta Eficiencia

\$135 DE DESCUENTO por lavadora (Factor de Agua de 4.0 o menor)

Para más información, favor de llamar al (888) 376-3314 o visite socialwatersmart.com.



Programas Especiales



Evaluación de riego de paisaje

- ◆ Evaluación detallada del sistema de riego de paisaje
- ◆ Llevada a cabo por auditores certificados de riego de paisaje
- ◆ Para programar una evaluación, por favor llame Chino Basin Water Conservation District en (909) 267-3224 o Monte Vista Water District al (909) 267-2116



Programa de instalación de inodoro para multi-familia

- ◆ Instalación de inodoro de alta eficiencia por una tarifa nominal
- ◆ **\$60 para viviendas unifamiliares y condominios, \$40 para los apartamentos**
- ◆ Debe reemplazar inodoros que son 3.5 galones por descarga o más
- ◆ Para participación o más información, por favor llame a Bottom Line Utility Solutions en el (800) 597-2835 o Monte Vista Water District al (909) 267-2116.

¡Gracias por hacer su parte para conservar nuestros valiosos recursos de agua!

¿Requiere más información? ¡Contáctenos!
(800) 267-2130 • watchthewater@mvsd.org



¡Ver el Reverso para Grandes
Sugerencias para Ahorro de Agua!

Julio 2011



(909) 624-0035 • www.mvwd.org

Commercial, Industrial, and Institutional Water Conservation Rebate Programs

Monte Vista Water District is requesting its customers to **“Watch the Water!”** The following is information to help our commercial, industrial, and institutional customers become more aware of money-saving rebates for water-saving technologies.

High Efficiency Toilets



\$100 REBATE per fixture (Dual flush or 1.28 gpf or less)

Average annual savings of 19,000 gallons when replacing non-efficient toilet (3.5+ gpf). Available in Gravity-Fed, Pressure Assist and Dual-Flush models.

Smart Irrigation Controllers



\$40 REBATE per station (weather-based or central computer irrigation controllers)

Up to 50% of commercial water is used for irrigation. Smart Irrigation Controllers provide the appropriate watering schedule, adjust for weather changes and irrigate based on the needs of the landscape.

High Efficiency Urinals



\$300 REBATE per fixture

Zero Water Urinals and Ultra Low Water Urinals (<0.25 gpf to replace >1.5 gpf)

88-100% savings with additional improvements to maintenance and hygiene.

Rotating Spray Head Nozzles



\$4 REBATE per nozzle (25 minimum - no maximum. Pressure regulator not required)

Can save up to 6,600 gallons per nozzle over 5-year period.

*gpf = gallons per flush

Turn page for more rebates! →

RESERVATIONS REQUIRED PRIOR TO PURCHASE!

Visit www.mwdsaveabuck.com or call 1-877-728-2282 for more information

Commercial, Institutional, and Industrial Customers Water Conservation Rebate Programs (continued)

Air-Cooled Ice Machines

\$550 REBATE per machine



Connectionless Food Steamers

\$735 REBATE per compartment

Save an average of 81,500 gallons per year with an estimated 10-year life.

Conductivity Controllers



Cooling Tower Conductivity Controllers

\$925 REBATE per device

Save up to 40% on water costs.



pH Conductivity Controller

\$2,750 REBATE per device

Save water, improve efficiency, reduce sewage and chemical costs.

Pressurized Waterbroom

\$110 REBATE per device

Saves up to 50,000 gallons per year.



High Efficiency Rotary Nozzles

\$15 REBATE per set (8 minimum)

Up to 6.5% annual water savings.



Dry Vacuum Pump

\$245 REBATE per 0.5HP (maximum 2.0HP)

Eliminates water use, saves energy.



RESERVATIONS REQUIRED PRIOR TO PURCHASE!

Visit www.mwdsaveabuck.com or call 1-877-728-2282 for more information



Free Landscape Irrigation Evaluation

- ◆ Detailed evaluation of outdoor landscape irrigation system
- ◆ Conducted by certified landscape irrigation auditors
- ◆ To schedule an evaluation, please call Chino Basin Water Conservation District at (909) 267-3224 or Monte Vista Water District at (909) 267-2116



High Efficiency Toilet Installation Program

- ◆ Installation of residential high efficiency toilets for nominal fee per toilet
- ◆ **\$60 for single-family homes and condominiums, \$40 for apartments**
- ◆ Must replace toilets that are 3.5 gallons per flush or more
- ◆ To participate or for more information, call Bottom Line Utility Solutions at (800) 597-2835 or Monte Vista Water District at (909) 267-2116

Thank you for doing your part to conserve our precious water resources!

July 2011