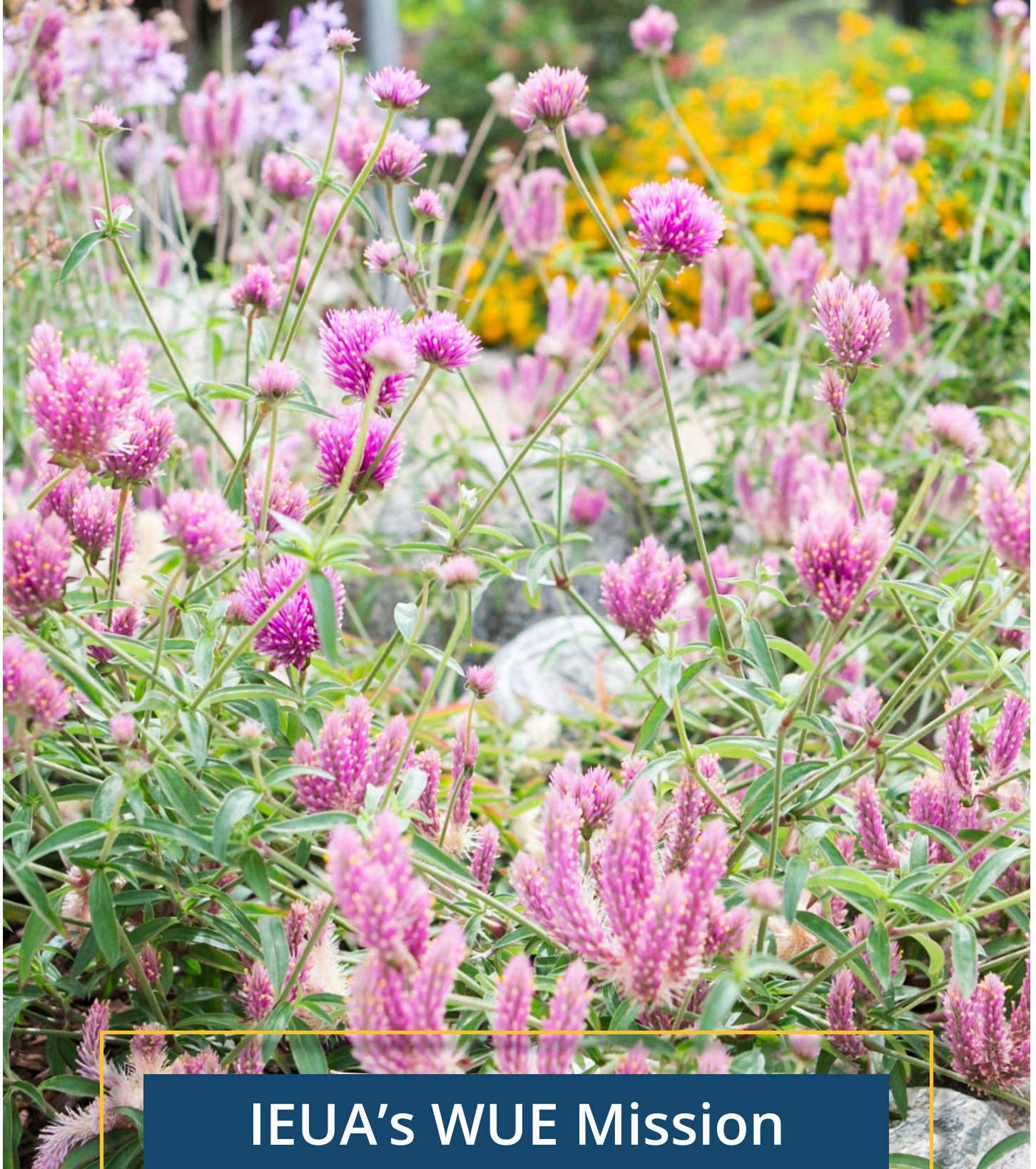




Regional Water Use Efficiency **PROGRAMS REPORT**

Fiscal Year 2021–2022

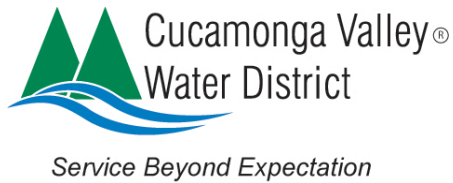


IEUA's WUE Mission

IEUA is committed to investing in our water supply for today and tomorrow through fiscal responsibility, efficient business practices, water supply management, and environmental stewardship.

Customer Agencies

of Inland Empire Utilities Agency



Letter from Shivaji Deshmukh, General Manager



Shivaji Deshmukh, P.E.
General Manager

Between 2020 and 2022, California experienced the driest three-year period, breaking the old record set by the previous 2013-2015 drought, presenting the greater water community with new challenges.

Our region's drought resilience has been greatly improved by the ongoing water-use efficiency programs undertaken to date by the Inland Empire Utilities Agency (IEUA/Agency) in partnership with its customer agencies. Our region has reduced per capita water by an impressive 38% since 2009 – a great accomplishment.

This Annual Report captures all activities deployed during fiscal year (FY) 2021-22, adding to a historical database of all water-saving measures implemented since the Program's inception in FY 2002-03. This report also tracks progress toward regional goals and objectives outlined in IEUA's two-year WUE Business Plan (FY 2022-23 to 2023-24) and the 2020 Urban Water Management Plan.

During this fiscal year, IEUA invested \$1.4 million towards Water Use Efficiency (WUE) programs which are estimated to deliver a lifetime water savings of 3,488 acre-feet. IEUA received a grant reimbursement of \$712K from a DWR-SAWPA, IRWM Proposition 1, Round 1 – Landscape Rebate Program reducing overall program expenses to \$704K at a cost of \$202 per acre-foot of water saved (IEUA only). In FY 2021-22, more than 4,500 water-saving technologies and services were deployed throughout the service area, resulting in an annual savings of 451 acre-feet. This accomplishment was achieved through a combination of external partners and grant funding.

As we look to the future, 2023 marks the year when new WUE regulatory requirements stemming from California legislation, SB606 and AB1668, go into effect. IEUA and its customer agencies have a long history of working collaboratively on crafting strategies, practices, and programs to adjust to new conditions, and we will continue to do so. We are grateful to organizations such as the Metropolitan Water District of Southern California, the California Department of Water Resources, the United States Bureau of Reclamation, and other public/private partnerships for their financial support of these programs.

As we adapt to drought and regulatory challenges, IEUA is committed to providing a suite of WUE programs that deliver everyday water savings, beautify our neighborhoods, and assist in making our communities more drought resilient.

Shivaji Deshmukh, P.E.

Highlights of the Year

July 1, 2021 to June 30, 2022

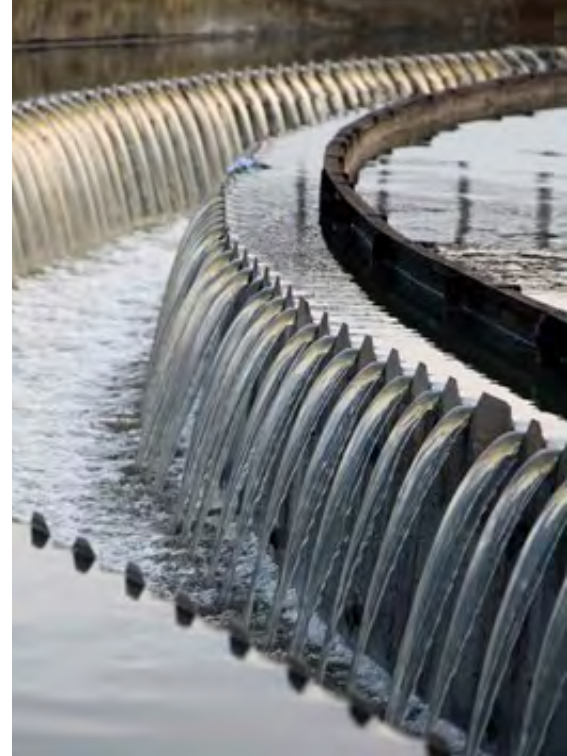
Over the past fiscal year, the Customer Agencies and IEUA spent approximately six months developing a new regional WUE program model that will: 1) Preserve the regional program's focus on achieving verifiable water savings; 2) Provide Customer Agencies greater program selection flexibility; 3) Establish an equitable distribution of program funding among Customer Agencies; 4) Provide greater transparency and accountability; and 5) Leverage additional program funding from outside agencies

This new program model resulted in the creation of Customer Agency Flex forms to plan agency-specific programming for the next fiscal year.

Three new WUE committees were formed to work on regional initiatives that include Accountability (creating a new statistics dashboard), New Programs (identifying new opportunities), and Advocacy (championing common interests).

Multiple grant funding applications were prepared and submitted to opportunities under the WaterSMART Grants: Water and Energy Efficiency program, the SAWPA OWOW Proposition 1 Round 2 solicitation, among others (Large Landscape Concierge and Landscape Enhancement WUE programs).

On behalf of and in partnership with customer agencies, IEUA continues to offer a suite of programs, support services, and educational curricula in FY 2021-22, including:



IEUA WUE staff provides a range of services to support regional WUE activities, including:

Program planning, performance tracking and evaluation.

Cost-efficient centralized administration.

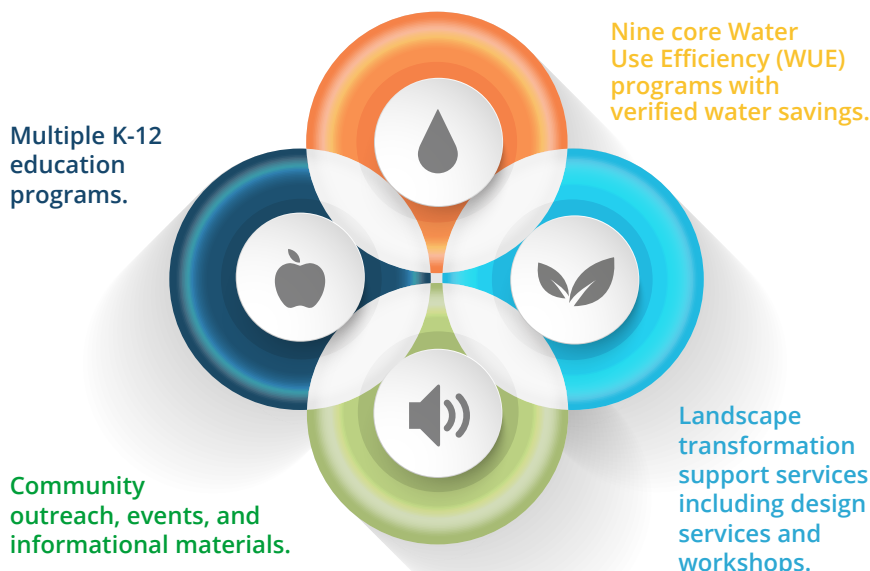
Procurement economies of scale for devices and vendor services.

Regional programs grant writing and procurement.

Vendor solicitation and contract management.

Budget management.

Legislative and regulatory compliance support.



Key Accomplishments

The accomplishments below represent the fiscal year 2021-22 successes of IEUA and its Customer Agencies:

Annual savings of 451 acre-feet and lifetime savings of 3,448 acre-feet

Cost-effective water savings: 2-year payback at \$202 per acre-foot cost (IEUA Only)

Leveraged \$1 million in external partner funding

Secured \$712,514 in grant reimbursements

Replaced 259,575 sq. ft of turf with climate-appropriate alternatives

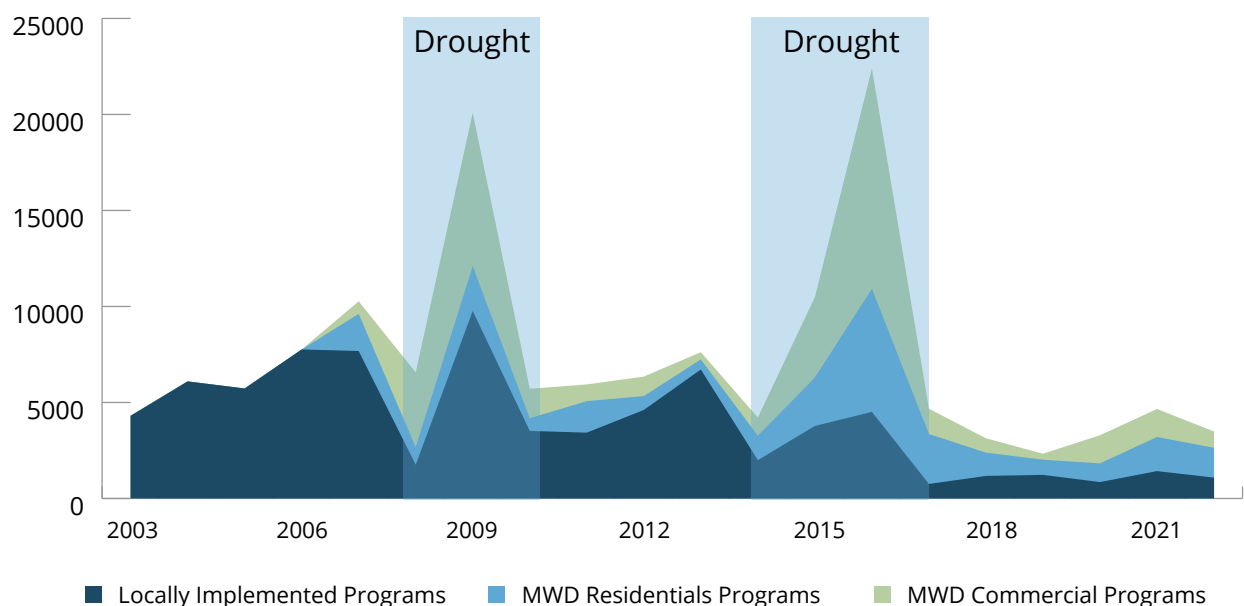
Deployed 11,551 HE Nozzles and 1,591 Smart Controllers through direct installs and rebates

Achieved three winning entries for the 2022 Inland Empire Landscape Contest

Developed a new WUE Program Business Model in partnership with Customer Retail Agencies, for implementation in FY 2022-23

The following chart shows all active water savings incurred between FY 2002-03 and FY 2021-22. In the following graph, water savings are recorded through the expected lifetime of each deployed measure. The Region continues to benefit from savings from WUE measures implemented many years ago. The chart breaks down active savings by IEUA's Locally Implemented Programs and Metropolitan Water District's (MWD) Residential, Commercial, Industrial, and Institutional rebates.

**Total IEUA Lifetime Water Savings
FY 2002-03 through FY 2021-22**



FY 2021-22 WUE Program Water Savings

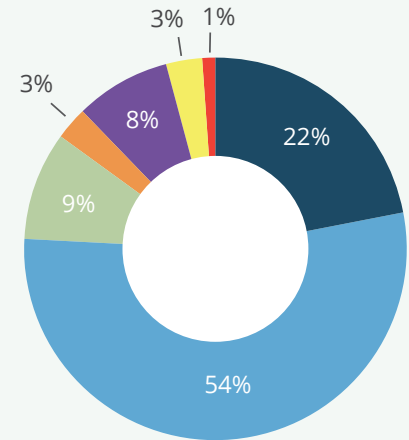
There were nine WUE programs with verifiable water savings.

These specific programs saved 451 acre-feet annually and 3,488 acre-feet over the life of the measures implemented.

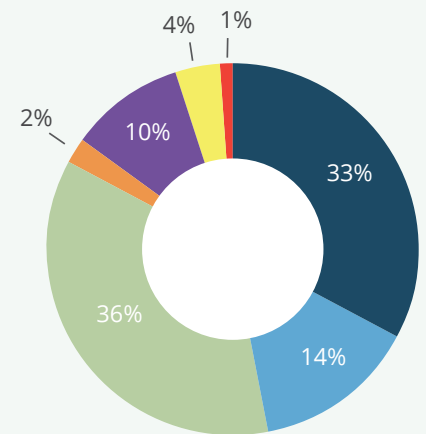
Sprinkler Tune-Ups represented 54% of the annual savings, while Turf Replacement Rebates represented 36% of the lifetime savings. Below are the annual and lifetime water savings for each Program.

Program	Annual Savings (AF)	Lifetime Savings (AF)
SoCal WaterSmart Device Rebates	97	1,147
Sprinkler Tune-Ups	245	490
Turf Replacement	42	1,253
Landscape Audit & Evaluations	14	69
Smart Controller Upgrades	35	347
Large Landscape Retrofits	13	125
Leak Detection Pilot Program	.2	2
Pressure Regulation	5	52
Customer Agency Programs	.2	1
Total	451	3,488

Annual Water Savings by Program



Lifetime Water Savings by Program

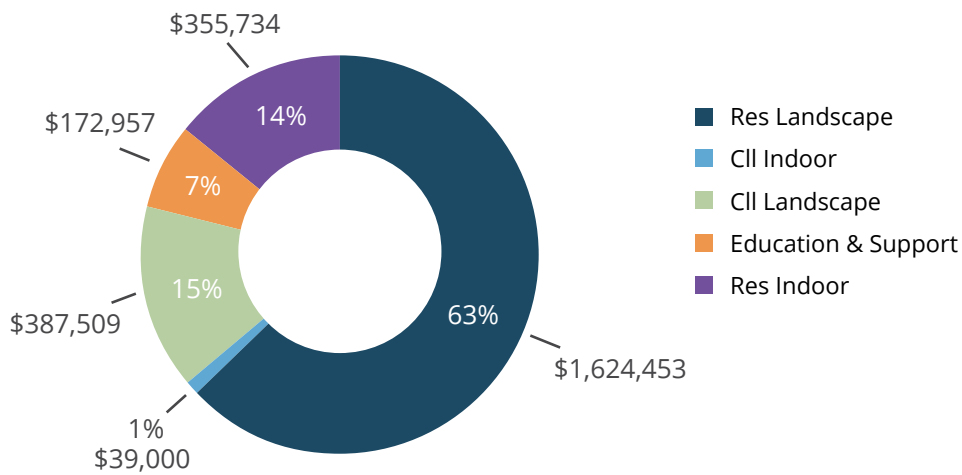


- SoCal WaterSmart Rebates
- Sprinkler Tune-Ups
- Turf Replacement
- Landscape Audit & Evaluations
- Smart Controller Upgrades
- Large Landscape Retrofits
- Leak Detection Pilot Program (0%)
- Customer Agency Programs (0%)
- Pressure Regulation

FY 2021-22 WUE Program Cost / Benefit

The total cost of the FY 2021-22 WUE programs was \$2.4 Million (IEUA + MWD + Customer Agencies + Program Partners). IEUA secured \$712,514 in grant reimbursement from the DWR-SAWPA-MWDOC Proposition 1, Round 1 - Landscape Rebate Program. The funding source significantly decreased the total cost of the WUE Program portfolio to \$1.7 Million, of which IEUA's share was \$704,313 for water-saving programs that delivered lifetime savings of 3,488 acre-feet at a minimal cost of \$202 per acre-foot. By pooling financial resources, the Partnering Agencies can jointly render a bigger impact on water savings while lowering individual expenses

Program Funding by Sector (Figure 1)



The pie chart on the left represents all program funding by sector with the Residential Landscape programs receiving the largest share. (Figure 1)

With the addition of the Prop 1 Grant, IEUA reduced its share of program costs by

50%

from \$1.4M to \$700K.

Of all the program funding, IEUA secured

58%

from its partnering sources.



Below is a comparison of each core WUE program by funding source, total cost, IEUA payback, and IEUA cost per acre-foot.

Program	Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
SCWS Device Rebates	\$2,210	\$120,416	\$182,053	\$304,679	1.5	\$105
SCWS Turf Rebates	\$26,097	\$242,150	\$488,132	\$756,379	7	\$193
Leak Detection Incentives	\$0	\$514	\$0	\$514	2.8	\$228
Landscape Audit/ Evaluations	\$11,228	\$15,730	\$11,738	\$38,696	1.4	\$230
MA Administered Programs	\$496	\$496	\$0	\$992	2.5	\$417
Sprinkler Tune-Ups	\$0	\$279,065	\$145,800	\$424,865	1.4	\$569
Large Landscape Retrofits	\$0	\$117,401	\$49,485	\$166,886	10.7	\$936
Smart Controller Upgrades	\$0	\$423,247	\$63,280	\$486,527	14.7	\$1,219
Pressure Regulation	\$0	\$217,809	\$9,350	\$227,159	50.7	\$4,198
SAWPA Prop 1 Round 1 Grant	\$0	-\$712,514	\$0	-\$712,514	--	--
Total	\$40,031	\$704,313	\$949,838	\$1,694,181	1.9	\$202

Topping the list of most cost-effective programs is the SoCalWaterSmart.com (SCWS) Rebate Program which provides interventions for indoor and outdoor WUE devices at a total cost per acre-foot of \$105. The second most cost-effective Program is the SoCalWaterSmart.com Turf Rebate Program which costs just \$193 per acre-foot.

In contrast, the Residential Pressure Regulation Program has the highest cost per acre-foot at \$4,198; however, the Program is considered a highly valued customer service program and is only offered to customers who are experiencing issues with high-water pressure exceeding 70 PSI.

In FY 2021-22, IEUA received a grant reimbursement for \$712,514 from the DWR-SAWPA-MWDOC Proposition 1, Round 1 – Landscape Rebate Program. The Grant covered completed activities that included installing weather-based irrigation controllers, high-efficiency sprinkler nozzles, pressure regulators, rain barrels, turf replacement, and more. The reimbursement lowered IEUA's aggregated total cost for all core WUE programs to \$202 per acre-foot.

In addition to the core efficiency programs with active water savings, IEUA funds educational and local agency support programs. These programs and services provide an educational foundation for all WUE efforts. Below is a list of the programs and their associated funding for FY 2020-21.

Program	Outside Funding	IEUA Funding	MWD Funding	Total
Landscape Education and Education				
Landscape Design	\$5,637.50	\$1,578.50	\$902	\$8,118
Landscape Classes	--	\$500	--	\$500
School Education				
National Theatre for Children	--	\$59,960	--	\$59,960
Garden in Every School	--	\$17,205.05	--	\$17,205.05
Customer Agency Local Support & Funding				
WUE Support Tools	--	\$42,000	--	\$42,000
BMP Support Grant	--	\$10,000	--	\$10,000
IE Landscape Contest	--	\$1,418.50	--	\$1,418.50
CALWEP/ AWE Dues	--	\$15,021.33	\$12,931.48	\$27,952.81
Peer2Peer Sponsorship	--	\$1,000	--	\$1,000
Annual WUE Report	--	\$3,803.04	--	\$3,803.04
Garden Soft License	--	\$1,000	--	\$1,000
Total	\$5,637.50	\$153,486.42	\$13,833.48	\$172,957.40

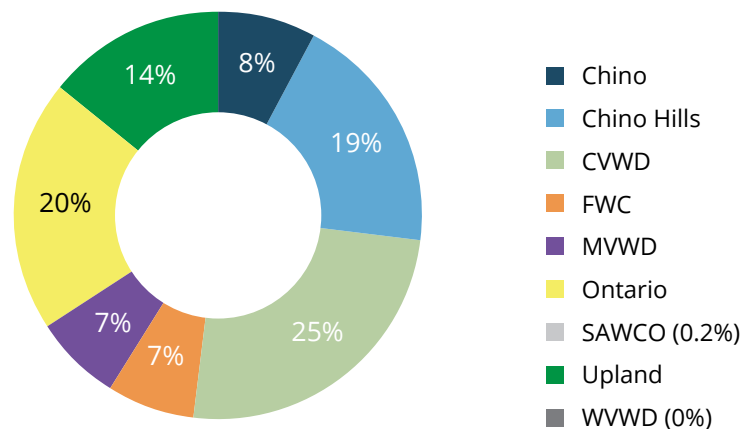


Photo: Landscape Workshop instructed at the Cucamonga Valley Water District.

Customer Agency	Total Activity	Gallons Saved Per Year	AF Saved Per Year	Lifetime AF Saved
The City of Chino	429	11,858,315	36	204
The City of Chino Hills	1,179	28,108,260	86	622
Cucamonga Valley Water District	993	36,040,875	111	1,067
Fontana Water Company	543	9,684,689	30	318
Monte Vista Water District	269	10,852,074	33	279
Ontario Municipal Utilities Co.	699	29,680,722	91	490
San Antonio Water Co.	11	334,276	1	8
The City of Upland	472	20,390,762	63	499
West Valley Water District	0	0	0	0

The chart above shows the program activity and water savings for each Customer Agency. Although a range of devices may be installed, the chart provides an illustrative comparison of performance for each overarching Program. Details on all program activities for each Customer Agency can be found as an appendix item to this report.

Annual Water Saving Percentages by Customer Agency

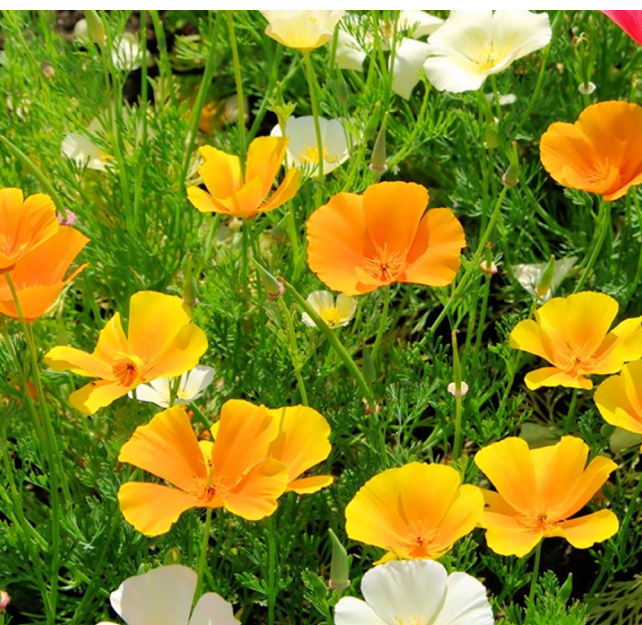


*Program data was obtained through IEUA vendor invoicing, socialwatersmart.com, and Customer Agency funding requests.

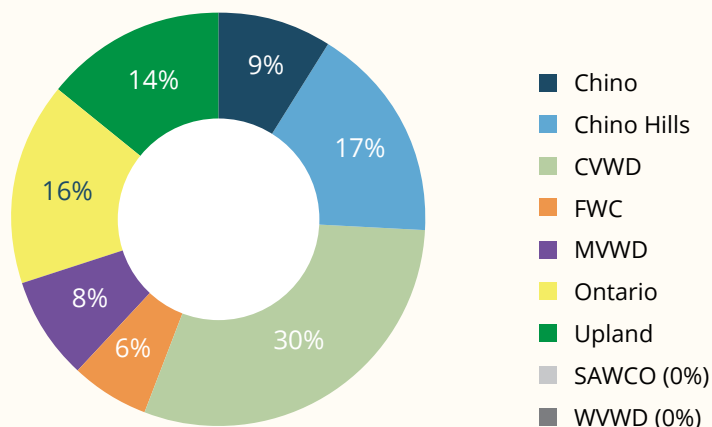
FY 2021-22 Funding Benefits by Customer Agency

The table below illustrates the funding received by each Customer Agency through various water-saving programs. Individual Customer Agency performance can vary for several reasons, including variations in population and customer sectors, customer interests, and demand. Details on program funding, activity, and water savings for each Customer Agency may be found in the appendix of this report.

Customer Agency	Outside Funding	IEUA Funding	MWD Funding	Total
Chino, City of	\$0	\$174,780	\$49,613	\$224,393
Chino Hills, City of	\$2,526	\$263,865	\$139,537	\$405,928
Cucamonga Valley Water District	\$714	\$405,625	\$317,329	\$723,668
Fontana Water Company	\$0	\$86,746	\$64,865	\$151,611
Monte Vista Water District	\$13,087	\$90,562	\$88,977	\$192,625
Ontario Municipal Utilities Co.	\$19,252	\$206,146	\$148,118	\$373,517
San Antonio Water Company	\$0	\$1,065	\$1,135	\$2,200
Upland, City of	\$4,452	\$188,038	\$140,263	\$332,752
West Valley Water District	\$0	\$0	\$0	\$0



Total Funding by Customer Agency



FY 2021-22 Performance Comparison of WUE Business Plan Goals

Every five years, the Customer Agencies and IEUA develop a Regional Water Use Efficiency Business Plan. The Business Plan documents regional water use efficiency targets, goals, and methodologies to achieve water savings, meet current statutes, and comply with evolving State regulations. It was determined by the Customer Agencies that IEUA's existing WUE program model was not equitably fulfilling the needs of all members.

Between September and December 2021, IEUA worked with the Customer Agencies, including their staff and management, to design a new WUE program model for implementation in FY 2022-23. A new Hybrid Model was created that will allocate funding within two categories: 1) Core Programs that are cost-effective, provide benefits equitably to all Customer Agencies, and will comprise 70% of the WUE budget, and 2) Flex Programs allowing Customer Agencies to select and fund activities more specifically aligned to benefit their respective service areas and will comprise 30% of the WUE budget. The retooling of the WUE program ensures Customer Agencies input in the design, equity, flexibility, programming, and cost-effectiveness.

Over the last fiscal year, the WUE program expenditures consumed 98% of the \$1.6M annual budget. While expenses were in line with the budget, the annual water savings goal identified in the 2020 Urban Water Management Plan (UWMP) fell short. The actual annual water savings was 451 acre-feet, compared to the 1,340 acre-feet projected in the 2020 UWMP. While water-saving figures may not be at the most desirable level, the WUE programs continue to be in high demand as customers look for ways to reduce their use. The IEUA reports used in the analysis may be found at www.ieua.org/read-our-reports

Below is a snapshot of the annual WUE program performance:

Measures	UWMP Projections (Units)	FY 2021-22 Actual Activity (Units)	Difference (Units)		
SCWS Device Rebates	5,300	4,881	-419	IEUA Annual Budget	\$1,600,000
Sprinkler Tune-Ups	450	1,057	+607	IEUA Actual Costs	\$1,570,313
SCWS Turf Replacement (Sq. Ft.)	450,000	259,474	-190,526	Difference in Spending Projected vs. Actual Costs	-\$79,387
Landscape Audit & Evaluations	100	148	+48	Projected Annual Water Savings From UWMP	1,340
Smart Controller Upgrades	250	738	+488	Actual Annual Water Savings in FY 2021/22	451
Large Landscape Retrofits	200	194	-6	Difference in savings	-889
Pressure Regulation	50	376	+326		

Looking Forward

In partnership, IEUA and the Customer Agencies have effectively implemented water use efficiency strategies and programs over the past twenty-two years. With climate change and prolonged years of drought, this appears to be the new “norm.”

In addition to climatic challenges, the main focus and initiatives facing water use efficiency are to meet or exceed the new State Water Use Objective and evolving legislative mandates that strengthen water use standards. These looming regulations will require water agencies at all levels to work cohesively at a faster pace to adapt and coordinate in new and innovative ways.

Looking forward, IEUA will plan and assist the Customer Agencies in achieving compliance through the support of numerous regional efforts.



New WUE Program Committees

Three new WUE Program Committees were created in FY 2021-22 to address governance, flexibility, equity, regulatory compliance, supply reliability, and cost. The committees are 1) Accountability, 2) New Programs and 3) Regulatory Advocacy. The Accountability Committee launched Phase I (WUE dashboard development) in March 2022 and concluded in June 2022. The two remaining committees began meeting in July 2022.



Imported Water Allocations

In response to the ongoing drought and the driest three consecutive years recorded in State history, MWD required all State Water Project dependent areas to shift to monthly allocations beginning on June 1, 2022. These allocations are in effect through December 31, 2022 and will be re-evaluated before expiration.

Specifically, IEUA is committed to the following objectives for the upcoming year:

- **Continue to focus on maximizing water savings** and related programs, regardless of dry or wet conditions
- **Support customer agencies in calculating compliance with California’s new Framework legislation** and meet expected standards and requirements imposed by the Framework.
- **Offer a range of water use efficiency programs, ideally providing integrated, multi-resource benefits**, including community and economic development.
- **Continue to leverage outside funding and allocate IEUA** funding for local and regional programs to offset customer agency financial burden.
- **Provide meaningful programs with high value** to motivate customers to participate.
- **Provide valuable marketing, data, and support resources** to strengthen and augment programs and processes.

SoCalWaterSmart Device Rebates

SoCalWaterSmart is Metropolitan Water District’s (MWD) regional rebate program offering incentives for a menu of indoor and outdoor water-saving measures for residential and commercial customers.

The Program is administered by MWD’s regional vendor, Electric & Gas Industries Association (EGIA). MWD pays for the base incentive as well as the administration.

	Annual Savings (AF)	Lifetime Savings (AF)
Residential	77	862
Commercial	6	32
Total	97	1,147



IEUA adds supplemental funding for each device, as shown in the chart to the right.

Why IEUA Implements the SoCal WaterSmart Device Rebate Program

- The majority of funding is provided by MWD.
- Ease of implementation for IEUA and its Customer Agencies.
- Uniform rebates reduce customer confusion regarding the availability of rebates in their specific area.
- The Program serves as a resource to reduce water use and introduce customers to water efficiency programs.

SoCal WaterSmart Device Rebate Program FY 2021-22 Accomplishments



4,881
devices rebated



Over **1,500**
customers serviced
through the program

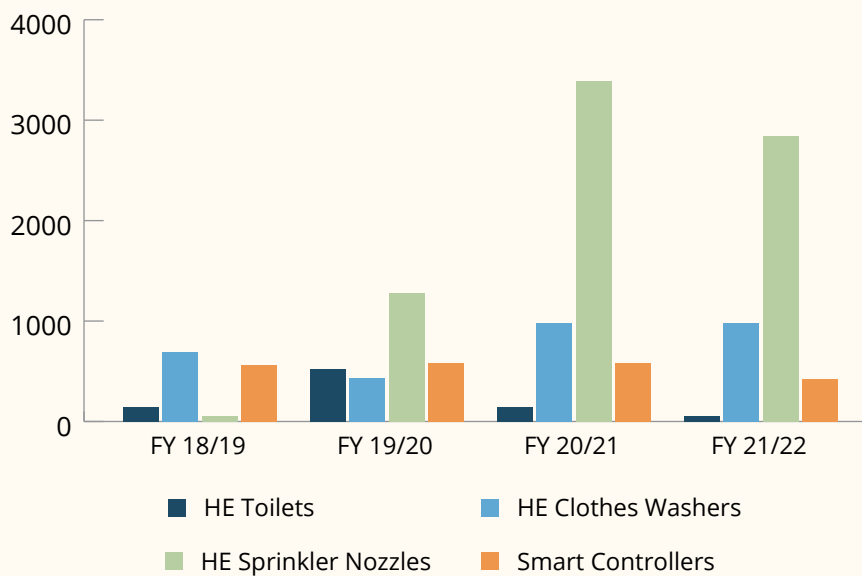
Residential Measures	Base Incentive	IEUA Added Incentive	Total Incentive
High-Efficiency Clothes Washers	\$85	\$75	\$160
Premium High-Efficiency Toilets	\$40	\$60	\$100
Flow Monitoring Devices	\$100	\$60	\$160
High-Efficiency Sprinkler Nozzles	\$2	\$3	\$5
WBICS & SMSS (Sites < one acre)	\$80	\$80	\$160
WBICS & SMSS Per Station (Sites > one acre)	\$35	\$15	\$50
Hose Bib Irrigation Controllers	\$35	\$0	\$35
Rain Barrels	\$35	\$0	\$35
Cisterns (200-500 gallons)	\$250	\$0	\$250
Cisterns (501-999 gallons)	\$300	\$0	\$300
Cisterns (1000+ gallons)	\$350	\$0	\$350
Commercial Measures	Base Incentive	IEUA Added Incentive	Total Incentive
Plumbing Flow Control Valves	\$5	\$5	\$10
Laminar Flow Restrictors	\$10	\$10	\$20
High-Efficiency Toilets	\$40	\$60	\$100
Zero-Water Urinals	\$200	\$200	\$400
Ultra-Low Water Urinals	\$200	\$100	\$300
Large Rotary Nozzles (Per Set)	\$13	\$5	\$18
WBICS & SMSS per Station	\$35	\$15	\$50
Central Computer Irrigation System per Station	\$35	\$15	\$50
Hose Bib Irrigation Controllers	\$35	\$0	\$35
High-Efficiency Sprinkler Nozzles	\$2	\$3	\$5
In-stem Flow Regulators	\$1	\$3	\$4
Cooling Tower pH Controllers	\$1,750	\$250	\$2,000
Cooling Tower Conductivity Controllers	\$625	\$125	\$750
Dry Vacuum Pumps (Per 0.5 HP)	\$125	\$50	\$175
Connectionless Food Steamers (Per Compartment)	\$485	\$0	\$485
Ice-Making Machines	\$1,000	\$0	\$1,000

SoCal WaterSmart Device Rebate Program Activity

Residential Device Activity

Before the COVID-19 Pandemic, activity was at a low of 1,476 device rebates in FY 2018-19. Throughout the Pandemic, activity soared to 5,126 device rebates in FY 2020-21. In FY 2021-22, activity trended similarly, with a total of 4,881 device rebates. High-efficiency sprinkler nozzles and clothes washers continue to represent the highest volume of devices rebated. At the same time, most customers reported hearing about the rebates through web ads and in-store displays. In FY 2021-22, rebates for flow monitoring devices were introduced to the region but had minimal activity.

Top Residential Annual Activity by Device - Annual Comparison



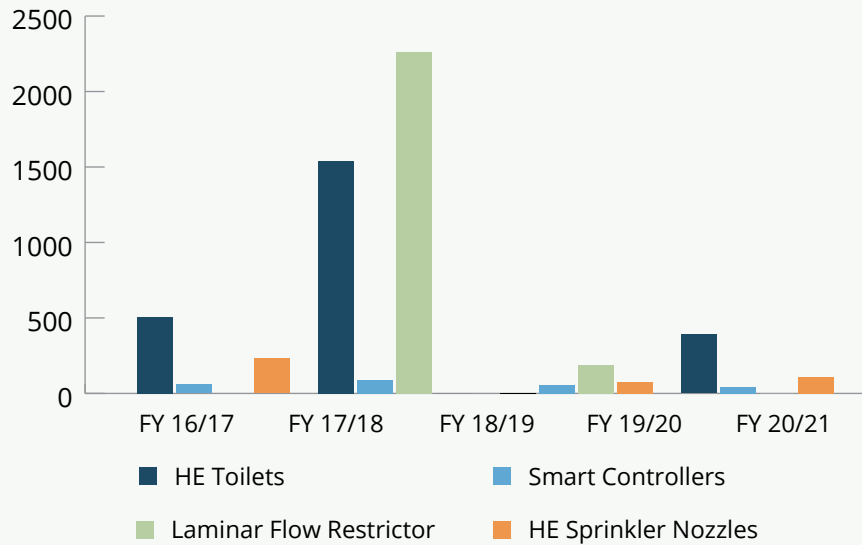
Devices	FY 18-19	FY 19-20	FY 20-21	FY 21-22
HE Toilets	148	521	140	58
HE Clothes Washers	695	429	980	977
HE Sprinkler Nozzles	51	1,275	3,393	2,839
Smart Controllers	562	578	586	424
Hose Bib Controllers	0	0	7	4
Soil Moisture Systems	1	0	0	0
Rain Barrels	15	9	19	10
Cisterns	4	0	1	0
Flow Monitoring Devices	0	0	0	29
TOTAL	1,476	2,812	5,126	4,341



Commercial Device Activity

At the start of the COVID-19 Pandemic, the region's rebate activity was at an all-time high, with 4,248 devices rebated in FY 2019-20; however, interest has significantly decreased to 540 device rebates in FY 2021-22. Premium High-Efficiency Toilets and Controllers represent the highest volume of rebated devices, a change from the previous year's activities. Applicants reported learning about the rebates through salespeople and contractors.

Top Commercial Annual Activity by Device - Annual Comparison



Devices	FY 18-19	FY 19-20	FY 20-21	FY 21-22
High-Efficiency Toilets	506	1,539	1	390
Smart Controllers	59	88	58	40
Laminar Flow Restrictor	0	2,261	191	0
Plumbing Flow Control Valves	547	360	22	0
HE Sprinkler Nozzles	231	0	77	110
Waterless Urinals	0	0	2	0
Computerized Controller	0	0	4	0
Air Cooled Ice Machine	0	0	0	0
Cooling Tower Controller	2	0	0	0
TOTAL	1,345	4,248	355	540

SoCal WaterSmart Device Rebate Program

FY 2021-22 Water Savings

Residential Device Savings

The majority of annual residential water savings came from clothes washers at 34 acre-feet per year with lifetime savings of 472 acre-feet.

	Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
Rain Barrels	6,192	.02	.10
Hose Bib Controllers	23,334	.07	.72
Flow Monitoring Devices	472,555	1	15
High-Efficiency Toilets	464,994	1	29
High-Efficiency Sprinkler Nozzles	4,022,258	12	62
Smart Controllers	5,800,564	18	178
High-Efficiency Clothes Washers	10,984,948	34	472
Total	21,774,845	67	755

Commercial Device Savings

The majority of annual water savings for commercial devices came from smart weather-based irrigation controllers at 30 acre-feet per year with lifetime savings of 392 acre-feet.

	Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
High-Efficiency Sprinkler Nozzles	157,736	.4	.2
High-Efficiency Toilets	3,126,685	10	192
Smart Controllers	6,440,305	20	198
Total	9,724,726	30	392



SoCal WaterSmart Device Rebate Program FY 2021-22 Cost - Benefit

The residential and commercial SoCal WaterSmart Device Rebate Programs are the most cost-effective programs for IEUA. The residential program comes in at \$106 per acre-foot, and the commercial program at \$103 per acre-foot with a combined cost of \$105 per acre-foot, well below IEUA's avoided costs.



Residential Device Cost and Cost Effectiveness

	Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)	Annual Savings (GPY)	Annual Savings (AF)	Annual Savings (AF)
Rain Barrels	\$0	\$0	\$350	\$350	0	\$0
Hose Bib Controllers	\$0	\$0	\$140	\$140	0	\$0
High-Efficiency Clothes Washers	\$2,210	\$32,400	\$83,045	\$117,655	1.2	\$69
Flow Monitoring Devices	\$0	\$1,729	\$2,877	\$4,606	1.4	\$119
High-Efficiency Toilets	\$0	\$3,480	\$2,320	\$5,800	2.9	\$122
High-Efficiency Sprinkler Nozzles	\$0	\$8,517	\$5,640	\$14,157	0.8	\$138
Smart Controllers	\$0	\$34,000	\$33,220	\$67,220	2.2	\$187
	\$2,210	\$80,126	\$127,593	\$209,928	1.4	\$106

Commercial Device Cost and Cost Effectiveness

	Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
Smart Controllers	\$0	\$16,560	\$38,640	\$55,200	1	\$84
High-Efficiency Toilets	\$0	\$23,400	\$15,600	\$39,000	2.9	\$122
High-Efficiency Sprinkler Nozzles	\$0	\$330	\$220	\$550	0.8	\$136
	\$0	\$40,290	\$54,460	\$94,750	1.6	\$103



SoCal WaterSmart Potential Program Enhancements

Ease of participation, knowledge about rebates, and motivation to install new projects pose barriers to program implementation. Recommendations for addressing these barriers include:

- Continue to add funding to priority measures, specifically irrigation measures, including smart controllers and high-efficiency sprinkler nozzles.
- Conduct more outreach and marketing targeting large landscape properties and top users.
- Provide the Customer Agencies with detailed dashboard reports to actively track area-specific rebate activities and participation.



*Device rebate data was obtained through socialwatersmart.com.

SoCal WaterSmart Turf Replacement

The Turf Replacement Program encourages customers to remove high water-consuming turf and replace it with low water-using, regionally appropriate plants and surfaces that allow for groundwater infiltration and elimination of runoff. Qualifying applicants can receive \$3 per square foot of turfgrass removed. Select Customer Agencies offer additional turf incentives beyond \$3 per sq. ft. based on the availability of funds.

Long-term market transformation program

66%

of funding from MWD

Turf Replacement Program Highlights FY 2021-22

	New Apps Submitted	Apps Completed
Residential	321	82
Commercial	12	5
Total	333	87



Why IEUA Implements the Turf Replacement Program

Hundreds of thousands of square feet of irrigated turf in the IEUA region represent a significant opportunity for water savings.



Removing turf provides long-term savings over 30 years.

Replacing turf with regionally appropriate plants also aids in transforming the irrigation and landscaping market.

Turf Replacement Program FY 2021-22 Accomplishments

In response to the Governor's drought order, the Program yielded a 440% increase of activity in May and June 2022 compared to May and June 2021.

Turf Replacement Program Activity

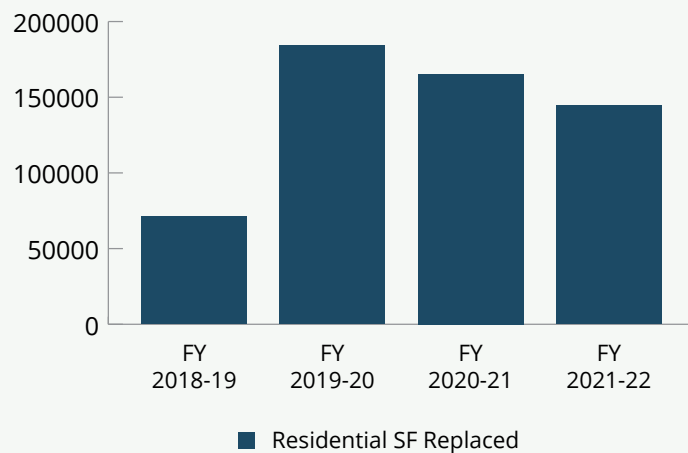
The Turf Replacement Rebate Program was relaunched in FY 2018-19 and reached high levels of activity during the heart of the COVID-19 Pandemic. Participants would apply and complete their projects during the Governor’s Stay-At-Home Order. As the State began to open up in FY 2021-22, project completions decreased, especially in the Commercial sector. However, in May and June 2022, much like the greater MWD service area, the IEUA region experienced a tremendous influx of new turf rebate applications. The increased activity was a result of drought response and expanded marketing of the Program. Around this time, MWD announced they would grant extensions for all Turf applications so that the installation of new project plants may be completed in the cooler months of Fall 2022. Applications were extended from 180-day completion deadlines to one full year, which may delay project completions until late FY 2022-23.

Below is a chart displaying residential and commercial activity in the Turf Replacement Program over the last four years

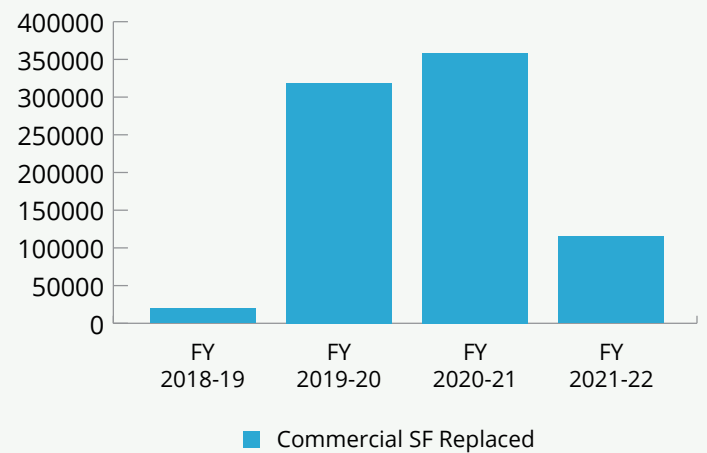
	Residential SF Replaced	Commercial SF Replaced	Total SF Replaced
FY 2021-22	144,402	115,173	259,575
FY 2020-21	165,414	358,828	524,242
FY 2019-20	184,286	318,778	503,064
FY 2018-19	71,257	19,801	91,058



Annual Residential Sq. Ft.



Annual Commercial Sq. Ft.



Turf Replacement Program FY 2021-22 Water Savings

	Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
Residential	8,664,120	27	798
Commercial	4,952,439	15	456
Total	13,616,559	42	1,253

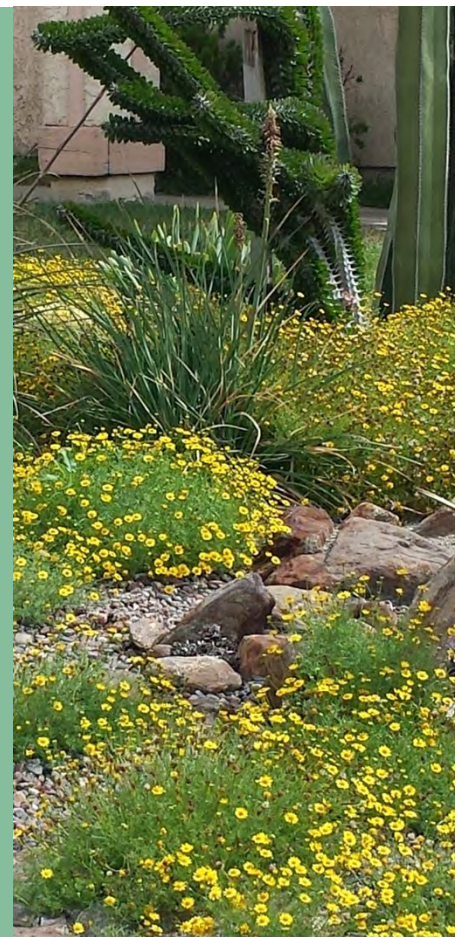
Turf Replacement Program FY 2021-22 Cost / Benefit

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$26,097	\$242,150	\$488,132	\$756,379	7	\$193

Turf Replacement Potential Program Enhancements

Ease of participation, knowledge about rebates, and motivation to install new projects pose barriers to program implementation. Recommendations for addressing these barriers include:

- Continue to add funding to priority measures, specifically irrigation measures, including smart controllers and high-efficiency sprinkler nozzles.
- Conduct more outreach and marketing targeting large landscape properties and top users.
- Provide the Customer Agencies with detailed dashboard reports to actively track area-specific rebate activities and participation.



*Turf Replacement rebate data was obtained through socalwatersmart.com.

Sprinkler Tune-up Program

The Sprinkler Tune-Up Program provides customers with no-cost landscape irrigation system services that include the following:

- Landscape evaluation and irrigation audit.
- Replacing and adjusting sprinkler heads and nozzles.
- Repairing valves and bad wiring.
- Maintaining drip irrigation equipment.
- Servicing irrigation line repairs.
- Controller programming and scheduling.



Initially implemented in FY 2019-20, the Sprinkler Tune-up Program evolved into IEUA's most popular water use efficiency program. In FY 2021-22, the program's scope of work was adjusted to provide sites larger than 0.25 acres with the replacement of up to 25 nozzles. The Program's budget was increased in response to the drought and to serve more customers in the service area.

Tune-up Program Highlights FY 2021-22

Sites Serviced	Nozzles Replaced	Valves Repaired	Lateral Breaks Repaired	Drip Emitters Replaced	IEUA Cost per Acre-foot
1,057	8,321	699	266	218	\$193

Why IEUA implements the Sprinkler Tune-up Program

- Nearly all irrigation systems need some repairs.
- Before efficiency upgrades can be made, repairs are necessary to ensure new products will work as designed.
- Measures are deployed by professional contractors to ensure quality installations and maximize water savings.
- Program participation increases customer education and knowledge about smart controllers, high-efficiency nozzle installations, and recommended repairs.
- Customers become more connected with their landscape and irrigation systems and bring more mindfulness to their irrigation practices.

Sprinkler Tune-up Program FY 2021-22 Accomplishments

- Over 1,000 sites serviced
- 55% increase in nozzles replaced
- 49% increase in valves repaired



Sprinkler Tune-up Program Activity

The Sprinkler Tune-up Program continues to yield high levels of activity as a result of improved marketing by the Customer Agencies and an increase in the program's budget.

Sprinkler Tune-up Program FY 2021-22 Water Savings

Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
79,918,502	245	490

	Tune-up Sites
FY 2021-22	1,057
FY 2020-21	1,153
FY 2019-20	450
FY 2018-19	163

Sprinkler Tune-up Program FY 2021-22 Cost / Benefit

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$0	\$279,065	\$145,800	\$424,865	1.4	\$569

Sprinkler Tune-up Program Potential Enhancements

Consumers often neglect landscape irrigation systems until they have a problem. By encouraging preventative maintenance, the Sprinkler Tune-up Program fills a void with expert help and often empowers customers to pay more attention to their systems. Recommendations to improve this Program are:



Consider targeting high water users to improve cost-effectiveness.



Continue participating in the Metropolitan-sponsored study to analyze the savings per site repair and the duration of those savings, and modify program services based upon findings.



*Tune-up Program data was obtained through IEUA vendor invoicing.

Small Controller Upgrade Program

The Small Controller Upgrade Program offers customers no-cost installation of smart controllers that use real-time weather data to adjust the watering frequency. To participate, customers must complete an online supplemental video assessment. The video provides an overview of the Program and technology.

Small Program Highlights FY 2021-22

Sites Served	Controllers Installed	Active Stations
738	839	3,806

Why IEUA Implements the Small Controller Upgrade Program

- Single-family properties with irrigated landscapes typically have sprinkler controllers and spray heads, but most do not have the latest smart irrigation technologies that prevent overwatering.
- A significant number of smaller lots within the service area need upgrades.
- Customers want to upgrade their sprinkler systems with the proven technology of smart controllers.
- Professional contractors install the units, ensuring the quality of the work and initial programming.



- ✓ Customer's value smart controllers with remote access.
- ✓ Customers receive an irrigation evaluation



Small Controller Upgrade Program FY 2021-22 Accomplishments

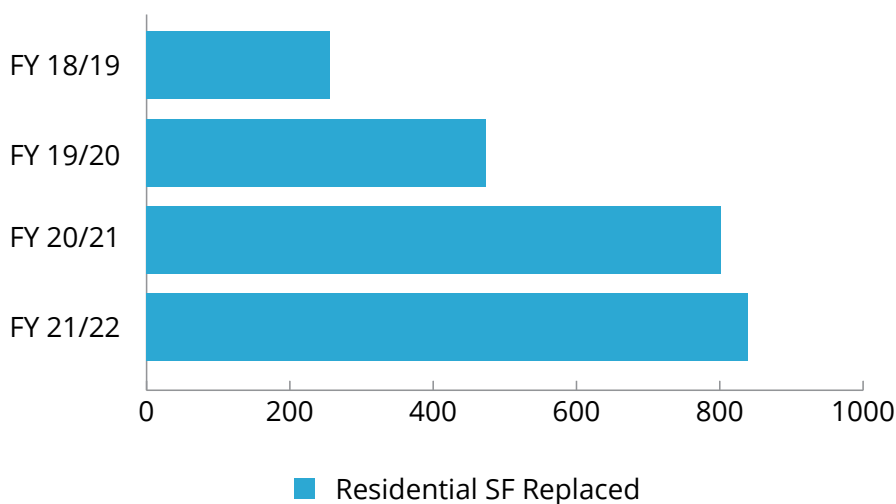
IEUA secured SAWPA Integrated Regional Water Management Proposition 1, Round 1 Grant Funding of \$712,514 for measures included in the Small Controller Upgrade Program, among other WUE Programs.



Small Controller Upgrade Program Activity

Steady increase in activities through the years, despite the COVID-19 Pandemic.

Smart Controller Installations - Annual Comparison



Small Controller Upgrade Program FY 2021-22 Water Savings

Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
11,320,006	35	347

Small Controller Upgrade Program FY 2021-22 Cost / Benefit

The Small Controller Upgrade Program is one of IEUA's more expensive programs. The per-unit water savings for controllers at smaller properties is much lower than in larger landscapes, thus driving the cost-effectiveness down. However, combined with the required online workshop video and quiz, the program is an effective resource for participants to decrease their water bills and engage them in water efficiency best practices.

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$0	\$423,247	\$63,280	\$486,527	14.7	\$1,219



Small Controller Upgrade Potential Program Enhancements

The Small Controller Upgrade Program draws customers motivated to save water through technology and upgrade their irrigation system. However, the Program for smaller properties is not as cost-effective as other programs. Following are some recommendations for consideration:



Target customers who exceed their water budgets or have high water usage. This is one way to increase cost-effectiveness rather than reaching out to the entire service area.

*Small Controller Upgrade Program data was obtained through IEUA vendor invoicing.

Large Landscape Retrofit Program

With its goal of reducing outdoor water use among top water users and properties with extensive landscapes, the Large Landscape Program provides a no-cost installation of smart irrigation devices such as smart controllers and high-efficiency sprinkler nozzles to eligible customers. The Program targets customers with a quarter acre or more of an irrigated area or water usage of over 450,000 gallons per year per household.

Large Program Highlights FY 2021-22

Sites Serviced	Controllers Installed	Nozzles Installed	Active Stations
194	288	281	1,897

Why IEUA Implements the Large Landscape Retrofit Program



Large landscape properties with very high outdoor water use present the best opportunities for the greatest water savings due to their expansive acreage of irrigated lawns and gardens.



Properties with large irrigated areas typically have sprinkler controllers and spray heads, but most do not have the latest smart irrigation technologies.




The smart cloud-based irrigation controller appeals to customers.



Effective installations and programming are assured through professional installation.

Large Landscape Retrofit Program FY 2021-22 Accomplishments



The Program received  30% of its funding from MWD's reimbursements.

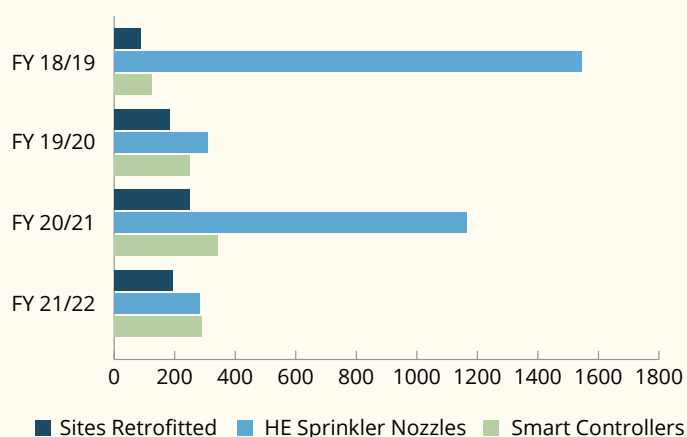


IEUA secured the SAWPA Integrated Regional Water Management Proposition 1, **Round 1 Grant Funding of \$712,514** for measures included in the Large Landscape Retrofit Program, among other WUE Programs.

Large Landscape Retrofit Program Activity

High-Efficiency Nozzle installations were lower in FY 2021-22 than in FY 2020-21. Most nozzle retrofits are captured within the Sprinkler Tune-up Program, explaining the drop in the Large Landscape figures.

Large Landscape Retrofits - Annual Comparison



Large Landscape Retrofit Program FY 2021-22 Cost / Benefit

The Large Landscape Retrofit Program has a higher per acre-foot price than many other IEUA programs; however, it is still below IEUA's avoided cost.

Large Landscape Retrofit Program FY 2021-22 Water Savings

Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
4,288,714	13	125

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$0	\$117,401	\$49,485	\$166,886	10.7	\$936

Large Landscape Retrofit Potential Program Enhancements



Offer virtual checkups to review the controllers' programming and the irrigation system's overall performance to ensure the savings are sustained over time.



Target customers who exceed their water budgets or have high water usage. This is one way to increase cost-effectiveness rather than reaching out to the entire service area.

*Large Landscape Program data was obtained through IEUA vendor invoicing.



Pressure Regulating Valve Program

The Pressure Regulation Valve Program addresses problems caused by excessive water pressure on the customer side of the meter. Pressure Regulating Valves (PRV) are installed at the meter, house, and/or at the connection point for the irrigation system. These valves automatically reduce the high incoming water pressure from water mains to provide a lower, more functional pressure distribution. PRVs ensure that end-use plumbing fixtures and appliances operate at the intended flow rate and reduce the incidence of leaks.



In FY 2022-23, IEUA and its Customer Agencies will enter a new WUE Program Model where Customer Agencies will elect to continue or discontinue PRV Program services in their service areas.

Why IEUA Implements the Pressure Regulating Valve Program



The Program serves as a great customer service tool for the Customer Agencies to deploy for people experiencing high water bills.



Preliminary research indicated many customers' home plumbing systems had leaks and operated above the intended flow rate due to high pressure.

PRV Program Highlights FY 2021-22

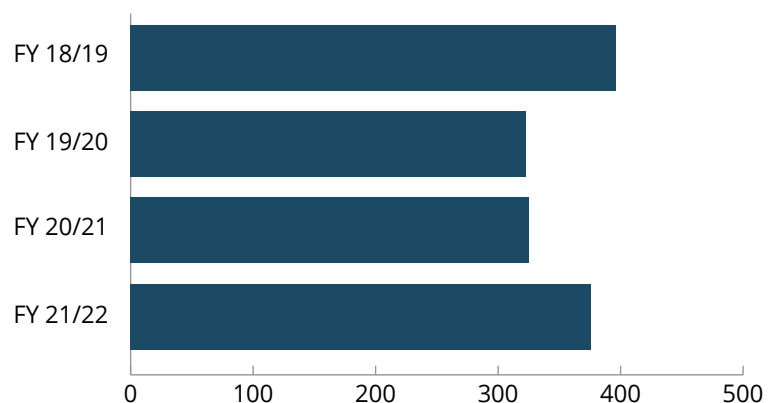
Sites Serviced	Regulators Installed	Repairs	Adjustments
376	310	64	2

Pressure Regulating Valve Program FY 2021-22 Accomplishments and Activity

IEUA secured SAWPA Integrated Regional Water Management Proposition 1 Round 1 Grant Funding of \$712,514 for measures included in the Pressure Regulating Valve Program, among other WUE Programs.

Fiscal Year	Sites Serviced
FY 2018-19	396
FY 2019-20	323
FY 2020-21	325
FY 2021-22	376

Pressure Regulating Valve Annual Activity Comparison



Pressure Regulating Valve Program FY 2021-22 Cost / Benefit

At the cost of \$4,198 per acre-foot and a payback of 50.6, the Pressure Regulation Program is not cost-effective but serves as a customer service resource.

Pressure Regulating Valve Program FY 2021-22 Water Savings

Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
1,691,030	5	52

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$0	\$217,805	\$9,350	\$227,159	50.6	\$4,198

Pressure Regulating Valve Potential Program Enhancements

While a study has shown the Pressure Regulation Program to be less cost-effective than other WUE programs, it still serves as a useful customer service resource for Customer Agencies. Recommendations for the Program are as follows:

Continue to employ the Program to acknowledge its key value as a customer service and educational opportunity.



Leverage customer issues about high-water pressure leading to high water bills to promote other conservation measures.



Target customers in service areas that are prone to high water pressure.



NO-COST PROGRAM WATER PRESSURE REGULATION

- FREE SITE VISIT
- FREE WATER PRESSURE TESTING
- FREE REPLACEMENT OF FAILED PRVS
- SAFEGUARD YOUR HOME APPLIANCES
- PROTECT & PRESERVE YOUR EXISTING PIPES
- THIS IS NOT AN EMERGENCY REPLACEMENT PROGRAM.
- THIS IS A REGIONAL PROGRAM PROVIDED THROUGH CITY OF CHINO TO ITS RESIDENTS.



WHAT IS A PRESSURE REGULATING VALVE?

A Pressure Regulating Valve (PRV) is a plumbing device installed on your water line between the street and your home. It is used to moderate high water pressure for optimal home appliance, pipe, and fixture performance while significantly reducing the likelihood of leaks.

SIGN UP TODAY!

Contact the City of Chino
(909) 334-3472

Leak Detection Pilot Program

*Ease of access to
water use data*

The Leak Detection Pilot Program provided a point of purchase discounts for leak detection monitoring devices. These devices monitor water use, detect anomalies, and alert homeowners of potential leaks. Customers install the device themselves, with setup taking less than 15 minutes. The technology works through a sensor that straps around the existing water meter and reads the magnetic signal from the meter's mechanical register. The system translates this signal to a flow rate in real-time and provides that data to customers via the vendor's smartphone application.

The leak detection devices were valued at \$200 each during the Pilot. IEUA provided a \$160 discount, while the customer paid the remaining \$40 plus shipping and tax. In FY 2021-22, the Metropolitan Water District (MWD) included leak detection devices in the rebates offered on socalwatersmart.com. IEUA concluded its Pilot and transitioned to MWD's rebate model.

Leak Detection Pilot Program Activity

Fiscal Year	Devices
FY 2021-22	3
FY 2020-21	127
FY 2019-20	111



Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)
73,328	0.23	2.25

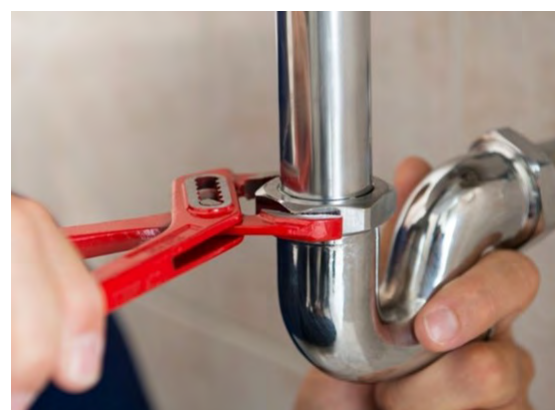
Leak Detection Incentive Program FY 2021-22 Cost / Benefit

The Leak Detection Program is highly cost-effective at \$228 per acre-foot.

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$0	\$514	\$0	\$514	2.8	\$228

Leak Detection Pilot Program Conclusion

The Leak Detection Pilot was implemented over three years in four of the IEUA Customer Agency's service areas. The Program distributed 241 devices with combined annual water savings of 18 acre-feet. IEUA and its Customer Agencies have transitioned to MWD's socalwatersmart.com model, adding \$60 to MWD's base rebate incentive of \$100 for a total rebate of \$160 per device.



*Leak Detection Pilot Program data was obtained through IEUA vendor invoicing.

Landscape Evaluation and Audit Program

The Landscape Evaluation and Audit Program (LEAP) offers customers a no-cost evaluation of their landscape and irrigation system. The Program is provided to residential, commercial, institutional, and industrial customers and is administered through a partnership between IEUA and the Chino Basin Water Conservation District (Public Agency). Participants receive:



- ✓ A complete evaluation of their irrigation system.
- ✓ Recommendations on how to improve the overall efficiency of their irrigation system.
- ✓ Generation of a water budget based on the local evapotranspiration and irrigated landscape area.
- ✓ Water savings tips and information on rebate opportunities.

Why IEUA Implements LEAP

Provides cost-effective water savings and identifies site-specific water-saving opportunities.

Links customers with the most appropriate programs and services.



Establishes a relationship with the customer.

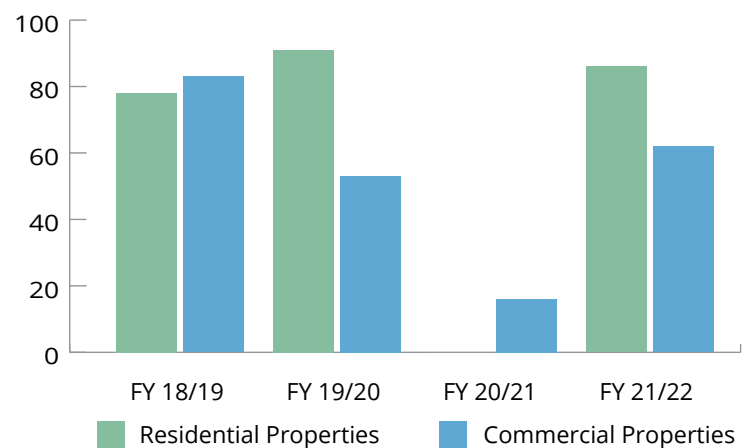
LEAP Accomplishments

- CBWCD shifted LEAP's focus to CII customers to increase program cost-effectiveness and service high-water users.
- Residential customers who were not serviced due to the COVID-19 Pandemic were serviced in FY 2021-22, resulting in a spike in activity.

LEAP Activity

	Residential Audits	Commercial Audits
FY 2021-22	86	62
FY 2020-21	0	16
FY 2019-20	91	53
FY 2018-19	78	83

LEAP Annual Comparison



Although 62 Commercial audits were completed in FY 2021-22, potential savings are listed at zero for all six sites. Some of the conditions at these sites included:

- Irrigating below water budget (two of six sites).
- Irrigating below their water budget for the full site but over-irrigating specific areas for which conservation recommendations were made (two of six sites).
- Mixed indoor/ outdoor meters prevented quantifying potential annual savings (two of six sites). Properties with indoor/outdoor mixed meters cannot have reported potential water savings through the standard program method because historic outdoor water use cannot be calculated and compared to an outdoor water budget.

LEAP FY 2021-22 Water Savings

	Annual Savings (GPY)	Annual Savings (AF)	Lifetime Savings (AF)	Acreage
Residential	4,464,830	14	69	6.46
Commercial	0	0	0	62.75



LEAP FY 2021-22 Water Savings

CBWCD administers the LEAP program at a minimal cost to IEUA. This is because CBWCD receives independent funding through a property tax collected from customers within its service area or “sphere of influence.” Because CBWCD’s service area overlaps with IEUA’s, CBWCD provides LEAP without cost to program participants in the CBWCD service area. CBWCD only invoices IEUA for customers who fall outside of the CBWCD service area.

Outside Funding	IEUA Funding	MWD Funding	Total	IEUA Payback (Years)	IEUA Cost per Acre-foot
\$11,228	\$15,730	\$11,738	\$38,696	1.4	\$230

LEAP Potential Program Enhancements

LEAP provides valuable information and expertise to homeowners, property managers, homeowner associations, institutional managers, and others about efficient water use. Recommendations for this Program include:



Conduct personalized follow-ups to verify that recommendations have been implemented and assist customers in making upgrades, and receiving incentives will help ensure water savings.



Work with customer agencies to identify and target top water users.

*LEAP data was obtained through IEUA vendor invoicing.

Landscape Design Assistance Program



In FY 2021-22, customers received no-cost landscape design services through a collaboration between CBWCD, IEUA, and its Customer Agencies. This service has a market value of approximately \$500.

Participants are required to attend a two-hour “What You Need to Know Before Your Landscape Transformation” class before they are eligible to register for the Landscape Design Assistance Program. The course provides an overview of information homeowners need to know to succeed with a turf replacement project, whether they are doing the work themselves or hiring a contractor.

After attending the class, a CBWCD staff member provides one-on-one consultations with participants. Customers discuss goals for their landscape area and then work with staff to create a computer-generated design for the landscape project.

Following the consultation, CBWCD staff complete the design and create a custom plant list with the names and information about each plant selected for the designed landscape. Customers also receive a list of resources, including sources for plants and other landscape materials.

Why IEUA Implemented the Landscape Design Assistance Program



Customers want and need design support



Without assistance, customers make errors in the design of their irrigation equipment, create runoff, place plants in incorrect locations, and more.

Landscape Design Assistance Program Accomplishments

The Program started in FY 2018-19 and concluded in FY 2021-22. At the time of this Report, 25% of all issued Landscape Designs have been completed since program inception.

Customer Agency	Designs Completed	Designs Issued	Design Sq. Ft.
Chino	5	22	28,536
Chino Hills	12	32	41,651
CVWD	2	25	54,948
FWC	5	14	24,583
MVWD	6	21	33,802
Ontario	12	40	80,768
SAWCo	0	0	0
Upland	5	32	75,172
WWWD	0	0	0
Total	47	186	339,460

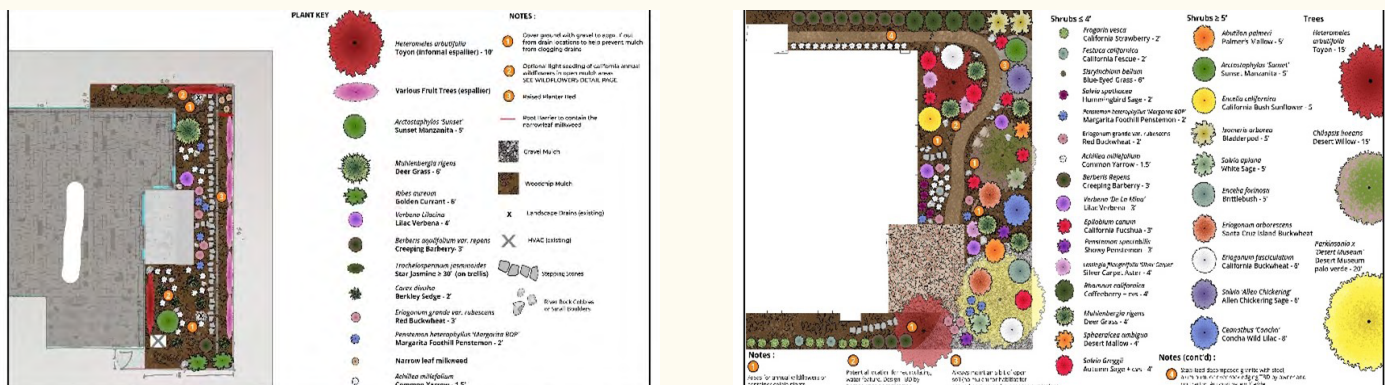
Landscape Design Assistance Program Activity and Costs

Similar to the Landscape Evaluation and Audit Program, CBWCD administers the Landscape Design Assistance Program at a minimal cost to IEUA. CBWCD receives independent funding for those customers in its service area. CBWCD only bills IEUA for customers who fall within the IEUA service area but outside the CBWCD service area. The following are stats from FY 2021-22.

Customer Agency	Designs Issued	Design Sq. Ft.	CBWCD Value	IEUA Cost
Chino	2	3,542	\$451	\$0
Chino Hills	0	0	\$0	\$0
CVWD	11	32,254	\$676.50	\$1,804
FWC	1	549	\$0	\$225.50
MVWD	5	11,340	\$1,127.50	\$0
Ontario	8	17,533	1840	\$0
SAWCo	0	0	\$0	\$0
Upland	9	17,533	\$1,578.50	\$451
WWWD	0	26,328	\$0	\$0
Total	36	91,546	\$5,674.50	\$2,480.50

Landscape Design Assistance Potential Program Update

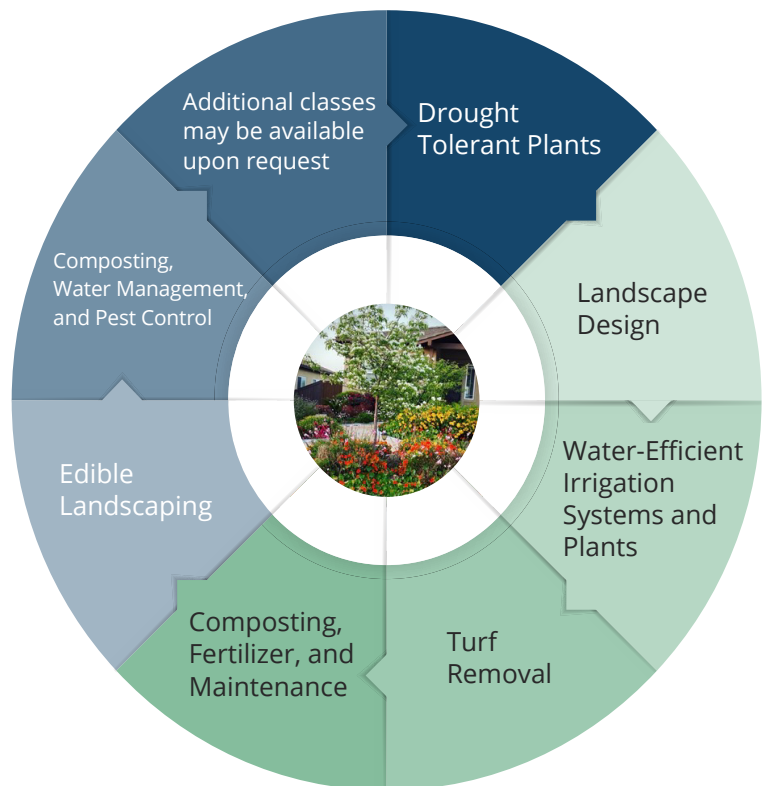
The CBWCD began winding down the Landscape Design Program in Spring 2022 and ended on June 30, 2022. As such, the Program will not continue in FY 2022-23, however, the CBWCD offers a menu of landscape support resource on their website cbwcd.org. Resources include workshop recordings, upcoming workshops, Garden Planner website (inlandvalleygardenplanner.org), and more.



*Landscape Design Program data was obtained through IEUA vendor invoicing.

Landscape Workshops

In this series of courses, residential landscapers learn the latest ways to reduce their property's landscape water usage. The courses cover the basics of efficient irrigation systems, the benefits of properly watering and fertilizing landscaping, landscape design techniques, and plant selections. Workshop topics include:



Landscape Workshop Results

Two workshops were held in FY 2021-22.



Customer Agency	Class Description	Total Classes
Cucamonga Valley Water District	Water Wise Plants and Turf Removal Turf Replacement Rebates and Design	2
	Total	2

Landscape Workshop Potential Enhancements

No-cost workshops bring value to customers and create opportunities to introduce people to a wide range of water efficiencies they may not have considered before. Recommendations for improving these workshops include:

- Introducing additional instructors who may add to the menu of currently offered workshop topics
- More actively promote workshops among customers throughout the service area.



*Landscape Workshop data was obtained through IEUA vendor invoicing.

Locally Funded Programs and Support

In addition to regionally administered programs, funding is provided for local programs, activities, and support tools. These programs include:

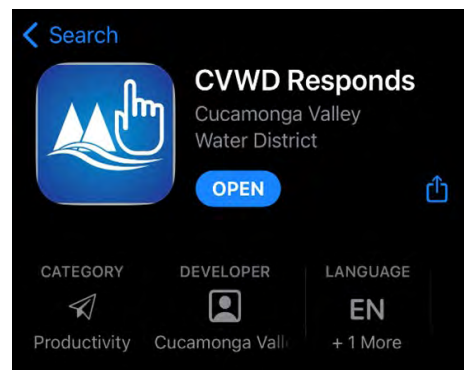
IEUA's Customer Agency Administered Program

The Customer Agency Administered Program provides partial funding for locally implemented WUE projects demonstrating water savings. Proposed projects may not be duplicative of existing regional programs. During FY 2021-22, the Monte Vista Water District implemented its CII Nozzle Retrofit Program, which provided commercial, industrial, institutional, and multi-family sites with a landscape evaluation and direct installation of high-efficiency sprinkler installation nozzles. The Program serviced three sites with 54 nozzles yielding annual water savings of 0.23 acre-feet.



IEUA's WUE Support Tool Program

The Program provides funding for data-oriented or technology-based water use efficiency projects that may be offered regionally or locally. During FY 2021-22, the Cucamonga Valley Water District implemented its Water Usage in Your Hand App. The app delivers water usage information to customers enabling them to see their real-time daily and hourly usage with the option to set leak alerts. The application allows CVWD customers to monitor and limit their usage easily.



CalWEP/AWE Membership

The California Water Efficiency Partnership (CalWEP) and the Alliance for Water Efficiency (AWE) serve as a resource for IEUA and its Customer Agencies. The organizations provide their members with support for innovative programming, public policies, research, training, education, collaborative approaches, and partnerships. CalWEP has developed the "What the Framework" blog, which provides water utilities with an understanding of the State's evolving regulations regarding SB 606/AB 1668 – Making Conservation a California Way of Life. The dues for these memberships are covered in partnership between MWD and IEUA.



On June 1, 2022, CalWEP hosted its Peer-to-Peer conference in Sacramento, CA., with the option for participants to attend virtually. The event included two days of members joining to connect and collaborate over several WUE topics. IEUA was one of the sponsors of the event.



Water Saving Garden Friendly Website

IEUA partnered with the Eastern Municipal Water District, Western Municipal Water District, and San Bernardino Valley Municipal Water District to provide the region with the Water Saving Garden Friendly Website. The tool allows users to explore beautiful, sustainable, climate-appropriate, drought-tolerant plants and trees that thrive in the Inland Empire. With a click of a button, users can add their favorite plants to a private list that can be printed and brought to their favorite nursery.



2022 Inland Empire Landscape Contest


The Inland Empire Landscape Contest is held biennially (even years) in the spring to promote attractive water-wise landscapes. It is sponsored by a consortium of water agencies and related businesses within the Inland Empire and is operated by the Western Municipal Water District of Riverside County, California. Contestants submit photos of their waterwise landscape under their respective contest categories. Up to twelve winners are selected to receive \$500 and the ability to compete in a People's Choice Competition, where the public votes for their favorite landscape via social media platforms. The winner of that competition is featured in the Inland Empire Magazine. Within the IEUA territory, CVWD had three winners announced for the 2022 contest, each from their own respective category, including Flowery/ Butterfly Style, Mediterranean/CA Native Style, and Desert/Succulent Style.

IEUA's Best Management Support Grant

Each year IEUA allocates funding to support Customer Agency specific WUE activities. Each Customer Agency can receive a \$2,000 grant that sponsors various activities, such as special events, customer surveying, purchasing outreach materials, conservation devices, promotional items, and more. Over the last fiscal year, IEUA awarded five grants to Customer Agencies representing \$10,000. Below is a list of the five Customer Agency grants.

Customer Agency	Funding Description	Amount
City of Chino	Conservation Kits and Outreach	\$2,000
City of Chino Hills	HE Clothes Washer Rebates	\$2,000
Cucamonga Valley Water District	Drought Kits, Landscape Books, Toilet Dye Tabs	\$2,000
Monte Vista Water District	Aluminum Water Bottles	\$2,000
Ontario Municipal Utilities Co.	Drought Bill Inserts	\$2,000
Total		\$10,000.00





CALIFORNIA'S DROUGHT

WATER CONSERVATION PLAN: **STAGE 3**

In response to the Governor's drought declaration the City of Ontario has implemented **Stage 3** of the Water Conservation Ordinance.

Some water use restrictions included in **Stage 3** are the following:

- All OMUC Customers are prohibited from irrigating turf or landscape areas more than 4 days a week.
- No person shall irrigate between the hours of 9 AM and 4 PM.
- No water customer shall cause or allow the water to run off landscape areas.
- All customers are prohibited from irrigating during & within 48 hours following measurable rainfall.

TIPS
to reduce water usage

- ☒ **Install High-Efficiency Toilets**
Saves up to 31 Gallons Per Person Each Day
- ☒ **Check your sprinkler system for leaks, overspray and broken sprinkler heads, and repair promptly**
Saves up to 500 Gallons Per Week.
- ☒ **Use a broom instead of a hose to clean driveways and sidewalks**
Saves up to 540 Gallons Each Time
- ☒ **Install a smart sprinkler controller that adjust watering based on weather, soil type, amount of shade and plants**
Saves up to 400 Gallons Per Day
- ☒ **Wash only full loads of laundry and dishes**
Saves up to 540 Gallons Per Week
- ☒ **Fix household leaks promptly**
Saves up to 200 Gallons Per Day
- ☒ **Reduce irrigation cycles by 1-3 minutes**
Saves 15-25 Gallons Per Minute
- ☒ **Put 2 to 4 inches of mulch around bushes, trees and shrubs**
Saves up to 400 Gallons Per Day

The City of Ontario offers a variety of water conservation programs and rebates.

Drought updates and more water conservation information are available at www.OntarioWaterWise.com.

For more questions, please email WaterWise@ontarioca.gov.

*Program data was obtained through program invoicing and Customer Agency funding requests.

School and Education Programs

IEUA also provides regional educational and outreach programs. Current programs include the following:

National Theater for Children

National Theatre for Children (NTC) delivers a behavior-driven, multiplatform, in-school water education curriculum for students and teachers in grade levels K-6. Through live theatre, a student curriculum, and teacher guides, the custom-designed program teaches students about the uses of water, the importance of water, ways to conserve, and ways water gets polluted. In response to the evolving COVID-19 pandemic, NTC offered virtual school performances in FY 2021-22. The live stream performances provided a remote, interactive and safe learning experience while providing digital copies of teacher toolkits and student activities. Over FY 2021-22, NTC conducted 14 live stream performances reaching 52 elementary schools and 20,527 students throughout the IEUA service area.

Teacher Feedback

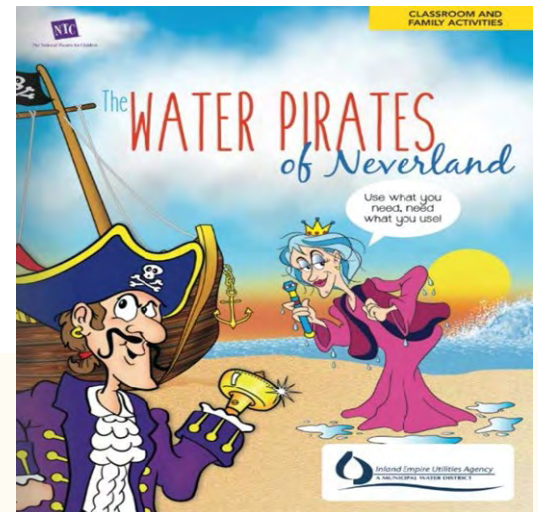
"Thank you for the reminders of ways to save! My students enjoyed it very much from both the educational and the entertainment standpoints. Great Work!" – Chino Hills, CA.

"The program was excellent at teaching my students about water conservation, and the skits were very entertaining! Thank you!" – Fontana, CA.

"My class enjoyed the videos and I was able to add some additional information in class after the video to help understand the concepts." – Rancho Cucamonga, CA.

"The students are still talking about the concepts mentioned in the play and they love the activities in the digital tool kit." – Ontario, CA.

*Program data was obtained through IEUA vendor invoicing.



Customer Agency	Schools	Students
Chino	3	968
Chino Hills	6	2,546
CVWD	12	5,785
Fontana	9	3,405
MVWD	3	698
Ontario	17	5,915
Upland	2	1,210
Total	52	20,527

Garden in Every School

Each year, the Garden in Every School Program (GIES) awards a \$4,500 grant for up to four schools to establish a new water-wise garden or a \$1,000 mini-grant to participating schools to support the sustainability of existing gardens. IEUA staff is currently working on closing out the final projects of the program that were put on hold due to the COVID-19 Pandemic.

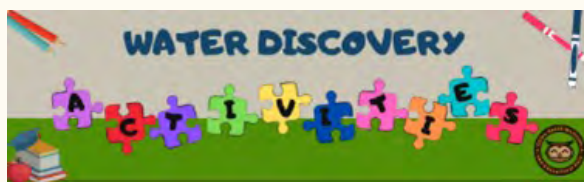
A total of nine schools were awarded mini-grants in FY 2021-22. Each school is provided up to \$1,000 to help restore its garden. The mini-grants are expected to be completed by the end of CY 2022.

IEUA's External Affairs department also worked with Loving Savior of the Hills in Chino Hills and Randall Pepper Elementary in Fontana, two schools whose gardens were put on hold in FY 2020-21. These schools are anticipated to be completed in FY 2022-23.



Water Discovery Field Trip Program

Before the COVID-19 Pandemic, IEUA provided free, educational field trips to schools at the Chino Creek Wetlands and Educational Park to connect students with the environment, promote the public understanding of the value of natural treatment wetlands, explain and show the creation of habitat for endangered/sensitive species, and provide ways to practice environmental stewardship. Due to the Pandemic, IEUA shifted to providing a virtual learning platform.



Owlie's Virtual Adventures is an award-winning program featuring Wally's Water Conservation Camp, virtual field trips, a Water Scout Badge Program, a series of At-Home Activities from our popular Water Discovery Field Trip Program, and how-to videos on YouTube. Each program demonstrates a commitment to educating children about the importance of water resources, water-use efficiency methods, and the environment.



Since the program's inception, approximately 2,000 students have participated in a virtual field trip, and program resources have been accessed over 2,500 times.

FY 2021-22 IEUA's Regional "Water is Life" Student Art/Poster Contest

IEUA hosts its annual "Water is Life" Student Art Poster Contest for grades K-12. The theme "Water is Life" has been used to help students express their creativity while focusing on the importance of water.

In FY 2021-22, IEUA received 41 entries. The top 13 entries were entered in Metropolitan's regional contest. Two winners from IEUA's service area were Ava Salisbury (5th grade-Magnolia Elementary—Upland) and Veronica Graupner (12th grade-Colony High School—Ontario). The winners' artwork will be featured in Metropolitan's 2021-22 "Water is Life" calendar.



Ava Salisbury 5th grade



Veronica Graupner 12th grade

The Solar Cup Competition

Originally held at Metropolitan's Lake Skinner reservoir in Temecula Valley, Solar Cup™ 2022 followed a similar format to Solar Cup™ 2021 due to health precautions related to the COVID-19 Pandemic. The reimagined Solar Cup™ consists of various virtual challenges designed to be completed as a team or individually.



Typically, the program lasts seven months and provides high school students with the opportunity to build, design, and race solar-powered boats. The competition includes writing technical reports, creating social media campaigns, and developing and implementing a strategy to build a boat powered by solar panels, traditionally concluding with a boat racing competition at Lake Skinner.

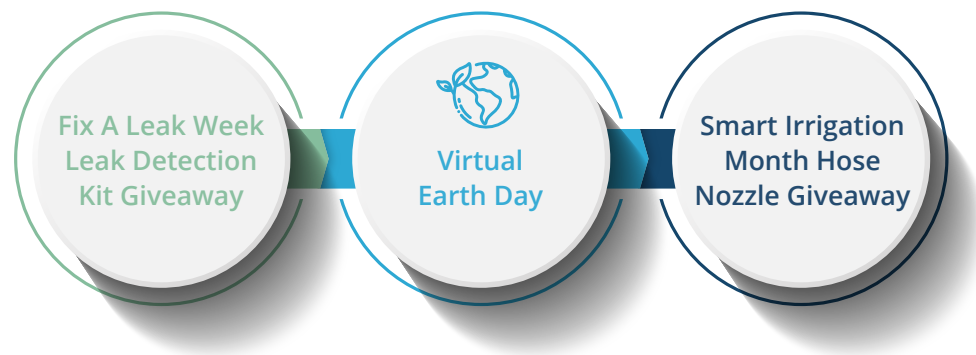
Solar Cup™ 2022 challenges focused on virtual design and development, report writing, webinars, and more. Teams also produced videos with uplifting messages for the public service message portion of the challenge.

IEUA co-sponsored three teams: Chino Hills High School, Colony High School, and Upland High School. The three teams were recognized at Metropolitan Water District's Awards Ceremony in May of 2022, winning 16 awards in total.



Community Outreach

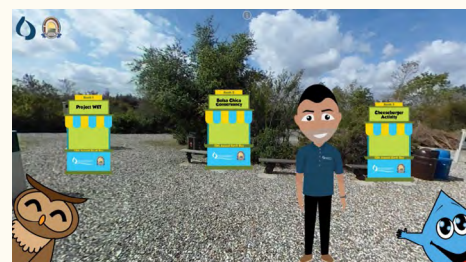
IEUA participated in the following community outreach activities in coordination with member agencies:



Virtual Earth Day

Every year, IEUA and the City of Chino co-host a two-day Earth Day celebration event for students and the community at the Chino Creek Wetlands and Educational Park. Due to the state of the environment and physical distancing requirements put in place from the COVID-19 Pandemic, IEUA and the City of Chino presented the second annual "Virtual Earth Day," a week-long virtual event that provided attendees the opportunity to explore the Chino Creek Wetlands and Educational Park via an interactive and immersive, 360° platform. This platform substituted all aspects of the Agency's usual in-person event as students and members of the community were able to take part in educational activities, navigate through resources provided by external vendors, learn about our environmental resources and how to protect them, enjoy an environmental show, and participate in opportunities for free giveaways.

The convenience of the week-long event was enhanced by its 24/7 accessibility, allowing users to log on and off as their schedules allowed them. The event generated over 8,136 page views and reached over 550 students within one week.



IEUA's Social Media Outreach

Communicating with our customers and community means meeting them where they are. IEUA's social media platforms allow IEUA to provide up-to-the-minute information on events, promote the Agency's functions, news, education programs, drought updates, water-wise tips, park updates, and wildlife facts. IEUA offers these updates via Facebook, YouTube, Twitter, Instagram, LinkedIn, Nextdoor, two educational blogs, and education newsletters. IEUA's blog updates and education newsletters are sent directly to IEUA's subscriber list via email. Both are also accessible on IEUA's website.

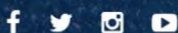


Water Education - Water Awareness Committee

The Water Education - Water Awareness Committee (WEWAC) 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 and scholarship opportunities for educators and students, sponsoring an annual water conservation video contest, and sponsoring a broadcast media digital art contest.



WEWAC
WATER EDUCATION - WATER AWARENESS COMMITTEE



*All IEUA Education and Outreach data was obtained through IEUA Program vendor invoicing and IEUA External Affairs Department reporting.



Appendix A -

Regional Water Use Efficiency Programs
Summary Charts

IEUA Regional Conservation Programs Annual Report

Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	58	464,994	1	29	\$0	\$3,480	\$2,320	\$5,800	2.9
High Efficiency Clothes Washers (HECW)	977	10,984,948	34	472	\$2,210	\$32,400	\$83,045	\$117,655	1.2
Rotating Nozzles for Pop-up Spray Heads (54 Apps/ 2,839 Nozzles)	54	4,022,258	12	62	\$0	\$8,517	\$5,640	\$14,157	0.8
Weather based Irrigation Controllers (WBIC)	352	4,749,276	15	146	\$0	\$28,160	\$27,290	\$55,450	2.3
Weather based Irrigation Controllers for Large Landscapes (16 Stations)	1	93,338	0	3	\$0	\$160	\$250	\$410	0.7
Irrigation Controller + Add on	71	957,950	3	29	\$0	\$5,680	\$5,680	\$11,360	2.3
Hose Bib Controller	4	23,334	0	1	\$0	\$0	\$140	\$140	0.0
Turf Replacement (144,402 sq. ft.)	82	8,664,120	27	798	\$14,077	\$141,977	\$287,786	\$443,840	6.4
Rain Barrels	10	6,192	0	0	\$0	\$0	\$350	\$350	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	28	456,260	1	14	\$0	\$1,669	\$2,777	\$4,446	1.4
Flow Monitor Device on Customer Property	1	16,295	0	1	\$0	\$60	\$100	\$160	1.4
Subtotal	1,638	30,438,966	93	1553	\$16,287	\$222,103	\$415,379	\$653,768	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	1,057	79,918,502	245	490	\$0	\$279,065	\$145,800	\$424,865	1.4
Residential Landscape Retrofit Program (288 WBIC / 281 Nozzles)	194	4,288,714	13	125	\$0	\$117,401	\$49,485	\$166,886	10.7
Res. Education, Survey, and Controller Upgrade Program (839 WBIC)	738	11,320,006	35	347	\$0	\$423,247	\$63,280	\$486,527	14.7
Residential Pressure Regulation Program	376	1,691,030	5	52	\$0	\$217,809	\$9,350	\$227,159	50.6
Leak Detection Pilot Program	3	73,328	0	2	\$0	\$514	\$0	\$514	2.8
Subtotal	2,368	97,291,579	299	1017	\$0	\$1,038,036	\$267,915	\$1,305,951	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	390	3,126,685	10	192	\$0	\$23,400	\$15,600	\$39,000	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (1,104 Stations)	40	6,440,305	20	198	\$0	\$16,560	\$38,640	\$55,200	1.0
Rotating Nozzles for Pop-up Spray Heads (1 App/ 110 Nozzles)	1	157,736	0	2	\$0	\$330	\$220	\$550	0.8
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (115,173 sq. ft.)	5	4,952,439	15	456	\$12,021	\$100,173	\$200,346	\$312,540	7.9
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	436	14,677,165	45	848	\$12,021	\$140,463	\$254,806	\$407,290	
Additional Water Use Efficiency Programming									
CBWCD Residential and Commercial Landscape Evaluation Audit Program	148	4,464,830	14	69	\$11,228	\$15,730	\$11,738	\$38,696	1.4
Customer Agency Implemented - MVWD CII Nozzle Retrofit Program (54 Nozzles)	5	77,434	0	1	\$496	\$496	\$0	\$991	2.5
Subtotal	153	4,542,264	14	70	\$11,724	\$16,226	\$11,738	\$39,687	
DWR-SAWPA-MWDOC IRWM Prop 1 Round 1 Grant									
Regional Landscape Rebate Project Reimbursement	0	0	0	0	\$0	-\$712,514	\$0	-\$712,514	
FINAL TOTAL	4,595	146,949,973	451	3,488	\$40,031	\$704,313	\$949,837	\$1,694,181	

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

IEUA Regional Conservation Programs Annual Report

Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	140	1,122,400	3	69	\$0	\$8,400	\$5,600	\$14,000	2.9
High Efficiency Clothes Washers (HECW)	980	11,018,679	34	473	\$2,610	\$73,500	\$83,300	\$159,410	2.6
Rotating Nozzles for Pop-up Spray Heads (73 Apps/ 3,393 Nozzles)	73	4,865,426	15	75	\$0	\$10,179	\$6,786	\$16,965	0.8
Weather based Irrigation Controllers (WBIC)	586	7,906,464	24	243	\$0	\$46,880	\$46,534	\$93,414	2.3
Hose Bib Controller	7	94,445,820	0	3	\$0	\$0	\$245	\$245	0.0
Turf Replacement (165,414 sq. ft.)	101	9,924,840	30	914	\$17,151	\$165,056	\$327,288	\$509,495	6.5
Rain Barrels	19	11,765	0	0	\$0	\$0	\$665	\$665	0.0
Cisterns	1	2,477	0	0	\$0	\$0	\$300	\$300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	1,153	87,176,946	267	535	\$0	\$250,015	\$172,800	\$422,815	1.1
Residential Landscape Retrofit Program (342 WBIC / 1164 Nozzles)	250	6,283,482	19	168	\$0	\$172,460	\$34,084	\$206,544	10.8
Res. Education, Survey, and Controller Upgrade Program (802 WBIC)	724	10,820,793	33	332	\$0	\$277,119	\$185,692	\$462,811	10.0
Residential Pressure Regulation Program	325	1,461,662	4	45	\$0	\$182,130	\$8,100	\$190,230	48.9
Leak Detection Pilot Program	127	3,104,198	10	95	\$0	\$9,594	\$12,164	\$21,758	1.2
Subtotal	4,486	143,793,577	441	2951	\$19,761	\$1,195,332	\$883,558	\$2,098,651	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	1	8,017	0	0	\$0	\$60	\$40	\$100	2.9
Waterless Urinals	2	79,976	0	5	\$0	\$400	\$400	\$800	2.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	58	243,838	1	7	\$0	\$870	\$2,030	\$2,900	1.4
Rotating Nozzles for Pop-up Spray Heads (1 App/ 77 Nozzles)	1	110,415	0	2	\$0	\$231	\$154	\$385	0.8
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	4	16,816	0	1	\$0	\$60	\$140	\$200	1.4
Laminar Flow Restrictor	191	1,431,679	4	22	\$0	\$1,910	\$1,910	\$3,820	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (358,828 sq. ft.)	23	15,429,604	47	1,420	\$53,509	\$252,228	\$504,456	\$810,193	6.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	22	30,113	0	1	\$0	\$110	\$110	\$220	1.4
Subtotal	302	17,350,459	53	1,458	\$53,509	\$255,869	\$509,240	\$818,618	
TOTAL	4,788	161,144,036	494	4,409	\$73,270	\$1,451,201	\$1,392,798	\$2,917,269	

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

IEUA/CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	16	16,347,144	50	251	\$3,906	\$118	\$440	\$4,464	0.0
TOTAL	4,804	177,491,180	546	4,659	\$77,176	\$1,451,319	\$1,393,238	\$2,921,733	

IEUA Regional Conservation Programs Annual Report

Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	521	4,176,930	13	256	\$0	\$31,260	\$20,840	\$52,100.00	2.9
High Efficiency Clothes Washers (HECW)	429	4,823,483	15	207	\$1,580	\$32,175	\$36,465	\$70,220.00	2.6
Rotating Nozzles for Pop-up Spray Heads (27 Apps/ 1,275 Nozzles)	27	1,828,299	6	28	\$0	\$3,825	\$2,550	\$6,375.00	0.8
Weather based Irrigation Controllers (WBIC)	578	7,798,526	24	239	\$0	\$46,240	\$46,240	\$92,480.00	2.3
Turf Replacement (184,286 sq. ft.)	123	7,924,298	24.3151	243	\$18,223	\$152,332	\$360,644	\$531,198.50	7.5
Rain Barrels	9	5,573	0	0	\$0	\$0	\$315	\$315.00	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0.00	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0.00	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	450	34,023,960	104	209	\$0	\$94,603	\$69,786	\$164,389	1.1
Residential Landscape Retrofit Program (248 WBIC / 309 Nozzles)	183	3,789,174	12	109	\$2,976	\$71,143	\$72,210	\$146,329	7.4
Res. Education, Survey, and Controller Upgrade Program (474 WBIC)	429	6,395,331	20	196	\$0	\$186,171	\$96,096	\$282,267	11.4
Residential Pressure Regulation Program	323	1,452,667	4	45	\$0	\$99,932	\$77,242	\$177,174	27.0
Leak Detection Pilot Program	111	2,713,118	8	83	\$0	\$19,017	\$0	\$19,017	2.8
Subtotal	3,183	74,931,359	230	1616	\$22,778	\$736,697	\$782,388	\$1,541,863	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	1,539	12,338,378	38	757	\$0	\$92,340	\$61,560	\$153,900	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	88	369,962	1	11	\$0	\$1,320	\$3,080	\$4,400	1.4
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	2,261	16,947,778	52	260	\$0	\$22,610	\$22,610	\$45,220	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (28 Apps)	28	13,707,454	42	421	\$89,866	\$157,306	\$611,556	\$858,728	4.5
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	360	492,761	2	15	\$0	\$1,800	\$1,800	\$3,600	1.4
Subtotal	4,276	43,856,333	135	1,464	\$89,866	\$275,376	\$700,606	\$1,065,848	
TOTAL	7,459	118,787,691	364	3,081	\$112,644	\$1,012,073	\$1,482,994	\$2,607,711	

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

IEUA/CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	144	13,863,786	43	213	\$15,937	\$9,697	\$9,810	\$35,444.00	0.3
TOTAL	7,603	132,651,477	408	3,292	\$128,581	\$1,021,770	\$1,492,804	\$2,643,155	

IEUA Regional Conservation Programs Annual Report

Summary Charts

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	148	1,186,537	4	73	0	8,880	5,920	14,800	3.1
High Efficiency Clothes Washers (HECW)	695	7,814,267	24	336	0	52,125	59,075	111,200	2.7
Rotating Nozzles for Pop-up Spray Heads (51 Apps/ 2,465 Nozzles)	51	3,534,204	11	54	0	7,395	4,930	12,325	0.9
Weather based Irrigation Controllers (WBIC)	562	7,582,650	23	233	0	44,960	44,960	89,920	2.4
Turf Removal (71,257 Sq. Ft.)	57	3,064,051	9	94	2,985	60,340	119,167	182,492	8.0
Rain Barrels	15	9,288	0	0	0	0	525	525	0.0
Cisterns	4	0	0	0	0	0	1,200	1,200	0.0
Soil Moisture Sensor Systems	1	13,492	0	0	0	0	80	80	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (125 Small/ 38 Large)	163	N/A	N/A	N/A	88,227	0	0	88,227	0.0
Residential Landscape Retrofit Program (125 WBIC / 1,544 Nozzles)	89	7,991,003	25	91	40,231	0	41,873	82,103	0.0
Res. Education, Survey, and Controller Upgrade Program (256 WBIC)	234	3,454,019	11	106	0	97,885	59,994	157,880	11.6
Residential Pressure Regulation Program	396	15,228,655	47	467	0	105,025	100,907	205,932	2.8
Subtotal	2,415	49,878,166	153	1454	\$131,443	\$376,611	\$438,631	\$946,684	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	506	4,056,673	12	249	0	30,360	20,240	50,600	3.1
Waterless Urinals	0	0	0	0	0	0	0	0	0.0
Cooling Tower Controller	2	419,759	1	6	0	750	1,250	2,000	0.7
Weather Based Irrigation Controllers (WBIC)	59	248,042	1	8	0	885	2,065	2,950	1.5
Rotating Nozzles for Pop-up Spray Heads (1 App/ 231 Nozzles)	1	0	0	0	0	3	2	5	0.0
Large Rotary Nozzles	0	0	0	0	0	0	0	0	0.0
Central Computerized Irrigation Controller	0	0	0	0	0	0	0	0	0.0
Laminar Flow Restrictor	0	0	0	0	0	0	0	0	0.0
Air-Cooled Ice Machine	0	0	0	0	0	0	0	0	0.0
Turf Removal (19,801 Sq. Ft.)	5	847,795	3	26	0	18,275	39,602	57,877	8.8
Soil Moisture Sensor Systems	0	0	0	0	0	0	0	0	0.0
Plumbing Flow Control	547	748,723	2	23	0	2,735	2,735	5,470	1.5
Subtotal	1,120	6,320,992	19	312	\$0	\$74,653	\$65,894	\$140,547	
TOTAL	3,535	56,199,158	172	1,766	\$131,443	\$451,264	\$504,525	\$1,087,231	

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

IEUA/CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	161	36,781,074	113	564	\$0.00	\$7,272	\$15,453	\$22,725.00	0.1
TOTAL	3,696	92,980,232	285	2,331	\$131,443	\$458,536	\$519,978	\$1,109,956	

IEUA Regional Conservation Programs Annual Report

Summary Charts

Program	Funding Sources (dollars)								Payback Period (years) ⁽¹⁾
	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	705	5,652,084	17	347	0	42,300	28,200	70,500	5.3
High Efficiency Clothes Washers (HECW)	923	10,377,797	32	446	0	59,995	78,455	138,450	5.6
Rotating Nozzles for Pop-up Spray Heads (170 Apps/ 13,442 Nozzles)	13,442	19,272,442	59	296	0	40,326	26,884	67,210	1.5
Weather based Irrigation Controllers (WBIC)	311	4,101,647	13	126	0	21,770	24,880	46,650	4.8
Turf Removal (0 Sq. Ft.)	0	0	0	0	0	0	0	0	0.0
Rain Barrels	19	10,527	0	0	0	0	665	665	26.7
Cisterns	35	0	0	0	0	0	10,500	10,500	0.0
Soil Moisture Sensor Systems	0	0	0	0	0	0	0	0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	2,526	3,622,183	11	56	0	3,877	5,052	8,929	1.0
Residential Landscape Retrofit Program (159 WBIC / 2,421 Nozzles)	108	5,616,235	17	129	51,732	2,069	49,663	103,464	7.8
Residential Education, Survey, and Controller Upgrade Program	145	2,307,176	7	71	0	85,869	16,356	102,225	18.7
Residential Pressure Regulation Program	397	15,267,111	47	468	0	96,999	86,018	183,017	5.1
Subtotal	18,611	66,227,202	203	1938	\$51,732	\$353,205	\$326,673	\$731,610	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	747	5,988,804	18	368	0	44,820	29,880	74,700	5.3
Waterless Urinals	0	0	0	0	0	0	0	0	0.0
Cooling Tower Controller	0	0	0	0	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC)	47	197,593	1	6	0	0	0	0	0.0
Rotating Nozzles for Pop-up Spray Heads (12 Apps/ 14,870 Nozzles)	14,870	21,322,985	65	327	0	29,740	29,740	59,480	1.2
Large Rotary Nozzles	0	0	0	0	0	0	0	0	0.0
Central Computerized Irrigation Controller	0	0	0	0	0	0	0	0	0.0
Laminar Flow Restrictor	0	0	0	0	0	0	0	0	0.0
Air-Cooled Ice Machine	1	50,189	0	2	0	1,000	1,000	2,000	16.8
Turf Removal (0 Sq. Ft.)	0	0	0	0	0	0	0	0	0.0
Soil Moisture Sensor Systems	0	0	0	0	0	0	0	0	0.0
Plumbing Flow Control	1,363	1,865,647	6	45	0	13,630	6,815	20,445	4.6
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	14,050	19,480,086	60	299	0	40,077	28,100	68,177	1.5
Subtotal	31,078	48,905,304	150	1,046	\$0	\$129,267	\$95,535	\$224,802	
TOTAL	49,689	115,132,505	353	2,985	\$51,732	\$482,472	\$422,208	\$956,412	

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

IEUA/CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	104	9,816,108	30	151	\$0.00	\$15,525	\$9,300	\$24,825.00	1.1
TOTAL	49,793	124,948,613	383	3,135	\$51,732	\$497,997	\$431,508	\$981,237	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	3,444	27,611,030	85	1,694	\$0	\$249,565	\$137,500	\$387,065	6.1
High Efficiency Clothes Washers (HECW)	690	7,758,050	24	333	\$0	\$14,205	\$58,565	\$72,770	4.1
Rotating Nozzles for Pop-up Spray Heads	4,555	6,530,706	20	100	\$0	\$1,260	\$1,961	\$3,221	0.2
Weather based Irrigation Controllers (WBIC)	334	4,506,415	14	138	\$0	\$9,599	\$26,952	\$36,551	3.6
Turf Removal (255,091 Sq. Ft.)	166	10,807,440	33	332	\$0	\$0	\$478,360	\$478,360	19.4
Rain Barrels	275	170,283	1	3	\$0	\$0	\$19,980	\$19,980	51.4
Cisterns	1	0	0	0	\$0	\$0	\$300	\$300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	2,948	4,227,314	13	65	\$0	\$4,770	\$5,896	\$10,666	1.1
Residential Landscape Retrofit Program (239 WBIC / 2,124 Nozzles)	163	6,270,381	19	146	\$75,673	\$2,314	\$73,359	\$151,347	10.6
Residential Education, Survey, and Controller Upgrade Program	153	2,064,316	6	63	\$0	\$66,463	\$28,228	\$94,690	20.1
Residential Pressure Regulation Program	161	2,866,616	13	130	\$0	\$23,821	\$26,244	\$50,065	5.2
Subtotal	12,890	72,812,551	228	3,004	\$75,673	\$371,997	\$857,344	\$1,305,014	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	611	4,898,473	15	301	\$0	\$29,170	\$65,350	\$94,520	8.5
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	2	419,696	1	6	\$0	\$290	\$1,750	\$2,040	2.1
Weather Based Irrigation Controllers (WBIC)	139	584,371	2	18	\$0	\$36,139	\$158,628	\$194,767	146.0
Rotating Nozzles for Pop-up Spray Heads	5,175	7,420,743	23	114	\$0	\$10,350	\$10,350	\$20,700	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	50,189	0	2	\$0	\$1,000	\$1,000	\$2,000	17.5
Turf Removal (637,916 Sq. Ft.)	22	27,026,587	83	829	\$0	\$100,878	\$732,615	\$833,493	13.5
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	1,191	1,630,217	5	50	\$0	\$5,955	\$5,955	\$11,910	3.2
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	4,090	5,331,724	16	82	\$0	\$12,270	\$8,180	\$20,450	1.7
Subtotal	11,231	47,362,000	145	1,401	\$0	\$196,052	\$983,828	\$1,179,880	
TOTAL	24,121	120,174,550	373	4,406	\$75,673	\$568,049	\$1,841,172	\$2,484,894	

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

IEUA/CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	49	15,966,699	54	270	\$0.00	\$3,406	\$396	\$3,802.00	0.1
TOTAL	24,170	136,141,249	427	4,676	\$75,673	\$571,455	\$1,841,568	\$2,488,696	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	3,355	46,469,266	143	2,852	\$0	\$106,819	\$325,974	\$432,794	4.2
High Efficiency Clothes Washers (HECW)	959	10,782,564	33	477	\$0	\$16,900	\$80,240	\$97,140	4.1
Rotating Nozzles for Pop-up Spray Heads	5,173	7,417,842	23	114	\$0	\$0	\$11,182	\$11,182	0.7
Weather based Irrigation Controllers (WBIC)	271	28,703,643	88	881	\$0	\$5,553	\$26,128	\$31,681	0.5
Turf Removal (1,596,789 Sq. Ft.)	813	67,651,160	208	2,076	\$5,000	\$0	\$3,049,732	\$3,054,732	20.4
Rain Barrels	683	422,920	1	7	\$0	\$0	\$32,959	\$32,959	35.2
Soil Moisture Sensor Systems	2	26,985	0	1	\$0	\$42	\$160	\$202	3.4
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	8,755	12,554,320	39	193	\$0	\$14,008	\$17,510	\$31,518	1.1
Residential Landscape Retrofit Program (778 WBIC/9,135 Nozzles)	501	125,539,222	385	3,653	\$239,202	\$0	\$239,202	\$478,405	1.7
Landscape Transformation Program (26,900 Sq. Ft.)	30	1,162,974	4	36	\$8,070	\$81,929	\$0	\$89,999	35.0
Residential Pressure Regulation Program	10	3,910,800	12	120	\$0	\$3,419	\$2,281	\$5,700	0.7
Subtotal	20,552	304,641,696	935	10,408	\$252,272	\$228,670	\$3,785,370	\$4,266,312	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	6,598	91,421,175	281	5,610	\$0	\$225,020	\$815,980	\$1,041,000	5.1
Waterless Urinals	17	679,795	2	42	\$0	\$491	\$3,400	\$3,891	2.6
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	212	22,454,510	69	689	\$0	\$25,596	\$131,399	\$156,995	3.2
Rotating Nozzles for Pop-up Spray Heads	19,391	27,805,918	85	427	\$0	\$8,800	\$72,974	\$81,774	1.3
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	210	1,574,097	5	24	\$0	\$2,100	\$2,100	\$4,200	1.2
Air-Cooled Ice Machine	7	351,320	1	11	\$0	\$1,000	\$5,000	\$6,000	7.7
Turf Removal (3,337,120Sq. Ft.)	116	141,383,763	434	4,338	\$0	\$1,299,068	\$5,486,869	\$6,785,937	21.7
Soil Moisture Sensor Systems	1	0	0	0	\$0	\$0	\$980	\$980	105.4
Plumbing Flow Control	7,874	10,777,774	33	331	\$0	\$24,085	\$24,085	\$48,170	2.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	10,890	14,209,240	44	218	\$0	\$17,212	\$21,780	\$38,992	1.2
Subtotal	45,316	310,657,592	953	11,690	\$0	\$1,603,371	\$6,564,567	\$8,167,938	
TOTAL	65,868	615,299,287	1,888	22,098	\$252,272	\$1,832,041	\$10,349,937	\$12,434,250	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	74	24,112,974	58	289	\$0.00	\$11,618	\$2,357	\$13,975.00	0.3
TOTAL	65,942	639,412,261	1,946	22,387	252,272	1,843,659	10,352,294	12,448,225	

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) '''
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	1,434	19,861,976	61	1,219	\$0	\$71,700	\$143,400	\$215,100	4.7
High Efficiency Clothes Washers (HECW)	980	8,814,943	27	406	\$0	\$49,000	\$98,000	\$147,000	7.2
Rotating Nozzles for Pop-up Spray Heads	1,397	2,003,242	6	31	\$0	\$0	\$5,588	\$5,588	1.2
Weather based Irrigation Controllers (WBIC)	69	7,308,308	22	224	\$0	\$4,830	\$5,520	\$10,350	0.6
Turf Removal (79,670 Sq. Ft.)	78	5,047,181	15	155	\$0	\$0	\$235,430	\$235,430	20.2
Rain Barrels	149	15,781,708	48	484	\$0	\$0	\$11,175	\$11,175	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	16,706	21,777,942	67	334	\$0	\$0	\$60,142	\$60,142	1.2
Residential Landscape Retrofit Program (379 WBIC/5,117 Nozzles)	249	47,581,400	146	1,344	\$119,369	\$0	\$119,369	\$238,738	2.2
Landscape Transformation Program (179,261 Sq. Ft.)	140	2,641,244	8	81	\$37,623	\$131,809	\$251,322	\$420,754	69.1
Subtotal	21,202	130,817,943	401	4,278	\$156,992	\$257,339	\$929,946	\$1,344,277	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	2,099	29,072,724	89	1,784	\$0	\$104,950	\$209,900	\$314,850	4.7
Waterless Urinals	9	124,657	0.38	8	\$0	\$1,800	\$1,800	\$3,600	12.5
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	93	9,850,328	30	302	\$0	\$1,395	\$3,255	\$4,650	0.2
Rotating Nozzles for Pop-up Spray Heads	30,810	40,163,916	123	616	\$0	\$30,810	\$123,240	\$154,050	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	65,180	0	1	\$0	\$1,000	\$1,000	\$2,000	13.3
Turf Removal (1,136,334 Sq. Ft.)	95	48,143,063	147.72	1,477	\$0	\$1,054,808.65	\$2,269,228.00	\$3,324,036.65	29.9
Subtotal	33,107	127,419,867	391	4,189	\$0	\$1,194,764	\$2,608,423	\$3,803,187	
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	30,456	39,696,472	122	609	\$0	\$0	\$109,642	\$109,642	1.2
TOTAL	84,765	297,934,282	914	9,076	\$156,992	\$1,452,103	\$3,648,011	\$5,257,105	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	239	77,878,389	282	1408	\$0.00	\$28,000	\$1,224	\$29,224.00	
TOTAL	85,004	375,812,671	1,196	10,484	\$156,992	\$1,480,103	\$3,649,235	\$5,286,329	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	471	6,522,722	20	400	\$0	\$23,550	\$23,550	\$47,100	3.1
High Efficiency Clothes Washers (HECW)	1,083	9,739,947	30	448	\$0	\$70,395	\$92,055	\$162,450	7.2
Rotating Nozzles for Pop-up Spray Heads	1,651	2,367,112	7	36	\$0	\$1,651	\$6,604	\$8,255	1.5
Weather based Irrigation Controllers (WBIC)	60	6,354,095	20	195	\$0	\$4,200	\$4,800	\$9,000	0.6
Rain Barrels	58	6,142,291	19	189	\$0	\$0	\$4,350	\$4,350	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	11,232	14,639,834	45	225	\$0	\$0	\$36,504	\$36,504	1.1
Residential Landscape Retrofit Program (299 WBIC/3,282 Nozzles)	185	36,169,461	111	1,040	\$93,271	\$0	\$93,271	\$186,542	2.2
Landscape Transformation Program (57,889 Sq. Ft.)	65	2,640,846	8	81	\$0	\$104,477	\$73,268	\$177,745	29.2
Subtotal	14,805	84,576,308	260	2,614	\$93,271	\$204,273	\$334,402	\$631,946	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	123	1,703,386	5	105	\$0	\$5,040	\$12,066	\$17,106	4.4
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	137	14,508,516	45	445	\$0	\$29,732	\$75,737	\$105,469	3.1
Rotating Nozzles for Pop-up Spray Heads	2,930	3,818,974	12	59	\$0	\$2,727	\$11,611	\$14,338	1.6
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	1,486	11,136,935	34	342	\$0	\$14,860	\$14,860	\$29,720	1.2
Air-Cooled Ice Machine	1	65,170	0.20	1	\$0	\$1,000	\$1,000	\$2,000	13.3
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	4,677	31,232,981	96	952	\$0	\$53,359	\$115,274	\$168,633	
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	23,032	30,020,001	92	461	\$0	\$0	\$74,854	\$74,854	1.1
TOTAL	42,514	145,829,290	448	4,026	\$93,271	\$257,632	\$524,530	\$875,433	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	83	27,045,633	38	190	\$0.00	\$13,983.00	\$2,242	\$16,225.00	
TOTAL	42,597	172,874,923	486	4,216	\$93,271	\$271,615	\$526,772	\$891,658	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	6	83,092	0.26	5	\$0	\$300	\$300	\$600	3.2
High Efficiency Clothes Washers (HECW)	908	8,166,087	25	376	\$0	\$59,020	\$77,180	\$136,200	7.5
Rotating Nozzles for Pop-up Spray Heads	21	27,371	0.08	0	\$0	\$21	\$84	\$105	1.7
Weather based Irrigation Controllers (WBIC)	44	4,659,669	14	143	\$0	\$3,080	\$3,520	\$6,600	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	18,424	24,013,915	74	368	\$0	\$0	\$59,878	\$59,878	1.1
Residential Landscape Retrofit Program	157	39,102,120	120	1,013	\$78,760	\$12,821	\$91,582	\$183,163	2.1
Landscape Transformation Program (22,455 Sq. Ft.)	27	1,024,378	3	31	\$6,273	\$17,990	\$22,034	\$46,297	20.3
Subtotal	19,587	77,076,633	237	1,937	\$85,033	\$93,232	\$254,578	\$432,843	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	351	4,860,882	15	298	\$25,742	\$12,517	\$17,550	\$55,809	5.1
IEUA Single-Family Direct Install Prog. (HET)	1,389	19,235,799	59	1,181	\$101,869	\$49,532	\$69,450	\$220,851	5.1
Subtotal	1,740	24,096,681	74	1,479	\$127,612	\$62,048	\$87,000	\$276,660	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	12	166,184	1	10	\$0	\$600	\$600	\$1,200	3.2
Waterless Urinals	1	13,849	0.04	1	\$0	\$100	\$200	\$300	9.7
Cooling Tower Controller	4	839,392	3	13	\$0	\$4,000	\$7,000	\$11,000	5.9
High Efficiency Clothes Washers	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	66	6,989,504	21	215	\$0	\$16,281	\$30,940	\$47,221	3.0
Rotating Nozzles for Pop-up Spray Heads	3,055	3,981,899	12	61	\$0	\$3,055	\$12,220	\$15,275	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	341	2,555,649	8	78	\$0	\$3,410	\$3,410	\$6,820	1.2
Air-Cooled Ice Machine	1	65,170	0.20	1	\$0	\$930	\$1,000	\$1,930	13.3
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	1,764	49,203,501	151	2,880	\$206,033	\$0	\$32,050	\$238,083	2.2
FreeSprinklerNozzles.com Program	35,017	45,641,298	140	700	\$0	\$0	\$113,805	\$113,805	1.1
Subtotal	40,261	109,456,446	336	3,960	\$206,033	\$28,376	\$201,225	\$435,634	
TOTAL	61,588	210,629,761	646	7,376	\$418,678	\$183,656	\$542,803	\$1,145,137	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	48	15,966,699	49	245	\$0.00	\$5,600.00	\$864	\$6,464.00	0.2
TOTAL	61,636	226,596,460	695	7,621	\$418,678	\$189,256	\$543,667	\$1,151,601	

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/Other	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	1,184	10,648,289	33	490	0	\$0	\$100,640	\$100,640	4.5
Rotating Nozzles for Pop-up Spray Heads	778	1,014,048	3	16	0	\$1,556	\$2,334	\$3,890	1.8
Weather Based Irrigation Controllers (WBIC)	67	7,095,406	22	218	0	\$3,015	\$5,360	\$8,375	0.6
FreeSprinklerNozzles.com Program	40,012	52,151,801	160	800	0	\$0	\$75,150	\$75,150	0.7
Residential Landscape Retrofit Program	22	5,865,318	18	160	0	\$14,499	\$12,310	\$26,809	2.2
Subtotal	42,063	76,774,862	236	1684	\$0	\$19,070	\$195,794	\$214,864	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	139	1,924,965	6	118	\$10,194	\$4,957	\$6,950	\$22,101	5.5
IEUA Single-Family Direct Install Prog. (HET)	2,753	38,125,382	117	2340	\$201,905	\$98,172	\$137,650	\$437,727	5.5
Subtotal	2,892	40,050,346	123	2458	\$212,099	\$103,129	\$144,600	\$459,828	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	4	55,395	0.17	3	\$0	\$140	\$200	\$340	2.9
Waterless Urinals	68	2,718,770	8	167	\$0	\$3,400	\$13,600	\$17,000	3.0
PH Conductivity Controller	1	633,454	2	10	\$0	\$500	\$1,750	\$2,250	1.7
High Efficiency Clothes Washers	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	66	6,989,504	21	215	\$0	\$11,716	\$22,225	\$33,941	2.3
Rotating Nozzles for Pop-up Spray Heads	4,243	5,530,343	17	85	\$0	\$4,243	\$12,729	\$16,972	1.5
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Fontana Unified School Retrofit Program	2,124	12,708,189	39	635	\$339,942	\$0	\$51,978	\$391,920	14.8
FreeSprinklerNozzles.com Program	10,044	13,091,390	40	201	\$0	\$0	\$30,132	\$30,132	1.1
Central Computerized Irrigation Controller	11	17,470,176	54	536	\$0	\$3,480	\$8,700	\$12,180	0.3
Subtotal	16,561	59,197,221	182	1,851	\$339,942	\$23,479	\$141,314	\$504,735	
TOTAL	61,516	176,022,429	540	5,993	\$552,041	\$145,678	\$481,708	\$1,179,427	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	114	23,135,421	71	355	\$0.00	\$18,750.00	\$15,100	\$33,850.00	0.6
TOTAL	61,630	199,157,850	611	6,348	\$552,041	\$164,428	\$496,808	\$1,213,277	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2010-2011									
Residential Rebate Programs									
High Efficiency Toilets (HET)	105	1,454,110	4	89	\$0	\$3,675	\$5,250	\$8,925	4.0
High Efficiency Clothes Washers (HECW)	2,137	19,219,083	59	885	\$0	\$0	\$181,645	\$181,645	6.2
Rotating Nozzles for Pop-up Spray Heads	1,219	1,588,849	5	24	\$0	\$2,438	\$3,657	\$6,095	2.5
Weather Based Irrigation Controllers (WBIC)	28	2,965,244	9	91	\$0	\$1,260	\$2,240	\$3,500	0.8
Synthetic Turf (9,477 Sq. Ft.)	11	4,622,689	14	142	\$0	\$4,265	\$2,843	\$7,108	1.0
FreeSprinklerNozzles.com Program	24,931	32,500,052	100	499	\$0	\$0	\$74,793	\$74,793	1.5
Residential Landscape Retrofit Program	507	19,879,900	61	553	\$0	\$46,746	\$38,513	\$85,259	2.8
Subtotal	28,938	82,229,928	252	2,283	\$0	\$58,384	\$308,941	\$367,325	
IEUA Multifamily Direct Install Prog. (HET)									
IEUA Multifamily Direct Install Prog. (HET)	1,428	19,775,897	61	1,214	\$104,730	\$50,922	\$71,400	\$227,052	7.5
Subtotal	1,428	19,775,897	61	1,214	\$104,730	\$50,922	\$71,400	\$227,052	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	31	429,309	1	26	\$0	\$1,085	\$1,550	\$2,635	4.0
Waterless Urinals	238	9,515,696	29	584	\$0	\$11,900	\$47,600	\$59,500	4.1
PH Conductivity Controller	5	3,167,272	10	49	\$0	\$2,500	\$8,750	\$11,250	2.3
Weather Based Irrigation Controllers (WBIC)	46	4,871,472	15	150	\$0	\$10,715	\$24,975	\$35,690	4.8
Synthetic Turf (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	3,069	4,000,147	12	61	\$0	\$3,069	\$9,207	\$12,276	2.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Fontana Unified School Retrofit Program	1,899	28,679,200	88	709	\$321,643	\$0	\$33,900	\$355,543	8.1
Subtotal	5,288	50,663,096	155	1,579	\$321,643	\$29,269	\$125,982	\$476,894	
TOTAL	35,654	152,668,921	468	5,075	\$426,373	\$138,575	\$506,323	\$1,071,271	

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

CBWCD Landscape Evaluation Program									
Residential, Commercial, Industrial, and Institutional Audits	121	56,372,223	173	865	\$0.00	\$18,750.00	\$15,100	\$33,850.00	0.4
TOTAL	35,775	209,041,144	641	5,940	\$426,373	\$157,325	\$521,423	\$1,105,121	

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	477	6,605,814	20	405	\$0	\$16,695	\$23,850	\$40,545	4.0
High Efficiency Clothes Washers (HECW)	512	4,604,666	14	212	\$0	\$25,600	\$56,320	\$81,920	11.6
Rotating Nozzles for Pop-up Spray Heads	575	749,457	2	12	\$0	\$1,150	\$2,300	\$3,450	3.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3	33	\$0	\$450	\$800	\$1,250	0.8
Water Wise Landscape (Turf Buy Back) (1,830 Sq. Ft.)	2	83,483	0.26	3	\$0	\$3,228	\$0	\$3,228	25.3
Synthetic Turf (41,748 Sq. Ft.)	32	4,621,994	14	142	\$0	\$18,787	\$12,524	\$31,311	4.4
Subtotal	1,608	17,724,431	54	806	\$0	\$65,910	\$95,794	\$161,704	
IEUA Mult-Family Direct Install Prog. (HET)									
IEUA Mult-Family Direct Install Prog. (HET)	410	5,677,954	17	349	\$30,069	\$14,621	\$67,650	\$112,340	12.9
Subtotal	410	5,677,954	17	349	\$30,069	\$14,621	\$67,650	\$112,340	
CII Save-A-Buck Rebate Program									
ULFT Tank	7	86,448	0.27	5	\$0	\$0	\$420	\$420	3.2
High Efficiency Toilets (HET)	308	4,265,390	13	262	\$0	\$41,580	\$50,820	\$92,400	14.2
Waterless Urinals	284	11,354,865	35	697	\$0	\$0	\$113,600	\$113,600	6.5
High Efficiency Clothes Washers	33	296,785	1	9	\$0	\$3,300	\$2,640	\$5,940	13.1
Water Brooms	1	49,986	0.15	1	\$0	\$0	\$150	\$150	2.0
Weather Based Irrigation Controllers (WBIC)	102	10,801,961	33	332	\$0	\$28,605	\$60,212	\$88,817	5.4
Synthetic Turf (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	11,320	14,754,533	45	226	\$0	\$0	\$45,280	\$45,280	2.0
Pre-Rinse Spray Head Nozzles	1	49,855	0.15	1	\$0	\$0	\$60	\$60	0.8
Subtotal	12,056	41,659,822	128	1,533	\$0	\$73,485	\$273,182	\$346,667	
TOTAL	14,074	65,062,206	200	2,687	\$30,069	\$154,015	\$436,626	\$620,711	

⁽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	303	3,026	\$0	\$59,250	\$22,722	\$81,972	0.5
TOTAL (Grant+Main)	14,179	163,648,427	502	5,712	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2008-2009									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	4	49,399	0.15	3	\$0	\$0	\$240	\$240	3.2
High Efficiency Toilets (HET)	2,096	29,026,807	89	1,782	\$0	\$0	\$345,840	\$345,840	7.8
High Efficiency Clothes Washers (HECW)	1,191	10,711,244	33	493	\$0	\$0	\$131,010	\$131,010	8.0
Rotating Nozzles for Pop-up Spray Heads	958	1,248,661	4	19	\$0	\$0	\$3,832	\$3,832	2.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3	33	\$0	\$0	\$800	\$800	0.5
Water Wise Landscape (Turf Buy Back) (159,759 Sq. Ft.)	117	7,288,068	22	224	\$0	\$206,799	\$0	\$206,799	18.5
Synthetic Turf (101,317 Sq. Ft.)	114	4,621,994	14	142	\$0	\$30,395	\$30,395	\$60,790	8.6
Subtotal	4,490	54,005,189	166	2,695	\$0	\$237,194	\$512,117	\$749,311	
IEUA Mult-Family Direct Install Prog. (HET)									
IEUA Mult-Family Direct Install Prog. (HET)	1,682	23,293,459	71	1,430	\$123,358	\$59,980	\$277,530	\$460,868	12.9
Subtotal	1,682	23,293,459	71	1,430	\$123,358	\$59,980	\$277,530	\$460,868	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0	0	\$0	\$0	\$0	\$0	0.0
ULFT Tank	1	12,350	0.04	1	\$0	\$0	\$60	\$60	3.2
High Efficiency Toilets (HET)	1,554	21,520,829	66	1,321	\$0	\$209,790	\$256,410	\$466,200	14.2
Waterless Urinals	332	13,273,997	41	815	\$0	\$0	\$132,800	\$132,800	6.5
Conductivity Controller	4	839,392	3	13	\$0	\$175	\$2,500	\$2,675	2.1
High Efficiency Clothes Washers	19	170,876	1	5	\$0	\$1,900	\$1,520	\$3,420	13.1
Water Brooms	5	249,928	1	4	\$0	\$0	\$750	\$750	2.0
Weather Based Irrigation Controllers (WBIC)	57	6,036,390	19	185	\$0	\$0	\$38,133	\$38,133	4.1
Cooling Tower Controller	2	87,817	0.27	3	\$0	\$578	\$578	\$1,155	8.6
Rotating Nozzles for Pop-up Spray Heads	43	56,046	0.17	1	\$0	\$0	\$172	\$172	2.0
Large Rotary Nozzles	120	703,838	2	22	\$0	\$0	\$1,560	\$1,560	1.4
Pre-Rinse Spray Head Nozzles	31	1,545,511	5	24	\$0	\$0	\$1,860	\$1,860	0.8
Subtotal	2,168	44,496,974	137	2,392	\$0	\$212,443	\$436,343	\$648,785	
MWD Public Sector Program									
High Efficiency Toilets (HET)	4	55,395	0.17	3	\$0	\$0	\$1,285	\$1,285	15.2
Waterless Urinals	2	81,463	0.25	5	\$0	\$0	\$1,071	\$1,071	8.6
Water Brooms	49	2,449,292	8	38	\$0	\$0	\$16,706	\$16,706	4.5
Weather Based Irrigation Controllers (WBIC)	73	14,486,358	44	445	\$0	\$0	\$121,036	\$121,036	5.5
Central Computer Irrigation Controllers (CCIC)	515	166,470,759	511	5,109	\$0	\$0	\$2,103,868	\$2,103,868	8.3
Synthetic Turf (185,612 Sq. Ft.)	2	4,243,072	26	260	\$0	\$0	\$139,209	\$139,209	10.7
Subtotal	645	187,786,338	589	5,859	\$0	\$0	\$2,383,175	\$2,383,175	
TOTAL	8,985	309,581,960	963	12,376	\$123,358	\$509,617	\$3,609,165	\$4,242,139	

⁽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	7,710	\$54,596.90	\$0	\$66,346.40	\$120,943.30	0.3
TOTAL (Grant+Main)	9,120	560,813,081	1,734	20,086	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	110	1,358,473	4	83	\$0	\$0	\$6,600	\$6,600	3.5
High Efficiency Toilets (HET)	93	1,287,926	4	79	\$0	\$0	\$15,345	\$15,345	8.5
High Efficiency Clothes Washers (HECW)	1,547	13,912,925	43	640	\$0	\$0	\$170,170	\$170,170	8.7
Rotating Nozzles for Pop-up Spray Heads	1,193	1,554,961	5	24	\$0	\$0	\$4,772	\$4,772	2.2
Weather Based Irrigation Controllers (WBIC)	25	2,647,539	8	81	\$0	\$4,000	\$2,000	\$6,000	1.6
Water Wise Landscape (Turf Buy Back) (21,506 Sq. Ft.)	20	981,085	3	30	\$0	\$43,012	\$0	\$43,012	31.2
Synthetic Turf (61,970 Sq. Ft.)	68	2,827,018	9	87	\$0	\$18,591	\$18,591	\$37,182	9.4
Subtotal	3,056	24,569,928	75	1,025	\$0	\$65,603	\$217,478	\$283,081	
IEUA Multit-Family Direct Install Prog. (HET/ULFT)									
IEUA Multit-Family Direct Install Prog. (HET/ULFT)	4,213	52,029,509	160	1,597	\$308,981	\$150,236	\$252,780	\$711,997	9.7
Subtotal	4,213	52,029,509	160	1,597	\$308,981	\$150,236	\$252,780	\$711,997	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0	0	\$0	\$0	\$0	\$0	0.0
ULFT Tank	9	111,148	0.34	7	\$0	\$0	\$1,215	\$1,215	7.8
High Efficiency Toilets (HET)	1,916	26,534,047	81	1,629	\$0	\$258,660	\$316,140	\$574,800	15.4
Waterless Urinals	606	24,229,042	74	1,487	\$0	\$0	\$242,400	\$242,400	7.1
Conductivity Controller	12	2,518,177	8	39	\$0	\$2,100	\$7,500	\$9,600	2.7
High Efficiency Clothes Washers	48	431,687	1	13	\$0	\$13,920	\$6,240	\$20,160	33.2
Water Brooms	1	49,986	0	1	\$0	\$0	\$150	\$150	2.1
Weather Based Irrigation Controllers (WBIC)	6	635,409	2	20	\$0	\$0	\$3,780	\$3,780	4.2
Synthetic Turf (32,525 Sq. Ft.)	4	1,483,763	5	46	\$0	\$9,758	\$9,758	\$19,515	9.4
Rotating Nozzles for Pop-up Spray Heads	65	84,721	0	1	\$0	\$0	\$260	\$260	2.2
Subtotal	2,667	56,077,980	172	3,242	\$0	\$284,438	\$587,443	\$871,880	
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	56	2,238,987	7	137	\$0	\$0	\$68,600	\$68,600	21.8
Water Brooms	98	4,898,583	15	75	\$0	\$0	\$37,240	\$37,240	5.4
Weather Based Irrigation Controllers (WBIC)	42	6,377,556	20	196	\$0	\$0	\$42,168	\$42,168	4.7
Central Computer Irrigation Controllers (CCIC)	36	9,654,313	30	296	\$0	\$0	\$112,464	\$112,464	8.3
Subtotal	232	23,169,440	71	705	\$0	\$0	\$260,472	\$260,472	
TOTAL	10,168	155,846,856	478	6,568	\$308,981	\$500,276	\$1,318,173	\$2,127,430	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2006-2007									
Residential Programs									
Ultra Low Flush Toilets (ULFT)	179	2,210,606	6.78	135.68	\$0	\$0	\$10,740	\$10,740	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)	1,456	13,094,518	40.19	602.78	\$0	\$0	\$160,160	\$160,160	9.3
Rotating Sprinkler Nozzles	158	205,938	0.63	3.16	\$0	\$0	\$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	1.7
Weather Based Irrigation Controllers (WBIC) - Distribution	330	34,947,520	107.25	1,072.50	\$0	\$0	\$79,200	\$79,200	1.7
Subtotal	2,170	54,147,215	166	1,933	\$0	\$5,280	\$255,682	\$260,962	
IEUA Multit-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	10,132	125,127,696	384	7,680	\$673,848	\$327,644	\$551,280	\$1,552,772	9.5
Subtotal	10,132	125,127,696	384	7,680	\$673,848	\$327,644	\$551,280	\$1,552,772	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	4	49,399	0.15	3.03	\$0	\$60	\$540	\$600	9.3
ULFT Tank	379	4,680,556	14.36	287.28	\$0	\$5,685	\$51,165	\$56,850	9.3
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	\$0	\$45	\$165	\$210	11.6
Zero Water Urinal	97	3,878,246	11.90	238.04	\$0	\$0	\$38,800	\$38,800	7.6
Conductivity Controller	4	839,392	2.58	12.88	\$0	\$0	\$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	17.0
Water Brooms	1	49,986	0.15	0.77	\$0	\$0	\$150	\$150	2.3
Weather Based Irrigation Controllers (WBIC)	16	1,694,425	5.20	52.00	\$0	\$0	\$10,080	\$10,080	4.5
Subtotal	642	12,464,941	38	653	\$0	\$15,590	\$121,600	\$137,190	
TOTAL	12,944	191,739,852	588	10,266	\$673,848	\$348,514	\$928,562	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	1,640	20,253,595	62	1,243	\$0	\$10,660	\$98,400	\$109,060	4.1
IEUA Regional Event (ULFT)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	531	6,557,719	20	402	\$0	\$563	\$32,580	\$33,176	3.9
High Efficiency Clothes Washers	1,365	12,276,111	38	565	\$0	\$1,186	\$140,910	\$142,191	8.8
Subtotal	3,536	39,087,424	120	2,211	\$0	\$12,409	\$271,890	\$284,427	
IEUA Mult-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	6000	74,098,517	227	4,548	\$0	\$495,004	\$287,160	\$782,164	8.1
Subtotal	6,000	74,098,517	227	4,548	\$0	\$495,004	\$287,160	\$782,164	8.1
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	1133	13,992,270	43	859	\$0	\$914	\$67,980	\$58,036	3.2
Conductivity Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	83	746,459	2	34	\$0	\$0	\$20,750	\$20,750	21.2
Water Brooms	3	149,957	0.46	2	\$0	\$0	\$300	\$300	1.5
Pre-Rinse Spray Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	22	2,329,835	7	107	\$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	7,761	\$0	\$507,413	\$648,080	\$1,145,677	
FY 2004-2005									
Residential Programs									
City Event (ULFT)	726	8,965,921	28	550	\$0	\$4,719	\$43,560	\$48,279	4.1
IEUA Regional Event (ULFT)	796	9,830,403	30	603	\$0	\$8,756	\$47,760	\$56,516	4.4
IEUA Rebate Program (ULFT)	643	7,940,891	24	487	\$0	\$643	\$38,580	\$39,223	3.8
High Efficiency Clothes Washers	1888	16,979,705	52	782	\$0	\$1,888	\$207,680	\$209,568	9.4
Pool Cover Rebates	58	990,607	3	15	\$0	\$5,035	\$0	\$5,035	3.9
Subtotal	4,111	44,707,527	137	2,438	\$0	\$21,041	\$337,580	\$358,621	
IEUA Mult-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	4187	51,708,415	159	3,174	\$0	\$439,635	\$251,220	\$690,855	10.2
Subtotal	4,187	51,708,415	159	3,174	\$0	\$439,635	\$251,220	\$690,855	10.2
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	5	61,749	0.19	4	\$0	\$0	\$0	\$0	0.0
Conductivity Controller	2	419,696	1	6	\$0	\$0	\$1,000	\$1,000	1.8
High Efficiency Clothes Washers	26	233,831	1	11	\$0	\$0	\$6,500	\$6,500	21.2
Water Brooms	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Pre-Rinse Spray Nozzles	1	49,855	0.15	1	\$0	\$0	\$50	\$50	0.8
X-Ray Film Processor (MWD CII)	6	6,256,339	19	96	\$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	5,729	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	1,377	17,005,610	52	1,044	\$0	\$2,734	\$81,940	\$84,674	3.8
IEUA Regional Event (ULFT)	1,613	19,920,151	61	1,223	\$0	\$17,743	\$96,780	\$114,523	4.4
IEUA Rebate Program (ULFT)	1,446	17,857,743	55	1,096	\$0	\$1,446	\$86,760	\$88,206	3.8
High Efficiency Clothes Washers	1,776	15,972,434	49	735	\$0	\$1,823	\$200,530	\$202,353	9.7
Pool Cover Rebates	231	6,412,748	20	98	\$0	\$12,243	\$0	\$12,243	1.5
Subtotal	6,443	77,168,686	237	4,196	\$0	\$35,989	\$466,010	\$501,999	
IEUA Mult-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	2,101	25,946,831	80	1,593	\$0	\$71,434	\$126,060	\$197,494	5.8
Subtotal	2,101	25,946,831	80	1,593	\$0	\$71,434	\$126,060	\$197,494	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	111	998,277	3	61	\$0	\$0	\$27,750	\$27,750	0.0
Water Brooms (Rebates)	210	10,496,964	32	161	\$0	\$20,100	\$21,000	\$41,100	3.0
Water Brooms (Distribution)	113	5,648,366	17	87	\$0	\$10,600	\$11,300	\$21,900	3.0
Pre-Rinse Spray Nozzles	0	0	0	0	\$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	6,098	\$0	\$138,123	\$652,120	\$790,243	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	1,692	20,895,782	64	1,283	\$0	\$3,540	\$106,200	\$109,740	4.0
IEUA Regional Event (ULFT)	1,052	12,991,940	40	797	\$0	\$11,286	\$61,560	\$72,846	4.3
IEUA Rebate Program (ULFT)	198	2,445,251	8	150	\$0	\$198	\$11,880	\$12,078	3.8
High Efficiency Clothes Washers	1,395	12,545,915	39	578	\$0	\$1,476	\$162,360	\$163,836	10.0
Pool Cover Rebates	235	9,984,075	31	153	\$0	\$12,455	\$0	\$12,455	1.0
Subtotal	4,572	58,862,963	181	2,961	\$0	\$28,955	\$342,000	\$370,955	
IEUA Mult-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	891	11,003,630	34	675	\$0	\$33,728	\$59,520	\$93,248	6.5
Subtotal	891	11,003,630	34	675	\$0	\$33,728	\$59,520	\$93,248	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	148	1,331,036	4	61	\$0	\$0	\$37,000	\$37,000	21.2
Water Brooms	62	3,099,104	10	48	\$0	\$6,600	\$6,600	\$13,200	3.3
Pre-Rinse Spray Nozzles	462	23,033,104	71	353	\$0	\$0	\$23,100	\$23,100	0.8
X-Ray Film Processor (MWD CII)	13	13,555,402	42	208	\$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	\$0	\$6,600	\$92,700	\$99,300	
TOTAL	6,148	110,885,238	340	4,306	\$0	\$69,283	\$494,220	\$563,503	

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



City of Chino
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	74	832,023	3	36	\$0	\$3,750	\$6,290	\$10,040	1.8
Rotating Nozzles for Pop-up Spray Heads (1 App/ 75 Nozzles)	1	107,547	0	2	\$0	\$225	\$150	\$375	0.8
Weather based Irrigation Controllers (WBIC)	42	566,675	2	17	\$0	\$3,360	\$3,125	\$6,485	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	4	23,334	0	1	\$0	\$0	\$140	\$140	0.0
Turf Replacement (5,300 sq. ft.)	3	318,000	1	29	\$0	\$5,300	\$10,600	\$15,900	6.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	124	1,847,579	6	85	\$0	\$12,635	\$20,305	\$32,940	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	101	7,636,489	23	47	\$0	\$26,796	\$13,050	\$39,846	1.4
Residential Landscape Retrofit Program (23 WBIC/ 6 Nozzles)	15	318,926	1	10	\$0	\$8,105	\$4,678	\$12,783	10.0
Res. Education, Survey, and Controller Upgrade Program (127 WBIC)	113	1,713,517	5	53	\$0	\$78,735	\$9,680	\$88,415	18.0
Residential Pressure Regulation Program	76	341,804	1	10	\$0	\$48,509	\$1,900	\$50,409	55.7
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	305	10,010,735	31	120	\$0	\$162,145	\$29,308	\$191,453	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 sq. ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
FINAL TOTAL	429	11,858,315	36	204	\$0	\$174,780	\$49,613	\$224,393	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	5	40,086	0	2	\$0	\$300	\$200	\$500	2.9
High Efficiency Clothes Washers (HECW)	72	809,536	2	35	\$0	\$5,400	\$6,120	\$11,520	2.6
Rotating Nozzles for Pop-up Spray Heads (2 Apps/ 75 Nozzles)	2	107,547	0	2	\$0	\$225	\$150	\$375	0.8
Weather based Irrigation Controllers (WBIC)	45	607,152	2	19	\$0	\$3,600	\$3,600	\$7,200	2.3
Hose Bib Controller	1	13,492	0	0	\$0	\$0	\$35	\$35	0.0
Turf Replacement (8,522 sq. ft.)	5	511,320	2	47	\$0	\$8,522	\$17,044	\$25,566	6.5
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	189	14,290,063	44	88	\$0	\$43,199	\$28,350	\$71,549	1.2
Residential Landscape Retrofit Program (44 WBIC/ 114 Nozzles)	33	757,131	2	21	\$0	\$21,619	\$4,244	\$25,863	11.2
Res. Education, Survey, and Controller Upgrade Program (150 WBIC)	133	2,023,839	6	62	\$0	\$40,839	\$45,514	\$86,352	7.9
Residential Pressure Regulation Program	2	8,995	0	0	\$0	\$1,097	\$50	\$1,147	47.9
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	488	19,169,779	59	276	0	124,800	105,342	230,142	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (33,829 sq. ft.)	2	1,454,647	4	134	\$0	\$33,829	\$67,658	\$101,487	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	2	1,454,647	4	134	\$0	\$33,829	\$67,658	\$101,487	
TOTAL	490	20,624,426	63	410	\$0	\$158,629	\$173,000	\$331,629	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	7	56,120	0	3	\$0	\$420	\$280	\$700	2.9
High Efficiency Clothes Washers (HECW)	52	584,665	2	25	\$0	\$3,900	\$4,420	\$8,320	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	40	539,690	2	17	\$0	\$3,200	\$3,200	\$6,400	2.3
Turf Replacement (6,839 sq. ft.)	5	294,077	1	9	\$0	\$6,320	\$13,678	\$19,998	8.4
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	5	378,044	1	2	\$0	\$865	\$625	\$1,490	0.9
Residential Landscape Retrofit Program (1 WBIC/ 0 Nozzles)	1	13,492	0	0	\$0	\$605	\$0	\$605	17.6
Res. Education, Survey, and Controller Upgrade Program (5 WBIC)	4	67,461	0	2	\$0	\$1,639	\$1,151	\$2,790	9.5
Residential Pressure Regulation Program	2	8,995	0	0	\$0	\$351	\$73	\$424	15.3
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	116	1,942,544	6	59	0	17,300	23,427	40,727	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	59	248,042	0.76	8	\$0	\$885	\$2,065	\$2,950	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 sq. ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	59	248,042	1	8	\$0	\$885	\$2,065	\$2,950	
TOTAL	175	2,190,587	7	67	\$0	\$18,185	\$25,492	\$43,677	

(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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	20	160,343	0	10	\$0	\$1,200	\$800	\$2,000	3.1
High Efficiency Clothes Washers (HECW)	63	708,344	2	30	\$0	\$4,725	\$5,355	\$10,080	2.7
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	26	350,799	1	11	\$0	\$2,080	\$2,080	\$4,160	2.4
Turf Removal (4,986 Sq. Ft.)	3	214,398	1	7	\$0	\$3,852	\$9,972	\$13,824	7.3
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (1 Small Site/ 0 Large Sites)	1	13,655	0	0	\$541	\$0	\$0	\$541	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (2 WBIC)	2	26,985	0	1	\$0	\$837	\$513	\$1,349	12.6
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	116	1,475,142	8	59	\$541	\$12,694	\$18,755	\$31,990	5.2
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	4	16,816	0.05	1	\$0	\$60	\$140	\$200	1.5
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	4	16,816	0	1	\$0	\$60	\$140	\$200	
TOTAL	120	1,491,959	8	59	\$541	\$12,754	\$18,895	\$32,190	

⁽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

					Funding Sources (dollars)				
Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Outside Funding	IEUA	MWD	Total	Payback Period (years) ⁽¹⁾
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	7	56,120	0	3	\$0	\$420	\$280	\$700	5.3
High Efficiency Clothes Washers (HECW)	67	753,318	2	32	\$0	\$4,355	\$5,695	\$10,050	5.6
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 30 Nozzles)	30	43,012	0	1	\$0	\$90	\$60	\$150	1.5
Weather based Irrigation Controllers (WBIC)	24	323,814	1	10	\$0	\$1,680	\$1,920	\$3,600	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	23.9
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$528.50 Total Cost)	151	216,528	1	3	\$0	\$227	\$302	\$529	1.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	2	0	0	0	\$958	\$38	\$920	\$1,916	0.0
Residential Education, Survey, and Controller Upgrade Program (5 WBIC)	4	67,461	0	2	\$0	\$2,369	\$451	\$2,820	17.7
Residential Pressure Regulation Program	7	269,193	1	8	\$0	\$1,710	\$1,517	\$3,227	5.1
Subtotal	294	1,730,685	5	60	\$958	\$10,889	\$11,215	\$23,062	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	80	641,371	2	39	\$0	\$4,800	\$3,200	\$8,000	5.3
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	8,408	0.03	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	82	649,779	2	40	\$0	\$4,800	\$3,200	\$8,000	
TOTAL	376	2,380,465	7	100	\$958	\$15,689	\$14,415	\$31,062	

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

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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	40	320,686	1	20	\$0	\$3,080	\$1,480	\$4,560	6.2
High Efficiency Clothes Washers (HECW)	77	865,753	3	37	\$0	\$1,690	\$6,545	\$8,235	4.2
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	22	296,830	1	9	\$0	\$376	\$1,754	\$2,130	3.1
Turf Removal (22,224 Sq. Ft.)	15	941,564	3	29	\$0	\$0	\$44,448	\$44,448	20.7
Rain Barrels	7	4,334	0.01	0.07	\$0	\$0	\$525	\$525	53.1
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	200	286,792	1	4	\$0	\$320	\$400	\$720	1.1
Residential Landscape Retrofit Program (2 WBIC/0 Nozzles)	1	26,985	0.08	1	\$510	\$0	\$510	\$1,021	16.6
Residential Education, Survey, and Controller Upgrade Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	362	2,742,944	8	100	\$510	\$5,466	\$55,662	\$61,639	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	110	881,885	3	54	\$0	\$300	\$15,425	\$15,725	7.8
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (121,375 Sq. Ft.)	4	5,142,295	16	158	\$0	\$4,963	\$140,023	\$144,986	12.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	114	6,024,180	18	212	\$0	\$5,263	\$155,448	\$160,711	
TOTAL	476	8,767,124	27	312	\$510	\$10,729	\$211,111	\$222,350	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	183	2,534,687	8	156	\$0	\$4,884	\$17,915	\$22,799	4.1
High Efficiency Clothes Washers (HECW)	76	854,510	3	39	\$0	\$1,430	\$6,460	\$7,890	4.2
Rotating Nozzles for Pop-up Spray Heads	102	146,242	0	2	\$0	\$0	\$385	\$385	1.2
Weather based Irrigation Controllers (WBIC)	12	1,271,010	4	39	\$0	\$178	\$940	\$1,118	0.4
Turf Removal (44,912 Sq. Ft.)	25	1,902,787	6	58	\$0	\$0	\$86,424	\$86,424	20.5
Rain Barrels	16	9,907	0.03	0.15	\$0	\$0	\$1,200	\$1,200	54.7
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	108	154,868	0	2	\$0	\$173	\$216	\$389	1.1
Residential Landscape Retrofit Program (58 WBIC/245 Nozzles)	38	6,504,312	20	194	\$17,044	\$0	\$17,044	\$34,089	2.3
Landscape Transformation Program (2,400 Sq. Ft.)	3	109,502	0.34	3	\$720	\$7,554	\$0	\$8,274	32.7
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	563	13,487,825	41	494	\$17,764	\$14,218	\$130,585	\$162,567	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	253	3,504,240	11	215	\$0	\$11,550	\$30,450	\$42,000	5.2
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	29	3,071,608	9	94	\$0	\$2,340	\$37,239	\$39,579	5.6
Rotating Nozzles for Pop-up Spray Heads	5,350	7,671,686	24	118	\$0	\$0	\$21,400	\$21,400	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (409,006 Sq. Ft.)	11	17,328,357	53	532	\$0	\$97,945	\$578,136	\$676,082	16.9
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	2,206	3,019,529	9	93	\$0	\$11,030	\$11,030	\$22,060	3.2
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	7,849	34,595,419	106	1,051	\$0	\$122,865	\$678,255	\$801,121	
TOTAL	8,412	48,083,244	148	1,546	\$17,764	\$137,084	\$808,840	\$963,688	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	89	1,232,717	4	76	\$0	\$4,450	\$4,450	\$8,900	3.1
High Efficiency Clothes Washers (HECW)	86	773,556	2	36	\$0	\$5,590	\$7,310	\$12,900	7.2
Rotating Nozzles for Pop-up Spray Heads	82	117,585	0	2	\$0	\$82	\$328	\$410	1.5
Weather based Irrigation Controllers (WBIC)	2	211,835	1	7	\$0	\$140	\$160	\$300	0.6
Turf Removal (4,710 Sq. Ft.)	3	198,799	0.6	6	\$0	\$0	\$9,420	\$9,420	20.5
Rain Barrels	10	1,059,175	3	33	\$0	\$0	\$750	\$750	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	332	432,795	1	7	\$0	\$0	\$4,320	\$4,320	4.3
Residential Landscape Retrofit Program (47 WBIC/516 Nozzles)	32	5,716,286	18	164	\$29,305	\$0	\$29,305	\$58,610	4.4
Landscape Transformation Program (13,900 Sq. Ft.)	16	255,460	1	8	\$0	\$19,206	\$27,800	\$47,006	79.7
Subtotal	652	9,998,208	31	337	\$29,305	\$29,468	\$83,843	\$142,615	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	200	2,770,150	9	170	\$0	\$10,000	\$10,000	\$20,000	3.1
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	23	2,436,103	7	75	\$0	\$729	\$1,483	\$2,212	0.4
Rotating Nozzles for Pop-up Spray Heads	3,051	3,977,284	12	61	\$0	\$90	\$185	\$275	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (52,644 Sq. Ft.)	4	2,231,216	6.8	68	\$0	\$52,644	\$108,288	\$160,932	31.3
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	3,278	11,414,752	35	374	\$0	\$63,463	\$119,956	\$183,420	
TOTAL	3,930	21,412,960	66	712	\$29,305	\$92,931	\$203,799	\$326,035	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	15	207,730	1	13	\$0	\$750	\$750	\$1,500	3.1
High Efficiency Clothes Washers (HECW)	70	629,544	2	29	\$0	\$4,550	\$5,950	\$10,500	7.2
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	325	423,670	1	7	\$0	\$0	\$3,900	\$3,900	4.0
Residential Landscape Retrofit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Landscape Transformation Program (5,599 Sq. Ft.)	6	255,460	1	8	\$0	\$9,734	\$7,348	\$17,082	29.0
Subtotal	416	1,516,404	5	56	\$0	\$15,034	\$17,948	\$32,982	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1	13	\$0	\$729	\$1,483	\$2,212	2.3
Rotating Nozzles for Pop-up Spray Heads	53	69,080	0	1	\$0	\$90	\$185	\$275	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	660	860,247	3	13	\$0	\$0	\$2,145	\$2,145	1.1
Subtotal	717	1,352,933	4	27	\$0	\$819	\$3,813	\$4,633	
TOTAL	1,133	2,869,337	9	83	\$0	\$15,853	\$21,761	\$37,615	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	3	41,546	0.13	2.55	\$0	\$150	\$150	\$300	3.2
High Efficiency Clothes Washers (HECW)	102	917,336	2.82	42.23	\$0	\$6,630	\$8,670	\$15,300	7.5
Rotating Nozzles for Pop-up Spray Heads	2	2,607	0.01	0.04	\$0	\$2	\$8	\$10	1.7
Weather based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	\$0	\$210	\$240	\$450	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	748	975,093	2.99	14.96	\$0	\$0	\$3,900	\$3,900	1.8
Residential Landscape Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Landscape Transformation Program (5,648 Sq. Ft.)	6	257,696	0.79	7.91	\$1,412	\$4,688	\$5,648	\$11,748	20.4
Subtotal	864	2,511,982	8	77	\$1,412	\$11,680	\$18,616	\$31,708	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	102	1,412,564	4.34	86.70	\$7,481	\$3,637	\$5,100	\$16,218	5.1
Subtotal	102	1,412,564	4	87	\$7,481	\$3,637	\$5,100	\$16,218	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	\$0	\$50	\$50	\$100	3.2
Waterless Urinals	1	39,982	0.12	2.45	\$0	\$100	\$200	\$300	3.4
Cooling Tower 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
Weather based Irrigation Controllers (WBIC)	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
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	3,340	4,353,369	13	67	\$0	\$0	\$10,020	\$10,020	1.0
Subtotal	3,342	4,407,200	14	70	1	\$150	\$10,270	\$10,421	
TOTAL	4,308	8,331,746	26	234	\$8,894	\$15,467	\$33,986	\$58,347	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	126	1,133,179	3.48	52.16	\$0	\$0	\$10,710	\$10,710	4.5
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	\$0	\$90	\$160	\$250	0.6
FreeSprinklerNozzles.com Program	1,103	1,437,871	4.41	22.06	\$0	\$0	\$3,600	\$3,600	1.2
Residential Landscape Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	1,231	2,782,853	9	81	\$0	\$90	\$14,470	\$14,560	
IEUA Mult-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	2	27,697	0.09	1.70	\$147	\$71	\$100	\$318	5.5
IEUA Single-Family Direct Install Prog. (HET)	82	1,135,591	3.49	69.70	\$6,014	\$2,924	\$4,100	\$13,038	5.5
Subtotal	84	1,163,288	4	71	\$6,161	\$2,995	\$4,200	\$13,356	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	6	239,892	0.74	14.72	\$0	\$300	\$1,200	\$1,500	3.0
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
Weather Based Irrigation Controllers (WBIC)	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
FreeSprinklerNozzles.com Program	1,855	2,417,814	7.42	37.10	\$0	\$0	\$5,565	\$5,565	1.1
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	1,861	2,657,706	8	52	\$0	\$300	\$6,765	\$7,065	
TOTAL	3,176	6,603,847	20	204	\$6,161	\$3,385	\$25,435	\$34,981	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	\$670	\$21,295	\$21,965	
IEUA Mult-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	0.04	0.85	\$73	\$36	\$50	\$159	
CII 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	0.00	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 Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	111	4,437,993	14	272	\$0	\$5,550	\$22,200	\$27,750	
TOTAL	456	6,623,945	20	367	\$73	\$6,256	\$43,545	\$49,874	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	147	2,035,754	6.25	124.95	\$0	\$5,145	\$7,350	\$12,495	4.0
High Efficiency Clothes Washers (HECW)	49	440,681	1.35	20.29	\$0	\$2,450	\$5,390	\$7,840	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	0.8
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	\$0	\$632	\$421	\$1,053	10.7
Subtotal	200	2,646,386	8	150	\$0	\$8,272	\$13,241	\$21,513	
IEUA Mult-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
CII 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	\$0	\$13,635	\$16,665	\$30,300	14.2
Waterless Urinals	15	599,729	1.84	36.81	\$0	\$0	\$6,000	\$6,000	6.5
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
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	\$0	\$120	\$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	126	\$0	\$13,755	\$22,865	\$36,620	
TOTAL	317	4,750,732	15	276	\$0	\$22,027	\$36,106	\$58,133	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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)	178	2,465,063	7.57	151.30	\$0	\$0	\$29,370	\$29,370	7.8
High Efficiency Clothes Washers (HECW)	87	782,433	2.40	36.02	\$0	\$0	\$9,570	\$9,570	8.0
Rotating Nozzles for Pop-up Spray Heads	40	52,136	0.16	0.80	\$0	\$0	\$160	\$160	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	\$0	\$0	\$80	\$80	0.5
Water Wise Landscape (Turf Buy Back) (5,966 Sq. Ft.)	4	272,164	0.84	8.35	\$0	\$7,300	\$0	\$7,300	17.5
Synthetic Turf (6,233 Sq. Ft.)	8	284,344	0.87	8.73	\$0	\$1,870	\$1,870	\$3,740	8.6
Subtotal	318	3,962,042	12	208	\$0	\$9,170	\$41,050	\$50,220	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	235	3,254,437	9.99	199.75	\$17,235	\$8,380	\$38,775	\$64,390	12.9
Subtotal	235	3,254,437	10	200	\$17,235	\$8,380	\$38,775	\$64,390	
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)	26	360,065	1.11	22.10	\$0	\$3,510	\$4,290	\$7,800	14.2
Waterless Urinals	29	1,159,476	3.56	71.17	\$0	\$0	\$11,600	\$11,600	6.5
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	3	26,980	0.08	0.83	\$0	\$300	\$240	\$540	13.1
Water Brooms	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	8	847,213	2.60	26.00	\$0	\$0	\$5,352	\$5,352	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	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	15	747,828	2.30	11.48	\$0	\$0	\$900	\$900	0.8
Subtotal	81	3,141,562	10	132	\$0	\$3,810	\$22,382	\$26,192	
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)	44	14,222,744	43.65	436.48	\$0	\$0	\$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	10.7
Subtotal	45	15,241,283	47	468	\$0	\$0	\$229,275	\$229,275	
TOTAL	679	25,599,324	79	1,008	\$17,235	\$21,360	\$331,482	\$370,077	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	1,528,893	4.69	70.38	\$0	\$0	\$18,700	\$18,700	9.3
Rotating 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	\$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	\$998	\$1,680	\$4,732	10.4
Subtotal	28	345,793	1	21	\$2,054	\$998	\$1,680	\$4,732	
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)	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
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	250	7,173,284	22	398	\$0	\$30,450	\$71,190	\$101,640	
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	\$0	\$0	\$78,435	\$78,435	
TOTAL	572	13,390,260	41	655	\$2,054	\$32,113	\$171,118	\$205,284	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	4.0
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$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	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	2	423,606	1.30	13.00	\$0	\$320	\$160	\$480	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	28	5,930,488	18.20	182.00	\$0	\$0	\$6,720	\$6,720	0.9
Subtotal	187	10,503,253	32	388	\$0	\$320	\$23,600	\$23,920	
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	\$159,536	11.4
Subtotal	944	10,673,836	33	655	\$69,233	\$33,663	\$56,640	\$159,536	
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	1	39,917	0.12	2.45	\$0	\$0	\$400	\$400	7.6
Conductivity Controller	1	209,848	0.64	3.22	\$0	\$0	\$625	\$625	2.3
High Efficiency Clothes Washers (HECW)	24	661,608	2.03	30.46	\$0	\$1,680	\$3,120	\$4,800	5.5
Water Brooms	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	423,606	1.30	13.00	\$0	\$0	\$1,260	\$1,260	2.3
Subtotal	28	12,008,815	37	704	\$69,233	\$35,343	\$62,045	\$166,621	
TOTAL	1,159	33,185,904	102	1,747	\$138,466	\$69,326	\$142,285	\$350,077	

(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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	33	373,132	1.15	22.90	\$0	\$33	\$1,980	\$2,013	4.1
High Efficiency Clothes Washers	128	1,151,166	3.53	52.99	\$0	\$128	\$14,080	\$14,208	9.4
Subtotal	161	1,524,298	5	76	\$0	\$161	\$16,060	\$16,221	
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	11.1
Subtotal	145	1,639,519	5	101	\$0	\$15,225	\$8,700	\$23,925	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
TOTAL	306	3,163,818	10	177	\$0	\$15,386	\$24,760	\$40,146	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	236	2,668,459	8.19	163.78	\$0	\$1,534	\$14,160	\$15,694	4.5
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	\$0	\$22	\$120	\$142	4.8
IEUA Rebate Program (ULFT)	44	497,509	1.53	30.54	\$0	\$44	\$2,640	\$2,684	4.1
High Efficiency Clothes Washers	195	1,753,730	5.38	80.73	\$0	\$195	\$21,450	\$21,645	9.4
Pool Cover Rebates	6	102,492	0.31	1.57	\$0	\$1,219	\$0	\$1,219	9.1
Subtotal	483	5,044,804	15	278	\$0	\$3,014	\$38,370	\$41,384	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	8	90,456	0.28	5.55	\$0	\$840	\$480	\$1,320	11.1
Subtotal	8	90,456	0	6	\$0	\$840	\$480	\$1,320	
CII Save-A-Buck Rebate Program									
ULFT (Tank)	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	18	161,883	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
X-Ray Film Processor (MWD CII)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	18	161,883	0	7	\$0	\$0	\$4,500	\$4,500	
TOTAL	509	5,297,143	16	291	\$0	\$3,854	\$43,350	\$47,204	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	287	3,245,118	9.96	199.18	\$0	\$574	\$17,220	\$17,794	4.7
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	\$0	\$22	\$120	\$142	3.4
IEUA Rebate Program (ULFT)+A43	130	1,469,914	4.51	90.22	\$0	\$130	\$7,800	\$7,930	4.6
High Efficiency Clothes Washers	130	1,169,153	3.59	53.82	\$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	572	6,709,653	21	357	\$0	\$2,075	\$39,440	\$41,515	
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	4.2
Subtotal	106	1,198,545	4	74	\$0	\$3,604	\$6,360	\$9,964	
CII 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 (Rebate)	2	99,971	0.31	1.53	\$0	\$0	\$200	\$200	1.6
Water Brooms (Distribution)	24	1,199,653	3.68	18.41	\$0	\$2,400	\$2,400	\$4,800	3.1
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	44	1,461,507	4	27	\$0	\$2,400	\$7,100	\$9,500	
TOTAL	722	9,369,705	29	458	\$0	\$8,079	\$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	4.7
IEUA Regional Event (ULFT)	33	373,132	1.15	22.90	\$0	\$363	\$1,980	\$2,343	5.6
IEUA Rebate Program (ULFT)	14	158,298	0.49	9.72	\$0	\$14	\$840	\$854	5.1
High Efficiency Clothes Washers	127	1,142,173	3.51	52.58	\$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	569	7,104,190	22	361	\$0	\$2,569	\$38,990	\$41,559	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	158	1,786,511	5.48	109.65	\$0	\$5,372	\$9,480	\$14,852	4.2
Subtotal	158	1,786,511	5	110	\$0	\$5,372	\$9,480	\$14,852	
CII 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 (MWD CII)	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	90	\$0	\$900	\$22,650	\$23,550	
TOTAL	847	13,973,911	43	560	\$0	\$8,841	\$71,120	\$79,961	

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



City of Chino Hills
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	6	48,103	0	3	\$0	\$360	\$240	\$600	2.9
High Efficiency Clothes Washers (HECW)	119	1,337,982	4	57	\$2,050	\$7,575	\$10,115	\$19,740	2.2
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 34 Nozzles)	1	0	0	0	\$0	\$102	\$58	\$160	0.0
Weather based Irrigation Controllers (WBIC)	53	715,090	2	22	\$0	\$4,240	\$4,069	\$8,309	2.3
Weather based Irrigation Controllers for Large Landscapes (16 Stations)	1	93,338	0	3	\$0	\$160	\$250	\$410	0.7
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (15,363 sq. ft.)	11	921,780	3	85	\$0	\$15,363	\$30,726	\$46,089	6.5
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	9	146,655	0	5	\$0	\$540	\$877	\$1,417	1.4
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	201	3,263,567	10	175	\$2,050	\$28,340	\$46,371	\$76,761	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	214	16,180,283	50	99	\$0	\$54,649	\$30,900	\$85,549	1.3
Residential Landscape Retrofit Program (48 WBIC/ 0 Nozzles)	32	647,628	2	20	\$0	\$16,110	\$11,573	\$27,683	9.8
Res. Education, Survey, and Controller Upgrade Program (254 WBIC)	234	3,427,034	11	105	\$0	\$116,292	\$20,000	\$136,292	13.3
Residential Pressure Regulation Program	22	98,943	0	3	\$0	\$12,622	\$450	\$13,072	50.1
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	502	20,353,889	62	227	\$0	\$199,672	\$62,923	\$262,596	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	390	3,126,685	10	192	\$0	\$23,400	\$15,600	\$39,000	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (83 Stations)	1	484,190	1	15	\$0	\$1,245	\$2,905	\$4,150	1.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 sq. ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	391	3,610,874	11	207	\$0	\$24,645	\$18,505	\$43,150	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	85	879,930	3	14	\$476	\$11,208	\$11,738	\$23,422	5.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	85	879,930	3	14	\$476	\$11,208	\$11,738	\$23,422	
FINAL TOTAL	1,179	28,108,260	86	622	\$2,526	\$263,865	\$139,537	\$405,928	

⁽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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	10	80,171	0	5	\$0	\$600	\$400	\$1,000	2.9
High Efficiency Clothes Washers (HECW)	108	1,214,303	4	52	\$1,450	\$8,100	\$9,180	\$18,730	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	85	1,146,842	4	35	\$0	\$6,800	\$6,454	\$13,254	2.3
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (19,135 sq. ft.)	16	1,148,100	4	106	\$0	\$19,135	\$38,270	\$57,405	6.5
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	446	33,721,525	103	207	\$0	\$93,016	\$66,750	\$159,766	1.1
Residential Landscape Retrofit Program (106 WBIC/ 248 Nozzles)	77	1,785,802	5	49	\$0	\$53,758	\$10,540	\$64,298	11.8
Res. Education, Survey, and Controller Upgrade Program (287 WBIC)	262	3,872,279	12	119	\$0	\$87,638	\$78,119	\$165,758	8.9
Residential Pressure Regulation Program	83	373,286	1	11	\$0	\$48,496	\$2,100	\$50,596	51.0
Leak Detection Pilot Program	96	2,346,480	7	72	\$0	\$7,252	\$9,195	\$16,447	1.2
Subtotal	1,184	45,689,407	140	657	\$1,450	\$324,796	\$221,043	\$547,289	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	33	138,736	0.43	4	\$0	\$495	\$1,155	\$1,650	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (29,213 sq. ft.)	3	1,256,159	4	116	\$0	\$29,213	\$58,426	\$87,639	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	36	1,394,895	4	120	\$0	\$29,708	\$59,581	\$89,289	
TOTAL	1,220	47,084,302	144	776	\$1,450	\$354,504	\$280,624	\$636,578	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	4	32,069	0	2	\$0	\$240	\$160	\$400	2.9
High Efficiency Clothes Washers (HECW)	47	528,447	2	23	\$0	\$3,525	\$3,995	\$7,520	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	85	1,146,842	4	35	\$0	\$6,800	\$6,800	\$13,600	2.3
Turf Replacement (19,357 sq. ft.)	18	832,351	3	26	\$0	\$19,007	\$38,714	\$57,721	9.0
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	218	16,482,718	51	101	\$0	\$53,407	\$27,310	\$80,717	1.3
Residential Landscape Retrofit Program (54 WBIC/ 65 Nozzles)	41	821,789	3	24	\$808	\$14,765	\$15,729	\$31,302	7.1
Res. Education, Survey, and Controller Upgrade Program (238 WBIC)	217	3,211,158	10	99	\$0	\$100,004	\$42,303	\$142,307	12.2
Residential Pressure Regulation Program	58	260,850	1	8	\$0	\$19,181	\$13,481	\$32,662	28.9
Leak Detection Pilot Program	84	2,053,170	6	63	\$0	\$14,391	\$0	\$14,391	2.8
Subtotal	774	25,370,633	78	380	\$808	\$231,319	\$148,562	\$380,690	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	8	33,633	0.10	1	\$0	\$120	\$280	\$400	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (77,620 sq. ft.)	6	3,337,660	10	102	\$10,000	\$45,823	\$155,240	\$211,063	5.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	14	3,371,293	10	103	\$10,000	\$45,943	\$155,520	\$211,463	
TOTAL	788	28,741,926	88	483	\$10,808	\$277,262	\$304,082	\$592,153	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	12	96,206	0	6	\$0	\$720	\$480	\$1,200	3.1
High Efficiency Clothes Washers (HECW)	69	775,805	2	33	\$0	\$5,175	\$5,865	\$11,040	2.7
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	79	1,065,889	3	33	\$0	\$6,320	\$6,320	\$12,640	2.4
Turf Removal (1,002 Sq. Ft.)	2	43,086	0.1	1	\$0	\$1,002	\$2,004	\$3,006	9.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (8 Small Sites/ 5 Large Sites)	13	N/A	N/A	N/A	\$7,037	\$0	\$0	\$7,037	0.0
Residential Landscape Retrofit Program (9 WBIC/ 76 Nozzles)	9	230,411	1	5	\$4,068	\$0	\$4,234	\$8,303	0.0
Res. Education, Survey, and Controller Upgrade Program (24 WBIC)	24	323,814	1	10	\$0	\$10,040	\$6,153	\$16,193	12.6
Residential Pressure Regulation Program	92	3,537,970	11	109	\$0	\$24,400	\$23,443	\$47,843	2.8
Subtotal	300	6,073,181	8	197	\$11,105	\$47,656	\$48,500	\$107,261	17.3
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	15	63,062	0.19	2	\$0	\$225	\$525	\$750	1.5
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	15	63,062	0	2	\$0	\$3,833	\$525	\$4,358	
TOTAL	315	6,136,243	9	199	\$11,105	\$51,489	\$49,025	\$111,618	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	21	168,360	1	10	\$0	\$1,260	\$840	\$2,100	5.3
High Efficiency Clothes Washers (HECW)	76	854,510	3	37	\$0	\$4,940	\$6,460	\$11,400	5.6
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 33 Nozzles)	33	47,314	0	1	\$0	\$99	\$66	\$165	1.5
Weather based Irrigation Controllers (WBIC)	39	526,198	2	16	\$0	\$2,730	\$3,120	\$5,850	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	2	0	0	0	\$0	\$0	\$70	\$70	0.0
Cisterns	2	0	0	0	\$0	\$0	\$600	\$600	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$350.00 Total Cost)	100	143,396	0	2	\$0	\$150	\$200	\$350	1.0
Residential Landscape Retrofit Program (73 WBIC/ 1,117 Nozzles)	54	2,586,668	8	60	\$25,866	\$1,035	\$24,831	\$51,732	8.5
Residential Education, Survey, and Controller Upgrade Program (40 W	34	539,690	2	17	\$0	\$20,135	\$3,835	\$23,970	18.8
Residential Pressure Regulation Program	90	3,461,058	11	106	\$0	\$21,990	\$19,500	\$41,490	5.1
Subtotal	451	8,327,194	26	248	\$25,866	\$52,338	\$59,523	\$137,727	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	288	394,209	1	0	\$0	\$2,880	\$1,440	\$4,320	4.6
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	288	394,209	1	0	\$0	\$2,880	\$1,440	\$4,320	
TOTAL	739	8,721,403	27	248	\$25,866	\$55,218	\$60,963	\$142,047	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	23	184,394	1	11	\$0	\$478	\$940	\$1,418	3.4
High Efficiency Clothes Washers (HECW)	101	1,135,599	3	49	\$0	\$2,340	\$8,585	\$10,925	4.2
Rotating Nozzles for Pop-up Spray Heads	80	114,700	0.35	2	\$0	\$80	\$131	\$211	0.8
Weather based Irrigation Controllers (WBIC)	71	957,950	3	29	\$0	\$2,385	\$5,680	\$8,065	3.7
Turf Removal (11,439 Sq. Ft.)	13	484,636	1	15	\$0	\$0	\$22,878	\$22,878	20.7
Rain Barrels	1	619	0.002	0.01	\$0	\$0	\$35	\$35	24.8
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	124	177,811	1	3	\$0	\$198	\$248	\$446	1.1
Residential Landscape Retrofit Program (58 WBIC/757 Nozzles)	38	1,868,059	6	41	\$19,125	\$1,058	\$18,067	\$38,250	9.0
Residential Education, Survey, and Controller Upgrade Program	9	121,430	0.37	4	\$0	\$5,048	\$882	\$5,930	21.4
Residential Pressure Regulation Program	73	1,724,989	5	53	\$0	\$12,133	\$10,692	\$22,825	5.8
Subtotal	533	6,770,187	21	206	\$19,125	\$23,720	\$68,138	\$110,983	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	5,175	7,420,743	23	114	\$0	\$10,350	\$10,350	\$20,700	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (122,745 Sq. Ft.)	7	5,200,337	16	160	\$0	\$59,215	\$139,745	\$198,960	16.8
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	5,182	12,621,080	39	273	\$0	\$69,565	\$150,095	\$219,660	
TOTAL	5,715	19,391,267	60	479	\$19,125	\$93,285	\$218,233	\$330,643	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	331	4,584,598	14	281	\$0	\$5,194	\$31,578	\$36,772	3.6
High Efficiency Clothes Washers (HECW)	107	1,203,060	4	55	\$0	\$3,250	\$8,925	\$12,175	4.6
Rotating Nozzles for Pop-up Spray Heads	52	74,555	0	1	\$0	\$0	\$142	\$142	0.9
Weather based Irrigation Controllers (WBIC)	30	3,177,525	10	98	\$0	\$637	\$2,267	\$2,903	0.4
Turf Removal (108,896 Sq. Ft.)	76	4,613,597	14	142	\$0	\$0	\$208,966	\$208,966	20.5
Rain Barrels	69	42,725	0.13	1	\$0	\$0	\$5,159	\$5,159	54.6
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	295	423,018	1	6	\$0	\$472	\$590	\$1,062	1.1
Residential Landscape Retrofit Program (19 WBIC/163 Nozzles)	12	2,246,168	7	65	\$6,354	\$0	\$6,354	\$12,709	2.6
Landscape Transformation Program (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	10	3,910,800	12	120	\$0	\$3,419	\$2,281	\$5,700	0.7
Subtotal	982	20,276,046	62	769	\$6,354	\$12,972	\$266,261	\$285,587	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	14	193,911	1	12	\$0	\$0	\$2,030	\$2,030	4.7
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	38	4,024,865	12	124	\$0	\$0	\$15,050	\$15,050	1.7
Rotating Nozzles for Pop-up Spray Heads	800	1,147,168	4	18	\$0	\$0	\$3,200	\$3,200	1.3
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (286,701 Sq. Ft.)	14	12,146,661	37	373	\$0	\$224,981	\$570,402	\$795,383	29.6
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	544	709,158	2	11	\$0	\$1,243	\$1,088	\$2,331	1.5
Subtotal	1,410	18,221,763	56	537	\$0	\$226,223	\$591,770	\$817,993	
TOTAL	2,392	38,497,809	118	1,306	\$6,354	\$239,195	\$858,031	\$1,103,581	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	342	4,736,957	15	291	\$0	\$17,100	\$17,100	\$34,200	3.1
High Efficiency Clothes Washers (HECW)	154	1,385,205	4	64	\$0	\$10,010	\$13,090	\$23,100	7.2
Rotating Nozzles for Pop-up Spray Heads	409	533,172	2	8	\$0	\$409	\$1,636	\$2,045	1.7
Weather based Irrigation Controllers (WBIC)	8	847,340	3	26	\$0	\$560	\$640	\$1,200	0.6
Turf Removal (1,505 Sq. Ft.)	3	61,921	0.2	2	\$0	\$0	\$3,010	\$3,010	21.8
Rain Barrels	24	2,542,020	8	78	\$0	\$0	\$1,800	\$1,800	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	737	960,753	3	15	\$0	\$0	\$5,850	\$5,850	2.6
Residential Landscape Retrofit Program (65 WBIC/1,138 Nozzles)	43	8,473,400	26	236	\$44,560	\$0	\$44,560	\$89,120	4.6
Landscape Transformation Program (13,820 Sq. Ft.)	16	268,235	1	8	\$0	\$19,124	\$27,640	\$46,764	62.2
Subtotal	1,736	19,809,004	61	728	\$44,560	\$47,203	\$115,326	\$207,089	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	2	27,702	0	2	\$0	\$270	\$330	\$600	9.4
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	9	953,258	3	29	\$0	\$7,934	\$30,416	\$38,350	17.4
Rotating Nozzles for Pop-up Spray Heads	372	484,939	1	7	\$0	\$372	\$1,488	\$1,860	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (521,813 Sq. Ft.)	23	22,107,651	68	678	\$0	\$486,570	\$1,077,150	\$1,563,720	30.7
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	406	23,573,550	72	717	\$0	\$495,146	\$1,109,384	\$1,604,531	
TOTAL	2,142	43,382,553	133	1,444	\$44,560	\$542,349	\$1,224,710	\$1,811,620	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	76	1,052,499	3.23	64.60	\$0	\$3,800	\$3,800	\$7,600	3.1
High Efficiency Clothes Washers (HECW)	140	1,259,088	3.86	57.96	\$0	\$9,100	\$11,900	\$21,000	7.2
Rotating Nozzles for Pop-up Spray Heads	3	3,910	0.01	0.06	\$0	\$3	\$12	\$15	1.7
Weather based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	\$0	\$280	\$320	\$600	0.6
Rain Barrels	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	490	638,764	1.96	9.80	\$0	\$0	\$5,281	\$5,281	3.6
Residential Landscape Retrofit Program (51 WBIC/442 Nozzles)	30	6,192,100	19.00	177.00	\$16,455	\$0	\$16,455	\$32,911	2.3
Landscape Transformation Program (5,879 Sq. Ft.)	8	268,235	0.82	8.23	\$0	\$14,159	\$5,879	\$20,038	32.4
Subtotal	751	9,838,203	30	331	\$16,455	\$27,342	\$43,648	\$87,445	
SoCal Water\$mart Commercial Rebates									
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
Cooling Tower Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	52	5,506,882	16.90	169.00	\$0	\$7,934	\$30,416	\$38,350	3.0
Rotating Nozzles for Pop-up Spray Heads	1,805	2,352,644	7.22	36.10	\$0	\$1,805	\$7,220	\$9,025	1.7
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	2,635	3,434,470	11	53	\$0	\$0	\$8,564	\$8,564	1.1
Subtotal	4,492	11,293,996	35	258	\$0	\$9,739	\$46,200	\$55,940	
TOTAL	5,243	21,132,198	65	588	\$16,455	\$37,081	\$89,847	\$143,384	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	125	1,124,186	3.45	51.75	\$0	\$8,125	\$10,625	\$18,750	7.5
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	5	529,508	1.63	16.25	\$0	\$350	\$400	\$750	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	3,572	4,656,459	14.29	71.44	\$0	\$0	\$5,281	\$5,281	0.5
Residential Landscape Retrofit Program	21	5,540,300	17.00	135.00	\$12,311	\$2,004	\$14,316	\$28,631	2.3
Landscape Transformation Program (2,666 Sq. Ft.)	4	121,639	0.37	3.73	\$667	\$2,213	\$2,666	\$5,545	20.4
Subtotal	3,727	11,972,092	37	278	\$12,978	\$12,692	\$33,288	\$58,957	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	81	1,121,742	3.44	68.85	\$5,941	\$2,888	\$4,050	\$12,879	5.1
Subtotal	81	1,121,742	3	69	\$5,941	\$2,888	\$4,050	\$12,879	
SoCal Water\$mart Commercial Rebates									
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
Cooling Tower 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
Weather based Irrigation Controllers (WBIC)	9	953,114	2.93	29.25	\$0	\$5,517	\$8,500	\$14,017	6.6
Rotating Nozzles for Pop-up Spray Heads	1,718	2,239,248	6.87	34.36	\$0	\$1,718	\$6,872	\$8,590	1.7
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	1,760	2,293,991	7.04	35.20	\$0	\$0	\$5,720	\$5,720	1.1
Subtotal	3,487	5,486,353	17	99	\$0	\$7,235	\$21,092	\$28,328	
TOTAL	7,295	18,580,187	57	446	\$18,918	\$22,815	\$58,430	\$100,164	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	232	2,086,489	6.40	96.05	\$0	\$0	\$19,720	\$19,720	4.5
Rotating Nozzles for Pop-up Spray Heads	31	40,406	0.12	0.62	\$0	\$62	\$93	\$155	1.8
Weather Based Irrigation Controllers (WBIC)	7	741,311	2.28	22.75	\$0	\$315	\$560	\$875	0.6
FreeSprinklerNozzles.com Program	1,995	2,600,682	7.98	39.90	\$0	\$0	\$4,875	\$4,875	0.9
Residential Landscape Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	2,265	5,468,888	17	159	\$0	\$377	\$25,248	\$25,625	
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
IEUA Single-Family Direct Install Prog. (HET)	33	457,006	1.40	28.05	\$2,420	\$1,177	\$1,650	\$5,247	0.0
Subtotal	33	457,006	1	28	\$2,420	\$1,177	\$1,650	\$5,247	
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
PH 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
Weather Based Irrigation Controllers (WBIC)	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
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	2,298	5,925,894	18	187	\$2,420	\$1,554	\$26,898	\$30,872	

⁽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⁾
					Outside Funding	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	0.26	1.30	\$0	\$0	\$4,875	\$4,875	37.6
Subtotal	583	4,226,235	13	192	\$0	\$1,075	\$40,270	\$41,345	
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	\$0	\$0	\$0	\$0	
CII 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	4.1
PH Conductivity Controller	1	209,848	0.64	3.22	\$0	\$500	\$1,750	\$2,250	7.0
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	202	\$0	\$4,550	\$17,950	\$22,500	
TOTAL	665	7,674,618	24	394	\$0	\$5,625	\$58,220	\$63,845	

⁽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⁾
					Outside Funding	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	\$885	\$2,213	10.7
Subtotal	552	3,144,449	10	148	\$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	\$0	\$0	\$0	\$0	
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	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	33	\$0	\$3,960	\$6,600	\$10,560	
TOTAL	562	4,203,465	13	181	\$0	\$16,819	\$27,411	\$44,230	

⁽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⁾
					Outside Funding	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)	70	969,407	2.98	59.50	\$0	\$0	\$11,550	\$11,550	7.8
High Efficiency Clothes Washers (HECW)	207	1,861,652	5.71	85.70	\$0	\$0	\$22,770	\$22,770	8.0
Rotating Nozzles for Pop-up Spray Heads	36	46,923	0.14	0.72	\$0	\$0	\$144	\$144	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	\$0	\$0	\$80	\$80	0.5
Water Wise Landscape (Turf Buy Back) (16,789 Sq. Ft.)	16	765,900	2.35	23.50	\$0	\$25,484	\$0	\$25,484	21.7
Synthetic Turf (28,243 Sq. Ft.)	23	1,288,421	3.95	39.54	\$0	\$8,473	\$8,473	\$16,946	8.6
Subtotal	353	5,038,204	15	212	\$0	\$33,957	\$43,017	\$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
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
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)	387	5,359,434	16.45	328.95	\$0	\$52,245	\$63,855	\$116,100	14.2
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
High Efficiency Clothes Washers	5	44,967	0.14	1.38	\$0	\$500	\$400	\$900	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
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Pre-Rinse Nozzles	10	498,552	1.53	7.65	\$0	\$0	\$600	\$600	0.8
Subtotal	402	5,902,954	18	338	\$0	\$52,745	\$64,855	\$117,600	
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)	347	112,165,735	344.22	3,442.24	\$0	\$0	\$1,411,069	\$1,411,069	8.2
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	347	112,165,735	344	3,442	\$0	\$0	\$1,411,069	\$1,411,069	
	1,102	123,106,892	378	3,992	\$0		\$1,518,940	\$1,605,642	

⁽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⁾
					Outside Funding	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
Water 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	123	\$0	\$2,211	\$30,237	\$32,448	
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	\$0	\$0	\$0	\$0	
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
Waterless Urinals	14	559,747	1.72	34.36	\$0	\$0	\$5,600	\$5,600	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 (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	\$0	\$0	\$5,600	\$5,600	
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	35	\$0	\$0	\$17,100	\$17,100	
TOTAL	328	5,441,379	17	191	\$0	\$2,211	\$52,937	\$55,148	

⁽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⁾
					Outside Funding	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	2.60	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	379	\$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	\$0	\$0	\$0	\$0	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
ULFT Tank	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
High Efficiency Toilets (HET)	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
Zero Water Urinal	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
Conductivity Controller	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
Water Brooms	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.0	0.0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	252	9,081,793	28	379	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	65	734,957	2.26	45.11	\$0	\$130	\$7,800	\$7,930	8.2
High Efficiency Clothes Washers	214	1,924,606	5.91	88.60	\$0	\$130	\$14,300	\$14,430	5.7
Subtotal	279	2,659,563	8	134	\$0	\$260	\$22,100	\$22,360	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,175	13,285,760	40.77	815.45	\$0	\$3,604	\$6,360	\$9,964	0.6
Subtotal	1,175	13,285,760	41	815	\$0	\$3,604	\$6,360	\$9,964	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
TOTAL	1,454	15,945,323	49	949	\$0	\$3,864	\$28,460	\$32,324	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	7	79,149	0.24	4.86	\$0	\$77	\$420	\$497	4.8
IEUA Rebate Program (ULFT)	79	893,255	2.74	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	\$0	\$781	\$38,930	\$39,711	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	530	5,992,726	18.39	367.82	\$0	\$55,650	\$31,800	\$87,450	11.1
Subtotal	530	5,992,726	18	368	\$0	\$55,650	\$31,800	\$87,450	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
TOTAL	929	9,828,623	30	556	\$0	\$56,431	\$70,730	\$127,161	

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

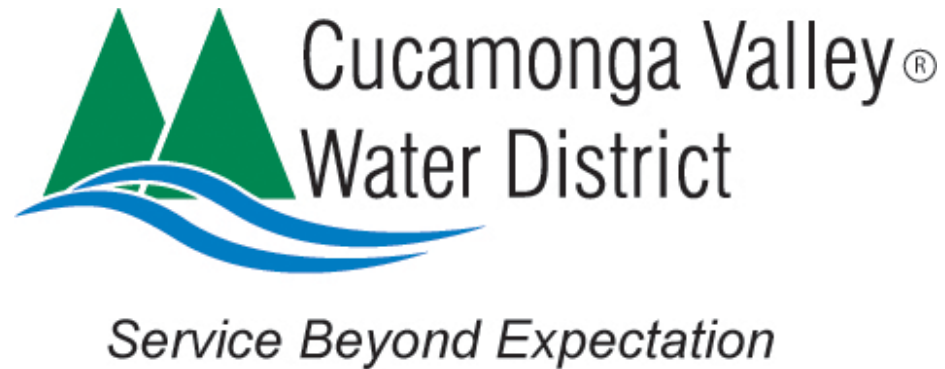
City of Chino Hills

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
IEUA Regional Event (ULFT)	3	33,921	0.10	2.08	\$0	\$33	\$180	\$213	5.1
IEUA Rebate Program (ULFT)	189	2,137,029	6.56	131.17	\$0	\$189	\$11,340	\$11,529	4.6
High Efficiency Clothes Washers	233	2,095,483	6.43	96.46	\$0	\$233	\$25,630	\$25,863	5.7
Pool Cover Rebates	21	802,854	2.46	12.30	\$0	\$1,113	\$0	\$1,113	2.4
Subtotal	446	5,069,286	16	242	\$0	\$1,568	\$37,150	\$38,718	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	25	282,676	0.87	17.35	\$0	\$850	\$1,500	\$2,350	4.3
Subtotal	25	282,676	1	17	\$0	\$850	\$1,500	\$2,350	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Water Brooms (Rebate)	19	949,725	2.91	14.57	\$0	\$1,900	\$1,900	\$3,800	3.1
Water Brooms (Distribution)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Subtotal	19	949,725	3	15	\$0	\$1,900	\$1,900	\$3,800	
TOTAL	490	6,301,687	19	274	\$0	\$4,318	\$40,550	\$44,868	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
IEUA Regional Event (ULFT)	48	542,737	1.67	33.31	\$0	\$528	\$2,880	\$3,408	5.4
IEUA Rebate Program (ULFT)	28	316,597	0.97	19.43	\$0	\$28	\$1,680	\$1,708	4.5
High Efficiency Clothes Washers	199	1,789,704	5.49	82.39	\$0	\$199	\$21,890	\$22,089	5.8
Pool Cover Rebates	27	1,246,986	3.83	19.15	\$0	\$1,431	\$0	\$1,431	2.4
Subtotal	302	3,896,024	12	154	\$0	\$2,186	\$26,450	\$28,636	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
CII 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
Pre-Rinse Spray Nozzles	16	20,854	0.06	0.32	\$0	\$0	\$800	\$800	0.5
X-Ray Film Processor	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	21	270,782	1	4	\$0	\$900	\$1,700	\$2,600	
TOTAL	323	4,166,806	13	158	\$0	\$3,086	\$28,150	\$31,236	

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



Cucamonga Valley Water District
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	32	256,548	1	16	\$0	\$1,920	\$1,280	\$3,200	2.9
High Efficiency Clothes Washers (HECW)	176	1,978,865	6	85	\$0	\$9,450	\$14,960	\$24,410	1.9
Rotating Nozzles for Pop-up Spray Heads (2 Apps/ 65 Nozzles)	2	93,207	0	1	\$0	\$195	\$102	\$297	0.8
Weather based Irrigation Controllers (WBIC)	145	1,956,378	6	60	\$0	\$11,600	\$11,463	\$23,063	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	2	26,985	0	1	\$0	\$160	\$160	\$320	2.3
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (57,825 sq. ft.)	25	3,469,500	11	319	\$0	\$57,316	\$114,632	\$171,948	6.5
Rain Barrels	7	4,334	0	0	\$0	\$0	\$245	\$245	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	16	260,720	1	8	\$0	\$960	\$1,600	\$2,560	1.4
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	405	8,046,537	25	490	\$0	\$81,601	\$144,442	\$226,043	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	238	17,994,894	55	110	\$0	\$70,502	\$29,100	\$99,602	1.5
Residential Landscape Retrofit Program (103 WBIC/ 200 Nozzles)	73	1,676,495	5	47	\$0	\$49,181	\$15,598	\$64,779	11.5
Res. Education, Survey, and Controller Upgrade Program (141 WBIC)	122	1,902,409	6	58	\$0	\$72,422	\$9,360	\$81,782	14.9
Residential Pressure Regulation Program	130	584,665	2	18	\$0	\$74,471	\$3,675	\$78,146	50.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	563	22,158,462	68	234	\$0	\$266,577	\$57,733	\$324,309	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (433 Stations)	17	2,525,953	8	78	\$0	\$6,495	\$15,155	\$21,650	1.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (65,000 sq. ft.)	1	2,795,000	9	257	\$0	\$50,000	\$100,000	\$150,000	7.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	18	5,320,953	16	335	\$0	\$56,495	\$115,155	\$171,650	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	7	514,922	2	8	\$714	\$952	\$0	\$1,666	0.7
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	7	514,922	2	8	\$714	\$952	\$0	\$1,666	
FINAL TOTAL	993	36,040,875	111	1,067	\$714	\$405,625	\$317,329	\$723,668	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	30	240,514	0.74	15	\$0	\$1,800	\$1,200	\$3,000	2.9
High Efficiency Clothes Washers (HECW)	211	2,372,389	7	102	\$0	\$15,825	\$17,935	\$33,760	2.6
Rotating Nozzles for Pop-up Spray Heads (3 Apps/ 132 Nozzles)	3	189,283	1	3	\$0	\$396	\$264	\$660	0.8
Weather based Irrigation Controllers (WBIC)	167	2,253,207	7	69	\$0	\$13,360	\$13,360	\$26,720	2.3
Hose Bib Controller	2	26,985	0	1	\$0	\$0	\$70	\$70	0.0
Turf Replacement (48,705 sq. ft.)	34	2,922,300	9	269	\$0	\$48,705	\$97,410	\$146,115	6.5
Rain Barrels	8	4,954	0	0	\$0	\$0	\$280	\$280	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	103	7,787,706	24	48	\$0	\$24,839	\$15,450	\$40,289	1.3
Residential Landscape Retrofit Program (56 WBIC/ 297 Nozzles)	41	1,181,453	4	30	\$0	\$29,864	\$5,842	\$35,706	9.9
Res. Education, Survey, and Controller Upgrade Program (59 WBIC)	54	796,043	2	24	\$0	\$20,709	\$13,490	\$34,199	10.2
Residential Pressure Regulation Program	154	692,603	2	21	\$0	\$85,156	\$3,800	\$88,956	48.2
Leak Detection Pilot Program	2	48,885	0	2	\$0	\$151	\$192	\$343	1.2
Subtotal	809	18,516,322	57	583	0	240,805	169,293	410,098	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	10	42,041	0.13	1	\$0	\$150	\$350	\$500	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	4	16,816	0	1	\$0	\$60	\$140	\$200	1.4
Laminar Flow Restrictor	125	936,963	3	14	\$0	\$1,250	\$1,250	\$2,500	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (36,662 sq. ft.)	3	1,576,466	5	145	\$0	\$36,662	\$73,324	\$109,986	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	12	16,425	0	1	\$0	\$60	\$60	\$120	1.4
Subtotal	154	2,588,711	8	162	\$0	\$38,182	\$75,124	\$113,306	
TOTAL	963	21,105,033	65	745	\$0	\$278,987	\$244,417	\$523,404	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	67	537,148	2	33	\$0	\$4,020	\$2,680	\$6,700	2.9
High Efficiency Clothes Washers (HECW)	133	1,495,392	5	64	\$0	\$9,975	\$11,305	\$21,280	2.6
Rotating Nozzles for Pop-up Spray Heads (2 Apps/ 169 Nozzles)	2	242,339	1	4	\$0	\$507	\$338	\$845	0.8
Weather based Irrigation Controllers (WBIC)	181	2,442,099	7	75	\$0	\$14,480	\$14,480	\$28,960	2.3
Turf Replacement (70,850 sq. ft.)	40	3,046,550	9	93	\$0	\$53,981	\$133,772	\$187,753	7.0
Rain Barrels	4	2,477	0	0	\$0	\$0	\$140	\$140	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	74	5,595,051	17	34	\$0	\$16,852	\$10,782	\$27,634	1.2
Residential Landscape Retrofit Program (81 WBIC/ 104 Nozzles)	60	1,242,005	4	36	\$1,080	\$23,529	\$24,539	\$49,147	7.4
Res. Education, Survey, and Controller Upgrade Program (63 WBIC)	58	850,012	3	26	\$0	\$26,622	\$10,634	\$37,256	12.3
Residential Pressure Regulation Program	118	530,696	2	16	\$0	\$33,872	\$29,573	\$63,445	25.1
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	737	15,983,770	49	382	1,080	183,838	238,243	423,160	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	110	881,885	3	54	\$0	\$6,600	\$4,400	\$11,000	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (89,195 sq. ft.)	5	3,835,385	12	118	\$48,968	\$40,227	\$178,390	\$267,585	4.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	115	4,717,270	14	172	\$48,968	\$46,827	\$182,790	\$278,585	
TOTAL	852	20,701,040	64	554	\$50,048	\$230,665	\$421,033	\$701,745	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	13	104,223	0	6	\$0	\$780	\$520	\$1,300	3.1
High Efficiency Clothes Washers (HECW)	148	1,664,045	5	71	\$0	\$11,100	\$12,580	\$23,680	2.7
Rotating Nozzles for Pop-up Spray Heads (1 App/ 80 Nozzles)	1	114,717	0	2	\$0	\$240	\$160	\$400	0.9
Weather based Irrigation Controllers (WBIC)	190	2,563,529	8	79	\$0	\$15,200	\$15,200	\$30,400	2.4
Turf Removal (36,039 Sq. Ft.)	31	1,549,677	5	48	\$0	\$31,880	\$60,342	\$92,222	8.4
Rain Barrels	3	1,858	0	0	\$0	\$0	\$105	\$105	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	1	13,492	0	0	\$0	\$0	\$80	\$80	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (30 Small Sites/ 8 Large Sites)	38	N/A	N/A	N/A	\$20,568	\$0	\$0	\$20,568	0.0
Residential Landscape Retrofit Program (62 WBIC/ 1,124 Nozzles)	44	2,448,291	8	50	\$19,889	\$0	\$20,701	\$40,590	0.0
Res Education, Survey, and Controller Upgrade Program (58 WBIC)	55	782,551	2	24	\$0	\$23,007	\$14,101	\$37,109	12.0
Residential Pressure Regulation Program	132	5,076,218	16	156	\$0	\$35,008	\$33,636	\$68,644	2.8
Subtotal	656	14,318,602	44	436	\$40,458	\$117,216	\$157,425	\$315,098	9.6
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	1	209,880	1	3	\$0	\$375	\$625	\$1,000	0.7
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (5,763 Sq. Ft.)	3	244,161	1	7	\$0	\$5,763	\$11,526	\$17,289	9.6
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	4	454,041	1	11	\$0	\$9,746	\$12,151	\$21,897	
TOTAL	660	14,772,643	45	447	\$40,458	\$126,961	\$169,576	\$336,995	

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

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	37	296,634	1	18	\$0	\$2,220	\$1,480	\$3,700	5.3
High Efficiency Clothes Washers (HECW)	156	1,753,994	5	75	\$0	\$10,140	\$13,260	\$23,400	5.6
Rotating Nozzles for Pop-up Spray Heads (5 Apps/ 231 Nozzles)	231	331,245	1	5	\$0	\$693	\$462	\$1,155	1.5
Weather based Irrigation Controllers (WBIC)	72	971,443	3	30	\$0	\$5,040	\$5,760	\$10,800	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	9	5,573	0	0	\$0	\$0	\$315	\$315	23.9
Cisterns	2	0	0	0	\$0	\$0	\$600	\$600	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$3,472 Total Cost)	992	1,422,488	4	22	\$0	\$1,488	\$1,984	\$3,472	1.0
Residential Landscape Retrofit Program (50 WBIC/ 863 Nozzles)	29	1,912,120	6	44	\$13,891	\$556	\$13,335	\$27,782	6.1
Residential Education, Survey, and Controller Upgrade Program (59 W	51	796,043	2	24	\$0	\$30,202	\$5,753	\$35,955	19.1
Residential Pressure Regulation Program	115	4,422,463	14	136	\$0	\$28,098	\$24,917	\$53,015	5.1
Subtotal	1,694	11,912,003	37	354	\$13,891	\$78,437	\$67,866	\$160,194	5.9
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$3607.50 Total Cost)	650	847,340	3	13	\$0	\$2,308	\$1,300	\$3,608	1.8
Subtotal	650	847,340	3	13	\$0	\$2,308	\$1,300	\$3,608	
TOTAL	2,344	12,759,343	39	367	\$13,891	\$80,744	\$69,166	\$163,802	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	57	456,977	1	28	\$0	\$3,022	\$2,340	\$5,362	5.1
High Efficiency Clothes Washers (HECW)	224	2,518,555	8	108	\$0	\$5,330	\$19,040	\$24,370	4.2
Rotating Nozzles for Pop-up Spray Heads	221	316,858	1	5	\$0	\$194	\$442	\$636	0.9
Weather based Irrigation Controllers (WBIC)	123	1,659,548	5	51	\$0	\$2,840	\$9,878	\$12,718	3.4
Turf Removal (129,422 Sq. Ft.)	75	5,483,222	17	168	\$0	\$0	\$229,262	\$229,262	18.3
Rain Barrels	34	21,053	0	0	\$0	\$0	\$2,150	\$2,150	44.7
Cisterns	1	0	0	0	\$0	\$0	\$300	\$300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	959	1,375,168	4	21	\$0	\$1,534	\$1,918	\$3,452	1.1
Residential Landscape Retrofit Program (105 WBIC/685 Nozzles)	76	2,398,950	7	59	\$33,911	\$823	\$33,088	\$67,822	12.4
Residential Education, Survey, and Controller Upgrade Program	73	984,935	3	30	\$0	\$29,456	\$15,195	\$44,650	19.9
Residential Pressure Regulation Program	42	0	4	42	\$0	\$3,489	\$8,871	\$12,360	3.9
Subtotal	1,885	15,215,265	51	513	\$33,911	\$46,689	\$322,483	\$403,082	10.6
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	95	761,628	2	47	\$0	\$3,840	\$7,055	\$10,895	6.3
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	34	142,940	0.44	4	\$0	\$3,512	\$29,791	\$33,303	102.1
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (60,632 Sq. Ft.)	3	2,568,796	8	79	\$0	\$31,321	\$56,321	\$87,642	14.9
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	4,090	5,331,724	16	82	\$0	\$12,270	\$8,180	\$20,450	1.7
Subtotal	4,772	9,557,917	29	235	\$0	\$53,693	\$104,097	\$157,790	
TOTAL	6,657	24,773,182	80	748	\$33,911	\$100,382	\$426,580	\$560,872	

⁽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

Funding Sources (dollars)									
Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Outside Funding	IEUA	MWD	Total	Payback Period (years) ⁽¹⁾
FY 2015-2016									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	640	8,864,480	27	544	\$0	\$7,813	\$61,414	\$69,227	3.5
High Efficiency Clothes Washers (HECW)	272	3,058,246	9	131	\$0	\$5,265	\$22,525	\$27,790	4.1
Rotating Nozzles for Pop-up Spray Heads	635	910,565	3	14	\$0	\$0	\$2,015	\$2,015	1.0
Weather based Irrigation Controllers (WBIC)	92	9,744,410	30	299	\$0	\$1,840	\$12,434	\$14,274	0.7
Turf Removal (826,764 Sq. Ft.)	436	35,027,510	107	1,075	\$0	\$0	\$1,604,094	\$1,604,094	20.7
Rain Barrels	410	253,876	1	4	\$0	\$0	\$12,757	\$12,757	22.7
Soil Moisture Sensor Systems	1	13,492	0.04	0.41	\$0	\$42	\$80	\$122	4.1
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	6,169	8,846,099	27	136	\$0	\$9,870	\$12,338	\$22,208	1.1
Residential Landscape Retrofit Program (576 WBIC/3,786 Nozzles)	171	66,437,974	204	1,955	\$89,123	\$0	\$89,123	\$178,245	1.2
Landscape Transformation Program (8,900 Sq. Ft.)	10	377,066	1	12	\$2,670	\$26,985	\$0	\$29,655	35.5
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	8,836	133,533,718	410	4,170	\$91,793	\$51,815	\$1,816,781	\$1,960,388	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	3,344	46,316,908	142	2,842	\$0	\$88,040	\$427,490	\$515,530	5.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	59	6,249,133	19	192	\$0	\$11,970	\$42,525	\$54,495	3.9
Rotating Nozzles for Pop-up Spray Heads	9,860	14,138,846	43	217	\$0	\$7,300	\$29,390	\$36,690	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	4	200,754	1	6	\$0	\$0	\$2,000	\$2,000	4.5
Turf Removal (1,567,051 Sq. Ft.)	36	66,391,250	204	2,037	\$0	\$185,434	\$2,734,957	\$2,920,391	19.9
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	2,178	2,981,203	9	91	\$0	\$2,250	\$2,250	\$4,500	0.7
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	6,340	8,264,824	25	127	\$0	\$11,101	\$12,680	\$23,781	1.3
Subtotal	21,821	144,542,917	444	5,513	\$0	\$306,095	\$3,251,292	\$3,557,387	
TOTAL	30,657	278,076,636	853	9,683	\$91,793	\$357,910	\$5,068,073	\$5,517,775	

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

Cucamonga Valley Water District

IEUA Conservation Programs Annual Report

Program	District Devices/	Gallons Saved	AF Saved	AF Saved	Funding Sources (dollars)				Payback Period
					Outside				
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	445	6,163,584	19	378	\$0	\$22,250	\$22,250	\$44,500	3.1
High Efficiency Clothes Washers (HECW)	306	4,238,330	13	260	\$0	\$19,890	\$26,010	\$45,900	4.7
Rotating Nozzles for Pop-up Spray Heads	373	5,166,330	16	317	\$0	\$373	\$1,492	\$1,865	0.2
Weather based Irrigation Controllers (WBIC)	34	470,926	1	29	\$0	\$2,380	\$2,720	\$5,100	4.7
Turf Removal (79,670 Sq. Ft.)	50	3,373,065	10	207	\$0	\$0	\$157,556	\$157,556	20.2
Rain Barrels	70	969,553	3	60	\$0	\$0	\$5,250	\$5,250	2.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	11,090	153,581,723	471	9,427	\$0	\$0	\$25,650	\$25,650	0.1
Residential Landscape Retrofit Program (79 WBIC/1,323 Nozzles)	52	10,102,900	31	286	\$55,569	\$0	\$55,569	\$111,138	4.8
Landscape Transformation Program (26,070 Sq. Ft.)	27	556,097	2	17	\$0	\$34,134	\$52,140	\$86,274	67.1
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)		0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)		0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal		0	0	0	\$0	\$0	\$0	\$0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	107	1,482,030	5	91	\$0	\$14,445	\$17,655	\$32,100	9.4
Weather Based Irrigation Controllers (WBIC)	41	4,342,618	13	133	\$0	\$14,750	\$14,850	\$29,600	3.0
Synthetic Turf (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	22,234	28,984,242	89	445	\$0	\$552	\$3,086	\$3,638	0.1
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (283,719 Sq. Ft.)	36	11,993,120	37	368	\$0	\$283,719	\$567,438	\$851,157	30.8
Subtotal									
Fontana Unified School Retrofit Program		0	0	0	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	26,025	33,921,089	104	521	\$0	\$0	\$84,581	\$84,581	1.1
Subtotal	48,443	80,723,099	248	1,557	\$0	\$314,466	\$688,610	\$1,003,076	
TOTAL	60,890	265,345,605	814	12,538	\$55,569	\$393,493	\$1,037,247	\$1,486,309	

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

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	170	2,354,273	7	145	\$0	\$8,500	\$8,500	\$17,000	3.1
High Efficiency Clothes Washers (HECW)	383	5,304,040	16	326	\$0	\$24,895	\$32,555	\$57,450	4.7
Rotating Nozzles for Pop-up Spray Heads	15	207,730	1	13	\$0	\$15	\$60	\$75	0.2
Weather based Irrigation Controllers (WBIC)	34	470,855	1	29	\$0	\$2,380	\$2,720	\$5,100	4.7
Synthetic Turf (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	26	360,065	1	6	\$0	\$0	\$1,950	\$1,950	2.3
IEUA Locally Implemented Residential Programs									
Residential Landscape Retrofit Program (64 WBIC/1,366 Nozzles)	41	8,736,065	27	238	\$22,825	\$0	\$22,825	\$45,650	2.3
Landscape Transformation Program (12,190 Sq. Ft.)	13	556,097	2	17	\$0	\$19,026	\$17,890	\$36,916	28.8
Subtotal	6,835	103,199,977	317	6,002	\$22,825	\$54,816	\$109,656	\$187,297	
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Water Brooms	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	20	2,118,032	7	65	\$0	\$14,750	\$14,850	\$29,600	6.1
Synthetic Turf (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	792	1,032,296	3	16	\$0	\$552	\$3,086	\$3,638	1.5
Pre-Rinse Nozzles	0	0	0	0	\$1	\$0	\$0	\$1	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	1,588,198	5	49	\$0	\$1,000	\$1,000	\$2,000	0.5
Fontana Unified School Retrofit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	12,700	16,553,231	51	254	\$0	\$0	\$41,275	\$41,275	1.1
Subtotal	13,513	21,291,756	65	384	\$0	\$16,302	\$60,211	\$76,514	
TOTAL	20,348	124,491,733	382	6,386	\$22,825	\$71,118	\$169,867	\$263,811	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	3	41,546	0.13	2.55	\$0	\$150	\$150	\$300	3.2
High Efficiency Clothes Washers (HECW)	295	4,085,357	12.54	250.75	\$0	\$19,175	\$25,075	\$44,250	4.9
Rotating Nozzles for Pop-up Spray Heads	16	221,579	0.68	13.60	\$0	\$16	\$64	\$80	0.2
Weather based Irrigation Controllers (WBIC)	22	304,671	0.94	18.70	\$0	\$1,540	\$1,760	\$3,300	4.9
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	0			0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	8,496	117,658,279	361	7,222	\$0	\$0	\$23,156	\$23,156	0.1
Landscape Transformation Program (5,455 Sq. Ft.)	6	248,852	0.76	7.64	\$1,900	\$4,249	\$5,119	\$11,268	20.3
Subtotal	8,880	134,942,622	414	7,831	\$25,716	\$29,006	\$83,017	\$137,739	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	179	2,478,911	7.61	152.15	\$13,128	\$6,383	\$8,950	\$28,461	5.1
Subtotal	179	2,478,911	8	152	\$13,128	\$6,383	\$8,950	\$28,461	
SoCal Water\$mart Commercial Rebates									
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
Cooling Tower 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
Synthetic Turf (Sq. Ft.)	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	0	0	0.00	0.00	\$1	\$0	\$0	\$1	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	17,635	22,985,530	70.54	352.70	\$0	\$0	\$57,314	\$57,314	1.1
Subtotal	17,677	24,295,451	75	392	\$0	\$6,295	\$66,334	\$72,630	
TOTAL	26,736	161,716,984	496	8,375	\$38,844	\$41,684	\$158,301	\$238,830	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	361	3,246,649	9.96	149.45	\$0	\$0	\$30,685	\$30,685	4.5
Rotating Nozzles for Pop-up Spray Heads	513	668,646	2.05	10.26	\$0	\$1,026	\$1,539	\$2,565	1.8
Weather Based Irrigation Controllers (WBIC)	33	3,494,752	10.73	107.25	\$0	\$1,485	\$2,640	\$4,125	0.6
FreeSprinklerNozzles.com Program	19,915	25,957,291	79.66	398.30	\$0	\$0	\$21,375	\$21,375	0.4
Residential Landscape Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	20,822	33,367,338	102	665	\$0	\$2,511	\$56,239	\$58,750	
IEUA Multi-Family Direct Install Prog. (HET)	10	138,487	0.43	8.50	\$733	\$357	\$500	\$1,590	5.5
IEUA Single-Family Direct Install Prog. (HET)	189	2,617,398	8.03	160.65	\$13,861	\$6,740	\$9,450	\$30,051	5.5
Subtotal	199	2,755,885	8	169	\$14,595	\$7,096	\$9,950	\$31,641	
CIU Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
PH 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)	37	3,918,358	12.03	120.25	\$0	\$2,716	\$6,775	\$9,491	1.2
Synthetic Turf (Sq. Ft.)	37	1,688	0.01	0.05	\$0	\$17	\$11	\$28	7.9
Large Rotary Nozzles	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
Fontana Unified School Retrofit Program									0.0
FreeSprinklerNozzles.com Program	1,300	7,624,913	23.40	234.00	\$0	\$0	\$16,900	\$16,900	1.1
Central Computerized Irrigation Controller	11	17,470,176	53.61	536.14	\$0	\$3,480	\$8,700	\$12,180	0.3
Subtotal	2,893	31,560,846	97	957	\$0	\$8,456	\$39,865	\$48,321	
TOTAL	23,914	67,684,069	208	1,792	\$14,595	\$18,063	\$106,054	\$138,712	

⁽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⁾
					Outside Funding	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	\$2,964	\$1,976	\$4,940	10.7
FreeSprinklerNozzles.com Program	285	371,526	1.14	5.70	\$0	\$0	\$21,375	\$21,375	37.6
Residential Landscape Retrofit Program									
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	287	3,974,568	12	244	\$21,049	\$10,234	\$14,350	\$45,633	7.5
Subtotal	287	3,974,568	12	244	\$21,049	\$10,234	\$14,350	\$45,633	
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	9	359,837	1	22	\$0	\$450	\$1,800	\$2,250	4.1
PH Conductivity Controller	2	419,696	1	6	\$0	\$1,000	\$3,500	\$4,500	7.0
High Efficiency Clothes Washers	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Water Brooms	0	0	0	0	\$0	\$0	\$0	\$0	#DIV/0!
Synthetic Turf (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	2,998	3,907,605	12	60	\$0	\$2,998	\$8,994	\$11,992	2.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Pre-Rinse Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Fontana Unified School Retrofit Program									
Subtotal	3,052	9,240,906	28	228	\$0	\$13,723	\$36,469	\$50,192	
TOTAL	4,864	22,464,914	69	854	\$21,049	\$29,943	\$136,954	\$187,945	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
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) (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	157	\$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	12.9
Subtotal	129	1,786,478	5	110	\$9,461	\$4,600	\$21,285	\$35,346	
CII 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)	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
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	#DIV/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)	49	5,189,177	15.93	159.25	\$0	\$15,735	\$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	2.0
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	#DIV/0!
Pre-Rinse Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	8,282	21,588,671	66	681	\$0	\$16,680	\$118,687	\$135,367	
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
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	8,834	27,178,554	83	947	\$9,461	\$37,813	\$163,175	\$210,449	

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

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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2008-2009									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	3	37,049	0.11	2.27	\$0	\$0	\$180	\$180	3.2
High Efficiency Toilets (HET)	297	4,113,054	12.62	252.45	\$0	\$0	\$49,005	\$49,005	7.8
High Efficiency Clothes Washers (HECW)	323	2,904,896	8.91	133.72	\$0	\$0	\$35,530	\$35,530	8.0
Rotating Nozzles for Pop-up Spray Heads	575	749,457	2.30	11.50	\$0	\$0	\$2,300	\$2,300	2.0
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	\$0	\$0	\$320	\$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	19.0
Synthetic Turf (35,987 Sq. Ft.)	43	1,641,696	5.04	50.38	\$0	\$10,796	\$10,796	\$21,592	8.6
Subtotal	1,294	12,895,084	40	556	\$0	\$98,717	\$98,131	\$196,848	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
CII 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)	587	8,129,168	24.95	498.95	\$0	\$79,245	\$96,855	\$176,100	14.2
Waterless Urinals	162	6,477,071	19.88	397.55	\$0	\$0	\$64,800	\$64,800	6.5
Conductivity Controller	4	839,392	2.58	12.88	\$0	\$175	\$2,500	\$2,675	2.1
High Efficiency Clothes Washers	3	26,980	0.08	0.83	\$0	\$300	\$240	\$540	13.1
Water Brooms	3	149,957	0.46	2.30	\$0	\$0	\$450	\$450	2.0
Weather Based Irrigation Controllers (WBIC)	10	1,059,016	3.25	32.50	\$0	\$0	\$6,690	\$6,690	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	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	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	770	16,693,933	51	946	\$0	\$79,720	\$171,595	\$251,315	
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	16	799,769	2.45	12.27	\$0	\$0	\$5,603	\$5,603	4.6
Weather Based Irrigation Controllers (WBIC)	22	4,365,752	13.40	133.98	\$0	\$0	\$36,539	\$36,539	5.5
Central Computer Irrigation Controllers (CCIC)	25	8,081,105	24.80	248.00	\$0	\$0	\$109,880	\$109,880	8.9
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	63	13,246,625	41	394	\$0	\$0	\$152,022	\$152,022	
TOTAL	2,127	42,835,643	131	1,896	\$0	\$178,437	\$421,748	\$600,185	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
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) (8,199 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	\$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	783.77	\$75,834	\$36,872	\$62,040	\$174,746	10.4
Subtotal	1,034	12,769,644	39	784	\$75,834	\$36,872	\$62,040	\$174,746	
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
Waterless Urinals	206	8,236,275	25.28	505.52	\$0	\$0	\$82,400	\$82,400	7.6
Conductivity Controller	1	209,848	0.64	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	\$0	\$175	\$84,915	\$85,090	
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	\$0	\$0	\$154,632	\$154,632	
TOTAL	2,544	47,178,546	145	2,178	\$75,834	\$65,772	\$375,812	\$517,417	

⁽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⁾
					Outside Funding	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	1093	\$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	2812.78	\$297,247	\$144,530	\$243,180	\$684,957	11.4
Subtotal	4,053	45,827,391	141	2813	\$297,247	\$144,530	\$243,180	\$684,957	
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	49	1,955,921	6.00	120.05	\$0	\$0	\$19,600	\$19,600	7.6
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	49	1,955,921	6	120	\$0	\$0	\$19,600	\$19,600	
TOTAL	4,880	80,890,686	248	4,026	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	150	1,696,054	5.21	104.10	\$0	\$150	\$9,000	\$9,150	4.1
High Efficiency Clothes Washers	389	3,498,467	10.74	161.05	\$0	\$389	\$42,790	\$43,179	9.4
Subtotal	539	5,194,521	16	265	\$0	\$539	\$51,790	\$52,329	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	343	3,878,311	11.90	238.04	\$0	\$36,015	\$20,580	\$56,595	11.1
Subtotal	343	3,878,311	12	238	\$0	\$36,015	\$20,580	\$56,595	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	219	2,476,240	8	152	\$0	\$0	\$13,140	\$13,140	4.0
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	1	49,986	0.15	0.77	\$0	\$0	\$100	\$100	1.5
Pre-Rinse Spray Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	9	1,906,228	5.85	58.50	\$0	\$0	\$0	\$0	0.0
Subtotal	229	4,432,453	14	211	\$0	\$0	\$13,240	\$13,240	
TOTAL	1,111	13,505,286	41	714	\$0	\$36,554	\$85,610	\$122,164	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	24	271,369	0.83	16.66	\$0	\$264	\$1,440	\$1,704	4.8
IEUA Rebate Program (ULFT)	201	2,272,713	6.97	139.49	\$0	\$201	\$12,060	\$12,261	4.1
High Efficiency Clothes Washers	542	4,874,470	14.96	224.39	\$0	\$542	\$59,620	\$60,162	9.4
Pool Cover Rebates	19	324,558	1.00	4.98	\$0	\$1,007	\$0	\$1,007	2.4
Subtotal	786	7,743,110	24	386	\$0	\$2,014	\$73,120	\$75,134	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	520	5,879,655	18.04	360.88	\$0	\$54,600	\$31,200	\$85,800	11.1
Subtotal	520	5,879,655	18	361	\$0	\$54,600	\$31,200	\$85,800	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	1	1,303	0.00	0.02	\$0	\$0	\$50	\$50	29.3
X-Ray Film Processor (MWD CII)	2	2,085,446	6.40	32.00	\$0	\$0	\$4,000	\$4,000	1.5
Subtotal	3	2,086,750	6	32	\$0	\$0	\$4,050	\$4,050	
TOTAL	1,309	15,709,515	48	778	\$0	\$56,614	\$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)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	288	3,256,425	9.99	199.87	\$0	\$576	\$17,200	\$17,776	4.7
IEUA Regional Event (ULFT)	49	554,044	1.70	34.01	\$0	\$539	\$2,940	\$3,479	5.5
IEUA Rebate Program (ULFT)	432	4,884,637	14.99	299.81	\$0	\$432	\$25,920	\$26,352	4.6
High Efficiency Clothes Washers	594	5,342,132	16.39	245.92	\$0	\$594	\$65,340	\$65,934	5.7
Pool Cover Rebates	47	802,854	2.46	12.30	\$0	\$2,491	\$0	\$2,491	2.4
Subtotal	1,410	14,840,091	46	792	\$0	\$4,632	\$111,400	\$116,032	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	96	1,085,475	3.33	66.62	\$0	\$3,264	\$5,760	\$9,024	4.1
Subtotal	96	1,085,475	3	67	\$0	\$3,264	\$5,760	\$9,024	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Water Brooms (Rebates)	43	2,149,378	6.60	32.98	\$0	\$4,300	\$4,300	\$8,600	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	0.0
Subtotal	44	2,199,364	7	34	\$0	\$4,300	\$4,400	\$8,700	
TOTAL	1,550	18,124,930	56	892	\$0	\$12,196	\$121,560	\$133,756	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	393	4,443,663	13.64	272.74	\$0	\$786	\$23,580	\$24,366	4.7
IEUA Regional Event (ULFT)	66	746,264	2.29	45.80	\$0	\$726	\$3,960	\$4,686	5.3
IEUA Rebate Program (ULFT)	84	949,790	2.91	58.30	\$0	\$84	\$5,040	\$5,124	4.7
High Efficiency Clothes Washers	435	3,912,167	12.01	180.09	\$0	\$435	\$47,850	\$48,285	5.7
Pool Cover Rebates	73	1,246,986	3.83	19.15	\$0	\$3,869	\$0	\$3,869	2.4
Subtotal	1,051	11,298,870	35	576	\$0	\$5,900	\$80,430	\$86,330	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	3	33,921	0.1041	2.0820	\$0	\$102	\$180	\$282	3.3
Subtotal	3	33,921	0.10	2	\$0	\$102	\$180	\$282	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	9	80,941	0.25	3.73	\$0	\$0	\$2,250	\$2,250	4.9
Water Brooms	9	449,870	1.38	6.90	\$0	\$900	\$900	\$1,800	3.1
Pre-Rinse Spray Nozzles	75	97,755	0.30	1.50	\$0	\$0	\$3,750	\$3,750	0.5
X-Ray Film Processor (MWD CII)	3	3,128,170	9.60	48.00	\$0	\$0	\$6,000	\$6,000	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	96	3,756,736	12	60	\$0	\$900	\$12,900	\$13,800	
TOTAL	1,150	15,089,528	46	638	\$0	\$6,902	\$93,510	\$100,412	

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



Fontana Water Company
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	4	32,069	0	2	\$0	\$240	\$160	\$400	2.9
High Efficiency Clothes Washers (HECW)	267	3,002,028	9	129	\$0	\$2,100	\$22,695	\$24,795	0.3
Rotating Nozzles for Pop-up Spray Heads (48 Apps/ 2,468 Nozzles)	48	3,539,013	11	54	\$0	\$7,404	\$4,936	\$12,340	0.8
Weather based Irrigation Controllers (WBIC)	37	499,214	2	15	\$0	\$2,960	\$2,862	\$5,822	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	69	930,966	3	29	\$0	\$5,520	\$5,520	\$11,040	2.3
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (12,756 sq. ft.)	12	765,360	2	70	\$0	\$12,756	\$25,512	\$38,268	6.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	1	16,295	0	1	\$0	\$60	\$100	\$160	1.4
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	438	8,784,944	27	300	\$0	\$31,040	\$61,785	\$92,825	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	5	378,044	1	2	\$0	\$1,857	\$600	\$2,457	1.9
Residential Landscape Retrofit Program (2 WBIC/ 0 Nozzles)	1	26,985	0	1	\$0	\$835	\$160	\$995	12.2
Res. Education, Survey, and Controller Upgrade Program (6 WBIC)	5	80,954	0	2	\$0	\$2,992	\$320	\$3,312	14.5
Residential Pressure Regulation Program	92	413,763	1	13	\$0	\$49,546	\$2,000	\$51,546	47.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	103	899,745	3	18	\$0	\$55,230	\$3,080	\$58,310	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 sq. ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	2	0	0	0	\$0	\$476	\$0	\$476	0.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	2	0	0	0	\$0	\$476	\$0	\$476	
FINAL TOTAL	543	9,684,689	30	318	\$0	\$86,746	\$64,865	\$151,611	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	67	537,148	2	33	\$0	\$4,020	\$2,680	\$6,700	2.9
High Efficiency Clothes Washers (HECW)	270	3,035,759	9	130	\$0	\$20,250	\$22,950	\$43,200	2.6
Rotating Nozzles for Pop-up Spray Heads (64 Apps/ 3042 Nozzles)	64	4,362,106	13	67	\$0	\$9,126	\$6,084	\$15,210	0.8
Weather based Irrigation Controllers (WBIC)	150	2,023,839	6	62	\$0	\$12,000	\$12,000	\$24,000	2.3
Hose Bib Controller	1	13,492	0	0	\$0	\$0	\$35	\$35	0.0
Turf Replacement (26,099 sq. ft.)	12	1,565,940	5	144	\$0	\$25,751	\$49,698	\$75,449	6.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	1	2,477	0	0	\$0	\$0	\$300	\$300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	5	378,044	1	2	\$0	\$1,079	\$750	\$1,829	1.1
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (3 WBIC)	3	40,477	0	1	\$0	\$489	\$1,318	\$1,807	4.7
Residential Pressure Regulation Program	32	143,917	0	4	\$0	\$16,878	\$825	\$17,703	46.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	605	12,103,200	37	445	\$0.00	\$89,592.23	\$96,640.00	\$186,232.23	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	1	8,017	0	0	\$0	\$60	\$40	\$100	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	5	21,021	0.06	1	\$0	\$75	\$175	\$250	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (2,563 sq. ft.)	1	110,209	0	10	\$0	\$2,563	\$5,126	\$7,689	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	7	139,247	0	11	\$0	\$2,698	\$5,341	\$8,039	
TOTAL	612	12,242,446	38	457	\$0	\$92,290	\$101,981	\$194,271	

⁽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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	246	1,972,216	6	121	\$0	\$14,760	\$9,840	\$24,600	2.9
High Efficiency Clothes Washers (HECW)	62	697,100	2	30	\$0	\$4,650	\$5,270	\$9,920	2.6
Rotating Nozzles for Pop-up Spray Heads (25 Apps/ 1,106 Nozzles)	25	1,585,960	5	24	\$0	\$3,318	\$2,212	\$5,530	0.8
Weather based Irrigation Controllers (WBIC)	120	1,619,071	5	50	\$0	\$9,600	\$9,600	\$19,200	2.3
Turf Replacement (9,323 sq. ft.)	9	400,889	1	12	\$0	\$8,521	\$18,646	\$27,167	8.3
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	6	453,653	1	3	\$0	\$1,086	\$1,000	\$2,086	0.9
Residential Landscape Retrofit Program (1 WBIC/ 0 Nozzles)	1	13,492	0	0	\$0	\$324	\$340	\$664	9.4
Res. Education, Survey, and Controller Upgrade Program (6 WBIC)	6	80,954	0	2	\$0	\$2,035	\$1,657	\$3,692	9.9
Residential Pressure Regulation Program	88	395,773	1	12	\$0	\$28,404	\$19,456	\$47,859	28.2
Leak Detection Pilot Program	2	48,885	0	2	\$0	\$343	\$0	\$343	2.8
Subtotal	565	7,267,993	22	257	\$0	\$73,040	\$68,021	\$141,060	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	428	3,431,336	11	211	\$0	\$25,680	\$17,120	\$42,800	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	8,408	0.03	0	\$0	\$30	\$70	\$100	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	1,020	7,645,614	23	117	\$0	\$10,200	\$10,200	\$20,400	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (65,000 sq. ft.)	2	2,795,000	9	86	\$2,000	\$10,000	\$104,000	\$116,000	1.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	194	265,543	1	8	\$0	\$970	\$970	\$1,940	1.4
Subtotal	1,646	14,145,901	43	422	\$2,000	\$46,880	\$132,360	\$181,240	
TOTAL	2,211	21,413,895	66	679	\$2,000	\$119,920	\$200,381	\$322,300	

⁽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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	14	112,240	0	7	\$0	\$840	\$560	\$1,400	3.1
High Efficiency Clothes Washers (HECW)	201	2,259,954	7	97	\$0	\$15,075	\$17,085	\$32,160	2.7
Rotating Nozzles for Pop-up Spray Heads (49 Apps/ 2,355 Nozzles)	49	3,376,468	10	52	\$0	\$7,065	\$4,710	\$11,775	0.9
Weather based Irrigation Controllers (WBIC)	143	1,929,393	6	59	\$0	\$11,440	\$11,440	\$22,880	2.4
Turf Removal (2,465 Sq. Ft.)	3	105,995	0.3	3	\$0	\$2,195	\$3,430	\$5,625	8.4
Rain Barrels	4	2,477	0	0	\$0	\$0	\$140	\$140	0.0
Cisterns	3	0	0	0	\$0	\$0	\$900	\$900	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (1 Small Site/ 1 Large Site)	2	N/A	N/A	N/A	\$1,083	\$0	\$0	\$1,083	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (1 WBIC)	1	13,492	0	0	\$0	\$418	\$256	\$675	12.6
Residential Pressure Regulation Program	104	3,999,445	12	123	\$0	\$27,582	\$26,501	\$54,083	2.8
Subtotal	524	11,799,464	8	341	\$1,083	\$64,616	\$65,022	\$130,720	21.1
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	126	1,010,160	3	62	\$0	\$7,560	\$5,040	\$12,600	3.1
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	15	63,062	0.19	2	\$0	\$225	\$525	\$750	1.5
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	547	748,723	2	23	\$0	\$2,735	\$2,735	\$5,470	1.5
Subtotal	688	1,821,944	6	87	\$0	\$14,128	\$8,300	\$22,428	
TOTAL	1,212	13,621,408	14	428	\$1,083	\$78,743	\$73,322	\$153,148	

⁽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

					Funding Sources (dollars)				
Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Outside Funding	IEUA	MWD	Total	Payback Period (years) ⁽¹⁾
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	440	3,527,542	11	216	\$0	\$26,400	\$17,600	\$44,000	5.3
High Efficiency Clothes Washers (HECW)	407	4,576,125	14	197	\$0	\$26,455	\$34,595	\$61,050	5.6
Rotating Nozzles for Pop-up Spray Heads (162 Apps/ 13,118 Nozzles)	13,118	18,807,859	58	289	\$0	\$39,354	\$26,236	\$65,590	1.5
Weather based Irrigation Controllers (WBIC)	112	1,511,133	5	46	\$0	\$7,840	\$8,960	\$16,800	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	31	0	0	0	\$0	\$0	\$9,300	\$9,300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	149	5,729,974	18	176	\$0	\$36,405	\$32,284	\$68,689	5.1
Subtotal	14,257	34,152,632	105	924	\$0	\$136,454	\$128,975	\$265,429	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	90	721,543	2	44	\$0	\$5,400	\$3,600	\$9,000	5.3
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	15	63,062	0.19	2	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 2,250 Nozzles)	2,250	3,226,410	10	50	\$0	\$4,500	\$4,500	\$9,000	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	2,355	4,011,014	12	96	\$0	\$9,900	\$8,100	\$18,000	
TOTAL	16,612	38,163,647	117	1,020	\$0	\$146,354	\$137,075	\$283,429	

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

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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	2,416	19,369,410	59	1,189	\$0	\$178,192	\$96,640	\$274,832	6.2
High Efficiency Clothes Washers (HECW)	86	966,945	3	42	\$0	\$2,245	\$7,310	\$9,555	4.3
Rotating Nozzles for Pop-up Spray Heads	4,159	5,962,943	18	91	\$0	\$926	\$1,198	\$2,124	0.2
Weather based Irrigation Controllers (WBIC)	66	890,489	3	27	\$0	\$2,856	\$5,280	\$8,136	4.0
Turf Removal (32,150 Sq. Ft.)	22	1,362,099	4	42	\$0	\$0	\$62,270	\$62,270	20.0
Rain Barrels	16	9,907	0.03	0.15	\$0	\$0	\$1,200	\$1,200	53.1
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (28 WBIC/248 Nozzles)	17	733,405	2	17	\$8,046	\$173	\$7,873	\$16,092	9.6
Residential Education, Survey, and Controller Upgrade Program	9	121,430	0.37	4	\$0	\$4,589	\$1,341	\$5,930	21.4
Residential Pressure Regulation Program	36	949,673	3	29	\$0	\$6,370	\$5,450	\$11,820	5.5
Subtotal	6,827	30,366,302	93	1,441	\$8,046	\$195,351	\$188,562	\$391,959	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	51	408,874	1	25	\$0	\$5,000	\$2,000	\$7,000	7.5
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	2	419,696	1	6	\$0	\$290	\$1,750	\$2,040	2.1
Weather Based Irrigation Controllers (WBIC)	25	105,103	0.32	3	\$0	\$11,102	\$41,959	\$53,061	221.1
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	50,189	0.15	2	\$0	\$1,000	\$1,000	\$2,000	17.5
Turf Removal (28,135 Sq. Ft.)	2	1,191,996	4	37	\$0	\$0	\$28,135	\$28,135	10.3
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	81	2,175,857	7	73	\$0	\$17,392	\$74,844	\$92,236	
TOTAL	6,908	32,542,159	100	1,514	\$8,046	\$212,743	\$263,406	\$484,195	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	388	5,374,091	16	330	\$0	\$10,495	\$37,641	\$48,136	4.0
High Efficiency Clothes Washers (HECW)	217	2,439,850	7	105	\$0	\$2,990	\$18,190	\$21,180	3.9
Rotating Nozzles for Pop-up Spray Heads	4,298	6,163,160	19	95	\$0	\$0	\$8,296	\$8,296	0.6
Weather based Irrigation Controllers (WBIC)	93	9,850,328	30	302	\$0	\$1,709	\$7,148	\$8,857	0.4
Turf Removal (77,559 Sq. Ft.)	50	3,285,942	10	101	\$0	\$0	\$149,090	\$149,090	20.5
Rain Barrels	51	31,580	0.10	0.48	\$0	\$0	\$3,736	\$3,736	53.5
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (79 WBIC/977 Nozzles)	54	9,768,461	30	278	\$24,600	\$0	\$24,600	\$49,199	2.3
Landscape Transformation Program (1,100 Sq. Ft.)	2	46,604	0.14	1	\$375	\$4,375	\$0	\$4,750	46.1
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	5,153	36,960,016	113	1,212	\$24,975	\$19,569	\$248,701	\$293,245	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	904	12,521,078	38	768	\$0	\$37,940	\$115,886	\$153,826	5.6
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	25	2,647,938	8	81	\$0	\$4,440	\$17,400	\$21,840	3.7
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	3	150,566	0.46	5	\$0	\$1,000	\$3,000	\$4,000	12.0
Turf Removal (299,187 Sq. Ft.)	22	12,675,656	39	389	\$0	\$187,603	\$287,657	\$475,260	16.9
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	954	27,995,237	86	1,243	\$0	\$230,983	\$423,943	\$654,926	
TOTAL	6,107	64,955,253	199	2,456	\$24,975	\$250,552	\$672,644	\$948,171	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	254	3,518,091	11	216	\$0	\$12,700	\$12,700	\$25,400	3.1
High Efficiency Clothes Washers (HECW)	170	1,529,123	5	70	\$0	\$11,050	\$14,450	\$25,500	7.2
Rotating Nozzles for Pop-up Spray Heads	141	183,808	1	3	\$0	\$141	\$564	\$705	1.7
Weather based Irrigation Controllers (WBIC)	4	423,670	1	13	\$0	\$280	\$320	\$600	0.6
Turf Removal (9,340 Sq. Ft.)	6	391,080	1	12	\$0	\$0	\$18,680	\$18,680	20.7
Rain Barrels	10	1,059,175	3.25	32.50	\$0	\$0	\$750	\$750	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (36 WBIC/286 Nozzles)	27	4,236,700	13	123	\$17,495	\$0	\$17,495	\$34,989	3.6
Landscape Transformation Program (9,793 Sq. Ft.)	11	418,847	1	12.85	\$0	\$13,227	\$19,586	\$32,813	31.8
Subtotal	623	11,760,493	36	482	\$17,495	\$37,398	\$84,545	\$139,438	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	1,162	16,094,572	49	988	\$0	\$0	\$1,966	\$1,966	0.1
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	211,835	1	7	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	4,545	5,924,862	18	91	\$0	\$9,090	\$13,635	\$22,725	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$11,710	\$0	\$11,710	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (2,440 Sq. Ft.)	1	103,375	0.32	3	\$0	\$2,440	\$4,880	\$7,320	30.7
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	5,710	22,334,644	69	1,088	0	\$23,240	\$20,481	\$43,721	
TOTAL	6,333	34,095,137	105	1,571	\$17,495	\$60,638	\$105,026	\$183,159	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	69	955,558	3	59	\$0	\$3,450	\$3,450	\$6,900	3.1
High Efficiency Clothes Washers (HECW)	174	1,564,867	5	72	\$0	\$11,310	\$14,790	\$26,100	7.2
Rotating Nozzles for Pop-up Spray Heads	1	1,303	0	0	\$0	\$1	\$4	\$5	1.7
Weather based Irrigation Controllers (WBIC)	5	529,508	2	16	\$0	\$350	\$400	\$750	0.6
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (31 WBIC/122 Nozzles)	23	3,431,211	11	103	\$9,924	\$0	\$9,924	\$19,848	2.5
Landscape Transformation Program (9,180 Sq. Ft.)	11	418,784	1	13	\$0	\$16,290	\$12,160	\$28,450	29.4
Subtotal	283	6,901,231	21	263	\$9,924	\$31,401	\$40,728	\$82,053	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	22	304,671	1	19	\$0	\$0	\$1,966	\$1,966	2.8
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	1,171	8,776,145	27	269	\$0	\$11,710	\$11,710	\$23,420	1.2
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	1,193	9,080,816	28	288	0	\$11,710	\$13,676	\$25,386	
TOTAL	1,476	15,982,047	49	551	\$9,924	\$43,111	\$54,404	\$107,439	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	125	1,124,186	3.45	51.75	\$0	\$8,125	\$10,625	\$18,750	7.5
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	\$70	\$80	\$150	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program	20	5,213,616	16.00	140.00	\$9,648	\$1,570	\$11,219	\$22,437	1.9
Landscape Transformation Program (1000 Sq. Ft.)	2	45,619	0.14	1.40	\$250	\$830	\$1,000	\$2,080	20.4
Subtotal	148	6,489,323	20	196	\$9,899	\$10,595	\$22,924	\$43,418	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	57	789,374	2.42	48.45	\$4,180	\$2,033	\$2,850	\$9,063	5.1
IEUA Single-Family Direct Install Prog. (HET)	54	747,828	2.30	45.90	\$3,960	\$1,926	\$2,700	\$8,586	5.1
Subtotal	111	1,537,202	2	94	\$8,141	\$3,958	\$5,550	\$17,649	
SoCal Water\$mart Commercial Rebates									
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
Cooling Tower 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
Weather based Irrigation Controllers (WBIC)	16	1,694,425	5.20	52.00	\$0	\$1,945	\$7,600	\$9,545	2.5
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
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	65	487,147	1.50	7.48	\$0	\$0	\$650	\$650	0.6
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	1,764	49,203,501	151.00	2880.00	\$206,033	\$0	\$32,050	\$238,083	2.2
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	1,845	51,385,073	158	2,939	\$206,033	\$1,945	\$40,300	\$248,278	
TOTAL	2,104	59,411,598	180	3,230	\$224,073	\$16,498	\$68,774	\$309,345	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	149	1,340,030	4.11	61.69	\$0	\$0	\$12,665	\$12,665	4.5
Rotating Nozzles for Pop-up Spray Heads	65	84,721	0.26	1.30	\$0	\$130	\$195	\$325	1.8
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	\$0	\$135	\$240	\$375	0.6
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program	22	5,865,318	18.00	180.00	\$0	14,499	12,310	26,809	2.2
Subtotal	239	7,607,774	23	253	\$1	\$14,764	\$25,410	\$40,175	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	18	249,276	0.77	15.30	\$1,320	\$642	\$900	\$2,862	5.5
IEUA Single-Family Direct Install Prog. (HET)	1,130	15,648,994	48.03	960.50	\$82,874	\$40,296	\$56,500	\$179,670	5.5
Subtotal	1,148	15,898,270	1	976	\$84,194	\$40,938	\$57,400	\$182,532	
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
High Efficiency Clothes Washers	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	6	635,409	1.95	19.50	\$0	\$2,134	\$5,025	\$7,159	5.4
Rotating Nozzles for Pop-up Spray Heads	2,000	2,606,808	8.00	40.00	\$0	\$4,000	\$6,000	\$10,000	0.0
Large Rotating Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Fontana Unified School Retrofit Program	2,124	12,708,189	39.00	635.00	\$339,942	\$0	\$51,978	\$391,920	14.8
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	4,130	15,950,406	49	695	\$339,942	\$6,134	\$63,003	\$409,079	
TOTAL	5,517	39,456,450	73	1,923	\$424,137	\$61,836	\$145,813	\$631,786	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	3.00	30.00	\$0	\$1,819	\$2,251	\$4,070	2.7
Subtotal	422	4,298,483	13	173	\$0	\$2,657	\$28,288	\$30,945	
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	0.0
Subtotal	3	41,546	0	3	\$220	\$107	\$150	\$477	
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	\$321,643	\$0	\$33,900	\$355,543	
TOTAL	2,324	33,019,229	101	885	\$321,863	\$2,764	\$62,338	\$386,965	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	81	\$0	\$9,480	\$12,597	\$22,077	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	11	152,335	0.4675	9.3500	\$807	\$392	\$1,815	\$3,014	12.9
Subtotal	11	152,335	0	9	\$807	\$392	\$1,815	\$3,014	
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	\$0	\$100	\$16,140	\$16,240	
TOTAL	182	3,487,896	11	189	\$807	\$9,973	\$30,552	\$41,331	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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)	1,043	14,444,160	44.33	886.55	\$0	\$0	\$172,095	\$172,095	7.8
High Efficiency Clothes Washers (HECW)	202	1,816,684	5.58	83.63	\$0	\$0	\$22,220	\$22,220	8.0
Rotating Nozzles for Pop-up Spray Heads	62	80,811	0.25	1.24	\$0	\$0	\$248	\$248	2.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	\$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	18.6
Synthetic Turf (4,960 Sq. Ft.)	8	226,271	0.69	6.94	\$0	\$1,488	\$1,488	\$2,976	8.6
Subtotal	1,318	16,736,216	51	984	\$0	\$6,288	\$196,051	\$202,339	
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	12.9
Subtotal	229	3,171,345	10	195	\$16,795	\$8,166	\$37,785	\$62,746	
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)	81	1,121,742	3.44	68.85	\$0	\$10,935	\$13,365	\$24,300	14.2
Waterless Urinals	58	2,318,951	7.12	142.33	\$0	\$0	\$23,200	\$23,200	6.5
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	6	53,961	0.17	1.66	\$0	\$600	\$480	\$1,080	13.1
Water Brooms	1	49,986	0.15	0.77	\$0	\$0	\$150	\$150	2.0
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	120	703,838	2.16	21.60	\$0	\$0	\$1,560	\$1,560	1.4
Pre-Rinse Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	266	4,248,478	13	235	\$0	\$11,535	\$38,755	\$50,290	
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)	9	2,909,198	8.93	89.28	\$0	\$0	\$94,088	\$94,088	21.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	9	2,909,198	9	89	\$0	\$0	\$94,088	\$94,088	
TOTAL	1,822	27,065,236	83	1,503	\$16,795	\$25,989	\$366,679	\$409,463	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	55,395	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	1,788,251	5	80	\$0	\$3,114	\$18,806	\$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	\$57,205	\$27,815	\$46,800	\$131,820	
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
Waterless Urinals	10	399,819	1.23	24.54	\$0	\$0	\$4,000	\$4,000	7.6
Conductivity Controller	1	209,848	0.64	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	\$0	\$3,655	\$8,075	\$11,730	
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	\$0	\$0	\$0	\$0	0.0
TOTAL	996	12,456,352	38	713	\$57,205	\$34,584	\$73,681	\$165,470	

⁽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)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	27,697	0.09	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	\$2,160	\$2,160	0.9
Subtotal	175	6,179,243	19	263	\$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	1885.60	\$199,265	\$96,888	\$163,020	\$459,173	11.4
Subtotal	2,717	30,721,200	94	1886	\$199,265	\$96,888	\$163,020	\$459,173	
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	0.68	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	\$0	\$605	\$19,205	\$19,810	
TOTAL	2,946	38,931,081	119	2,269	\$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 Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	28	316,597	0.97	19.43	\$0	\$28	\$1,680	\$1,708	4.1
High Efficiency Clothes Washers	151	1,358,017	4.17	62.51	\$0	\$151	\$16,610	\$16,761	9.4
Subtotal	179	1,674,613	5	82	\$0	\$179	\$18,290	\$18,469	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,170	13,229,225	40.60	811.98	\$0	\$122,850	\$70,200	\$193,050	11.1
Subtotal	1,170	13,229,225	41	812	\$0	\$122,850	\$70,200	\$193,050	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	178	2,012,651	6.18	123.53	\$0	\$178	\$10,680	\$0	
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	18	161,883	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	
TOTAL	1,545	17,078,372	52	1,025	\$0	\$123,207	\$103,670	\$216,019	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	735	8,310,667	25.50	510.09	\$0	\$8,085	\$44,100	\$52,185	4.8
IEUA Rebate Program (ULFT)	43	486,202	1.49	29.84	\$0	\$43	\$2,580	\$2,623	4.1
High Efficiency Clothes Washers	189	1,699,769	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	619	\$0	\$9,536	\$67,470	\$77,006	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,070	12,098,522	37.13	742.58	\$0	\$112,350	\$64,200	\$176,550	11.1
Subtotal	1,070	12,098,522	37	743	\$0	\$112,350	\$64,200	\$176,550	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Conductivity Controller	2	419,696	1.29	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	
TOTAL	2,044	23,084,089	71	1,369	\$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 Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	1,489	16,836,167	51.67	1033.37	\$0	\$16,379	\$89,340	\$105,719	5.4
IEUA Rebate Program (ULFT)	112	1,266,387	3.89	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	\$0	\$17,527	\$122,570	\$140,097	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,140	12,890,014	39.56	791.16	\$0	\$38,760	\$68,400	\$107,160	4.2
Subtotal	1,140	12,890,014	40	791	\$0	\$38,760	\$68,400	\$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	2,094	\$0	\$66,087	\$202,970	\$269,057	
FY 2002-2003									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	629	7,112,122	21.83	436.53	\$0	\$6,919	\$37,740	\$44,659	5.4
IEUA Rebate Program (ULFT)	10	113,070	0.35	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	529	\$0	\$8,838	\$55,940	\$64,778	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	251	2,838,064	8.71	174.19	\$0	\$8,534	\$15,060	\$23,594	4.2
Subtotal	251	2,838,064	9	174	\$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	\$0	\$900	\$7,400	\$8,300	
TOTAL	1,146	13,415,566	41	719	\$0	\$18,272	\$78,400	\$96,672	

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



Monte Vista Water District
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	3	24,051	0	1	\$0	\$180	\$120	\$300	2.9
High Efficiency Clothes Washers (HECW)	79	888,240	3	38	\$0	\$1,350	\$6,715	\$8,065	0.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	15	202,384	1	6	\$0	\$1,200	\$1,151	\$2,351	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (18,770 sq. ft.)	8	1,126,200	3	104	\$9,385	\$18,770	\$37,540	\$65,695	6.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	1	16,295	0	1	\$0	\$60	\$100	\$160	1.4
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	106	2,257,171	7	150	\$9,385	\$21,560	\$45,626	\$76,571	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	85	6,426,748	20	39	\$0	\$23,929	\$10,650	\$34,579	1.5
Residential Landscape Retrofit Program (27 WBIC/ 31 Nozzles)	14	408,744	1	12	\$0	\$8,632	\$4,977	\$13,609	8.3
Res. Education, Survey, and Controller Upgrade Program (43 WBIC)	37	580,167	2	18	\$0	\$21,392	\$3,280	\$24,672	14.5
Residential Pressure Regulation Program	3	13,492	0	0	\$0	\$1,862	\$75	\$1,937	54.2
Leak Detection Pilot Program	3	73,328	0	2	\$0	\$514	\$0	\$514	2.8
Subtotal	142	7,502,479	23	72	\$0	\$56,329	\$18,982	\$75,311	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (3 Stations)	1	17,501	0	1	\$0	\$45	\$105	\$150	1.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (12,132 sq. ft.)	2	521,676	2	48	\$0	\$12,132	\$24,264	\$36,396	9.1
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	3	539,177	2	49	\$0	\$12,177	\$24,369	\$36,546	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	13	475,814	1	7	\$3,206	\$0	\$0	\$3,206	0.0
Customer Agency Implemented - MVWD CII Nozzle Retrofit Program (54 Nozzles)	3	77,434	0	1	\$496	\$496	\$0	\$991	2.5
Subtotal	16	553,248	2	8	\$3,702	\$496	\$0	\$4,197	
FINAL TOTAL	267	10,852,074	33	279	\$13,087	\$90,562	\$88,977	\$192,625	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	6	48,103	0	3	\$0	\$360	\$240	\$600	2.9
High Efficiency Clothes Washers (HECW)	65	730,831	2	31	\$0	\$4,875	\$5,525	\$10,400	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	16	215,876	1	7	\$0	\$1,280	\$1,280	\$2,560	2.3
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (16,099 sq. ft.)	6	965,940	3	89	\$8,050	\$16,099	\$32,198	\$56,347	6.5
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	119	8,997,447	28	55	\$0	\$24,212	\$17,850	\$42,062	1.1
Residential Landscape Retrofit Program (36 WBIC/ 191 Nozzles)	25	759,608	2	19	\$0	\$18,065	\$3,516	\$21,581	9.3
Res. Education, Survey, and Controller Upgrade Program (92 WBIC)	89	1,241,288	4	38	\$0	\$41,451	\$12,681	\$54,132	13.1
Residential Pressure Regulation Program	4	17,990	0	1	\$0	\$2,318	\$100	\$2,418	50.6
Leak Detection Pilot Program	29	708,833	2	22	\$0	\$2,191	\$2,778	\$4,968	1.2
Subtotal	360	13,686,534	42	265	8,050	\$110,851	\$76,203	\$195,103	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	6	25,225	0.08	1	\$0	\$90	\$210	\$300	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (18,022 sq. ft.)	3	774,946	2	71	\$0	\$18,022	\$36,044	\$54,066	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	9	800,171	2	72	\$0	\$18,112	\$36,254	\$54,366	
TOTAL	369	14,486,705	44	337	\$8,050	\$128,963	\$112,457	\$249,469	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	29	232,497	1	14	\$0	\$1,740	\$1,160	\$2,900	2.9
High Efficiency Clothes Washers (HECW)	25	281,089	1	12	\$0	\$1,875	\$2,125	\$4,000	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	12	161,907	0	5	\$0	\$960	\$960	\$1,920	2.3
Turf Replacement (29,699 sq. ft.)	16	1,277,057	4	39	\$11,725	\$23,450	\$59,398	\$94,573	7.2
Rain Barrels	1	619	0	0	\$0	\$0	\$35	\$35	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	27	2,041,438	6	13	\$0	\$5,633	\$4,050	\$9,683	1.1
Residential Landscape Retrofit Program (19 WBIC/ 38 Nozzles)	11	310,843	1	9	\$0	\$5,737	\$4,349	\$10,086	7.2
Res. Education, Survey, and Controller Upgrade Program (24 WBIC)	23	323,814	1	10	\$0	\$9,621	\$5,029	\$14,650	11.7
Residential Pressure Regulation Program	1	4,497	0	0	\$0	\$297	\$260	\$557	25.9
Leak Detection Pilot Program	25	611,063	2	19	\$0	\$4,283	\$0	\$4,283	2.8
Subtotal	170	5,244,824	16	121	11,725	\$53,596	\$77,366	\$142,687	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	2	16,034	0	1	\$0	\$120	\$80	\$200	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	2	16,034	0	1	\$0	\$120	\$80	\$200	
TOTAL	172	5,260,859	16	122	\$11,725	\$53,716	\$77,446	\$142,887	

(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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	12	96,206	0	6	\$0	\$720	\$480	\$1,200	3.1
High Efficiency Clothes Washers (HECW)	44	494,716	2	21	\$0	\$3,300	\$3,740	\$7,040	2.7
Rotating Nozzles for Pop-up Spray Heads (1 App/ 30 Nozzles)	1	43,019	0	1	\$0	\$90	\$60	\$150	0.9
Weather based Irrigation Controllers (WBIC)	11	148,415	0	5	\$0	\$880	\$880	\$1,760	2.4
Turf Removal (5,970 Sq. Ft.)	6	256,710	1	8	\$2,985	\$5,970	\$9,369	\$18,324	9.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (17 Small Sites/ 1 Large Site)	18	N/A	N/A	N/A	\$9,743	\$0	\$0	\$9,743	0.0
Residential Landscape Retrofit Program (6 WBIC/ 40 Nozzles)	3	138,312	0	3	\$1,356	\$0	\$1,411	\$2,768	0.0
Res. Education, Survey, and Controller Upgrade Program (37 WBIC)	30	499,214	2	15	\$0	\$12,549	\$7,692	\$20,241	10.3
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	125	1,676,591	8	59	\$14,084	\$23,509	\$23,632	\$61,225	9.9
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$3,608	\$0	\$3,608	
TOTAL	125	1,676,591	8	59	\$14,084	\$27,117	\$23,632	\$64,833	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	21	168,360	1	10	\$0	\$1,260	\$840	\$2,100	5.3
High Efficiency Clothes Washers (HECW)	37	416,011	1	18	\$0	\$2,405	\$3,145	\$5,550	5.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	7	0	0	0	\$0	\$490	\$560	\$1,050	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$3,486.00 Total Cost)	996	1,428,224	4	22	\$0	\$1,494	\$1,992	\$3,486	1.0
Residential Landscape Retrofit Program (7 WBIC/ 40 Nozzles)	2	151,804	0	3	\$958	\$38	\$920	\$1,916	5.3
Residential Education, Survey, and Controller Upgrade Program (50 W	43	674,613	2	21	\$0	\$25,465	\$4,850	\$30,315	19.0
Residential Pressure Regulation Program	3	115,369	0	4	\$0	\$733	\$650	\$1,383	5.1
Subtotal	1,109	2,954,381	9	78	\$958	\$31,885	\$12,957	\$45,800	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$43,155.50 Total Cost)	8,933	12,809,565	39	197	\$0	\$25,290	\$17,866	\$43,156	1.4
Subtotal	8,933	12,809,565	39	197	\$0	\$25,290	\$17,866	\$43,156	
TOTAL	10,042	15,763,946	48	274	\$958	\$57,174	\$30,823	\$88,956	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	23	184,394	1	11	\$0	\$1,858	\$920	\$2,778	6.6
High Efficiency Clothes Washers (HECW)	44	494,716	2	21	\$0	\$585	\$3,740	\$4,325	3.8
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	4	53,969	0.17	2	\$0	\$210	\$320	\$530	4.3
Turf Removal (11,878 Sq. Ft.)	8	503,235	2	15	\$0	\$0	\$23,756	\$23,756	20.7
Rain Barrels	15	9,288	0.03	0.14	\$0	\$0	\$1,100	\$1,100	51.9
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,064	1,525,733	5	23	\$0	\$1,755	\$2,128	\$3,883	1.1
Residential Landscape Retrofit Program (24 WBIC/232 Nozzles)	15	656492.96	2	15	\$7,113	\$103	\$7,009	\$14,225	9.5
Residential Education, Survey, and Controller Upgrade Program	41	553182.66	2	17	\$0	\$17,340	\$7,745	\$25,085	19.9
Residential Pressure Regulation Program	1	0	0	0	\$0	\$145	\$0	\$145	0.0
Subtotal	1,215	3,981,012	12	105	\$7,113	\$21,997	\$46,718	\$75,827	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (22,508 Sq. Ft.)	2	953,596	3	29	\$0	\$5,379	\$22,508	\$27,887	12.8
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	641	877,388	3	27	\$0	\$3,205	\$3,205	\$6,410	3.2
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	643	1,830,984	6	56	\$0	\$8,584	\$25,713	\$34,297	
TOTAL	1,858	5,811,996	18	161	\$7,113	\$30,581	\$72,431	\$110,124	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	839	11,620,779	36	713	\$0	\$53,130	\$81,914	\$135,044	5.3
High Efficiency Clothes Washers (HECW)	68	764,561	2	33	\$0	\$585	\$5,695	\$6,280	3.7
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	7	741,423	2	23	\$0	\$219	\$560	\$779	0.5
Turf Removal (123,493 Sq. Ft.)	43	5,232,028	16	161	\$0	\$0	\$201,306	\$201,306	17.4
Rain Barrels	21	13,003	0.04	0.20	\$0	\$0	\$1,564	\$1,564	54.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,154	1,654,790	5	25	\$0	\$1,846	\$2,308	\$4,154	1.1
Residential Landscape Retrofit Program (116 WBIC/1,849 Nozzles)	81	14937822.04	46	418	\$37,313	\$0	\$37,313	\$74,626	2.3
Landscape Transformation Program (1,000 Sq. Ft.)	1	42,367	0.13	1	\$300	\$2,950	\$0	\$3,250	34.7
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	2,214	35,006,773	107	1,374	\$37,613	\$58,731	\$330,660	\$427,004	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	497	6,883,823	21	422	\$0	\$22,550	\$61,370	\$83,920	5.5
Waterless Urinals	17	679,795	2	42	\$0	\$491	\$3,400	\$3,891	2.6
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	8	847,340	3	26	\$0	\$504	\$3,080	\$3,584	1.9
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (246,138 Sq. Ft.)	11	10,428,129	32	320	\$0	\$137,463	\$448,906	\$586,369	25.4
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	2,259	3,092,074	9	95	\$0	\$4,650	\$4,650	\$9,300	1.4
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	100	143,396	0.44	2	\$0	\$160	\$200	\$360	1.1
Subtotal	2,892	22,074,556	68	907	\$0	\$165,818	\$521,606	\$687,424	
TOTAL	5,106	57,081,330	175	2,281	\$37,613	\$224,549	\$852,266	\$1,114,428	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	66	914,150	3	56	\$0	\$3,300	\$3,300	\$6,600	3.1
High Efficiency Clothes Washers (HECW)	51	458,737	1	21	\$0	\$3,315	\$4,335	\$7,650	7.2
Rotating Nozzles for Pop-up Spray Heads	15	19,551	0.06	0.30	\$0	\$15	\$60	\$75	1.7
Weather based Irrigation Controllers (WBIC)	3	317,753	1	10	\$0	\$210	\$240	\$450	0.6
Turf Removal (6,908 Sq. Ft.)	3	977,700	1	9	\$0	\$0	\$12,770	\$12,770	19.1
Rain Barrels	5	529,508	2	16	\$0	\$0	\$375	\$375	0.2
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	2,426	3,162,058	10	49	\$0	\$0	\$8,190	\$8,190	1.1
Residential Landscape Retrofit Program (112 WBIC/1,785 Nozzles)	72	14,339,600	44	403	\$64,912	\$0	\$64,912	\$129,825	3.9
Landscape Transformation Program (19,028 Sq. Ft.)	21	306,607	1	9	\$0	\$25,417	\$38,056	\$63,473	84.4
Subtotal	2,662	21,025,663	63	573	\$64,912	\$32,257	\$132,238	\$229,407	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$90	\$200	\$290	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$184	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	65,180	0.2	1	\$0	\$930	\$1,000	\$1,930	12.8
Turf Removal (15,020 Sq. Ft.)	5	636,352	2	20	\$0	\$15,020	\$30,040	\$45,060	30.7
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	200	260,720	1	4	\$0	\$0	\$650	\$650	1.1
Subtotal	206	962,252	3	25	\$0	\$16,040	\$32,074	\$47,931	
TOTAL	2,868	21,987,915	66	598	\$64,912	\$48,297	\$164,312	\$277,338	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	39	540,098	2	33	\$0	\$1,950	\$1,950	\$3,900	3.1
High Efficiency Clothes Washers (HECW)	38	341,753	1	16	\$0	\$2,470	\$3,230	\$5,700	7.2
Rotating Nozzles for Pop-up Spray Heads	2	2,607	0	0	\$0	\$2	\$8	\$10	1.7
Weather based Irrigation Controllers (WBIC)	2	211,803	1	7	\$0	\$140	\$160	\$300	0.6
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	712	928,024	3	14	\$0	\$0	\$7,394	\$7,394	3.5
Residential Landscape Retrofit Program (55 WBIC/347 Nozzles)	32	6,192,100	19	188	\$15,310	\$0	\$15,310	\$30,619	2.1
Landscape Transformation Program (6,720 Sq. Ft.)	7	306,607	1	9	\$0	\$13,414	\$6,720	\$20,134	28.5
Subtotal	832	8,522,991	26	267	\$15,310	\$17,976	\$34,771	\$68,056	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	2	27,697	0.09	2	\$0	\$90	\$200	\$290	4.5
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	211,803	1	7	\$0	\$0	\$184	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	48	62,563	0.19	1	\$0	\$48	\$192	\$240	1.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	65,170	0	1	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	1,460	1,902,970	6	29	\$0	\$0	\$4,745	\$4,745	1.1
Subtotal	1,512	2,270,204	7	40	\$0	\$138	\$5,321	\$5,276	
TOTAL	2,344	10,793,195	33	307	\$15,310	\$18,114	\$40,092	\$73,332	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	50	449,674	1.38	20.70	\$0	\$3,250	\$4,250	\$7,500	7.5
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	5	529,508	1.63	16.25	\$0	\$350	\$400	\$750	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,575	2,052,861	6.30	63.00	\$0	\$0	\$7,394	\$7,394	1.6
Residential Landscape Retrofit Program	20	5,214,400	16.00	145.00	\$10,305	\$1,678	\$11,982	\$23,965	2.1
Landscape Transformation Program (4,732 Sq. Ft.)	6	199,477	0.61	6.12	\$1,183	\$3,629	\$4,732	\$9,544	21.4
Subtotal	1,656	8,445,920	26	251	\$11,488	\$8,907	\$28,758	\$49,153	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	4	55,395	0.1700	3.4000	\$293	\$143	\$200	\$636	5.1
IEUA Single-Family Direct Install Prog. (HET)	96	1,329,472	4.0800	81.6000	\$7,041	\$3,423	\$4,800	\$15,264	5.1
Subtotal	100	1,384,867	4	85	\$7,334	\$3,566	\$5,000	\$15,900	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	11	152,335	0.47	9.35	\$0	\$550	\$550	\$1,100	3.2
Waterless Urinals	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Cooling Tower 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
Weather based Irrigation Controllers (WBIC)	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
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	30	224,837	0.69	3.45	\$0	\$300	\$300	\$600	1.2
Air-Cooled Ice Machine	1	65,170	0.20	1.40	\$0	\$930	\$1,000	\$1,930	13.3
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	282	367,560	1.13	5.64	\$0	\$0	\$917	\$917	1.1
Subtotal	324	809,903	2	20	\$0	\$1,780	\$2,767	\$4,548	
TOTAL	2,080	10,640,690	33	356	\$18,822	\$14,253	\$36,524	\$69,600	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	54	485,648	1.49	22.36	\$0	\$0	\$4,590	\$4,590	4.5
Rotating Nozzles for Pop-up Spray Heads	40	52,136	0.16	0.80	\$0	\$80	\$120	\$200	1.8
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	\$0	\$45	\$80	\$125	0.6
FreeSprinklerNozzles.com Program	2,197	2,863,579	8.79	87.88	\$0	\$0	\$6,825	\$6,825	1.1
Residential Landscape Retrofit Program	3	977,700	3.00	25.00	\$0	\$2,167	\$1,858	\$4,025	2.0
Subtotal	2,295	4,484,965	14	139	\$0	\$2,292	\$13,473	\$15,765	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	9	124,638	0.38	7.65	\$660	\$321	\$450	\$1,431	7.5
IEUA Single-Family Direct Install Prog. (HET)	143	1,980,359	6.08	121.55	\$10,488	\$5,099	\$7,150	\$22,737	7.5
Subtotal	152	2,104,997	6	129	\$11,148	\$5,420	\$7,600	\$24,168	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	5	199,910	0.61	12.27	\$0	\$250	\$1,000	\$1,250	3.0
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
Weather Based Irrigation Controllers (WBIC)	17	1,800,327	5.53	55.25	\$0	\$6,120	\$10,200	\$16,320	4.3
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
FreeSprinklerNozzles.com Program	2,889	3,765,534	11.56	115.56	\$0	\$0	\$37,557	\$37,557	4.8
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	2,911	5,765,771	18	183	\$1	\$6,370	\$48,757	\$55,128	
TOTAL	5,358	12,355,733	38	452	\$11,149	\$14,082	\$69,830	\$95,061	

⁽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⁾
					Outside Funding	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	2.5
Weather Based Irrigation Controllers (WBIC)	4	423,606	1.30	13.00	\$0	\$180	\$320	\$500	0.8
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	91	118,610	0.36	3.64	\$0	\$0	\$6,825	\$6,825	37.6
Residential Landscape Retrofit Program	10	2,933,100	9.00	85.00	\$0	\$5,662	\$5,482	\$11,144	2.5
Subtotal	351	4,543,912	14	145	\$0	\$6,212	\$21,167	\$27,379	
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	\$807	\$392	\$550	\$1,749	
CIl Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	\$0	\$135	\$165	\$300	14.2
Waterless Urinals	14	559,747	1.72	34.36	\$0	\$700	\$2,800	\$3,500	4.1
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 Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	15	573,596	2	35	\$0	\$835	\$2,965	\$3,800	
TOTAL	377	5,269,843	16	190	\$807	\$7,440	\$24,682	\$32,928	

⁽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⁾
					Outside Funding	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) (Sq. Ft.)	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
Subtotal	57	682,560	2	39	\$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	\$15,475	\$7,524	\$34,815	\$57,814	
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	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 (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	\$0	\$990	\$2,530	\$3,520	
TOTAL	492	4,314,984	13	236	\$15,475	\$10,839	\$41,515	\$67,829	

⁽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⁾
					Outside Funding	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	1.88	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. Ft.)	10	893,223	2.74	27.41	\$0	\$18,836	\$0	\$18,836	13.8
Synthetic Turf (3,529 Sq. Ft.)	3	160,990	0.49	4.94	\$0	\$1,059	\$1,319	\$2,378	9.7
Subtotal	550	6,199,661	19	322	\$0	\$19,895	\$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	104	\$8,947	\$4,351	\$20,130	\$33,428	
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)	45	623,190	1.91	38.25	\$0	\$6,075	\$7,425	\$13,500	14.2
Waterless Urinals	16	639,711	1.96	39.26	\$0	\$0	\$6,400	\$6,400	6.5
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 (1,925 Sq. Ft.)	2	87,817	0.27	2.70	\$0	\$578	\$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	83	\$0	\$6,653	\$14,583	\$21,235	
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	4.6
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	\$0	\$0	\$23,078	\$23,078	
TOTAL	752	11,019,258	34	559	\$8,947	\$30,898	\$116,274	\$156,119	

⁽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⁾
					Outside Funding	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)	5	69,243	0.21	4.25	\$0	\$0	\$825	\$825	9.1
High Efficiency Clothes Washers (HECW)	96	863,375	2.65	39.74	\$0	\$0	\$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	2.3
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	\$0	\$480	\$240	\$720	1.7
Water Wise Landscape (Turf Buy Back) (270 Sq. Ft.)	1	12,317	0.04	0.38	\$0	\$540	\$0	\$540	33.5
Synthetic Turf (2,783 Sq. Ft.)	4	126,958	0.39	3.90	\$0	\$835	\$835	\$1,670	10.0
Subtotal	377	1,805,188	6	68	\$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	10.4
Subtotal	122	1,506,670	5	92	\$8,947	\$4,351	\$7,320	\$20,618	
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)	146	2,021,905	6.21	124.10	\$0	\$19,710	\$24,090	\$43,800	16.5
Waterless Urinals	24	959,566	2.94	58.90	\$0	\$0	\$9,600	\$9,600	7.6
Conductivity Controller	1	209,848	0.64	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)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Synthetic Turf (925 Sq. Ft.)	1	42,198	0.13	1.30	\$0	\$278	\$278	\$555	10.0
Rotating Nozzles for Pop-up Spray Heads	65	84,721	0.26	1.30	\$0	\$0	\$260	\$260	0.0
Subtotal	237	3,318,238	10	189	\$0	\$20,163	\$34,853	\$55,015	
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	4	199,942	0.61	3.07	\$0	\$0	\$1,520	\$1,520	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	4	199,942	1	3	\$0	\$0	\$1,520	\$1,520	
TOTAL	740	6,830,039	21	352	\$8,947	\$26,368	\$57,560	\$92,876	

⁽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⁾
					Outside Funding	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) - Distribution	34	7,201,307	22.10	221.00	\$0	\$0	\$8,160	\$8,160	0.9
Subtotal	124	9,508,202	29	301	\$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	\$33,736	\$16,404	\$27,600	\$77,740	
CII 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	3,251,178	10	169	\$0	\$6,465	\$25,335	\$31,800	
TOTAL	774	17,960,614	55	789	\$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 Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	38	429,667	1.32	26.37	\$0	\$38	\$2,280	\$2,318	4.1
High Efficiency Clothes Washers	66	593,570	1.82	27.32	\$0	\$66	\$7,260	\$7,326	9.4
Subtotal	104	1,023,237	3	54	\$0	\$104	\$9,540	\$9,644	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	101	1,142,010	3.50	70.09	\$0	\$10,605	\$6,060	\$16,665	11.1
Subtotal	101	1,142,010	4	70	\$0	\$10,605	\$6,060	\$16,665	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	64	723,650	2.22	44.42	\$0	\$64	\$3,840	\$3,904	4.1
Conductivity Controller	0	0	0.00	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	\$0	\$10,773	\$19,940	\$30,713	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	276	3,120,740	9.58	191.54	\$0	\$1,794	\$16,560	\$18,354	4.5
IEUA Regional Event (ULFT)	4	45,228	0.14	2.78	\$0	\$44	\$240	\$284	4.8
IEUA Rebate Program (ULFT)	37	418,360	1.28	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	259	\$0	\$2,126	\$29,140	\$31,266	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	12	135,684	0.42	8.33	\$0	\$1,260	\$720	\$1,980	11.1
Subtotal	12	135,684	0	8	\$0	\$1,260	\$720	\$1,980	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	\$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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	297	3,358,188	10.31	206.12	\$0	\$574	\$17,220	\$17,794	4.7
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	\$0	\$22	\$120	\$142	3.4
IEUA Rebate Program (ULFT)	130	1,469,914	4.51	90.22	\$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	\$0	\$2,075	\$39,440	\$41,515	
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	4.2
Subtotal	106	1,198,545	4	74	\$0	\$3,604	\$6,360	\$9,964	
CII 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	1,199,653	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	\$0	\$8,079	\$52,900	\$60,979	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	292	3,301,653	10.13	202.65	\$0	\$740	\$22,200	\$22,940	4.7
IEUA Regional Event (ULFT)	59	667,115	2.05	40.95	\$0	\$363	\$1,980	\$2,343	5.6
IEUA Rebate Program (ULFT)	14	158,298	0.49	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	292	\$0	\$2,569	\$38,990	\$41,559	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	57	644,501	1.98	39.56	\$0	\$5,372	\$9,480	\$14,852	4.2
Subtotal	57	644,501	2	40	\$0	\$5,372	\$9,480	\$14,852	
CII 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	\$0	\$900	\$22,650	\$23,550	
TOTAL	613	11,515,463	35	662	\$0	\$8,841	\$71,120	\$79,961	

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



Ontario Municipal Utilities Company
Regional Water Use Efficiency Programs
Summary Charts

Ontario Municipal Utilities Company

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	8	64,137	0	4	\$0	\$480	\$320	\$800	2.9
High Efficiency Clothes Washers (HECW)	193	2,170,005	7	93	\$160	\$5,250	\$16,405	\$21,815	0.9
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	19	256,353	1	8	\$0	\$1,520	\$1,451	\$2,971	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (10,408 sq. ft.)	9	624,480	2	57	\$4,692	\$10,408	\$20,816	\$35,916	6.5
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	229	3,114,975	10	163	\$4,852	\$17,658	\$38,992	\$61,502	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	287	21,699,726	67	133	\$0	\$67,475	\$43,050	\$110,525	1.2
Residential Landscape Retrofit Program (20 WBIC/ 32 Nozzles)	14	315,732	1	9	\$0	\$6,457	\$4,594	\$11,051	8.0
Res. Education, Survey, and Controller Upgrade Program (173 WBIC)	148	2,334,161	7	72	\$0	\$85,092	\$13,200	\$98,292	14.3
Residential Pressure Regulation Program	10	44,974	0	1	\$0	\$5,424	\$200	\$5,624	47.4
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	459	24,394,593	75	215	\$0	\$164,447	\$61,044	\$225,491	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (24,041 sq. ft.)	1	1,033,763	3	95	\$12,021	\$24,041	\$48,082	\$84,144	9.1
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	1	1,033,763	3	95	\$12,021	\$24,041	\$48,082	\$84,144	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	10	1,137,391	3	17	\$2,380	\$0	\$0	\$2,380	0.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	10	1,137,391	3	17	\$2,380	\$0	\$0	\$2,380	
FINAL TOTAL	699	29,680,722	91	490	\$19,252	\$206,146	\$148,118	\$373,517	

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

Ontario Municipal Utilities Company

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	17	136,291	0	8	\$0	\$1,020	\$680	\$1,700	2.9
High Efficiency Clothes Washers (HECW)	203	2,282,441	7	98	\$1,160	\$15,225	\$17,255	\$33,640	2.6
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 30 Nozzles)	1	43,019	0	1	\$0	\$90	\$60	\$150	0.8
Weather based Irrigation Controllers (WBIC)	43	580,167	2	18	\$0	\$3,440	\$3,440	\$6,880	2.3
Hose Bib Controller	1	13,492	0	0	\$0	\$0	\$35	\$35	0.0
Turf Replacement (18,213 sq. ft.)	11	1,092,780	3	101	\$9,102	\$18,203	\$36,406	\$63,711	6.5
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	210	15,877,848	49	97	\$0	\$42,833	\$31,500	\$74,333	1.1
Residential Landscape Retrofit Program (21 WBIC/ 186 Nozzles)	15	550,054	2	13	\$0	\$10,459	\$2,304	\$12,763	7.5
Res. Education, Survey, and Controller Upgrade Program (157 WBIC)	138	2,118,285	6	65	\$0	\$68,329	\$21,750	\$90,079	12.7
Residential Pressure Regulation Program	21	94,446	0	3	\$0	\$12,028	\$525	\$12,553	50.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	662	22,790,061	70	404	\$10,262	\$171,627	\$114,025	\$295,914	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	2	79,976	0	5	\$0	\$400	\$400	\$800	2.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	66	494,716	2	8	\$0	\$660	\$660	\$1,320	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (213,618 sq. ft.)	9	9,185,574	28	846	\$53,509	\$107,018	\$214,036	\$374,563	4.6
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	10	13,688	0	0	\$0	\$50	\$50	\$100	1.4
Subtotal	87	9,773,954	30	858	\$53,509	\$108,128	\$215,146	\$376,783	
TOTAL	749	32,564,015	100	1,262	\$63,771	\$279,755	\$329,171	\$672,697	

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

Ontario Municipal Utilities Company

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	160	1,282,742	4	79	\$0	\$9,600	\$6,400	\$16,000	2.9
High Efficiency Clothes Washers (HECW)	63	708,344	2	30	\$1,580	\$4,725	\$5,355	\$11,660	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	36	485,721	1	15	\$0	\$2,880	\$2,880	\$5,760	2.3
Turf Replacement (18,169 sq. ft.)	11	781,267	2	24	\$6,498	\$14,269	\$36,338	\$57,105	7.2
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	62	4,687,746	14	29	\$0	\$9,696	\$12,575	\$22,271	0.8
Residential Landscape Retrofit Program (13 WBIC/ 41 Nozzles)	8	234,192	1	6	\$234	\$3,627	\$3,393	\$7,254	6.1
Res. Education, Survey, and Controller Upgrade Program (88 WBIC)	78	1,187,319	4	36	\$0	\$28,097	\$23,938	\$52,035	9.3
Residential Pressure Regulation Program	14	62,964	0	2	\$0	\$3,557	\$3,694	\$7,251	22.2
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	432	9,430,295	29	221	\$8,311	\$76,450	\$94,573	\$179,335	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	762	6,109,061	19	375	\$0	\$45,720	\$30,480	\$76,200	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	7	29,429	0.09	1	\$0	\$105	\$245	\$350	1.4
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	1,241	9,302,164	29	143	\$0	\$12,410	\$12,410	\$24,820	0.5
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (32,839 sq. ft.)	5	1,412,077	4	43	\$8,411	\$27,619	\$65,678	\$101,708	7.7
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	166	227,217	1	7	\$0	\$830	\$830	\$1,660	1.4
Subtotal	2,181	17,079,948	52	569	\$8,411	\$86,684	\$109,643	\$204,738	
TOTAL	2,613	26,510,242	81	790	\$16,722	\$163,134	\$204,216	\$384,073	

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

Ontario Municipal Utilities Company

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	54	432,926	1	27	\$0	\$3,240	\$2,160	\$5,400	3.1
High Efficiency Clothes Washers (HECW)	123	1,382,957	4	59	\$0	\$9,225	\$10,455	\$19,680	2.7
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	38	512,706	2	16	\$0	\$3,040	\$3,040	\$6,080	2.4
Turf Removal (7,416 Sq. Ft.)	4	318,888	1	10	\$0	\$4,890	\$8,732	\$13,622	6.3
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	1	0	0	0	\$0	\$0	\$300	\$300	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (60 Small Sites/ 7 Large Sites)	67	976,918	3	15	\$36,265	\$0	\$0	\$36,265	0.0
Residential Landscape Retrofit Program (12 WBIC/ 108 Nozzles)	9	316,775	1	7	\$4,068	\$0	\$4,234	\$8,303	0.0
Res. Education, Survey, and Controller Upgrade Program (71 WBIC)	67	957,950	3	29	\$0	\$28,027	\$17,178	\$45,205	11.9
Residential Pressure Regulation Program	11	423,018	1	13	\$0	\$2,917	\$2,803	\$5,720	2.8
Subtotal	374	5,322,137	8	176	\$40,333	\$51,339	\$48,902	\$140,575	22.7
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	234	1,876,011	6	115	\$0	\$14,040	\$9,360	\$23,400	3.1
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	1	209,880	1	3	\$0	\$375	\$625	\$1,000	0.7
Weather Based Irrigation Controllers (WBIC)	23	96,695	0.30	3	\$0	\$345	\$805	\$1,150	1.5
Rotating Nozzles for Pop-up Spray Heads (1 App/ 231 Nozzles)	1	0	0	0	\$0	\$3	\$2	\$5	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	259	2,182,585	7	121	\$0	\$14,763	\$10,792	\$25,555	
TOTAL	633	7,504,722	15	298	\$40,333	\$66,102	\$59,694	\$166,130	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	171	1,370,931	4	84	\$0	\$10,260	\$6,840	\$17,100	5.3
High Efficiency Clothes Washers (HECW)	133	1,495,392	5	64	\$0	\$8,645	\$11,305	\$19,950	5.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	21	283,337	1	9	\$0	\$1,470	\$1,680	\$3,150	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	4	2,477	0	0	\$0	\$0	\$140	\$140	23.9
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$829.50 Total Cost)	237	339,849	1	5	\$0	\$356	\$474	\$830	1.0
Residential Landscape Retrofit Program (20 WBIC/ 119 Nozzles)	14	439,835	1	10	\$6,706	\$268	\$6,438	\$13,412	12.9
Residential Education, Survey, and Controller Upgrade Program (16 W	12	215,876	1	7	\$0	\$7,106	\$1,354	\$8,460	16.6
Residential Pressure Regulation Program	20	769,124	2	24	\$0	\$4,887	\$4,333	\$9,220	5.1
Subtotal	612	4,916,821	15	203	\$6,706	\$32,992	\$32,564	\$72,262	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	293	2,349,022	7	144	\$0	\$17,580	\$11,720	\$29,300	5.3
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	9	37,837	0.12	1	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (3 Apps/ 5,050 Nozzles)	5,050	7,241,498	22	111	\$0	\$10,100	\$10,100	\$20,200	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	1	50,189	0	2	\$0	\$1,000	\$1,000	\$2,000	16.8
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	1,075	1,471,439	5	45	\$0	\$10,750	\$5,375	\$16,125	4.6
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$15,676.50 Total Cost)	2,880	3,754,368	12	58	\$0	\$9,917	\$5,760	\$15,677	1.8
Subtotal	9,308	14,904,352	46	361	\$0	\$49,347	\$33,955	\$83,302	
TOTAL	9,920	19,821,173	61	563	\$6,706	\$82,338	\$66,519	\$155,563	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	859	6,886,723	21	423	\$0	\$61,299	\$34,140	\$95,439	6.1
High Efficiency Clothes Washers (HECW)	101	1,135,599	3	49	\$0	\$1,040	\$8,500	\$9,540	3.7
Rotating Nozzles for Pop-up Spray Heads	30	43,012	0.13	0.66	\$0	\$60	\$60	\$120	1.2
Weather based Irrigation Controllers (WBIC)	15	202,384	0.62	6	\$0	\$220	\$1,400	\$1,620	3.5
Turf Removal (7,531 Sq. Ft.)	5	319,066	0.98	10	\$0	\$0	\$15,062	\$15,062	20.7
Rain Barrels	196	121,365	0.37	1.86	\$0	\$0	\$14,520	\$14,520	52.4
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	427	612,301	2	9	\$0	\$683	\$854	\$1,537	1.1
Residential Landscape Retrofit Program (16 WBIC/27 Nozzles)	11	254,593	0.78	7	\$4,718	\$157	\$4,561	\$9,436	16.2
Residential Education, Survey, and Controller Upgrade Program	21	283,337	0.87	9	\$0	\$10,030	\$3,065	\$13,095	20.2
Residential Pressure Regulation Program	6	145,026	0.45	4	\$0	\$1,300	\$950	\$2,250	6.8
Subtotal	1,671	10,003,406	31	520	\$4,718	\$74,789	\$83,112	\$162,619	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	355	2,846,085	9	175	\$0	\$20,030	\$40,870	\$60,900	9.4
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	70	294,288	0.90	9	\$0	\$19,065	\$81,138	\$100,203	149.1
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (282,521 Sq. Ft.)	4	11,969,567	37	367	\$0	\$0	\$345,883	\$345,883	12.7
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	429	15,109,940	46	551	\$0	\$39,095	\$467,891	\$506,986	
TOTAL	2,100	25,113,346	77	1,071	\$4,718	\$113,884	\$551,003	\$669,605	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	760	10,526,570	32	646	\$0	\$20,702	\$74,804	\$95,507	3.9
High Efficiency Clothes Washers (HECW)	146	1,641,558	5	76	\$0	\$1,430	\$12,325	\$13,755	3.6
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	16	1,694,680	5	52	\$0	\$250	\$1,260	\$1,510	0.4
Turf Removal (144,502 Sq. Ft.)	65	6,122,116	19	188	\$0	\$0	\$286,804	\$286,804	20.3
Rain Barrels	15	9,288	0.03	0.14	\$0	\$0	\$1,115	\$1,115	52.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	729	1,045,357	3	16	\$0	\$1,166	\$1,458	\$2,624	1.1
Residential Landscape Retrofit Program (127 WBIC/1,029 Nozzles)	88	14,927,067	46	435	\$37,647	\$0	\$37,647	\$75,295	2.2
Landscape Transformation Program (6,700 Sq. Ft.)	7	305,694	1	9	\$2,010	\$20,150	\$0	\$22,160	31.4
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	1,826	36,272,331	111	1,422	\$39,657	\$43,698	\$415,413	\$498,769	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	1,041	14,452,557	44	887	\$0	\$40,905	\$105,215	\$146,120	4.4
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	51	5,401,793	17	166	\$0	\$6,342	\$14,495	\$20,836	1.7
Rotating Nozzles for Pop-up Spray Heads	1,500	2,150,940	7	33	\$0	\$1,500	\$3,000	\$4,500	0.9
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (379,066 Sq. Ft.)	10	16,059,889	49	493	\$0	\$379,066	\$689,732	\$1,068,798	28.8
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	525	718,610	2	22	\$0	\$2,625	\$2,625	\$5,250	3.2
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	3,806	4,961,502	15	76	\$0	\$4,548	\$7,612	\$12,160	1.1
Subtotal	6,933	43,745,290	134	1,677	\$0	\$434,986	\$822,678	\$1,257,664	
TOTAL	8,759	80,017,621	246	3,099	\$39,657	\$478,684	\$1,238,092	\$1,756,434	

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

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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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	154	2,133,016	6.55	130.90	\$0	\$7,700	\$7,700	\$15,400	3.1
High Efficiency Clothes Washers (HECW)	86	773,556	2.37	35.60	\$0	\$5,590	\$7,310	\$12,900	7.2
Rotating Nozzles for Pop-up Spray Heads	33	47,314	0.15	0.73	\$0	\$33	\$132	\$165	1.5
Weather based Irrigation Controllers (WBIC)	5	529,588	1.63	16.25	\$0	\$350	\$400	\$750	0.6
Turf Removal (5,544 Sq. Ft)	4	234,648	0.72	7.20	\$0	\$0	\$11,008	\$11,008	20.3
Rain Barrels	6	635,505	2	20	\$0	\$0	\$450	\$450	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,261	1,643,840	5.04	25.22	\$0	\$0	\$4,540	\$4,540	1.2
Residential Landscape Retrofit Program (20 WBIC/69 Nozzles)	14	2,281,300	7.00	67.00	\$6,638	\$0	\$6,638	\$13,277	2.5
Landscape Transformation Program (26,500 Sq. Ft)	30	482,312	1.30	15.00	\$0	\$34,991	\$53,000	\$87,991	90.0
Subtotal	1,593	8,761,078	27	317	\$6,638	\$48,664	\$91,178	\$146,480	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	603	8,352,002	25.63	512.55	\$0	\$4,850	\$9,700	\$14,550	0.8
Waterless Urinals	9	359,891	1.10	22.09	\$0	\$450	\$1,800	\$2,250	2.7
Cooling Tower Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	14	1,482,845	4.55	45.50	\$0	\$1,398	\$5,386	\$6,784	2.0
Rotating Nozzles for Pop-up Spray Heads	608	792,589	2.43	12.16	\$0	\$608	\$928	\$1,536	0.8
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Turf Removal (110,540 Sq. Ft.)	14	4,683,248	14.37	143.70	\$0	\$86,447	\$225,494	\$311,941	28.9
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	3,831	4,994,092	15.32	76.62	\$0	\$0	\$12,451	\$12,451	1.1
Subtotal	5,079	20,664,667	63	813	\$0	\$93,753	\$255,759	\$349,512	
TOTAL	6,672	29,425,745	90	1,130	\$6,638	\$142,417	\$346,937	\$495,992	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	49	678,585	2.08	41.65	\$0	\$2,450	\$2,450	\$4,900	3.1
High Efficiency Clothes Washers (HECW)	140	1,259,088	3.86	57.96	\$0	\$9,100	\$11,900	\$21,000	7.2
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	\$0	\$140	\$160	\$300	0.6
Rain Barrels	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,014	1,321,652	4.06	20.28	\$0	\$0	\$3,296	\$3,296	1.1
Residential Landscape Retrofit Program (53 WBIC/445 Nozzles)	31	755,974	2.32	179.00	\$15,080	\$0	\$15,080	\$30,161	17.3
Landscape Transformation Program (10,571 Sq. Ft)	11	482,240	1.48	14.80	\$0	\$17,122	\$14,571	\$0	0.0
Subtotal	1,247	4,709,342	14	320	\$15,080	\$28,812	\$47,457	\$59,656	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	97	1,343,321	4.12	82.45	\$0	\$4,850	\$9,700	\$14,550	4.7
Waterless Urinals	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	8	847,213	2.60	26.00	\$0	\$1,398	\$5,386	\$6,784	3.5
Rotating Nozzles for Pop-up Spray Heads	232	302,390	0.93	4.64	\$0	\$232	\$928	\$1,160	1.7
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	1,660	2,163,651	6.64	33.20	\$0	\$0	\$5,395	\$5,395	1.1
Subtotal	1,997	4,656,574	14	146	\$0	\$6,480	\$21,409	\$27,889	
TOTAL	3,244	9,365,916	29	466	\$15,080	\$35,292	\$68,866	\$87,545	

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

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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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	96	863,375	2.65	39.74	\$0	\$6,240	\$8,160	\$14,400	7.5
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	2	211,803	0.65	6.50	\$0	\$140	\$160	\$300	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	1,508	1,965,533	6.03	30.16	\$0	\$0	\$4,901	\$4,901	1.1
Residential Landscape Retrofit Program	27	4,236,063	13.00	115.00	\$9,451	\$1,539	\$10,990	\$21,980	2.3
Landscape Transformation Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	1,633	7,276,774	22	191	\$9,451	\$7,919	\$24,211	\$41,581	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	34	470,855	1.45	28.90	\$2,494	\$1,212	\$1,700	\$5,406	5.1
IEUA Single-Family Direct Install Prog. (HET)	226	3,129,799	9.61	192.10	\$16,575	\$8,059	\$11,300	\$35,934	5.1
Subtotal	260	3,600,654	11	221	\$19,068	\$9,272	\$13,000	\$41,340	
SoCal Water\$mart Commercial Rebates									
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
Cooling Tower Controller	4	159,928	0.49	2.45	\$0	\$4,000	\$7,000	\$11,000	30.8
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)	2	211,803	0.65	6.50	\$0	\$1,080	\$1,800	\$2,880	6.1
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	1,307	1,703,549	5.23	26.14	\$0	\$1,307	\$3,921	\$5,228	1.4
Large Rotary Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	46	344,750	1.06	5.29	\$0	\$460	\$460	\$920	1.2
Air-Cooled Ice Machine	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	6,700	8,732,807	26.80	134.00	\$0	\$0	\$21,775	\$21,775	1.1
Subtotal	8,059	11,152,837	34	174	\$0	\$6,847	\$34,956	\$41,803	
TOTAL	9,952	22,030,265	68	587	\$28,519	\$24,038	\$72,167	\$124,724	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	124	1,115,192	3.42	51.34	\$0	\$0	\$10,540	\$10,540	4.5
Rotating Nozzles for Pop-up Spray Heads	98	127,734	0.39	1.96	\$0	\$196	\$294	\$490	1.8
Weather based Irrigation Controllers (WBIC)	9	953,114	2.93	29.25	\$0	\$405	\$720	\$1,125	0.6
FreeSprinklerNozzles.com Program	4,178	5,446,441	16.71	83.56	\$0	\$0	\$12,534	\$12,534	1.1
Residential Landscape Retrofit Program	7	1,629,500	5.00	45.00	\$0	\$5,106	\$3,852	\$8,959	2.6
Subtotal	4,416	9,271,981	28	211	\$0	\$5,707	\$27,940	\$33,648	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	64	886,315	2.72	54.40	\$4,693.76	\$2,282.24	\$3,200.00	\$10,176.00	5.5
IEUA Single-Family Direct Install Prog. (HET)	370	5,124,007	15.73	314.50	\$27,135.80	\$13,194.20	\$18,500.00	\$58,830.00	5.5
Subtotal	434	6,010,322	18	369	\$31,830	\$15,476	\$21,700	\$69,006	
CII Save-A-Buck Rebate Program									
High Efficiency Toilets (HET)	4	55,395	0.17	3.40	0	140	200	340	2.9
Waterless Urinals	42	1,679,241	5.15	103.07	0	2,100	8,400	10,500	3.0
PH Conductivity Controller	1	209,848	0.64	3.22	0	500	1,750	2,250	5.1
High Efficiency Clothes Washers	0	0	0.00	0.00	0	0	0	0	0.0
Weather based Irrigation Controllers (WBIC)	5	529,508	1.63	16.25	0	1,625	529	2,154	1.9
Rotating Nozzles for Pop-up Spray Heads	750	977,553	3.00	15.00	0	750	2,250	3,000	1.5
Large Rotary Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
FreeSprinklerNozzles.com Program	2,000	2,606,808	8.00	80.00	0	0	26,000	26,000	4.8
Central Computerized Irrigation Controller	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	2,802	6,058,352	19	221	\$0	\$5,115	\$39,129	\$44,244	
TOTAL	7,652	21,340,655	65	801	\$31,830	\$26,299	\$88,769	\$146,898	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	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	2,077,496	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	\$44,598	\$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	858	\$74,000	\$35,981	\$50,450	\$160,431	
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	0.64	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
Pre-Rinse Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	92	1,233,867	4	55	\$0	\$2,431	\$7,163	\$9,594	
TOTAL	1,511	26,531,913	81	1,279	\$74,000	\$60,814	\$102,211	\$237,025	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	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	422,694	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) (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	\$816	\$2,040	10.7
Subtotal	88	1,045,330	3	54	\$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	47	\$4,034	\$1,961	\$9,075	\$15,070	
CII Save-A-Buck Rebate Program									
ULFT Tank	6	74,099	0.23	4.55	\$0	\$0	\$360	\$360	3.2
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	105,087	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	\$0	\$6,690	\$41,988	\$48,678	
TOTAL	1,611	8,071,948	25	345	\$4,034	\$13,485	\$58,849	\$76,368	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	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	\$3,952	\$7,904	8.6
Subtotal	358	4,616,005	14	218	\$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	643.45	\$55,518	\$26,995	\$124,905	\$207,418	12.9
Subtotal	757	10,483,441	32	643	\$55,518	\$26,995	\$124,905	\$207,418	
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	\$26,800	\$26,800	6.5
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	2	17,987	0.06	0.55	\$0	\$200	\$160	\$360	13.1
Water Brooms	1	49,986	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	522	\$0	\$36,110	\$97,443	\$133,553	
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	1,104	\$0	\$0	\$560,169	\$560,169	
TOTAL	1,652	62,563,229	192	2,487	\$55,518	\$87,637	\$824,665	\$967,820	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	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)	9	124,638	0.38	7.65	\$0	\$0	\$1,485	\$1,485	9.1
High Efficiency Clothes Washers (HECW)	168	1,510,906	4.64	69.55	\$0	\$0	\$18,480	\$18,480	9.3
Rotating Nozzles for Pop-up Spray Heads	110	143,374	0.44	2.20	\$0	\$0	\$440	\$440	2.3
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	\$0	\$160	\$80	\$240	1.7
Water Wise Landscape (Turf BuyBack) (2,682 Sq. Ft.)	3	122,351	0.38	3.75	\$0	\$5,364	\$0	\$5,364	33.5
Synthetic Turf (4,977 Sq. Ft.)	5	227,046	0.70	6.97	\$0	\$1,493	\$1,313	\$2,806	9.4
Subtotal	302	2,308,315	7	98	\$0	\$7,017	\$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	\$42,480	\$119,652	10.4
Subtotal	708	8,743,625	27	537	\$51,925	\$25,247	\$42,480	\$119,652	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
ULFT Tank	8	98,798	0.30	6.06	\$0	\$0	\$1,080	\$1,080	8.3
High Efficiency Toilets (HET)	1,140	15,787,481	48.45	969.00	\$0	\$153,900	\$188,100	\$342,000	16.5
Waterless Urinals	262	2,356,294	7.23	108.47	\$0	\$0	\$104,800	\$104,800	33.9
Conductivity Controller	9	1,888,632	5.80	28.98	\$0	\$1,575	\$5,625	\$7,200	2.9
High Efficiency Clothes Washers	5	44,967	0.14	2.07	\$0	\$1,450	\$650	\$2,100	35.6
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
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	1,425	20,226,158	62	1115	\$0	\$156,925	\$300,405	\$457,330	
MWD Public Sector Program									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	5	199,910	0.61	12.27	\$0	\$0	\$6,125	\$6,125	23.4
Water Brooms	7	349,899	1.07	5.37	\$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
Central Computer Irrigation Controllers (CCIC)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	12	549,808	2	18	\$0	\$0	\$8,785	\$8,785	
TOTAL	2,447	31,827,907	98	1,768	\$51,925	\$189,189	\$373,828	\$614,942	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	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)	3	41,546	0.13	2.55	\$0	\$0	\$795	\$795	14.6
High Efficiency Clothes Washers (HECW)	177	4,879,358	14.97	224.61	\$0	\$0	\$19,470	\$19,470	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	9	1,906,228	5.85	58.50	\$0	\$1,440	\$720	\$2,160	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	10	2,118,032	6.50	65.00	\$0	\$0	\$2,400	\$2,400	0.9
Subtotal	215	9,126,076	28	362	\$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	11.4
Subtotal	950	10,741,678	33	659	\$69,673	\$33,877	\$57,000	\$160,550	
CII Save-A-Buck Rebate Program									
ULFT Flushometer	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
ULFT Tank	260	2,939,828	9.02	180.44	\$0	\$3,900	\$35,100	\$39,000	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	2	419,696	1.29	6.44	\$0	\$0	\$1,250	\$1,250	2.3
High Efficiency Clothes Washers (HECW)	41	1,130,247	3.47	52.03	\$0	\$2,870	\$5,330	\$8,200	5.5
Water Brooms	0	0	0.00	0.00	\$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	2.3
Subtotal	317	7,455,015	23	330	\$0	\$6,770	\$50,500	\$57,270	
TOTAL	1,482	27,322,769	84	1,351	\$69,673	\$42,087	\$131,845	\$243,605	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	392	4,432,356	13.60	272.05	\$0	\$2,548	\$23,520	\$26,068	4.5
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	53	599,273	1.84	36.78	\$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	384	\$0	\$2,782	\$43,430	\$46,212	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	2,132	24,106,587	73.98	1479.61	\$0	\$223,860	\$127,920	\$351,780	11.1
Subtotal	2,132	24,106,587	74	1480	\$0	\$223,860	\$127,920	\$351,780	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	672	7,598,324	23.32	466.37	\$0	\$672	\$40,320	\$40,992	4.1
Conductivity Controller (MWD CII)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	52	467,661	1.44	21.53	\$0	\$0	\$13,000	\$13,000	21.2
Water Brooms	2	99,971	0.31	1.53	\$0	\$0	\$200	\$200	1.5
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	\$53,520	\$54,192	
TOTAL	3,497	41,685,434	128	2,437	\$0	\$227,314	\$224,870	\$452,184	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	214	2,419,704	7.43	148.52	\$0	\$1,391	\$12,840	\$14,231	4.5
IEUA Regional Event (ULFT)	11	124,377	0.38	7.63	\$0	\$121	\$660	\$781	4.8
IEUA Rebate Program (ULFT)	107	1,209,852	3.71	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	336	\$0	\$2,240	\$47,420	\$49,660	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	1,066	12,053,294	36.99	739.80	\$0	\$111,930	\$63,960	\$175,890	11.1
Subtotal	1,066	12,053,294	37	740	\$0	\$111,930	\$63,960	\$175,890	
CII Save-A-Buck Rebate Program									
ULFT (Tank)	5	56,535	0.17	3.47	\$0	\$0	\$0	\$0	0.0
Conductivity Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	1	8,993	0.03	0.41	\$0	\$0	\$250	\$250	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	3	3,128,170	9.60	148.00	\$0	\$0	\$6,000	\$6,000	1.5
Subtotal	9	3,193,698	10	152	\$0	\$0	\$6,250	\$6,250	
TOTAL	1,664	21,368,872	66	1228	0	\$114,170	\$117,630	\$231,800	

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

Ontario Municipal Utilities 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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	405	4,579,347	14.05	281.07	\$0	\$810	\$24,300	\$25,110	4.7
IEUA Regional Event (ULFT)	22	248,755	0.76	15.27	\$0	\$242	\$1,320	\$1,562	5.3
IEUA Rebate Program (ULFT)	201	2,272,713	6.97	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	802,854	2.46	12.30	\$0	\$1,484	\$0	\$1,484	2.4
Subtotal	882	9,936,197	30	542	\$0	\$2,963	\$62,540	\$65,503	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	512	5,789,199	17.77	355.33	\$0	\$17,408	\$30,720	\$48,128	4.2
Subtotal	512	5,789,199	18	355	\$0	\$17,408	\$30,720	\$48,128	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	51	458,668	1.41	21.11	\$0	\$0	\$12,750	\$12,750	5.0
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	\$0	\$28,571	\$114,910	\$143,481	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	537	6,071,875	18.63	372.68	\$0	\$1,074	\$32,220	\$33,294	4.7
IEUA Regional Event (ULFT)	174	1,967,423	6.04	120.76	\$0	\$1,914	\$10,440	\$12,354	5.3
IEUA Rebate Program (ULFT)	18	203,527	0.62	12.49	\$0	\$18	\$1,080	\$1,098	4.3
High Efficiency Clothes Washers	189	1,699,769	5.22	78.25	\$0	\$189	\$20,790	\$20,979	5.7
Pool Cover Rebates	29	1,246,986	3.83	19.15	\$0	\$1,537	\$0	\$1,537	2.4
Subtotal	947	11,189,580	34	603	\$0	\$4,732	\$64,530	\$69,262	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	339	3,833,083	11.76	235.27	\$0	\$11,526	\$20,340	\$31,866	4.2
Subtotal	339	3,833,083	12	235	\$0	\$11,526	\$20,340	\$31,866	
CII 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	50	\$0	\$1,000	\$16,550	\$17,550	
TOTAL	1,457	17,953,627	55	944	\$0	\$17,258	\$101,420	\$118,678	

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



San Antonio Water Company
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	7	78,705	0	3	\$0	\$375	\$595	\$970	1.9
Rotating Nozzles for Pop-up Spray Heads (1 App/ 150 Nozzles)	1	215,094	1	3	\$0	\$450	\$300	\$750	0.8
Weather based Irrigation Controllers (WBIC)	3	40,477	0	1	\$0	\$240	\$240	\$480	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	11	334,276	1	8	\$0	\$1,065	\$1,135	\$2,200	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
FINAL TOTAL	11	334,276	1	8	\$0	\$1,065	\$1,135	\$2,200	

⁽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)				IEUA Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	2	22,487	0	1	\$0	\$150	\$170	\$320	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	6	80,954	0	2	\$0	\$480	\$480	\$960	2.3
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	8	103,441	0	3	0	630	650	1,280	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	8	103,441	0	3	\$0	\$630	\$650	\$1,280	

⁽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)				IEUA Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	2	16,034	0	1	\$0	\$120	\$80	\$200	2.9
High Efficiency Clothes Washers (HECW)	2	22,487	0	1	\$0	\$150	\$170	\$320	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	4	53,969	0	2	\$0	\$320	\$320	\$640	2.3
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	8	92,490	0	4	0	590	570	1,160	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	8	92,490	0	4	\$0	\$590	\$570	\$1,160	

⁽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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	2	16,034	0.0	1	\$0	\$120	\$80	\$200	3.1
High Efficiency Clothes Washers (HECW)	4	44,974	0.1	2	\$0	\$300	\$340	\$640	2.7
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	11	148,415	0.5	5	\$0	\$880	\$880	\$1,760	2.4
Turf Removal (0 Sq. Ft.)	0	0	0.0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0.0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0.0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0.0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (0 Small Sites/ 0 Large Sites)	0	N/A	N/A	N/A	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	17	209,423	1	7	\$0	\$1,300	\$1,300	\$2,600	5.4
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$3,608	\$0	\$3,608	
TOTAL	17	209,423	1	7	\$0	\$4,908	\$1,300	\$6,208	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	4	44,974	0.14	2	\$0	\$260	\$340	\$600	5.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	2	26,985	0	1	\$0	\$140	\$160	\$300	4.7
Turf Removal (0 Sq. Ft.)	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (4 WBIC/ 135 Nozzles)	1	247,554	0.76	6	\$479	\$19	\$460	\$958	1.6
Residential Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0.00	0	\$0	\$0	\$0	\$0	0.0
Subtotal	7	319,512	1	8	\$479	\$419	\$960	\$1,858	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$0 Total Cost)	0	0	0	0	\$0	\$0	\$0	\$0	\$0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	7	319,512	1	8	\$479	\$419	\$960	\$1,858	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	2	16,034	0.05	1	\$0	\$220	\$80	\$300	8.2
High Efficiency Clothes Washers (HECW)	5	56,218	0.17	2	\$0	\$130	\$425	\$555	4.3
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	1	13,492	0	0	\$0	\$0	\$80	\$80	2.6
Turf Removal (4,100 Sq. Ft.)	2	173,705	0.53	5	\$0	\$0	\$8,200	\$8,200	20.7
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (2 WBIC/0 Nozzles)	1	26,985	0.08	1	\$510	\$0	\$510	\$1,021	16.6
Residential Education, Survey, and Controller Upgrade Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	3	46,930	0.14	1	\$0	\$384	\$281	\$665	6.2
Subtotal	14	333,363	1	11	\$510	\$734	\$9,576	\$10,821	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	14	333,363	1	11	\$510	\$734	\$9,576	\$10,821	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	17	235,463	1	14	\$0	\$444	\$1,580	\$2,024	3.9
High Efficiency Clothes Washers (HECW)	2	22,487	0.07	1	\$0	\$130	\$170	\$300	6.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (24,311 Sq. Ft.)	10	1,029,984	3	32	\$5,000	\$0	\$48,302	\$53,302	23.4
Rain Barrels	4	2,477	0.01	0.08	\$0	\$0	\$300	\$300	54.7
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (9 WBIC/0 Nozzles)	5	953,258	3	29	\$2,896	\$0	\$2,896	\$5,792	2.7
Landscape Transformation Program (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	38	2,243,668	7	76	\$7,896	\$574	\$53,248	\$61,718	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	6	53,969	0	3	\$0	\$300	\$300	\$600	4.8
High Efficiency Clothes Washers (HECW)	7	62,964	0.19	3	\$0	\$455	\$560	\$1,015	7.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	3	317,753	1	10	\$0	\$210	\$240	\$450	0.6
Turf Removal (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	8	847,340	2.60	26.00	\$0	\$0	\$600	\$600	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (20 WBIC/0 Nozzles)	9	2,118,350	7	65	\$10,561	\$0	\$10,561	\$21,122	4.3
Landscape Transformation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	33	3,400,375	10	107	\$10,561	\$965	\$12,261	\$23,787	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	33	3,400,375	10	107	\$10,561	\$965	\$12,261	\$23,787	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	1	8,993	0	1	\$0	\$50	\$50	\$100	4.8
High Efficiency Clothes Washers (HECW)	13	116,915	0.36	5	\$0	\$845	\$1,040	\$1,885	7.0
Rotating Nozzles for Pop-up Spray Heads	2	2,607	0.01	0.04	\$0	\$4	\$8	\$12	2.0
Weather based Irrigation Controllers (WBIC)	1	105,902	0.33	3	\$0	\$70	\$80	\$150	0.6
Rain Barrels	5	529,508	1.63	16.25	\$0	\$0	\$375	\$375	
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (6 WBIC/74 Nozzles)	4	651,702	2	22	\$1,843	\$0	\$1,843	\$3,686	2.5
Landscape Transformation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	26	1,415,627	4	47	\$1,843	\$969	\$3,396	\$6,208	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	26	1,415,627	4	47	\$1,843	\$969	\$3,396	\$6,208	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	6	53,961	0.17	2	\$0	\$390	\$480	\$870	7.2
Rotating Nozzles for Pop-up Spray Heads	2	2,607	0.01	0.04	\$0	\$4	\$8	\$12	2.1
Weather based Irrigation Controllers (WBIC)	1	105,902	0.33	3	\$0	\$70	\$80	\$150	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program	4	651,702	2	22	\$1,598	\$260	\$1,858	\$3,716	2.6
Landscape Transformation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	13	814,171	2	28	\$1,598	\$724	\$2,426	\$4,748	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Single-Family Direct Install Prog. (HET)	18	249,276	1	15	\$1,320	\$642	\$900	\$2,862	5.1
Subtotal	18	249,276	1	15	\$1,320	\$642	\$900	\$2,862	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	31	1,063,447	3	43	\$2,918	\$1,366	\$3,326	\$7,610	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	8	71,948	0.22	3.31	\$0	\$400	\$880	\$1,280	8.5
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	0.6
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program	6	1,955,106	6.00	55.00	\$0	\$3,737	\$3,529	\$7,266	2.4
Subtotal	15	2,132,955	7	62	\$0	\$4,182	\$4,489	\$8,671	
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
IEUA Single-Family Direct Install Prog. (HET)	12	166,184	0.51	10.20	\$880	\$428	\$600	\$1,908	5.5
Subtotal	12	166,184	1	10	\$880	\$428	\$600	\$1,908	
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
High Efficiency Clothes Washers	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
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	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	27	2,299,139	8	72	\$880	\$4,610	\$5,089	\$10,579	

⁽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⁾
					Outside Funding	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	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) (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Synthetic Turf (5,235 Sq. Ft.)	8	238,816	0.73	7.33	\$0	\$2,356	\$1,571	\$3,926	10.7
Subtotal	17	319,758	1	11	\$0	\$2,806	\$2,561	\$5,366	
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	\$0	\$0	\$0	\$0	
CII Save-A-Buck Rebate Program									
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	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	\$0	\$0	\$0	\$0	
TOTAL	17	319,758	1	11	\$0	\$2,806	\$2,561	\$5,366	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2009-2010									
Residential Rebate Programs									
High Efficiency Toilets (HET)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
High Efficiency Clothes Washers (HECW)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Weather Based Irrigation Controllers (WBIC)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Water Wise Landscape (Turf Buy Back) (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0
Synthetic Turf (5,235 Sq. Ft.)	2	238,816	0.73	7.33	\$0	\$2,356	\$1,571	\$3,926	10.7
Subtotal	2	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	\$0	\$0	\$0	\$0	
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	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	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	\$0	\$0	\$0	
TOTAL	2	238,816	1	7	\$0	\$2,356	\$1,571	\$3,926	

⁽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⁾
					Outside Funding	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)	2	27,697	0.09	1.70	\$0	\$0	\$330	\$330	7.8
High Efficiency Clothes Washers (HECW)	9	80,941	0.25	3.73	\$0	\$0	\$990	\$990	8.0
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) (3,750 Sq. Ft.)	3	171,072	0.53	5.25	\$0	\$6,000	\$0	\$6,000	22.9
Synthetic Turf (840 Sq. Ft.)	1	38,320	0.12	1.18	\$0	\$252	\$252	\$504	8.6
Subtotal	15	318,031	1	12	\$0	\$6,252	\$1,572	\$7,824	
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	\$0	\$0	\$0	\$0	
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
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
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
Large Rotary Nozzles	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	\$0	\$0	\$0	\$0	
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
Synthetic Turf (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	15	318,031	1	12	\$0	\$6,252	\$1,572	\$7,824	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2007-2008									
Residential Rebate Programs									
Ultra Low Flush Toilets (ULFT)	4	49,399	0.15	3.03	\$0	\$0	\$240	\$240	3.7
High Efficiency Toilets (HET)	1	13,849	0.04	0.85	\$0	\$0	\$165	\$165	9.1
High Efficiency Clothes Washers (HECW)	24	215,844	0.66	9.94	\$0	\$0	\$2,640	\$2,640	9.3
Rotating Nozzles for Pop-up Spray Heads	19	24,765	0.08	0.38	\$0	\$0	\$76	\$76	2.3
Weather Based Irrigation Controllers (WBIC)	3	317,705	0.98	9.75	\$0	\$480	\$240	\$720	1.7
Water Wise Landscape (Turf Buy Back) (Sq. Ft.)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Synthetic Turf (3,559 Sq. Ft.)	2	162,359	0.50	4.98	\$0	\$1,068	\$1,068	\$2,135	10.0
Subtotal	53	783,919	2	29	\$0	\$1,548	\$4,429	\$5,976	
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	\$0	\$0	\$0	\$0	
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
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
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 (1,200 Sq. Ft.)	1	54,743	0.17	1.68	\$0	\$360	\$360	\$720	10.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	1	54,743	0	2	\$0	\$360.00	\$360.00	\$720.00	
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	\$0	\$0	\$0	\$0	
TOTAL	54	838,662	3	31	\$0	\$1,908	\$4,789	\$6,696	

⁽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⁾
					Outside Funding	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	\$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	\$0	\$0	\$0	\$0	
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	\$0	\$0	\$0	\$0	
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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Rebate Program (ULFT)	11	124,377	0.38	7.63	\$0	\$11	\$660	\$671	4.1
High Efficiency Clothes Washers	14	125,909	0.39	5.80	\$0	\$14	\$1,540	\$1,554	9.4
Subtotal	25	250,286	1	13	\$0	\$25	\$2,200	\$2,225	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	4	45,228	0.14	2.78	\$0	\$420	\$240	\$660	11.1
Subtotal	4	45,228	0.14	3	\$0	\$420	\$240	\$660	11.1
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Conductivity Controller (MWD CII)	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
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	
TOTAL	29	295,514	1	16	\$0	\$445	\$2,440	\$2,885	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	\$0	\$22	\$120	\$142	4.8
IEUA Rebate Program (ULFT)	6	67,842	0.21	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	\$0	\$54	\$3,340	\$3,394	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
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	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	2	22,614	0.07	1.39	\$0	\$22	\$120	\$142	3.4
IEUA Rebate Program (ULFT)	25	282,676	0.87	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	\$655	\$4,370	\$5,025	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
CII 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	0.00	0.00	\$0	\$0	\$0	\$0	0.0
IEUA Regional Event (ULFT)	4	45,228	0.14	2.78	\$0	\$44	\$240	\$284	6.7
IEUA Rebate Program (ULFT)	18	203,527	0.62	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	\$0	\$221	\$1,320	\$1,541	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	0	0	0.00	0.00	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
CII 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 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	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	25	1,495,741	5	34	\$0	\$221	\$1,320	\$1,541	

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



City of Upland
Regional Water Use Efficiency Programs
Summary Charts

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	5	40,086	0	2	\$0	\$300	\$200	\$500	2.9
High Efficiency Clothes Washers (HECW)	62	697,100	2	30	\$0	\$2,550	\$5,270	\$7,820	1.4
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 47 Nozzles)	1	67,396	0	1	\$0	\$141	\$94	\$235	0.8
Weather based Irrigation Controllers (WBIC)	38	512,706	2	16	\$0	\$3,040	\$2,929	\$5,969	2.3
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (23,980 sq. ft.)	14	1,438,800	4	132	\$0	\$22,064	\$47,960	\$70,024	6.0
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	1	16,295	0	1	\$0	\$49	\$100	\$149	1.2
Flow Monitor Device on Customer Property	1	16,295	0	1	\$0	\$60	\$100	\$160	1.4
Subtotal	124	2,789,916	9	183	\$0	\$28,204	\$56,723	\$84,927	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	127	9,602,318	29	59	\$0	\$33,856	\$18,450	\$52,306	1.4
Residential Landscape Retrofit Program (65 WBIC/ 12 Nozzles)	45	894,204	3	27	\$0	\$28,081	\$7,905	\$35,986	12.3
Res. Education, Survey, and Controller Upgrade Program (95 WBIC)	79	1,281,765	4	39	\$0	\$46,321	\$7,440	\$53,761	14.2
Residential Pressure Regulation Program	43	193,389	1	6	\$0	\$25,376	\$1,050	\$26,426	51.5
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	294	11,971,676	37	131	\$0	\$133,635	\$34,845	\$168,480	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (585 Stations)	21	3,412,662	10	105	\$0	\$8,775	\$20,475	\$29,250	1.0
Rotating Nozzles for Pop-up Spray Heads (1 App/ 110 Nozzles)	1	157,736	0	2	\$0	\$330	\$220	\$550	0.8
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (14,000 sq. ft.)	1	602,000	2	55	\$0	\$14,000	\$28,000	\$42,000	9.1
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	23	4,172,397	13	163	\$0	\$23,105	\$48,695	\$71,800	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	31	1,456,773	4	22	\$4,452	\$3,094	\$0	\$7,546	0.8
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	31	1,456,773	4	22	\$4,452	\$3,094	\$0	\$7,546	
FINAL TOTAL	472	20,390,762	63	499	\$4,452	\$188,038	\$140,263	\$332,752	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	5	40,086	0	2	\$0	\$300	\$200	\$500	2.9
High Efficiency Clothes Washers (HECW)	49	550,934	2	24	\$0	\$3,675	\$4,165	\$7,840	2.6
Rotating Nozzles for Pop-up Spray Heads (3 Apps/ 114 Nozzles)	3	163,471	1	3	\$0	\$342	\$228	\$570	0.8
Weather based Irrigation Controllers (WBIC)	74	998,427	3	31	\$0	\$5,920	\$5,920	\$11,840	2.3
Hose Bib Controller	2	26,985	0	1	\$0	\$0	\$70	\$70	0.0
Turf Replacement (28,641 sq. ft.)	17	1,718,460	5	158	\$0	\$28,641	\$56,262	\$84,903	6.5
Rain Barrels	6	3,715	0	0	\$0	\$0	\$210	\$210	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	81	6,124,313	19	38	\$0	\$20,837	\$12,150	\$32,987	1.3
Residential Landscape Retrofit Program (79 WBIC/ 128 Nozzles)	59	1,249,435	4	36	\$0	\$38,694	\$7,638	\$46,332	12.2
Res. Education, Survey, and Controller Upgrade Program (54 WBIC)	45	728,582	2	22	\$0	\$17,665	\$12,820	\$30,485	9.5
Residential Pressure Regulation Program	29	130,425	0	4	\$0	\$16,157	\$700	\$16,857	48.6
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	370	11,734,834	36	318	\$0	\$132,231	\$100,363	\$232,594	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	4	16,816	0.05	1	\$0	\$60	\$140	\$200	1.4
Rotating Nozzles for Pop-up Spray Heads (1 App/ 77 Nozzles)	1	110,415	0	2	\$0	\$231	\$154	\$385	0.8
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (24,921 sq. ft.)	2	1,071,603	3	99	\$0	\$24,921	\$49,842	\$74,763	9.1
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	7	1,198,834	4	101	\$0	\$25,212	\$50,136	\$75,348	
TOTAL	377	12,933,668	40	419	\$0	\$157,443	\$150,499	\$307,942	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2019-2020									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	6	48,103	0	3	\$0	\$360	\$240	\$600	2.9
High Efficiency Clothes Washers (HECW)	45	505,960	2	22	\$0	\$3,375	\$3,825	\$7,200	2.6
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	100	1,349,226	4	41	\$0	\$8,000	\$8,000	\$16,000	2.3
Turf Replacement (30,049 sq. ft.)	24	1,292,107	4	40	\$0	\$26,784	\$60,098	\$86,882	8.1
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	58	4,385,310	13	27	\$0	\$7,065	\$13,444	\$20,508	0.6
Residential Landscape Retrofit Program (79 WBIC/ 61 Nozzles)	61	1,153,360	4	34	\$854	\$22,556	\$23,861	\$47,270	7.7
Res. Education, Survey, and Controller Upgrade Program (50 WBIC)	43	674,613	2	21	\$0	\$18,153	\$11,384	\$29,537	10.6
Residential Pressure Regulation Program	42	188,892	1	6	\$0	\$14,271	\$10,705	\$24,976	29.7
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	381	9,598,809	29	193	\$854	\$100,563	\$131,626	\$233,043	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	237	1,900,062	6	117	\$0	\$14,220	\$9,480	\$23,700	2.9
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	12	50,449	0.15	2	\$0	\$180	\$420	\$600	1.4
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (54,124 sq. ft.)	10	2,327,332	7	71	\$20,487	\$33,637	\$108,248	\$162,372	5.7
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	259	4,277,844	13	190	\$20,487	\$48,037	\$118,148	\$186,672	
TOTAL	640	13,876,653	43	383	\$21,341	\$148,600	\$249,774	\$419,715	

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

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)				IEUA Payback Period (years)
					Outside Funding	IEUA	MWD	Total	
FY 2018-2019									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	21	168,360	1	10	\$0	\$1,260	\$840	\$2,100	3.1
High Efficiency Clothes Washers (HECW)	43	483,473	1	21	\$0	\$3,225	\$3,655	\$6,880	2.7
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	64	863,505	3	26	\$0	\$5,120	\$5,120	\$10,240	2.4
Turf Removal (13,379 Sq. Ft.)	8	575,297	2	18	\$0	\$10,551	\$25,318	\$35,869	7.5
Rain Barrels	7	4,334	0	0	\$0	\$0	\$245	\$245	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program (8 Small Sites/ 16 Large Sites)	24	N/A	N/A	N/A	\$12,990	\$0	\$0	\$12,990	0.0
Residential Landscape Retrofit Program (36 WBIC/ 438 Nozzles)	24	4,857,214	15	25	\$10,849	\$0	\$11,292	\$22,140	0.0
Res. Education, Survey, and Controller Upgrade Program (63 WBIC)	55	850,012	3	26	\$0	\$23,007	\$14,101	\$37,109	11.0
Residential Pressure Regulation Program	57	2,192,003	7	67	\$0	\$15,117	\$14,524	\$29,642	2.8
Subtotal	303	9,994,198	8	193	\$23,839	\$58,281	\$75,095	\$157,215	25.4
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	146	1,170,502	4	72	\$0	\$8,760	\$5,840	\$14,600	3.1
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	8,408	0.03	0	\$0	\$30	\$70	\$100	1.5
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (14,038 Sq. Ft.)	2	603,634	2	19	\$0	\$12,512	\$28,076	\$40,588	8.5
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	150	1,782,545	5	91	\$0	\$24,910	\$33,986	\$58,896	
TOTAL	453	11,776,743	14	284	\$23,839	\$83,190	\$109,081	\$216,110	

⁽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

Funding Sources (dollars)									
Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Outside Funding	IEUA	MWD	Total	Payback Period (years) ⁽¹⁾
FY 2017-2018									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	8	64,137	0	4	\$0	\$480	\$320	\$800	5.3
High Efficiency Clothes Washers (HECW)	43	483,473	1	21	\$0	\$2,795	\$3,655	\$6,450	5.6
Rotating Nozzles for Pop-up Spray Heads (1 Apps/ 30 Nozzles)	30	43,012	0	1	\$0	\$90	\$60	\$150	1.5
Weather based Irrigation Controllers (WBIC)	34	458,737	1	14	\$0	\$2,380	\$2,720	\$5,100	4.7
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	2	1,238	0	0	\$0	\$0	\$70	\$70	23.9
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program (\$262.50 Total Cost)	50	71,698	0	1	\$0	\$163	\$100	\$263	1.5
Residential Landscape Retrofit Program (5 WBIC/ 147 Nozzles)	6	278,253	1	6	\$2,874	\$115	\$2,759	\$5,748	8.7
Residential Education, Survey, and Controller Upgrade Program (1 WBIC)	1	13,492	0	0	\$0	\$592	\$113	\$705	22.1
Residential Pressure Regulation Program	13	499,931	2	15	\$0	\$3,176	\$2,817	\$5,993	5.1
Subtotal	187	1,913,972	6	63	\$2,874	\$9,791	\$12,614	\$25,279	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	284	2,276,868	7	140	\$0	\$17,040	\$11,360	\$28,400	5.3
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	21	88,286	0.27	3	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (8 Apps/ 7,570 Nozzles)	7,570	10,855,077	33	167	\$0	\$15,140	\$15,140	\$30,280	1.2
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program (\$5737.60 Total Cost)	1,587	2,068,813	6	32	\$0	\$2,564	\$3,174	\$5,738	1.2
Subtotal	9,462	15,289,044	47	341	\$0	\$34,744	\$29,674	\$64,418	
TOTAL	9,649	17,203,016	53	403	\$2,874	\$44,535	\$42,288	\$89,696	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2016-2017									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	24	192,411	1	12	\$0	\$1,416	\$960	\$2,376	5.4
High Efficiency Clothes Washers (HECW)	52	584,665	2	25	\$0	\$845	\$4,420	\$5,265	3.9
Rotating Nozzles for Pop-up Spray Heads	65	93,193	0	1	\$0	\$0	\$130	\$130	0.6
Weather based Irrigation Controllers (WBIC)	32	431,752	1	13	\$0	\$712	\$2,560	\$3,272	3.3
Turf Removal (36,347 Sq. Ft.)	26	1,539,913	5	47	\$0	\$0	\$72,484	\$72,484	20.6
Rain Barrels	6	3,715	0.01	0	\$0	\$0	\$450	\$450	53.1
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	174	249,509	1	4	\$0	\$278	\$348	\$626	1.1
Residential Landscape Retrofit Program (4 WBIC/175 Nozzles)	4	304,912	0.94	6	\$1,740	\$0	\$1,740	\$3,481	5.0
Residential Education, Survey, and Controller Upgrade Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	383	3,400,071	10	108	\$1,740	\$3,252	\$83,092	\$88,085	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	10	42,041	0.1	1	\$0	\$2,460	\$5,740	\$8,200	85.4
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (0 Sq. Ft.)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Contro	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	10	42,041	0	1	\$0	\$2,460	\$5,740	\$8,200	
TOTAL	393	3,442,112	11	110	\$1,740	\$5,712	\$88,832	\$96,285	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2015-2016									
SoCal WaterSmart Residential Rebates									
High Efficiency Toilets (HET)	197	2,728,598	8	167	\$0	\$4,157	\$19,128	\$23,285	3.9
High Efficiency Clothes Washers (HECW)	71	798,292	2	37	\$0	\$1,820	\$5,950	\$7,770	4.4
Rotating Nozzles for Pop-up Spray Heads	86	123,321	0	2	\$0	\$0	\$344	\$344	1.3
Weather based Irrigation Controllers (WBIC)	21	2,224,268	7	68	\$0	\$720	\$1,521	\$2,241	0.5
Turf Removal (246,352 Sq. Ft.)	108	10,437,195	32	320	\$0	\$0	\$464,746	\$464,746	20.1
Rain Barrels	97	60,063	0.18	1	\$0	\$0	\$7,127	\$7,127	53.6
Soil Moisture Sensor Systems	1	13,492	0.04	0.41	\$0	\$0	\$80	\$80	2.7
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	300	430,188	1	7	\$0	\$480	\$600	\$1,080	1.1
Residential Landscape Retrofit Program (79 WBIC/974 Nozzles)	52	9,764,160	30	278	\$24,225	\$0	\$24,225	\$48,451	2.2
Landscape Transformation Program (6,650 Sq. Ft.)	7	281,741	1	9	\$1,995	\$19,915	\$0	\$21,910	35.2
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	940	26,861,317	82	889	\$26,220	\$27,092	\$523,721	\$577,033	
SoCal WaterSmart Commercial Rebates									
High Efficiency Toilets (HET)	545	7,548,659	23	463	\$0	\$24,035	\$73,539	\$97,574	5.8
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	2	211,835	1	7	\$0	\$0	\$1,610	\$1,610	3.4
Rotating Nozzles for Pop-up Spray Heads	1,881	2,697,279	8	41	\$0	\$0	\$15,984	\$15,984	2.7
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	210	1,574,097	5	24	\$0	\$2,100	\$2,100	\$4,200	1.2
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (149,971 Sq. Ft.)	12	6,353,821	19	195	\$0	\$86,576	\$177,079	\$263,655	18.8
Soil Moisture Sensor Systems	1	0	0	0	\$0	\$0	\$980	\$980	105.4
Plumbing Flow Contro	706	966,359	3	30	\$0	\$3,530	\$3,530	\$7,060	3.3
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	100	130,360	0	2	\$0	\$160	\$200	\$360	1.2
Subtotal	3,457	19,482,410	60	762	\$0	\$116,401	\$275,022	\$391,423	
TOTAL	4,397	46,343,726	142	1,651	\$26,220	\$143,493	\$798,743	\$968,456	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2014-2015									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	78	1,080,359	3	66	\$0	\$3,900	\$3,900	\$7,800	3.1
High Efficiency Clothes Washers (HECW)	120	1,079,381	3	50	\$0	\$7,800	\$10,200	\$18,000	7.2
Rotating Nozzles for Pop-up Spray Heads	344	448,438	1	7	\$0	\$344	\$1,376	\$1,720	1.7
Weather based Irrigation Controllers (WBIC)	10	1,059,175	3	33	\$0	\$700	\$800	\$1,500	0.6
Turf Removal (11,453 Sq. Ft.)	9	482,332	1	15	\$0	\$0	\$22,076	\$22,076	19.8
Rain Barrels	16	1,694,680	5	52	\$0	\$0	\$1,200	\$1,200	0.3
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	860	1,121,096	3	17	\$0	\$0	\$38,700	\$38,700	15.0
Residential Landscape Retrofit Program (0 WBIC/0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Landscape Transformation Program (16,550 Sq. Ft.)	19	349,039	1	11	\$0	\$22,524	\$33,100	\$55,624	69.1
Subtotal	1,456	7,314,500	22	250	\$0	\$35,268	\$111,352	\$146,620	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	25	346,269	1	21	\$0	\$100	\$200	\$300	0.4
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	4	423,670	1	13	\$0	\$4,921	\$23,418	\$28,339	29.0
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal (127,969 Sq. Ft.)	12	5,421,663	17	166	\$0	\$127,969	\$255,938	\$383,907	30.7
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	400	521,440	2	8	\$0	\$0	\$1,300	\$1,300	1.1
Subtotal	441	6,713,041	21	209	\$0	\$132,990	\$280,856	\$413,847	
TOTAL	1,897	14,027,541	43	459	\$0	\$168,258	\$392,208	\$560,467	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2013-2014									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	52	720,131	2	44	\$0	\$2,600	\$2,600	\$5,200	3.1
High Efficiency Clothes Washers (HECW)	125	1,124,186	3	52	\$0	\$8,125	\$10,625	\$18,750	7.2
Rotating Nozzles for Pop-up Spray Heads	2	2,607	0	0	\$0	\$2	\$8	\$10	1.7
Weather based Irrigation Controllers (WBIC)	12	1,270,819	4	39	\$0	\$840	\$960	\$1,800	0.6
Rain Barrels	27	16,716	0.05	0.26	\$0	\$0	\$2,025	\$2,025	52.5
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	2,538	3,308,039	10	51	\$0	\$0	\$34,938	\$34,938	4.6
Residential Landscape Retrofit Program (39 WBIC/486 Nozzles)	24	4,887,765	15	138	\$12,043	\$0	\$12,043	\$24,086	2.1
Landscape Transformation Program (7,650 Sq. Ft.)	9	348,986	1.07	11	\$0	\$14,733	\$8,700	\$23,433	29.1
Subtotal	2,789	11,679,249	36	335	\$12,043	\$26,300	\$71,899	\$110,242	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	2	27,697	0.09	2	\$0	\$100	\$200	\$300	4.7
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	51	5,400,980	17	166	\$0	\$4,921	\$23,418	\$28,339	2.3
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	315	2,360,790	7	72	\$0	\$3,150	\$3,150	\$6,300	1.2
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Removal	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
FreeSprinklerNozzles.com Program	3,917	5,105,433	16	78	\$0	\$0	\$12,730	\$12,730	1.1
Subtotal	4,285	12,894,902	40	318	\$0	\$8,171	\$39,498	\$47,670	
TOTAL	7,074	24,574,151	75	653	\$12,043	\$34,471	\$111,397	\$157,912	

⁽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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2012-2013									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	109	980,290	3	45	\$0	\$7,085	\$9,265	\$16,350	7.5
Rotating Nozzles for Pop-up Spray Heads	1	1,303	0.004	0.02	\$0	\$1	\$4	\$5	1.7
Weather based Irrigation Controllers (WBIC)	5	529,508	2	16	\$0	\$350	\$400	\$750	0.6
IEUA Locally Implemented Residential Programs									
FreeSprinklerNozzles.com Program	2,525	3,291,095	10	51	\$0	\$0	\$34,938	\$34,938	4.8
Residential Landscape Retrofit Program	23	5,865,318	18	140	\$11,631	\$1,894	\$13,524	\$27,049	2.1
Landscape Transformation Program (2,954 Sq. Ft.)	3	134,759	0.41	4	\$861	\$2,381	\$2,869	\$6,111	20.3
Subtotal	2,666	10,802,273	33	256	\$12,492	\$11,711	\$61,000	\$85,203	
IEUA High Efficiency Toilet (HET) Installation Prog.									
IEUA Multi-Family Direct Install Prog. (HET)	256	3,545,259	11	218	\$18,775	\$9,129	\$12,800	\$40,704	5.1
IEUA Single-Family Direct Install Prog. (HET)	633	8,766,207	27	538	\$46,424	\$22,573	\$31,650	\$100,647	5.1
Subtotal	889	12,311,465	38	756	\$65,199	\$31,702	\$44,450	\$141,351	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers	0	0	0	0	0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	27	2,859,343	9	88	0	\$1,474	\$4,140	\$5,614	0.9
Rotating Nozzles for Pop-up Spray Heads	0	0	0	0	0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	200	1,498,915	5	23	0	\$2,000	\$2,000	\$4,000	1.2
Air-Cooled Ice Machine	0	0	0	0	0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Commercial Programs									
Fontana Unified School Retrofit Program	0	0	0	0	0	\$0	\$0	\$0	0.0
FreeSprinklerNozzles.com Program	5,300	6,908,041	21	106	0	\$0	\$17,225	\$17,225	1.1
Subtotal	5,527	11,266,298	35	217	\$0	\$3,474	\$23,365	\$26,840	
TOTAL	9,082	34,380,037	106	1,228	\$77,691	\$46,887	\$128,815	\$253,394	

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

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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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2011-2012									
Residential Rebate Programs									
High Efficiency Clothes Washers (HECW)	130	1,169,153	3.59	53.82	0	0	11,050	11,050	4.5
Rotating Nozzles for Pop-up Spray Heads	31	40,406	0.12	0.62	0	62	93	155	1.8
Weather Based Irrigation Controllers (WBIC)	11	1,164,917	3.58	35.75	0	495	880	1,375	0.6
FreeSprinklerNozzles.com Program	10,624	13,849,446	42.50	212.48	0	0	32,250	32,250	1.1
Residential Landscape Retrofit Program	5	1,303,600	4.00	35.00	0	3,262	3,053	6,315	2.3
Subtotal	10,801	17,527,523	54	338	0	3,819	47,326	51,145	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	36	498,552	1.53	30.60	2,640	1,284	1,800	5,724	5.5
IEUA Single-Family Direct Install Prog. (HET)	794	10,995,842	33.75	674.90	58,232	28,314	39,700	126,246	5.5
Subtotal	830	11,494,394	35	706	60,872	29,598	41,500	131,970	
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
PH 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
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	117	600	717	3.2
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
FreeSprinklerNozzles.com Program	2,000	11,730,636	36.00	360.00	0	0	26,000	0	0.0
Central Computerized Irrigation Controller	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	2,001	11,836,538	36	363	0	117	26,600	717	
TOTAL	13,632	40,858,454	125	1,406	60,872	33,534	115,426	183,832	

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

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Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	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	19,465	19,465	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	8.60	0	0	32,250	32,250	37.6
Residential Landscape Retrofit Program	17	4,562,600	14.00	117.00	0	11,287	8,831	20,118	2.9
Subtotal	942	8,245,802	25	254	0	12,773	62,545	75,319	
IEUA Multi-Family Direct Install Prog. (HET)									
IEUA Multi-Family Direct Install Prog. (HET)	117	1,620,294	4.97	99.45	8,581	4,172	5,850	18,603	7.5
Subtotal	117	1,620,294	5	99	8,581	4,172	5,850	18,603	
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	250	1,000	1,250	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
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	37	931,119	3	44	0	2,280	5,450	7,730	
TOTAL	1,096	10,797,216	33	397	8,581	19,226	73,845	101,652	

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

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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⁾
					Outside Funding	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) (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	1,768,563	5	86	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	293	143	660	1,096	
CII 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	6.5
High Efficiency Clothes Washers	29	260,811	0.80	8.00	0	2,900	2,320	5,220	13.1
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	4.4
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	0	0.0
Pre-Rinse Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Subtotal	1,913	8,352,474	26	335	0	31,310	64,372	89,114	
TOTAL	2,075	10,176,431	31	424	293	40,389	77,406	111,521	

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

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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⁾
					Outside Funding	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)	74	1,024,801	3.15	62.90	0	0	12,210	12,210	7.8
High Efficiency Clothes Washers (HECW)	155	1,393,991	4.28	64.17	0	0	17,050	17,050	8.0
Rotating Nozzles for Pop-up Spray Heads	20	26,068	0.08	0.40	0	0	80	80	2.0
Weather Based Irrigation Controllers (WBIC)	1	105,902	0.33	3.25	0	0	80	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	17.9
Synthetic Turf (8,348 Sq. Ft.)	13	380,829	1.17	11.69	0	2,504	2,504	5,009	8.6
Subtotal	284	4,239,810	13	183	0	38,382	31,924	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	12.9
Subtotal	339	4,694,698	14	288	24,862	12,089	55,935	92,886	
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)	162	2,243,484	6.89	137.70	0	21,870	26,730	48,600	14.2
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
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
Large Rotary Nozzles	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	162	2,243,484	7	138	0	21,870	26,730	48,600	
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)	51	10,120,606	31.06	310.59	0	0	84,498	84,498	5.5
Central Computer Irrigation Controllers (CCIC)	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
Subtotal	51	10,120,606	31	311	0	0	84,498	84,498	
TOTAL	836	21,298,599	65	919	24,862	72,341	199,087	296,291	

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

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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⁾
					Outside Funding	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) (8,587 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	3,906,054	12	166	0	20,470	33,763	54,232	
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	113,017	54,952	92,460	260,429	
CII 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	0.00	0.00	0	0	0	0	0.0
High Efficiency Clothes Washers	31	278,798	0.86	12.83	0	8,990	4,030	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	415	0	72,710	82,045	154,755	
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	0	0	0	0	
TOTAL	2,487	29,764,742	91	1,749	113,017	148,132	208,268	469,416	

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

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Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				Payback Period (years) ⁽¹⁾
					Outside Funding	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)	5	69,243	0.21	4.25	0	0	1,325	1,325	14.6
High Efficiency Clothes Washers (HECW)	238	6,560,945	20.13	302.02	0	0	26,180	26,180	3.0
Rotating Sprinkler Nozzles	0	0	0.00	0.00	0	0	0	0	0.0
Weather Based Irrigation Controllers (WBIC) - Rebate	2	423,606	1.30	13.00	0	320	160	480	0.9
Weather Based Irrigation Controllers (WBIC) - Distribution	109	23,086,543	70.85	708.50	0	0	26,160	26,160	0.9
Subtotal	410	30,773,531	92	1,067	0	320	53,825	54,145	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Toilet Program (HET/ULFT)	1,008	11,397,486	34.98	699.55	73,927	35,945	60,480	170,352	11.4
Subtotal	1,008	11,397,486	35	700	73,927	35,945	60,480	170,352	
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	2	79,833	0.25	4.90	0	0	800	800	7.6
Conductivity Controller	1	209,848	0.64	3.22	0	0	625	625	2.3
High Efficiency Clothes Washers (HECW)	1	27,567	0.08	1.27	0	70	130	200	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	4	317,249	1	9	0	70	1,555	1,625	
TOTAL	1,422	42,488,266	128	1,776	\$73,927	\$36,335	\$115,860	\$226,122	

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

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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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2005-2006									
Residential Programs									
City Event (ULFT)	1,248	14,111,173	43.31	866.11	0	8,112	74,880	82,992	4.5
IEUA Regional Event (ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
IEUA Rebate Program (ULFT)	153	1,729,976	5.31	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	1,623	17,837,703	55	1,064	0	8,487	108,480	116,967	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	930	10,515,538	32.27	645.42	0	97,650	55,800	153,450	11.1
Subtotal	930	10,515,538	32	645	0	97,650	55,800	153,450	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
TOTAL	2,564	28,452,169	87	1,714	0	\$106,137	\$167,030	\$273,167	

FY 2004-2005									
Residential Programs									
City Event (ULFT)	0	0	0.00	0.00	0	0	0	0	0.0
IEUA Regional Event (ULFT)	11	124,377	0.38	7.63	0	121	660	781	4.8
IEUA Rebate Program (ULFT)	126	1,424,686	4.37	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	3.67	0	742	0	742	2.4
Subtotal	438	4,369,342	13	218	0	1,276	39,790	41,066	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	981	11,092,196	34.04	680.81	0	103,005	58,860	161,865	11.1
Subtotal	981	11,092,196	34	681	0	103,005	58,860	161,865	
CII Save-A-Buck Rebate Program									
ULFT's (Tank)	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	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	
TOTAL	1,422	15,488,519	48	900	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⁾
					Outside Funding	IEUA	MWD	Total	
FY 2003-2004									
Residential Programs									
City Event (ULFT)	100	1,130,703	3.47	69.40	0	200	6,000	6,200	4.8
IEUA Regional Event (ULFT)	44	497,509	1.53	30.54	0	484	2,640	3,124	5.3
IEUA Rebate Program (ULFT)	227	2,566,696	7.88	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	371	0	4,494	49,100	53,594	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	116	1,311,615	4.03	80.50	0	3,944	6,960	10,904	4.2
Subtotal	116	1,311,615	4	81	0	3,944	6,960	10,904	
CII Save-A-Buck Rebate Program									
High Efficiency Clothes Washers	16	143,896	0.44	6.62	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	472	0	\$10,138	\$61,860	\$71,998	

FY 2002-2003									
Residential Programs									
City Event (ULFT)	100	1,130,703	3.47	69.40	0	200	6,000	6,200	4.8
IEUA Regional Event (ULFT)	39	440,974	1.35	27.07	0	429	2,340	2,769	5.5
IEUA Rebate Program (ULFT)	12	135,684	0.42	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	223	0	1,940	35,350	37,290	
IEUA Multi-Family Direct Install Prog. (HET/ULFT)									
Multi-Family Program	83	938,483	2.88	57.60	0	2,822	4,980	7,802	4.1
Subtotal	83	938,483	3	58	0	2,822	4,980	7,802	
CII 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 CII)	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	0.00	1,100.00	8,850.00	9,950.00	
TOTAL	587	6,838,720	21	298	0	5,862	49,180	55,042	

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



West Valley Water District
Regional Water Use Efficiency Programs
Summary Charts

West Valley Water District

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2021-2022									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Irrigation Controller + Add on	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Utility Meter	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Flow Monitor Device on Customer Property	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers for Large Landscapes (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems (0 Stations)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
Additional Water Use Efficiency Programming									
CBWCD Landscape Evaluation Audit Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Customer Agency Implemented Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
FINAL TOTAL	0	0	0	0	\$0	\$0	\$0	\$0	

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

West Valley Water District

IEUA Regional Conservation Programs Annual Report

Program	District Devices/ Rebates	Gallons Saved (year)	AF Saved (year)	AF Saved Lifetime	Funding Sources (dollars)				IEUA Payback Period (years) ⁽¹⁾
					Outside Funding	IEUA	MWD	Total	
FY 2020-2021									
SoCal Water\$mart Residential Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
High Efficiency Clothes Washers (HECW)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 Apps/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Hose Bib Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rain Barrels	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cisterns	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
IEUA Locally Implemented Residential Programs									
Landscape Tune-Up Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Landscape Retrofit Program (0 WBIC/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Res. Education, Survey, and Controller Upgrade Program (0 WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Residential Pressure Regulation Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Leak Detection Pilot Program	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	0	0	0	0	
SoCal Water\$mart Commercial Rebates									
High Efficiency Toilets (HET)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Waterless Urinals	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Cooling Tower Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Weather Based Irrigation Controllers (WBIC)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Rotating Nozzles for Pop-up Spray Heads (0 App/ 0 Nozzles)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Large Rotary Nozzles	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Central Computerized Irrigation Controller	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Laminar Flow Restrictor	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Air-Cooled Ice Machine	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Turf Replacement (0 Apps)	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Soil Moisture Sensor Systems	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Plumbing Flow Control	0	0	0	0	\$0	\$0	\$0	\$0	0.0
Subtotal	0	0	0	0	\$0	\$0	\$0	\$0	
TOTAL	0	0	0	0	\$0	\$0	\$0	\$0	

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



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