

CHAPTER 6.0: DEMAND MANAGEMENT MEASURES

6.1 DEMAND MANAGEMENT MEASURE IMPLEMENTATION

Many of the Demand Management Measures are implemented on a regional level through the Municipal Water District of Orange County (MWDOC). MWDOC develops, obtains funding for, and implements regional BMP programs on behalf of all retail water agencies in Orange County. MWDOC provides the overall coordination for the rebate programs, educational outreach, and additional conservation programs. This provides consistency between local agencies within the region and allows a coordinated conservation public campaign.

The City of La Habra currently implements, or plans to implement, all of the applicable required Demand Management Measures. Table 6.1 – 1: Implementation of Demand Management Measures details the implementation status of each Demand Management Measure.

Table 6.1 – 1: Implementation of Demand Management Measures			
Demand Management Measure	Implemented	Planned for Implementation	Not Implemented
1) Water Survey Programs for Residential Customers		√	
2) Residential Plumbing Retrofit	√		
3) System Water Audits, Leak Detection, and Repair	√		
4) Metering with Commodity Rates		√	
5) Large Landscape Conservation Programs and Incentives	√		
6) High – Efficiency Washing Machine Rebate Programs	√		
7) Public Information Programs		√	
8) School Education Programs	√		

Table 6.1 – 1: Implementation of Demand Management Measures

Demand Management Measure	Implemented	Planned for Implementation	Not Implemented
9) Commercial, Industrial, and Institutional Programs	√		
10) Wholesale Agency Programs			√ (Not Applicable)
11) Conservation Pricing	√		
12) Water Conservation Coordinator	√		
13) Water Waste Prohibition	√		
14) Residential ULFT Replacement Programs	√		

6.1.1 Water Survey Programs for Residential Customers

In the past, MWDOC implemented a formal program which required a qualified surveyor to check water-using devices within single and multi-family homes to evaluate landscape and irrigation programs. This program ceased in the fiscal year ending in June of 2002. MWDOC does not plan to implement any survey programs in the future. As an alternative, the following programs are made available to target landscape and irrigation water consumption reduction.

SmarTimer Rebate Program (as of 2004):

MWDOC makes available to the City of La Habra the SmarTimer Rebate Program. The Program allows customers to receive a rebate when they purchase and install a new, state-of-the-art, weather-based sprinkler timer that saves up to 41 gallons per day per residential installation. It also reduces runoff and pollution by 49 percent. La Habra will consider implementing the SmarTimer program in the future if a Benefit-Cost Analysis demonstrates that the program is cost-effective.

Protector Del Agua Irrigation Management Training:

The City of La Habra (in conjunction with MWDOC) plans to provide education to residential homeowners on a variety of landscape water efficiency practices they can employ in their homes. A series of four classes or one mini class is hosted to encourage community participation covering basic landscape design, landscape plants, landscape sprinkler systems, and landscape watering/fertilizing. A summary of the Orange County community participation in this program is summarized in Table 6.1 – 2: Protector Del Agua Irrigation Management Training Residential Participation Survey below.

Table 6.1 – 2: Protector Del Agua Irrigation Management Training Countywide Residential Participation Survey					
Fiscal Year Ending in June of	2002	2003	2004	2005	Total
Number of Participants	405	945	847	537	2,734

6.1.2 Residential Plumbing Retrofit

According to the 2001 *Orange County Saturation Study* conducted by MWDOC and Metropolitan, water agencies throughout Orange County have achieved the required 75 percent saturation of low-flow showerhead use supported by a 95 percent confidence level. Since 1991, a total of 6,669 low-flow showerheads, paid for by MWDOC, have been installed in the La Habra service area. A summary of these installations and the resulting water savings in AFY is demonstrated in table 6.1 – 3: Residential Plumbing Retrofit by the City of La Habra below. The calculated annual water savings are based on 5.56 GPD per device savings. The calculations incorporate devices installed in previous years, and do not take into account the life cycle of the device. La Habra has achieved the goal of 75 percent saturation of low-flow showerhead use, and has since discontinued promotion of the program. However, upon request, La Habra will accommodate City customers.

Table 6.1 – 3: Residential Plumbing Retrofit by the City of La Habra				
Fiscal Year Ending in June of	Number of Low-Flow Showerheads Installed	Actual La Habra Expenditures (\$)	Actual Water Savings (AFY)	
1991	5,136	\$0	32	
1992	0	\$0	32	
1993	127	\$0	33	
1994	532	\$0	36	
1995	53	\$0	36	
1996	141	\$0	37	
1997	213	\$0	39	
1998	467	\$0	42	
1999	0	\$0	42	
2000	0	\$0	42	
2001	0	\$0	42	
2002	0	\$0	42	
2003	0	\$0	42	
2004	0	\$0	42	
Totals	6,669	0	578	

6.1.3 System Water Audits, Leak Detection, and Repair

Water that exits the distribution system and cannot be accounted for is known as unaccounted-for water. Some of the most common factors that contribute to unaccounted-for water include leaks in pipelines, main breaks, fire hydrant testing and flushing, storage tank drainage and maintenance, inaccurate meters, unauthorized use, and un-metered services. The *Orange County Water Agencies Water Rates, Water System Operations, and Financial Information Survey* is published annually by MWDOC to facilitate a pre-screening survey that estimates the volume and percent of unaccounted-for water for each retail water agency in the county. For La Habra, the quantity of unaccounted-for water was determined by subtracting the total consumption from the total production. The difference between the two totals represents the amount of unaccounted-for water. La Habra has experienced 5 percent unaccounted-for water losses per year averaged over the time period between 1997 and 2004. Typically this value falls within the range of 5 to 10 percent for most water systems; therefore, La Habra maintains relatively low unaccounted-for water losses. Due to La Habra's commitment to repairing detected leaks on a timely basis; it is projected that this value will remain at 5 percent throughout the future. If the value for unaccounted for water losses falls out of range, La Habra will look into implementing a formal water audit leak detection and repair program.

6.1.4 Metering with Commodity Rates

Metering with commodity rates by wholesale and retail agencies has been an industry standard throughout Orange County for many years. It involves setting water rates based upon the external costs of importing water or producing water from local sources, the internal costs of distribution and service, and establishing the sources for financing or funding these costs. La Habra utilizes commodity rates and has meters for all accounts.

6.1.5 Large Landscape Conservation Programs and Incentives

These programs are offered in Orange County to assist retail agencies and their large landscape customers to use water efficiently. The programs offered are as follows:

1. Landscape Performance Certification Program (LPCP)

As of 2003, MWDOC has implemented a program entitled Landscape Performance Certification Program (LPCP), which provides a water based budget for designated meters. This program involves developing water budgets based on agency provided consumption data, site provided area measurement, local weather data, and contact information for the site owner, the responsible landscape company, and a property manager. On a monthly basis the site's water budget is developed by water meter and provided back to the three involved entities (the property owner, the property manager, and the landscape contractor) in an e-mail report card format. Also included is a website where all involved parties can view the site specific budget numbers. These numbers illustrate whether a meter is over, under, or dead on to their budget. Included is a calculation based on individual water rates showing dollars lost. This program does not have a formal landscape survey component or a marketing/targeting strategy for landscape surveys. Financial incentives are offered to improve landscape water use efficiency and regional funding for this program is available from Metropolitan. While no budgets have been developed to date within the La Habra service area, it is anticipated that they will be developed in the future.

2. Protector Del Agua Irrigation Management Training

The City of La Habra plans to provide information to raise awareness to its customers about the Protector Del Agua Irrigation Management Training in quarterly City fliers.

3. SmarTimer Rebate Program

The SmarTimer program was initiated in 2004. Implementation of this program has not been considered cost-effective in the past; however, La Habra will consider implementing the SmarTimer program in the future if a Benefit-Cost Analysis demonstrates that the program is cost-effective.

Table 6.1 – 4: Projected Large Landscape Conservation Programs and Incentives

Year	Number of Budgets to be Developed	Number of Surveys to be Completed	Number of Follow-Up Visits	Projected La Habra Expenditures	Projected Water Savings (AFY)
2005	23	1	276	\$0	20
2006	24	1	290	\$0	21
2007	25	1	304	\$0	22
2008	27	1	320	\$0	23
2009	28	1	335	\$0	24
2010	29	1	352	\$0	25

6.1.6 High–Efficiency Washing Machine Rebate Programs

MWDOC offers a \$100 rebate for each High–Efficiency Clothes Washer (HECW) purchased and properly installed within the jurisdiction of its member agencies. Rebates are available on a first–come, first–served basis, while funds last. Machines must be purchased after January 1, 2002 and installed in Orange County. Participants must also be willing to allow inspection of the installed machine for verification of program compliance. As of 2005, machines must have a water factor of 6.0 or less to qualify for the rebate program. These machines typically use 15 to 25 gallons less water per load, with a potential water savings of up to 7,000 gallons per year. Qualified models are listed on the MWDOC website. These are for single family residential homes. Other energy utilities, such as Edison may have a rebate; this is not tracked by MWDOC or La Habra. Participation in this program by the City of La Habra is summarized in Table 6.1 – 5: High Efficiency Washing Machine Rebate Programs below. Actual water savings amount to 11.5 gallons per day per machine. From this value calculations were performed to obtain annual values. MWDOC provided a \$100 rebate for each HECW purchased and properly installed.

6.1 – 5: High Efficiency Washing Machine Rebate Programs				
Fiscal Year Ending in June of	Dollars Per Rebate (\$)	Number of Rebates Paid	Actual La Habra Expenditures (\$)	Actual Water Savings (AFY)
2002	\$100	8	\$0	0.10
2003	\$100	40	\$0	0.62
2004	\$100	86	\$0	1.73
2005	\$100	81	\$0	2.77
Total For All Fiscal Years		215	\$0	5.22

Projections for participation in the HECW program by the City of La Habra are featured in Table 6.1 – 6: Projected High Efficiency Washing Machine Rebate Programs. The projections were developed based on an average of previous years. In addition, the projected water savings take into account devices installed in previous years to accurately reflect the total water saving per year resulting from the program.

6.1 – 6: Projected High Efficiency Washing Machine Rebate Programs

Fiscal Year Ending in June of	Dollars Per Rebate (\$)	Number of Rebates to be Paid	Projected Expenditures (\$)	Projected Water Savings (AFY)
2007	\$100	45	\$0	3.41
2008	\$100	45	\$0	3.99
2009	\$100	45	\$0	4.57
2010	\$100	45	\$0	5.15

6.1.7 Public Information Programs

MWDOC's water use efficiency public information programs are built around communication, coordination, and partnerships with member agencies and cities, Metropolitan, and other local, state, and federal legislative and regulatory bodies. The District's information programs are carried out on behalf of and in coordination with MWDOC's member agencies, including the City of La Habra. The goal is to help the member agencies and the public understand current issues and the challenges, opportunities, and costs involved in securing a reliable supply of high quality water.

MWDOC assists La Habra to reach the public with accurate information regarding present and future water supplies, the demands for a suitable quantity and quality of water, and the importance of implementing water efficient techniques and behaviors. MWDOC also offers assistance to its member agencies in publicizing the availability of water use efficiency programs and technology throughout Orange County. A description of the public information programs is provided below.

Public Affairs Workgroup

MWDOC's Public Affairs Department conducts monthly meetings with its members' public affairs and customer service representatives to coordinate public outreach efforts and to share information and ideas. Through the Public Affairs Workgroup, MWDOC facilitates and ensures message consistency, especially when promoting water use efficiency programs and workshops. The workgroup also serves as a vehicle through which MWDOC can disseminate to La Habra, and other member agencies, important materials and information sent by Metropolitan on regional marketing and advertising programs, including outdoor irrigation.

Poster/Slogan Contest

Each year, MWDOC in conjunction with its member agencies honor elementary school students as winners in the "Water is Life" Poster and Slogan Contest. As part of MWDOC's school education program, the District solicits entries to the contest throughout the fall and winter. More than 1,000 entries are typically received. As part of participation in this program, winners within the City of La Habra will be recognized in May and June at a city council meeting. A member of the MWDOC Board of Directors will also attend, which will allow both organizations (MWDOC and the City of La Habra) to honor the student. The winning artwork and slogans will

be incorporated into a school year calendar for distribution to every classroom in Orange County the following academic year.

Local and Regional Events

Through its participation in the Association of California Water Agencies and the California Water Awareness Campaign, MWDOC and the City of La Habra will also support and participate in statewide events and activities throughout Water Awareness Month. This includes procuring a proclamation from the State Governor, distributing media kits and distributing water education kits to classrooms, all of which reinforce the need to use water wisely, especially in the semi – arid Southern California region.

Speakers Bureau

MWDOC has provided La Habra with presentations on key issues affecting Orange County's water supply. MWDOC's water use efficiency programs and conservation tips for residents and businesses are integrated into these presentations. At the request of the City of La Habra, MWDOC will perform these presentations in addition to assisting La Habra in being informed and effective spokespersons on these topics. During the presentations, printed handouts explaining rebate programs (i.e. High Efficiency Clothes Washer Rebate Program) and other programs (Residential and Commercial Landscaping Workshops, Landscaper Certification) unique to La Habra's participation can be distributed for promotional purposes.

Information Materials

MWDOC Public Affairs staff regularly produces informational materials, including newsletters, fact sheets, brochures, issue bulletins, manager's reports, annual reports, briefing books, press kits, exhibit booths and displays. These materials are made available to the public and to the City of La Habra. Additional information is available on the MWDOC website, www.mwdoc.com. A consistent and high profile message in each of these information pieces is the critical need to follow water use efficiency practices and their cumulative impact on Orange County.

Water Quality Reports

Each year, the City of La Habra develops a Water Quality Report. This report, required by the California Department of Health Services, is distributed to all residents of the City of La Habra.

The report includes information about the sources of water for each customer and quality of that source water, as well as the quality of the water that consumers receive. The report also provides the City of La Habra with the opportunity to include messages about water use efficiency and conservation to all county residents. The report will be made available via the City of La Habra website, and in the form of a handout at public offices.

Media Relations

MWDOC is a credible source of information to the media for regional and statewide water issues, as well as water issues within Orange County. In addition, MWDOC staff keeps environmental reporters informed of key conservation issues and messages, which are often integrated into general interest articles. MWDOC staff also prepares press releases on local and regional issues, and provides template press releases that can be tailored for local use by the City of La Habra. This message consistency has worked well in Orange County, especially as information on water use efficiency is disseminated. Listed in Table 6.1 – 7: Projected Public Information Program Expenditures, below, are the projected expenditures for public information programs including public service announcements, bill inserts, newsletters, brochures, bills showing water usage in comparison to previous year’s usage, special events, media events, speaker’s bureaus, and programs to coordinate with other government agencies, industry, public interest groups, and media.

6.1 – 7: Projected Public Information Program Expenditures						
Fiscal Year Ending in June of	2005	2006	2007	2008	2009	2010
Projected Expenditures (\$) for Public Information Programs	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500

6.1.8: School Education Programs

One of the most successful and well-recognized water-education curriculums in Southern California is the MWDOC's School Education Program. For more than 30 years, MWDOC teachers, assisted by mascot "Ricki the Rambunctious Raindrop," have been educating students in grades K-12 about the water cycle, the importance and value of water, and the personal responsibility we all have as environmental stewards.

Since its inception in January 1973, the MWDOC School Education Program has evolved into what has become the standard for all water-education curriculums. In 2004, MWDOC formed an exciting partnership with the Discovery Science Center that has allowed both organizations to reach more Orange County students each year and provide them with even greater educational experiences in the areas of water and science. To date nearly 2.5 million Orange County students have benefited from the Program.

Students learned about the water cycle, the importance and value of water, and the personal responsibility each individual has to protect this vital resource. A record of the number of presentations provided along with the number of students that were presented to within the City of La Habra between fiscal years 2000 and 2005 is listed in Table 6.1 – 8: School Education Programs for the City of La Habra below. All expenditures for this program were incurred by MWDOC.

Table 6.1 – 8: School Education Programs for the City of La Habra						
Fiscal Year Ending In June of	Presentations	Students Total	Students K – 3	Students 4 – 6	Students 7 – 8	Students 9 – 12
2001	46	4013	2278	1735	0	0
2002	15	791	483	308	0	0
2003	10	538	224	314	0	0
2004	14	927	730	197	0	0
2005	2	620	620	0	0	0

The number of presentations provided to each grade level was calculated by taking the percentage of students at each grade level and applying that percentage to the total number of presentations. The results of these calculations are demonstrated in Table 6.1 – 9: School Education Presentations for the City of La Habra below.

Table 6.1 – 9: School Education Presentations for the City of La Habra				
Fiscal Year Ending in June of	Presentations K – 3	Presentations 4 – 6	Presentations 7 – 8	Presentations 9 – 12
2001	26	20	0	0
2002	9	6	0	0
2003	4	6	0	0
2004	11	3	0	0
2005	2	0	0	0

Projected values for school education programs to be provided in the future are provided below. The projections were made based on the number of presentations offered between 2001 and 2005 averaged over time.

Table 6.1 – 10: Projected School Education Presentations for the City of La Habra				
Fiscal Year Ending in June of	Presentations K – 3	Presentations 4 – 6	Presentations 7 – 8	Presentations 9 – 12
2006	10	7	0	0
2007	10	7	0	0
2008	10	7	0	0
2009	10	7	0	0
2010	10	7	0	0

6.1.9: Commercial, Industrial, and Institutional Programs

The goal of commercial, industrial, and institutional programs is to identify and rank commercial, industrial, and institutional customers according to use and to establish long-term implementation targets for the replacement of high water using devices with low water using devices. MWDOC has a rebate program for replacing high-flow devices with low-flow devices, including Ultra-Low-Flush-Toilets (ULFTs) but does not conduct surveys for commercial, industrial and institutional accounts. The program began in 2001 and the majority of the rebates paid were for commercial replacements.

Save Water – Save a Buck!

This program began in 2001 and offers rebates to assist commercial, industrial, and institutional customers in replacing high-flow plumbing fixtures with low-flow fixtures. Facilities where low-flow devices are installed must be located in Orange County. Rebates are available only on those devices listed in Table 6.1 – 11: Retrofit Devices and Rebate Amounts below and must replace higher water use devices. Installation of devices is the responsibility of each participant. Participants may purchase and install as many of the water saving devices as is applicable to their site.

Table 6.1 – 11: Retrofit Devices and Rebate Amounts	
Retrofit Device	Rebate Amount
Ultra-Low-Flush Toilet	\$60 to \$120
Ultra-Low-Flush Urinal or Waterless Urinal	\$60
Flush Valve Retrofit Kit	\$15
Coin/Card-Operated High Efficiency Commercial Clothes Washer	\$250
Cooling Tower Conductivity Controller	\$500
Hospital X-ray Film Processor Recirculating System	\$2,000
Water Pressurized Broom	\$100

La Habra's participation in this program is demonstrated in Table 6.1 – 12: Commercial, Industrial, and Institutional Retrofit Devices Replaced. The actual water savings were calculated based on 24.5 gallons per day water savings per device.

Table 6.1 – 12: Commercial, Industrial, and Institutional Retrofit Devices Replaced				
Fiscal Year Ending in June of	Devices Installed	Actual Water Savings (AFY)	ULFT's Installed	Actual Water Savings (AFY)
2002	10	<1	0	0
2003	13	1	0	0
2004	52	2	31	1
2005	20	3	1	1
Totals	95	6	32	2

Projected values for La Habra's participation in this program are available in the table below. Projections for the devices to be installed were calculated based on a historical average between the years of 2002 and 2005. It is projected that four ULFTs will be installed per year as a result of remodeling and new businesses. The calculations for projected annual water savings take into account devices installed in previous years.

Table 6.1 – 13: Projected Commercial, Industrial, and Institutional Retrofit Devices to be Replaced				
Fiscal Year Ending in June of	Devices to be Installed	Projected Water Savings (AFY)	ULFT's to be Installed	Projected Water Savings (AFY)
2006	24	6	4	2
2007	24	7	4	2
2008	24	8	4	2
2009	24	8	4	2
2010	24	9	4	2

6.1.10: Wholesale Agency Programs

The Municipal Water District of Orange County is the wholesale agency for La Habra. This Demand Management Measure is therefore not applicable to La Habra, as they are not classified as a wholesale agency.

6.1.11: Conservation Pricing

The City of La Habra provides water and sewer service. A minimum rate per month is charged based upon the size of the meter. As of 2004, all water used above the amount of 17,000 cubic-feet per month during the period from May 1 to September 30, results in an additional charge of \$0.11 per 100 cubic-feet of water. The sewer fee is 10.008% of the water user's water bill. This tiered pricing is designed to promote water conservation. Since La Habra does not have a method for performing individual meter billings by customer class, this pricing structure applies to all accounts and account types.

Table 6.1 – 14: Conservation Pricing	
All Water Accounts	Definition of Conservation Pricing
Seasonal Inclined Block	Between May 1 and September 30 annually, all water used above 17,000 cubic-feet per month will result in an additional \$0.11 per 100 cubic-feet used.
Effective 2004	

6.1.12: Water Conservation Coordinator

The City of La Habra employs a Water/Sewer Manger that takes an active role in promoting conservation. Before 2005, the Water/Sewer Supervisor was responsible for conservation coordination. Approximately five percent of the time, and thus five percent of these workers' salary and benefits have been devoted to water conservation coordination. Additionally, MWDOC employs a Water Conservation Coordinator to direct conservation for all of its member agencies.

Table 6.1 – 15: Water Conservation Coordinator				
Year	Number of Full-Time Positions	Number of Part-Time Staff	Position Supplied by Other Agency	Actual La Habra Expenditures (\$)
2001	0	1	1	\$5,000
2002	0	1	1	\$5,000
2003	0	1	1	\$5,000
2004	0	1	1	\$5,000

Table 6.1 – 16: Projected Water Conservation Coordinator				
Year	Number of Full-Time Positions	Number of Part-Time Staff	Position Supplied by Other Agency	Projected La Habra Expenditures (\$)
2005	0	1	1	\$6,500
2006	0	1	1	\$6,500
2007	0	1	1	\$6,500
2008	0	1	1	\$6,500
2009	0	1	1	\$6,500
2010	0	1	1	\$6,500

6.1.13: Water Waste Prohibition

The City of La Habra passed Ordinance Number 1384 on May 1, 1990, entitled “Emergency Water Management Program”. This ordinance identifies water waste prohibitions, as well as stages of action to conserve water and penalties for non-compliance. This Ordinance is included in Appendix E.

Table 6.1 – 17: Water Waste Prohibition				
Year	Waste Ordinance in Effect	Number of On-Site Visits	Water Softener Ordinance	Actual Expenditures (\$)
2001	1384	0	N/A	\$0
2002	1384	0	N/A	\$0
2003	1384	0	N/A	\$0
2004	1384	0	N/A	\$0

Table 6.1 – 18: Projected Water Waste Prohibition				
Year	Waste Ordinance in Effect	Number of On-Site Visits	Water Softener Ordinance	Actual Expenditures (\$)
2005	1384	0	N/A	\$0
2006	1384	0	N/A	\$0
2007	1384	0	N/A	\$0
2008	1384	0	N/A	\$0
2009	1384	0	N/A	\$0
2010	1384	0	N/A	\$0

6.1.14: Residential Ultra Low Flush Toilet (ULFT) Replacement Programs

Over the past ten years, La Habra (in conjunction with MWDOC) has implemented ULFT rebate and distribution programs. The rebate program began in 1997 and has provided incentive to its customers to replace high water using devices with ULFTs by providing a rebate between \$50 and \$90 for such replacement. The distribution program ended in 2003. The program involved the distribution of ULFTs out of agency or school parking lots. When the program initially started, participants were required to pay a co-pay ranging between \$30 to \$50. Beginning in 2002, free ULFTs were offered to agencies who resided in both OCWD and OCSD's service area.

MWDOC develops, prints, and provides marketing materials such as water bill inserts, direct mailers, or brochures for La Habra to advertise, promote, and/or distribute to their customers. All funding for both programs was made available by MWDOC; therefore, La Habra did not incur any expenditures for this program.

The tables below detail the rebate and distribution of ULFTs within the La Habra service area. No direct installs or CBO installs were made available. For all replacements made, water savings totals 23.4 gallons per day per device for single-family users and 48.7 gallons per day per device for multi-family users. The annual water savings were calculated incorporating devices installed in previous years.

**Table 6.1 – 19: Single-Family Residential
Ultra-Low-Flush Toilet Replacement Program**

Fiscal Year Ending in June of	Number of ULFT Rebates	Number of ULFT Distributions	Total Replacements	Actual Water Savings (AFY)
1994	0	534	534	14
1995	0	47	47	15
1996	0	83	83	17
1997	0	247	247	24
1998	26	432	458	36
1999	6	50	56	37
2000	28	68	96	40
2001	14	487	501	53
2002	18	527	545	67
2003	23	1327	1350	103
2004	7	822	829	124
2005	8	0	8	125
Totals	130	4624	4754	649

**Table 6.1 – 20: Multi-Family Residential
Ultra-Low-Flush Toilet Replacement Program**

Fiscal Year Ending in June of	Number of ULFT Rebates	Number of ULFT Distributions	Total Replacements	Actual Water Savings (AFY)
1994	0	3	3	0
1995	0	10	10	1
1996	0	63	63	4
1997	0	7	7	5
1998	12	305	317	22
1999	173	474	647	57
2000	9		9	58
2001	7	74	81	62
2002	7	93	100	67
2003	14	333	347	86
2004		396	396	108
2005	4	0	4	108
Totals	226	1,758	1,984	578

The projections provided in the tables below were calculated based on the average historical rebates. The projections do not incorporate distributions because the distribution program has terminated as of 2003. Projected water savings were calculated based on the methodology used above, and incorporate devices installed in previous years.

Table 6.1 – 21: Single-Family Projected Residential Ultra-Low-Flush Toilet Replacement Program				
Year	Number of ULFT Rebates	Number of ULFT Distributions	Total Replacements	Projected Water Savings (AFY)
2006	16	0	16	125
2007	16	0	16	125
2008	16	0	16	126
2009	16	0	16	126
2010	16	0	16	127

Table 6.1 – 22: Multi-Family Projected Residential Ultra-Low-Flush Toilet Replacement Program				
Year	Number of ULFT Rebates	Number of ULFT Distributions	Total Replacements	Projected Water Savings (AFY)
2006	28	0	28	110
2007	28	0	28	111
2008	28	0	28	113
2009	28	0	28	114
2010	28	0	28	116