

## CHAPTER 4. Demand Management & Water Conservation

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### 4.1 Background

Demand management is an integral part of TVMWD's long term water resource management strategy. As part of TVMWD's UWMP process, potential demand management programs were evaluated at the same level of detail as other supply-side 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.

The following is a summary of TVMWD's demand management strategy developed as part of the District's IRP process, followed by a summary of the implementation status of the District's demand management program. TVMWD has a multi-faceted demand management program that includes a variety of activities that reach out to residential, business, industrial and landscape customers. The following pages describe each of the key activities and their implementation status. A summary of the BMP requirements, and TVMWD's progress in meeting our commitments to the MOU, is also provided in Table 4-2. In general, the District is on track in meeting both our demand management recommendations and BMP implementation commitments.

The relevant code section, 10631 states:

- (f) *Provide a description of the supplier's water demand management measures. This description shall include all of the following:*
  - (1) *A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:*
    - (A) *Water survey programs for single-family residential and multifamily residential customers.*
    - (B) *Residential plumbing retrofit.*
    - (C) *System water audits, leak detection, and repair.*
    - (D) *Metering with commodity rates for all new connections and retrofit of existing connections.*
    - (E) *Large landscape conservation programs and incentives.*
    - (F) *High-efficiency washing machine rebate programs.*
    - (G) *Public information programs.*
    - (H) *School education programs.*
    - (I) *Conservation programs for commercial, industrial, and institutional accounts.*
    - (J) *Wholesale agency programs.*
    - (K) *Conservation pricing.*
    - (L) *Water conservation coordinator.*
    - (M) *Water waste prohibition.*
    - (N) *Residential ultra-low-flush toilet replacement programs.*

- (2) *A schedule of implementation for all water demand management measures proposed or described in the plan.*
  - (3) *A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.*
  - (4) *An estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.*
- (g) *An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:*
- (1) *Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.*
  - (2) *Include a cost-benefit analysis, identifying total benefits and total costs.*
  - (3) *Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.*
  - (4) *Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.*

In addition to implementing demand management measures, TVMWD is a signatory to the *Memorandum of Understanding (MOU) on Urban Water Conservation*, and as such, is committed to implementing those water conservation Best Management Practices (BMPs) which are cost effective for the District.

- (j) *Urban water suppliers that are members of the California Urban Water Conservation Council and submit annual reports to that council in accordance with the ‘Memorandum of Understanding Regarding Urban Water Conservation in California,’ dated September 1991, may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g).*

## **4.2 TVMWD's Commitment to Conservation**

Throughout the years, TVMWD has demonstrated a strong commitment to conservation and water resource management. The District encompasses a region with a unique climate, drought pattern, and limited water supply, coupled with a continuing population growth rate. TVMWD recognizes the need for efficient water use, not simply in times of drought, but as an integral part of everyday life. As Chapter 2 explains, population in the immediate service area of Three Valleys is not expected to grow at the rate experienced in some parts of southern California. Through consistent conservation the risk of potential water shortages is reduced, thereby ensuring a greater degree of future

availability for the TVMWD. Conservation reduces the amount of water per capita if the measures established make sense, are easy for people to implement and do not require significant input on the side of the consumer. Therefore, TVMWD believes that conservation measures implemented must lead to long-term education and behavioral changes wherever appropriate.

As a wholesale water agency, a major emphasis of the TVMWD commitment to conservation is to promote and facilitate water conservation projects by the retail agencies within the TVMWD service area. These undertakings focus on commercial and industrial equipment and processes, residential plumbing retrofits, landscape irrigation, and education. One of TVMWD's most important long-term conservation measures is educating the public on the source of water to the southern California area and the need for water conservation for the region to enhance long-term reliability and growth.

TVMWD first initiated a water conservation program during the 1976-1977 drought. TVMWD's primary focus was public education and awareness as a necessary means to combat inefficient consumption of water. However in recent years, while maintaining its emphasis on education and public information, Three Valleys has also expanded its conservation activities in the areas of conservation research and increased coordination of funding for retail-agency sponsored projects. Our water supply reliability is dependent on both the further enhancement of local and supplemental imported water sources. In addition, our member agencies (retail) local water agencies have developed a blueprint for water supply reliability through the development of diversified resources and economic soundness. In order to achieve and maintain a high level of water use efficiency within its service area, TVMWD's primary conservation objectives are as follows:

- *Assist member agencies with funding and implementing conservation projects*
- *Fund conservation research and disseminate conservation information*
- *Coordinate conservation activities on behalf of retail agencies served by TVMWD*
- *Develop and implement pilot conservation projects which will complement other programs being conducted in Southern California*
- *Work with Metropolitan Water District of Southern California to coordinate and improve their outreach efforts in the area of conservation*
- *Administer and coordinate any conservation programs which are more effective at the regional or wholesale level versus the individual member agencies' level.*
- *Seek outside funding sources which will complement and expand conservation programs, education and outreach.*

Table 4-1: TVMWD Conservation Objectives

Outreach Goals	Outreach Activities <i>(some items are listed in multiple categories)</i>
<p><b>Customer Education Goal</b> To educate the customers, taxpayers and decision makers about the future of conserving water and protecting our water resources and guiding their actions for years to come.</p>	<ul style="list-style-type: none"> <li>• Three Valleys Facility Tours</li> <li>• MWD-sponsored tours</li> <li>• Conservation-themed ads in local newspapers</li> <li>• Water resource related articles in local newspapers</li> <li>• Information provided via the District’s Website</li> <li>• ULFT (toilet) distribution events</li> <li>• High-efficiency clothes washer rebates</li> <li>• Protector del agua courses</li> <li>• Leadership Breakfasts</li> <li>• Annual Budget and Water Quality Reports</li> </ul>
<p><b>Local Education (in-school) Goal</b> To reach a large number of students on an in-depth and effective level utilizing the skills and enthusiasm of local teachers.</p>	<ul style="list-style-type: none"> <li>• Solar Cup</li> <li>• Three Valleys Facility Tours</li> <li>• <u>WEWAC Events</u>: Video Contest, LA County Fair Participation, ‘Edu-Grant’ Program, and Project WET Workshop</li> <li>• MWD Poster Contest</li> <li>• Teacher Education</li> </ul>
<p><b>Local Business Education Goal</b> To work with local businesses/industry to promote water conservation.</p>	<ul style="list-style-type: none"> <li>• Facility Tours</li> <li>• Continue to offer and promote the Commercial and Industrial rebates (CII Program) for businesses and institutions.</li> <li>• Website information via the internet</li> <li>• Subsidized purchases of water brooms</li> </ul>
<p><b>Alliances and Partnership Goal</b> To form and cultivate alliances with our Member Agencies, Metropolitan local cities and other municipal, state, federal and private institutions for joint projects and sources of funding.</p>	<ul style="list-style-type: none"> <li>• Coordination with MWD and our member agencies on a variety of conservation related state and federal legislative initiatives</li> <li>• Grant Coordination [DWR, Prop 50, MWD] and assistance (where appropriate) with our Member Agencies</li> <li>• Quarterly conservation meetings</li> </ul>
<p><b>Media and Public Information Goal</b> To utilize all forms of media to disseminate our water conservation message.</p>	<ul style="list-style-type: none"> <li>• Conservation-themed ads in local newspapers</li> <li>• Water resource related articles in local newspapers</li> <li>• Participation at community events</li> <li>• Continued distribution of MWD’s video production, “Straight from the Tap” to public access cable TV in our service area.</li> <li>• TVMWD’s Website</li> </ul>
<p><b>Best Management Practices/Irrigation Goal</b> To promote efficiencies that reduces the demand on imported water and aid in conserving our water resources. To increase the area’s native plantings and reduce the potable water irrigation demand.</p>	<ul style="list-style-type: none"> <li>• Promote the use of California native and California ‘friendly’ plants</li> <li>• Utilize local expertise at Cal Poly Pomona and the Rancho Santa Ana Botanic Gardens</li> <li>• Set-up protector del agua courses</li> <li>• Use of California-friendly plants at Three Valleys’ headquarters</li> </ul>

The benefits of conservation include:

- Ratepayers save money on their water utility bills;
- Reduced wastewater flow;
- Reduced urban runoff;
- Avoidance of purchasing expensive imported water; and
- Environmental benefits.

### **4.3 Participation in MWD's Regional Conservation Programs**

An important role for TVMWD has been to assist its member agencies in utilizing funding from MWD's *Conservation Credits Program* (CCP). This program was implemented in coordination with the member agencies, authorizing MWD's General Manager to subsidize approved conservation projects from the various member agencies and sub-agencies. MWD currently pays up to one half of the direct cost or \$154 per acre-foot for the implementation of qualifying conservation projects with demonstrable water savings, thereby reducing the demand on Metropolitan's water supplies. Proposals from the member agencies are considered on a case-by-case basis, but require local support in order to be accepted. Of the member retail agencies actually receiving water directly or indirectly from Three Valleys, nearly all have been participants in the MWD CCP. Included in this list are the cities of Covina, Glendora, La Verne, and Pomona; the Golden State Water Company (Claremont and San Dimas Divisions); the Rowland Water District and the Walnut Valley Water District.

As stated, Three Valleys participates in regional conservation programs implemented or developed by Three Valleys and/or the Metropolitan Water District. Listed below are examples and descriptions of various water conservation programs employed within the Three Valleys' service area:

#### *Landscape Conservation Program/Equipment Retrofits*

Outdoor water use is one of the largest users of water in Southern California – much of which can be attributed to inefficient or outdated equipment, but also a large portion of the water used is to maintain inappropriate landscape materials in the semi-arid environment of Southern California. Three Valleys has entered in to an agreement with Metropolitan Water District to promote and offer such improved devices as weather-sensitive irrigation controllers for residential and commercial sites. Three Valleys has provided landscape water use surveys to local home owners' associations and institutions. Three Valleys recognizes that inappropriate landscape materials is also one of the reasons outdoor water use in Southern California is so high and as such has participated in a very active program of education and outreach to local residents to improve the acceptability and understanding of native and drought tolerant plants for use in landscape design.

#### *protector del agua*

This program provides instruction in efficient water use through proper design, irrigation, and maintenance. Targeting smaller landscape maintenance personnel and public agency grounds keepers, this six-week course is offered in both English and Spanish. Class sizes

average twenty-five participants per course, with approximately three or four courses conducted within the TVMWD service area annually. Additionally, several half-day seminars are offered throughout the year, geared directly to the homeowner or homeowners associations. The curriculum for the protector del agua was created for MWD by professors at the Irrigation Training and Research Center (ITRC) at Cal Poly, San Luis Obispo. These classes will continue to be offered by TVMWD for customers within the service area.

#### *Ultra-Low Flush Toilet Retrofits*

Several retail agencies offer incentives for the replacement of old toilets, which use an average of 3.5 gallons or more per flush, with new 1.6 gallon-per-flush (gpf) toilets. By installing these 1.6 gpf retrofits, 30-50 gallons of water per household is saved daily. This type of substantial water savings will have long term effects, while not requiring customers to alter their water use habits. Three Valleys has actively facilitated these retrofit projects with retail agencies in the Covina, Glendora, Golden State Water Company, Pomona, La Verne, Rowland Water District, and Walnut Valley Water District service areas. Over the years, a total of approximately 25,000 ULFT's have been installed and/or rebated in the TVMWD service area, resulting in a projected water savings of 320 million gallons (980 acre-feet) of water saved each year. TVMWD recently provided direct install high efficiency, dual-flush toilets resulting in over 350 ULFTs being retrofitted directly in areas of older housing stock, thus reducing water use. These direct install programs were such that no TVMWD member agency was directly associated with the program and the conservation need was great and the water savings potential significant. These programs alone are thought to have saved approximately 15.3 million gallons or 47 acre-feet of water over the past 3 years.

#### *Commercial, Institutional, and Industrial (CII) Retrofits*

These retrofits refer to alterations made to equipment and processes in order to improve water use efficiency in institutionalized settings, such as restaurants, schools, laundromats, or group residential communities such as retirement homes, etc. The recent equipment included in this category are: pre-rinse spray nozzles, efficient toilets and urinals, cooling tower conductivity controllers, and commercial high-efficiency clothes washers, professional steamers, and waterbrooms. A number of these pieces of equipment have been installed within schools, restaurants, group residential communities, hotels and public works agencies. Implementation of these retrofits results in various amounts of water savings; the washing machine saving an average of 150,000 gallons annually, while the cooling tower would result in a savings of approximately 800,000 gallons annually with proper management. However, the conservation savings resulting from the installation of these retrofits vary in respect to the targeted market segment. The installation of a ULFT within retail/wholesale/restaurant sites would result in average water savings of 36 to 57 gallons per day, while hotels estimate total savings of 16 gallons per day. The CII retrofit program is managed by Honeywell DMC for Metropolitan Water District which allows for its member agencies to participate with a simple agreement. Three Valleys has participated in the program since its inception and promotes this worthwhile program through mail-outs and joint workshops. According to the Honeywell DMC staff, Three Valleys has taken advantage of a total of 895 retrofits

since they have been administering the CII program for MWD. The majority of which are commercial high-efficiency washing machines and pre-rinse spray nozzles.

### *Education Programs*

The goals of the school and community education programs are to familiarize children and adult consumers with the critical importance of water within our everyday lives, while providing them with information on how to efficiently manage individual water consumption. Through various programs, both elementary and high school students learn efficient water use habits. Three Valleys' staff draws upon highly effective and well-received curricula developed by the Metropolitan Water District and Water Education Foundation. The education programs employed, "Admiral Splash", "California Smith, Water Detective", "Groundwater Education", "California's Water Story" and "Water Politics", emphasize the importance of water awareness and the efficient use of water, as well as the availability of water throughout the respective regions. In addition to the education programs, teachers are invited to attend free workshops that serve as an introduction to the materials. Teachers who take advantage of this opportunity may receive other benefits such as free field trips to water facilities or borrowing privileges for a variety of videos, models and other educational tools.

Three Valleys also hosts and co-hosts Project WET workshops on an annual basis; these workshops are open to K through 12<sup>th</sup> grade teachers and the workshops employ and train the teachers in attendance on the use of the Water Education Foundation's award-winning curricula materials. All teachers leave with a Project WET workbook to use throughout their careers.

Also, school tours of almost any grade level are welcome and encouraged. Most fiscal years see an average of 12 to 20 school tours of grades kindergarten through college. These tours are geared for each specific audience, but all are given an overview of water in California, provided an opportunity to learn where their drinking water is delivered from and teachers are encouraged to teach basic water vocabulary before and after the event. This program reaches an average of 400 students each year.

### *Public Affairs Services*

TVMWD addresses a widespread audience through its consistent dissemination of public information. Three Valleys distributes press releases during the year and purchases extensive newspaper advertising space, in addition to writing water conservation articles for the local newspapers. TVMWD presents a display on conservation at several community events and fairs. TVMWD also distributes MWD's literature, its own brochures, and Sunset Magazine reprints at speaking engagements, displays, its front counter, on tours, to its member agencies, and in public buildings throughout the service area. Facility tours play an important role in increasing the comprehension of opinion leaders and the general public about water issues, particularly about the necessity of conservation in this time of extensive population growth in Southern California. Landscape conservation concepts for the general public are featured at the conservation garden at the Miramar Water and Hydroelectric Facility and Headquarters, where visitors can witness the employment of various drought tolerant and native plant species.

These activities can be effective in reducing water demand, especially if the public perceives a real and present need to conserve. Although it is difficult to accurately quantify the amount of water conserved as a result of public information activities, as well as ascertain the program's cost effectiveness, the formal public information program will remain as an integral element of TVMWD's conservation efforts because without information and education, the public cannot make informed decisions on water use.

#### **4.4 Implementation of Best Management Practices**

Three Valleys is one of the charter signatories of the 1992 *Memorandum of Understanding Regarding Urban Water Conservation Best Management Practices* (MOU), a document which established the California Urban Water Conservation Council (CUWCC—a self-regulating body composed of signatories), as well as the initial list of conservation Best Management Practices (BMPs). At that time and thereafter, TVMWD encouraged the signing of the MOU by all member agencies within its jurisdiction in order to expedite implementation of reasonable urban conservation measures. A number of the TVMWD member agencies are signatories to the CUWCC, including; Cities of Covina, La Verne, and Pomona, Covina Irrigating Co., Rowland Water District, Golden State Water Co., and Walnut Valley Water District.

In Three Valleys' role as a wholesale water agency, it does not have the responsibility for direct implementation of some BMPs. Rather, BMP—10 (“Wholesale agency assistance programs”) requires wholesale agencies to provide financial and technical support, and when mutually agreeable and beneficial, direct management of conservation projects on behalf of a retail supplier. Nevertheless, wholesalers like Three Valleys have a direct responsibility with respect to help implement all of the BMPs. TVMWD has taken steps to meet the requirements of these BMPs, as described in the following paragraphs.

BMP—10 speaks most directly to the requirements of a wholesale agency. Implementation of this measure consists of:

- Providing financial incentives (or equivalent resources) to retail water agency customers on all cost-effective BMPs;
- Providing workshops for retail agency personnel on CUWCC procedures and reporting requirements, and the technical, programmatic, strategic or other pertinent issues in water conservation; and
- Having the necessary staff or other resources available to respond to retail agencies' needs for assistance.

Three Valleys meets the first requirement by passing through financial incentives offered by the Metropolitan Water District through its Conservation Credits Program. While TVMWD does not offer an additional incentive over and above that provided by MWD, the district has provided some in-kind services such as managing contracts for all of its retail agencies participating in ULFT distribution events. In this way, a single vendor may be selected for several agencies' projects. Thus, a better per unit price may be negotiated due to economies of scale. In addition, by managing the contracts centrally it

is hoped that the transaction costs to the retail agencies are minimized. It also provides administrative oversight and assistance to the member agencies that have limited staff for conservation activities.

Three Valleys periodically hosts a water conservation meeting with staff from all of the retail agencies it serves. These meetings serve as a forum to discuss developments in the water conservation field generally, or more specifically with the California Urban Water Conservation Council or the Metropolitan Water District.

The following table indicates TVMWD’s activities in all the BMPs. TVMWD believes that it serves an important function in assisting its member agencies in achieving 100 per cent implementation of the CUWCC’s goals, and therefore assists at all levels where member agencies request such assistance.

**Table 4-2: Best Management Practices (BMP) Implementation by Three Valleys**

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
<p align="center"><u>BMP 1</u></p> <p>Water survey programs for single-family residential and multi-family residential customers. <i>[Not required]</i></p>	<p align="center">YES</p>	<p>TVMWD has encouraged the implementation of Residential Surveys through administrative activities, such as contacting consultants on behalf of member agencies, seeking RFPs and coordinating multiple agencies located in close proximity to one another to create a better value. To date, City of La Verne and City of Pomona are considering implementing Residential Surveys in the upcoming fiscal year.</p>	<p align="center">3,571</p>
<p align="center"><u>BMP 2</u></p> <p>Residential Plumbing Retrofits <i>[Not required]</i></p>	<p align="center">YES</p>	<p>TVMWD has provided low-flow showerheads to its member agencies to distribute at outreach events, and during ULFT distribution events. TVMWD has also distributed these showerheads at events and activities.</p> <p>TVMWD also participated in the Learning to Live Waterwise program for 4<sup>th</sup> grade students. The program was offered at no cost to its member agencies. The program provided residential retrofit kits</p>	<p align="center">60,088 Low-flow showerheads</p> <p align="center">2,400 kits</p>

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
		(showerheads, faucet aerators, toilet tumblers, rain/sprinkler gauges) to students in the 4 <sup>th</sup> grade and required the completion of a pre- and post-survey to be completed by the student for their household. Over 2,400 households throughout the TVMWD service area participated in this program.	
<p align="center"><u>BMP 3</u></p> <p align="center">System Water Audits, Leak Detection</p> <p align="center"><i>Required</i></p>	YES	TVMWD does monthly evaluations by examining water sales, water purchased (from MWD) and unaccounted for water losses. TVMWD has averaged less than 1.3% unaccounted for water losses on an annual basis.	Monthly as a regular part of reporting to the Board of Directors
<p align="center"><u>BMP 4</u></p> <p align="center">Metering with Commodity Rates for All New Connections and Retrofit of Existing Connections</p> <p align="center"><i>[Not required]</i></p>	NO Not applicable	Relevant to retail water suppliers only.	Not applicable
<p align="center"><u>BMP 5</u></p> <p align="center">Large Landscape Audits</p> <p align="center"><i>[Not required]</i></p>	YES	TVMWD has encouraged its member agencies to complete and/or offer these types of audits by contacting possible consultants for group pricing and implementation. TVMWD has paid for large landscape audits in cases where the need is extreme and the member agency has proven uninterested. The information is passed directly on to the customer for implementation of the water-saving corrections/activities.	2
<p align="center"><u>BMP 6</u></p> <p align="center">High Efficiency Washing Machines</p>	YES	TVMWD has administered and run the high efficiency clothes washer rebate program for its member agencies for the last three years. TVMWD passes the BMP credit on to the member agencies for	1,555 rebates

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
<i>[Not required]</i>		inclusion in their CUWCC reports. However, all rebates, correspondence and the subsequent MWD/DWR credit are done in-house by TVMWD. TVMWD has also helped member agencies inform the public about this program by printing ads for local newspapers, providing billing inserts specific to each member agency and providing the information on its website.	
<p align="center"><u>BMP 7</u> Public Information</p> <p align="center"><i>Required</i></p>	YES	<p>TVMWD does an extensive amount of public information through local advertisements, supplement sections (i.e. “Think Environment”, “Living Here”), articles and attending local fairs, to promote water conservation. TVMWD also assists MWD by sending out their “Straight From The Tap” public information series directly to the local cable outlets in the TVMWD service area.</p> <p>TVMWD also hosts a quarterly Leadership Breakfast for all interested parties in the community to provide an opportunity to network and listen to speakers on items of interest on the local and national level. Some of the speakers to date, include: Dr. William Patzert, Research Oceanographer, California Institute of Technology, Jet Propulsion Laboratory; Dr. Timothy Quinn, MWD Vice President of State Water Resources; Sheriff Lee Baca, Los Angeles County; Mr. Ronald Gastelum, CEO, MWD; Mr. Wes Bannister, Chairman Board of Directors, MWD; Mr. Ed Means, Sr. Vice President McGuire Environmental Consultants, Inc. to name a few. The average attendance at these breakfasts is approximately 75 guests.</p>	Numerous activities/programs
<p align="center"><u>BMP 8</u> School Education</p>	YES	TVMWD staff has visited classrooms and given presentations whenever invited by either the school or the member agency.	Numerous programs

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
<i>Required</i>		<p>TVMWD provides school tours for grades kindergarten through college on an annual basis.</p> <p>TVMWD has participated in staffing school tours for middle school (reaching approximately 1,500 students in the TVMWD service area).</p> <p>TVMWD will provide materials to teachers when requested for their school library or for in-classroom use.</p> <p>TVMWD has participated in a number of the Project WET Workshops either as a co-host or as sole host specifically for TVMWD teachers.</p> <p>TVMWD is also a supporter of the MWD Solar Cup program. Hosting numerous teams to participate in this educational program for high school students. TVMWD encourages its member agencies to directly host Solar Cup teams, but in cases where this is not available and a school is interested, TVMWD will provide the sponsorship and guidance for the team(s).</p> <p>TVMWD has also promoted the excellent curricula developed by MWD and provides teachers the ability to receive the materials, but also promotes it by scheduling workshops for teachers interested in learning more about the materials.</p>	
<p><u>BMP 9</u></p> <p>Commercial, Industrial, Institutional</p>	YES	<p>TVMWD has promoted the MWD CII program to its member agencies and has participated directly by providing waterrooms to the member agencies, ULFTs and urinals to CII locations. TVMWD has signed the MWD CII Conservation Agreement to help promote the program further. To date a number of</p>	1,575 devices

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
<i>[Not required]</i>		<p>CII devices have been installed in the TVMWD service area during 2004 - 06, approximately 865 items – primarily pre-rinse spray nozzles and commercial high efficiency clothes washers.</p> <p>TVMWD also co-hosted a CII workshop with the Inland Empire Utilities Agency (IEUA) our neighbor wholesaler to the east.</p>	
<p><u>BMP 10</u> Whole Sale Agency Assistance</p> <p><i>Required</i></p>	YES	<p>TVMWD actively supports the conservation activities of its member agencies through financial, administrative, outreach and staff support.</p> <p>(see above)</p>	Not enumerated
<p><u>BMP 11</u> Conservation Pricing</p> <p><i>Required</i></p>	YES	<p>TVMWD has implemented rates reflecting Tier 1 and Tier 2 pricing. Member agencies are given a water sales allocation based on historical purchases. If they exceed that allocation, they will be charged the Tier 2 rate for water. This method directly reflects the new MWD pricing methodologies.</p>	Not enumerated
<p><u>BMP 12</u> Conservation Coordination</p> <p><i>Required</i></p>	YES	<p>TVMWD has a position which assists the member agencies with all the BMPs, conservation activities, outreach activities and fund raising. Additional TVMWD staff is provided when necessary to assist with large programs and outreach events.</p>	1.0 FTE
<p><u>BMP 13</u> Water Waste Prohibition</p> <p><i>[Not required]</i></p>	NO	<p>TVMWD has no provision to enact ordinances for its member agencies. Therefore, enforcement of such an activity would fall solely to the member agencies.</p> <p>TVMWD has emergency drought management resolutions on file for encouragement and support to its member</p>	Not applicable

CUWCC BMP	Assistance Offered by TVMWD YES/NO	Type of Assistance Provided Details/Information	Number Implemented TO DATE (Note: these numbers are approximate based on TVMWD information. Member agencies may have separate records for their conservation programs)
		agencies.	
<p align="center"><u>BMP 14</u></p> <p align="center">Residential ULFT Replacements</p> <p align="center"><i>Not Required</i></p>	<p align="center">YES</p>	<p>TVMWD has supported ULFT replacement programs for numerous years. Through the negotiation of a consultant contract to help the member agencies receive a better per-unit price and standardize reporting and programs.</p> <p>TVMWD has also provided direct ULFT replacements in cases where the need was identified but the member agency was unable to assist. These types of programs have generated large conservation figures by replacing older toilets.</p> <p>TVMWD passes the MWD credit directly through to its member agencies after reviewing reports and coordinating the outreach efforts whenever necessary.</p>	<p align="center">Approx. 30,000</p>

We stand with each of our Member Agencies to meet the challenge to assist and encourage long-term water resource management planning. In southern California, our arid climate, coupled with an increased demand on water resources, means we must all become more ‘water-conscious’ in our approach to conservation.