

APPENDIX D – DEMAND MANAGEMENT MEASURE ANALYSIS AND DESCRIPTION

Water Code Section 10631 requires that an UWMP include a description of the urban water supplier's water demand management measures. Demand management is an integral part of the City of Folsom's long term water management strategy. Potential demand management programs are evaluated at the same level of detail as other supply options. In some instances, it may be more cost-effective to implement demand management programs than it would be to secure additional supplies and production/treatment facilities to meet existing and growing demands.

This appendix summarizes the City of Folsom's following demand management measures:

- ◆ DMM (a) - Water survey programs for single-family and multi-family residential customers
- ◆ DMM (b) - Residential plumbing retrofit
- ◆ DMM (c) - System water audits, leak detection and repair
- ◆ DMM (d) - Commodity rate metering for new connections and retrofit of existing connections
- ◆ DMM (e) - Large landscape conservation programs and incentives
- ◆ DMM (f) - High-efficiency washing machine rebate programs
- ◆ DMM (g) - Public information programs
- ◆ DMM (h) - School education programs
- ◆ DMM (i) - Conservation programs for commercial, industrial, and institutional accounts
- ◆ DMM (j) - Wholesale agency programs
- ◆ DMM (k) - Conservation pricing
- ◆ DMM (l) - Water conservation coordinator
- ◆ DMM (m) - Water waste prohibition
- ◆ DMM (n) - Residential ultra-low-flush toilet replacement

DMM A – Water survey programs for single-family residential and multi-family residential customers

The City of Folsom began implementing this program on August 1, 2000 and, because it is successful, anticipates continuing the program indefinitely. These programs generally involve sending a qualified water auditor to customer locations to audit water use, including a survey of both indoor and outdoor components. The indoor component checks for leaks in toilets, faucets, and meters, and checks showerhead, toilet, and aerator flow rates, offering replacements for high-flow devices. The outdoor survey includes checks of the irrigation system and control timers, and a review of, or development of, a customer's landscape irrigation schedule.

The City of Folsom's water survey program currently includes the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Follow up from water waste complaints
 - Cold calls to resident managers (multifamily only)

- Survey details:
 - Discuss interior fixture conservation measures
 - Explain ULFT replacement and rebate program
 - Check irrigation timer
 - Run all zones of the sprinkler system
 - Note damage to the irrigation system and discuss necessary repairs
 - Note inefficient irrigation elements and discuss improvements
 - Review timer programming with homeowner/manager
 - Develop irrigation schedule
 - Deliver conservation packet

- Conservation packet includes:
 - Literature
 - “Sometimes less is more...water wisely!” (RWA)
 - “Water Management Program” (City of Folsom)
 - “ULFT rebate program” (RWA and SRCSD)
 - “There's a better way to water!” (City of Folsom)
 - “Smart Water and Energy Use in the West” (Sunset Magazine)
 - “How to Water Your Garden” (Sunset Magazine)
 - “Water Efficient Landscapes” (DWR, Office of Water Use Efficiency)
 - “Water Efficient Landscaping” (UC Extension, Master Gardeners)
 - “Landscape Design II” (Water Education Foundation)

- Devices
 - Toilet tank tummy.
 - Toilet tank leak dye
 - Low flow shower head
 - Low flow kitchen sink aerator
 - Low flow bathroom sink aerator
 - Garden hose nozzle

Table DMM A – 1 and **Table DMM A - 2** provide a record of recent program successes, as well as a projection of the City’s anticipated program goals.

Table DMM A - 1					
Actual					
	2001	2002	2003	2004	2005 (proj)
Single family surveys	114	48	145	171	188
Multi family surveys	0	0	0	1	3
Actual expenditures - \$*	\$3,357	\$1,428	\$4,270	\$5,065	\$5,536
Actual water savings-AF/Y* *	33.4	14.1	42.5	50.2	55.1

Table DMM A - 2					
Planned					
	2006	2007	2008	2009	2010
Single family surveys	207	228	251	276	304
Multi family surveys	5	6	7	8	9
Projected expenditures - \$*	\$6,243	\$6,891	\$7,598	\$8,363	\$9,217
Projected water savings-AF/Y**	60.7	66.9	73.6	81	89.2

*Cost for **one** residential survey includes one hour drive time and preparation:

Water Management Specialist	\$18.07
½ Ton Pickup	<u>\$11.38</u>
Hourly total	\$29.45 per hour

**Water savings estimates are based upon a limited sample of 4 homes. Average water savings is 262 gallons per day per residence after a survey.

DMM B – Residential Plumbing Retrofits

The City of Folsom began implementing this program on August 1, 2000, and because it is successful, anticipates continuing the program indefinitely. These programs generally involve sending a qualified water auditor to customer locations to audit water use, including a survey of both indoor and outdoor components. The indoor component checks for leaks in toilets, faucets, and meters and checks showerhead, toilet, and aerator flow rates and offering replacements of high-flow devices. A water conservation packet with retrofit devices is delivered to the customer at the time of the survey.

The City of Folsom’s residential plumbing retrofit program currently includes the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Follow up from water waste complaints
 - Cold calls to resident managers (multifamily only)
 - Conservation packet includes:
 - Literature Cost for the literature packet \$10.00
 - “Sometimes less is more...water wisely!” (RWA)
 - “Water Management Program” (City of Folsom)
 - “ULFT rebate program” (RWA and SRCSD)
 - “There’s a better way to water!” (City of Folsom)
 - “Smart Water and Energy Use in the West” (Sunset Magazine)
 - “How to Water Your Garden” (Sunset Magazine)
 - “Water Efficient Landscapes” (DWR, Office of Water Use Efficiency)
 - “Water Efficient Landscaping” (UC Extension, Master Gardeners)
 - “Landscape Design II” (Water Education Foundation)
 - Water Wise Gardening Interactive CD 3.50
 - Devices
 - Toilet tank tummy. 1.75
 - Toilet tank leak dye 0.59
 - Low flow shower head 15.99
 - Low flow kitchen sink aerator 7.50
 - Low flow bathroom sink aerator 1.50
 - Garden hose nozzle 5.50
- Cost per packet \$46.33**

Table DMM B – 1 and **Table DMM B - 2** provide a record of plumbing retrofit activities, as well as a projection of anticipated retrofit activities.

Table DMM B - 1					
Historic Plumbing Retrofit Activities					
	1992-2001	2002	2003	2004	2005
Single family devices	0	30	50	171	188
Multi-family devices	0	0	0	1	3
Actual expenditures - \$	0	\$1,390	\$2,317	\$7,969	\$8,849
Table DMM B - 2					
Planned Plumbing Retrofit Activities					
	2006	2007	2008	2009	2010
Single family devices	207	228	251	276	304
Multi-family devices	5	6	7	8	9
Projected expenditures - \$	\$9,822	\$10,841	\$11,953	\$13,158	\$14,501

DMM C – System Water Audits, Leak Detection and Repair

The City plans to fully implement this DMM when meter coverage is sufficient to allow for meaningful results from meter data. As discussed in DMM D, full metering is likely to occur later than the planning horizon of this document.

The City is replacing mains and services for which their useful life has ended. The City is also working to detect leaks by isolating and analyzing older sections of its distribution system.

DMM D – Metering With Commodity Rates

The City of Folsom is in the process of converting from a partially to fully-metered system. The City of Folsom requires meters to be installed for all new connections, and bills on a volumetric basis for commercial, industrial, institutional, and multi-family customers. Volumetric billing is offered to all residential customers that want to convert from a flat rate charge. The City has started a meter retrofit program so that the City's remaining flat-rate residential customers are billed volumetrically by 2013.

The City has divided its geographic boundary into four distinct areas for purposes of water service. Each of these areas has a unique metering situation, based primarily upon the age of the development and the water service provider.

American River Canyon – As noted in Chapter 2 of the UWMP, customers in the American River Canyon area are served water by the San Juan Water District (SJWD). SJWD is responsible for metering and commodity pricing within this area of the City.

Ashland – The City of Folsom is the water retailer for accounts in the Ashland area, using water purchased and delivered by SJWD. Residential accounts will be metered by 2006 as required by Reclamation for use of SJWD water supplies. The City will evaluate metered use for one year, and then consider volumetric pricing for this service area beginning in 2007.

Folsom Service Area – West - This area is fully served by the City. Folsom Service Area – West contains the relatively oldest developments. In this area, the City's retrofitting program will focus on installation of meters where they don't exist and repair or upgrades of previously installed meters that have never been utilized for volumetric pricing.

Folsom Service Area – East – This area was constructed after 1992; therefore metering efforts will concentrate on retrofitting older meters, as needed.

As retrofitting progresses in these two areas, the City may consider volumetric pricing for the metered accounts some time after 2010 but before 2013. Once all accounts are metered, the City will consider conservation pricing.

Table DMM – D.1 provides an overview of scheduled metering implementation and associated costs/benefits for the Ashland service area

Table DMM D – 1					
Metering Implementation in the Ashland Service Area					
	2001	2002	2003	2004	2005
Total Accounts	1,599	1,599	1,599	1,599	1,599
Unmetered Accounts	994	994	994	994	994
Retrofit Meters Installed	<i>Information not available</i>				
Accounts without Commodity Rates	994	994	994	994	994
	2006	2007	2008	2009	2010
Total Accounts	1,599	1,599	1,599	1,599	1,599
Unmetered Accounts	0	0	0	0	0
Retrofit Meters Installed	0	0	0	0	0
Accounts without Commodity Rates	994	0	0	0	0

Table DMM D - 2 provides an overview of scheduled metering implementation and associated costs/benefits for the Folsom Service Area – West and East.

Table DMM D – 2					
Metering Implementation in the Folsom Service Area – West and East					
	2001	2002	2003	2004	2005
Total Accounts	19,753	19,753	19,753	19,753	19,753
Unmetered Accounts	17,946	17,946	17,946	17,946	17,946
Retrofit Meters Installed	<i>Information not available</i>				
Accounts without Commodity Rates	17,946	17,946	17,946	17,946	17,946
	2006	2007	2008	2009	2010
Total Accounts	19,753	19,753	19,753	19,753	19,753
Unmetered Accounts	17,946	17,946	17,946	17,946	17,946
Retrofit Meters Installed	3,500	3,500	3,500	3,500	3,500
Accounts without Commodity Rates	17,946	17,946	17,946	17,946	17,946

DMM E – Large landscape conservation programs and incentives

The City of Folsom began implementing this program in 1998 and because it is successful, anticipates continuing the program indefinitely. These programs generally involve sending a qualified water auditor to large landscape customer locations to audit water use and inspect irrigation components. Incentives are offered through a DWR Proposition 13 grant program administered by the Regional Water Authority (RWA)²⁵.

The City of Folsom's large landscape conservation program currently includes the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Communication with other city departments responsible for large landscape sites; Parks and Recreation, Lighting and Landscape Districts, and Public Works
 - Communication with homeowner associations and property management companies
- Water audits include
 - Irrigation system inspection.
 - Can test to determine distribution uniformity.
 - Measure landscaped area
 - Establishing a water budget according to IA guidelines
 - Review or develop an irrigation schedule
 - Document damage and necessary repairs
 - Present upgrade opportunities for water efficiency
 - Determine eligibility for grants and incentives
- DWR Proposition 13 grant
 - \$5000 maximum per site
 - Covers equipment costs
 - Requires a water audit and budget
 - Available to public and private customers

²⁵ The Regional Water Authority (RWA) is a joint powers authority formed in 2001 to promote collaboration on water management and water supply reliability programs in the greater Sacramento, Placer, and El Dorado County region.

Table DMM E – 1 highlights the City’s dedicated landscape irrigation accounts, the dedicated irrigation meter accounts, and the dedicated accounts with water budgets.

Table DMM E – 1			
	2004	2005	2006
Dedicated Irrigation Meter Accounts	32	37	42
Accounts with Water Budgets	1	1	1

DMM F _ High-efficiency washing machine rebate programs

The City of Folsom will begin implementing this program in 2006, and, because of the success of other water districts and energy companies, anticipates continuing the program indefinitely. The City of Folsom is currently participating in a joint effort with the RWA, SMUD and PG&E to find the most efficient way to administrate the rebates on a regional level. The City is also monitoring local program administered by the El Dorado Irrigation District (EID) and San Juan Water District. The program is envisioned to be a cooperative effort between the membership of RWA and energy providers.

The City of Folsom's high-efficiency washing machine rebate programs will include the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Follow up from water waste complaints
 - Cold calls to resident managers (multifamily only)
 - Cold calls to Laundromats.
 - Cold calls to hotel managers.

- Proposed rebate structure:
 - In accordance with the Consortium for Energy Efficiency tier rating
 - Tier 1 - \$75.00
 - Tier 2 - \$100.00
 - Tier 3 - \$125.00

DMM G _ Public Information Programs

The City of Folsom maintains an active public information campaign to promote and educate customers regarding water conservation and efficient irrigation, including:

- Provision of speakers to employee, community and media groups to promote conservation
- Paid Advertising
- Bill inserts/newsletters/brochures
- Highlighting water usage on water bills
- Coordination with other government agencies, industry groups, public interest groups, and media to promote conservation efforts



Between 1/1/05-9/21/05, the City of Folsom staff made eight presentations and manned informational booths at seventeen special events. **Table DMM G – 1** highlights specific 2005 outreach activities.

Table DMM G – 1

WATER MANAGEMENT PROGRAM PUBLIC OUTREACH ACTIVITIES 2005					YTD TOTAL = 3000	
DATE	EVENT	STAFF	TYPE	GROUP	SUBJECT	ATTENDANCE
1/12/2005	Landscape Expo	Don	Informational booth	CLCA	Water Conservation	350
2/5/2005	Ecolandscape Conference	Don,Tim	Informational booth	ELWG	Water Conservation	300
2/10/2005	Folsom Biz-Expo	Don,Tim	Informational booth	Folsom Chamber of Commerce	Water Conservation	275
3/30/2005	Folsom Citizens Academy	Don	Presentation	Folsom PD	Water Conservation	35
4/9/2005	FOHC Workshop	Don	Presentation	Sac. Master Gardeners	Efficient Irrigation	30
4/23/2005	Folsom Trails Day	Don	Informational booth	Folsom Parks and Rec.	Water Conservation	75
5/20/2005	Bike to work rally	Don	Informational booth	Folsom Parks and Rec.	Water Conservation	200
5/21/2005	FOHC Workshop	Don	Presentation	Sac. Master Gardeners	Efficient Irrigation	30
6/5/2005	Get W.E.T	Don	Informational booth	USBR ARWEC	Water Conservation	250
6/9/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
6/16/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
6/23/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
6/30/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
7/7/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
7/14/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
7/21/2005	Thursday Night Market	Matt	Informational booth	City of Folsom	Water Conservation	100
7/22/2005	Sac. Home Garden Show	Don	Presentation	RWA	Efficient Irrigation	30
7/28/2005	Thursday Night Market	Don	Informational booth	City of Folsom	Water Conservation	100
8/4/2005	Thursday Night Market	Don, Matt	Informational booth	City of Folsom	Water Conservation	100
8/6/2005	FOHC Harvest Days	Don, Matt	Informational booth	Sac. Master Gardeners	Water Conservation	250
8/6/2005	FOHC Harvest Days	Don	Presentation	Sac. Master Gardeners	Efficient Irrigation	70
8/11/2005	Thursday Night Market	Don	Informational booth	City of Folsom	Water Conservation	100
9/9/2005	Landscape class	Don	Presentation	San Juan Adult Ed.	Efficient Irrigation	30
9/13/2005	Master Gardener Meeting	Don	Presentation	Sac. Master Gardeners	Efficient Irrigation	50
9/21/2005	Folsom Citizens Academy	Don	Presentation	Folsom PD	Water Conservation	25

DMM H _ School Education Programs

Sacramento Water Works Association

The Sacramento Area Water Works Association (SAWWA) has a strong public information element with measures designed for school students. The City of Folsom provides extensive curriculum materials to its local schools to be incorporated into their classroom activities where appropriate. These materials include videos, workbooks and visual aids to supplement the Sacramento Water Works Association's school program.

In 2005, the City of Folsom facilitated development of water conservation videos for high-school students, adults and children respectively by holding a production contest. The videos were judged by a panel consisting of the Mayor, Utilities Director, Sacramento Bee, and the Sacramento River Watershed Program. The winning videos are used in the City's overall program.\

Time and equipment spent on this task was approximately \$10,000, including \$4,000 in equipment.

Regional Water Authority

The City of Folsom works in conjunction with the Regional Water Authority (RWA) to communicate with grammar and high school students throughout the greater Sacramento area regarding water conservation and efficiency management strategies.

The RWA Water Efficiency Program (WEP) provides products and services to water interests so that they may meet the implementation requirements of the Water Forum Agreement Best Management Practices for Urban Water Conservation.

The City of Folsom is a Category 1 WEP participant, which provides region-wide water efficiency activities such as school education, public outreach and other BMPs utilizing widespread marketing to the benefit of many water suppliers. Focused Category 1 services for 2004 included:

Newspapers in Education/Be Water Wise

Each year, the Regional Water Authority WEP collaborates with *The Sacramento Bee* to sponsor the Newspapers in Education "Be Water Wise" program. The program is designed to teach children about the importance of water efficiency and is targeted at K-8 classrooms throughout the Sacramento region. Educational materials include:

- ◆ Newspaper-style supplement called "Water" for every student
- ◆ "Be Water Wise" teacher's guide with a regional focus and lessons based on California state teaching standards

- ◆ Subscription to *The Bee*, including a class set of newspapers delivered to their classrooms on four consecutive Tuesdays beginning April 29
- ◆ California waterways map provided by the California Department of Water Resources
- ◆ Mr. Leaky water conservation booklet

“Be Water Wise” is promoted through joint outreach by *The Sacramento Bee* and the WEP. Outreach efforts include advertisements in *The Bee*, direct mail and special outreach by Water Efficiency Program member agencies.

Final enrollment for the **2004 “Be Water Wise”** program was 260 classrooms and approximately 6,500 students. This is an increase over last year of 43 classrooms and more than 1,000 students. The Sacramento Bee distributed 23,870 copies of the student supplement on April 26, 2004. Typically, this supplement is only delivered to those students participating in the “Be Water Wise” program. In 2004, *the Bee* delivered the supplement to every student participating in Newspapers in Education, so the conversation message was communicated to 17,370 more students than participated in the “Be Water Wise” program.

In 2002, 259 teachers and 6,700 students participated in the “Be Water Wise” program. Compared with 2001 figures, this is more than 100 additional classrooms. Teachers who participate in the program receive educational materials for their students, including:

Great Water Mystery

The Sacramento Stormwater Management Program (SSMP) and Regional Water Authority (RWA) hired the South Yuba River Citizens League (SYRCL) to provide the “Great Water Mystery” educational assembly for 15,000 third through sixth grade students in Sacramento and Placer Counties. The presentation is focused on water scarcity, conservation, and pollution. **Table DMM G – 1** describes the presentations made in the City of Folsom:

Table DMM G – 1			
“Great Water Mystery” Presentations			
Date	School	Grade	Students
9/27/04	Blanche Spretz Elem.	3-5	190
9/27/04	St. John’s Notre Dame	3-5	90
9/29/04	Empire Oaks Elem.	3	100
9/29/04	Oak Chan Elem.	3	100

DMM I – Conservation programs for commercial, industrial, and institutional accounts

The City of Folsom began implementing this program in 2005, and, because of the success of other water districts and energy companies, anticipates continuing the program indefinitely. The City of Folsom is performing water surveys through a cooperative program with the RWA and CUWCC. This program involves a site visit by a contractor who performs a water survey and replaces the pre-rinse hand valves in kitchen facilities with a low-flow model. The City is also coordinating with RWA to implement a rebate program for tank toilets, and is evaluating the opportunity to extend to flush valve systems.

The City of Folsom’s CII program includes the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Follow up from water waste complaints
 - Cold calls by the contractor

- CII water surveys include:
 - Site visit by the contractor
 - Evaluation of water use
 - Recommendations to improve water efficiency
 - Explanation of rebate programs
 - Replace pre-rinse hand valve with a low flow model

Table DMM I – 1 provides a record of recent program successes, as well as a projection of the City anticipated program goals.

Table DMM I - 1 CII Conservation Program					
	2001	2002	2003	2004	2005
Surveys completed	n/a	n/a	n/a	n/a	47
Incentives provided?					Yes
Follow-up visits					0
Actual expenditures - \$					\$3,420
	2006	2007	2008	2009	2010
Surveys projected	36	40	44	48	53
Projected expenditures - \$	\$3,744	\$4,160	\$4,576	\$4,992	\$5,512

DMM J _ Wholesale Agency Programs

The City of Folsom is solely a retail water supplier, and therefore Demand Management Measure J does not apply.

DMM K _ Conservation Pricing

Water Rate Structure

The City of Folsom is planning to convert from a partially to fully-metered system.

All industrial and commercial connections are currently metered with water use charges following an inclining block rate.

Most residential connections are not currently metered. Once fully metered, the City will consider volumetric rates and conservation pricing. For further information regarding this planning process, please refer to Demand Management Measure D, “Metering with Commodity Rates.”

Sewer Rates Structure

The City of Folsom does not structure sewer rates to promote conservation.

DMM L – Water Conservation Coordinator

The City of Folsom created the Water Management Coordinator position in December of 2000 to oversee water conservation activities. The position is a permanent full time position. The coordinator is required to possess a Water Conservation Practitioner certification from the AWWA and be an Irrigation Association Certified Landscape Irrigation Auditor. The coordinator’s background includes experience in landscape, horticulture, irrigation, plumbing, public speaking, and administrative or business management.



- The City of Folsom’s Water Management Coordinator is Don Smith.
- Hired, Oct 2003 as a Water Management Specialist.
- Replaced Tim Crowley as Coordinator, Sep 2005
- Experience
 - Landscape contractor
 - Irrigation technician
 - Plumbing
 - Public speaking
 - Water Conservation Practitioner
 - Certified Landscape Irrigation Auditor
 - Owned and operated a landscape service

Tables DMM L – 1 provides history of the City’s staffing levels. **Table DMM L – 2** provides a projection of the City’s anticipated staffing levels.

Table DMM L – 1					
Water Conservation Staffing Level					
	2001	2002	2003	2004	2005
Full-time positions	2	2	2	2	2
Full/part-time staff	2	2	1	2	2
Table DMM L - 2					
Water Conservation Staffing Level					
	2006	2007	2008	2009	2010
Full-time positions	2	2	2	2	2
Full/part-time staff	2	2	2	2	2

DMM M – Water Waste Prohibition

The City has passed an ordinance stating that water will be used in a beneficial manner as shown in chapter 13.26 of its municipal code. Water use must be confined to a customer’s property with no run off allowed. The ordinance states that automatic shut-off devices on garden hoses shall be used and free flowing water from hoses or other watering devices is prohibited. Pools, spas, fountains, and ponds shall be leak-free and equipped with re-circulating pumps. The use of water to clean streets, parking lots, driveways, sidewalks, patios, tennis courts, or buildings is only allowed for health reasons.

The City employs seasonal staff to patrol the service area to assist in the enforcement of the water waste prohibition measures. **Tables DMM M – 1 and DMM M – 2** provide an estimate of past, current and future costs related to these activities.

The figures for 2001, 2002, and 2003 are estimates. The numbers for 2006 – 2010 are an average of 2004 and 2005 when the program had two full time staff members. The figures are based on ½ hour per call, \$18.07 for the water management specialist and \$11.38 for a ½ ton pick up. Total cost per call is \$14.73.

Table DMM M - 1					
Water Use Compliance Activities/Expenditures					
Actual	2001	2002	2003	2004	2005
Waste ordinance in effect	yes	yes	yes	yes	Yes
On-site visits	250	260	300	392	258
Water softener ordinance	no	no	no	no	No
Actual expenditures - \$	\$3,682	\$3,829	\$4,419	\$5,774	\$3,800
Table DMM M – 2					
Water Use Compliance Activities/Expenditures					
Planned	2006	2007	2008	2009	2010
Waste ordinance in effect	yes	yes	yes	yes	yes
On-site visits	325	325	325	325	325
Water softener ordinance	no	no	no	no	no
Projected expenditures - \$	\$4,787	\$4,787	\$4,787	\$4,787	\$4,787

DMM N – Residential Ultra-Low-Flush Toilet Replacement Programs

The City of Folsom began implementing this program in 2003 and, because it is successful, anticipates continuing the program indefinitely. This program generally involves sending a qualified water conservation staff person to customer locations to insure that the toilet being replaced is a pre-1994 high water use model. The customer is responsible to purchase and install their own toilets. After the toilet is installed the customer completes an application and sends it in with the original receipts or invoices for processing. The rebate amount is a maximum of \$125.00 per toilet. The program is a cooperative effort with the City of Folsom, the Sacramento Regional County Sanitation District (SRCSD), and the RWA. SRCSD contributes \$50.00 of the \$125.00 rebate per toilet. The City anticipates reaching a saturation rate at some point in the future, at which time it will be inefficient to continue the program.

The City of Folsom’s ULFT replacement program currently includes the following:

- Marketing of the program through:
 - City website
 - City newsletter
 - Contact at public events
 - Follow up from water waste complaints
 - Cold calls to resident managers (multifamily only)

Tables DMM N – 1 and DMM N – 2 provide a record of recent installations as well as a projection of anticipated installations, including associated expenditures.

Table DMM N – 1					
Historic and Planned Ultra Low Flush Toilet Replacements					
	Single-Family				
	2001	2002	2003	2004	2005
ULF rebates	0	0	1	110	212
Actual expenditures - \$			\$125.00	\$13674.51	\$26500
Actual water savings - AFY			0.03	3.4	6.36
Table N2	Single-Family				
	2006	2007	2008	2009	2010
ULF rebates	250	225	200	175	150
Projected expenditures - \$	\$31250	\$28125	\$25000	\$21875	\$18750
Projected water savings - AFY	7.5	6.8	6	5.3	4.5