OTAY WATER DISTRICT
WATER RESOURCES AND SECURITY COMMITTEE
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS
Boardroom

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
WEDNESDAY
November 29, 2006
4:00 P.M.

This is a District Committee meeting. This meeting is being posted as a special meeting In order to comply with the Brown Act (Government Code Section 54954.2) in the event that a quorum of the Board is present. Items will be deliberated, however, no formal board actions will be taken at this meeting. The committee makes recommendations to the full board for its consideration and formal action.

AGENDA

1. ROLL CALL

2. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

DISCUSSION ITEMS

3. PRESENTATION OF ANNUAL WATER CONSERVATION REPORTS FOR FISCAL YEARS 2005 AND 2006 (GRANGER) [30 min]

4. REVIEW OF COUNTY WATER AUTHORITY'S NOVEMBER 30, 2006 BOARD MEETING AGENDA (WATTON) [10 min]

5. ADJOURNMENT

All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

If you have any disability which would require accommodation in order to enable you to participate in this meeting, please call the District Secretary at 670-2280 at least 24 hours prior to the meeting.

Certification of Posting

I certify that on November 22, 2006, I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of Otay Water District, said time being at least 24 hours in advance of the special meeting of the Board of Directors (Government Code Section §54954.2).

Executed at Spring Valley, California on November 22, 2006.

Susan Cruz, District Secretary

AGENDA ITEM 3

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	December 6, 2006
SUBMITTED BY:	William Granger, Water Conservation Manager WG	W.O./G.F. NO:	n/a DIV. NO. all
APPROVED BY: (Chief)	Rom Sarno, Chief of Administrative Services		
APPROVED BY: (Asst. GM):	German Alvarez, Assistant General Manager of Finance and Administration		
SUBJECT:	Annual Water Conservation Reports for Fiscal Years 2005 and 2006		

GENERAL MANAGER'S RECOMMENDATION:
For the Board to receive an update on the District's FY 2005 and FY 2006 Water Conservation Best Management Practice Reports. This item is informational only and does not require Board action.

COMMITTEE ACTION:
See Attachment "A"

PURPOSE:
To provide the Board a summary of the 2005 and 2006 annual Water Conservation Best Management Practices Reports. These reports are submitted to the California Urban Water Conservation Council (CUWCC) every two years.

ANALYSIS:

The District voluntarily agreed to implement the fourteen water conservation Best Management Practices (BMPs) beginning in 1992, as one of the original signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California. The District submits its annual report to the CUWCC every two years for the past two recently completed fiscal years. The FY 05 and 06 BMP reports must be submitted by December 1, 2006.

The District's BMP reports are also an element of its Urban Water Management Plan. The District is required to submit an Urban Water Management Plan every five years to the Department of Water Resources, and this Plan focuses heavily on an agency's water conservation efforts. Non-compliance with the BMPs may ultimately impact future growth, as this report is submitted as part of SB 221/610 reporting requirements. Both the Department

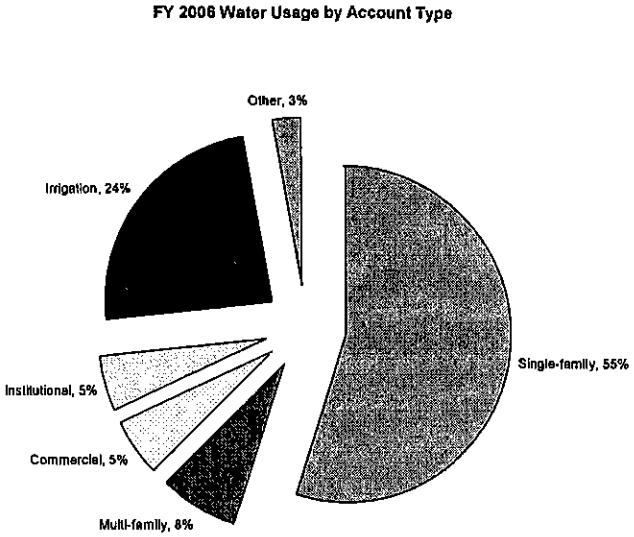
of Water Resources and the United States Bureau of Reclamation restrict grant funding only to water agencies who implement the BMPs. Once submitted to the CUWCC, the District's BMP reports become open to the public.

By participating in regionally implemented programs with Metropolitan Water District of Southern California (MET) and the San Diego County Water Authority (Water Authority), the District is able to meet its water conservation goals in a cost-effective manner. The District's water conservation program activity to date resulted in water savings of 1,165 acre-feet last fiscal year. Without these Water Conservation programs, the District would need to spend $788,700 to purchase this water last fiscal year, at a marginal cost of $677 per acre-foot.

As a water retailer, the District reports on 13 BMPs. In addition to the BMPs, Otay also reports on the number of accounts by customer class and details its supply sources. Listed below is a summary of the BMPs to be submitted to the CUWCC along with the District's breakdown of water use by account type.

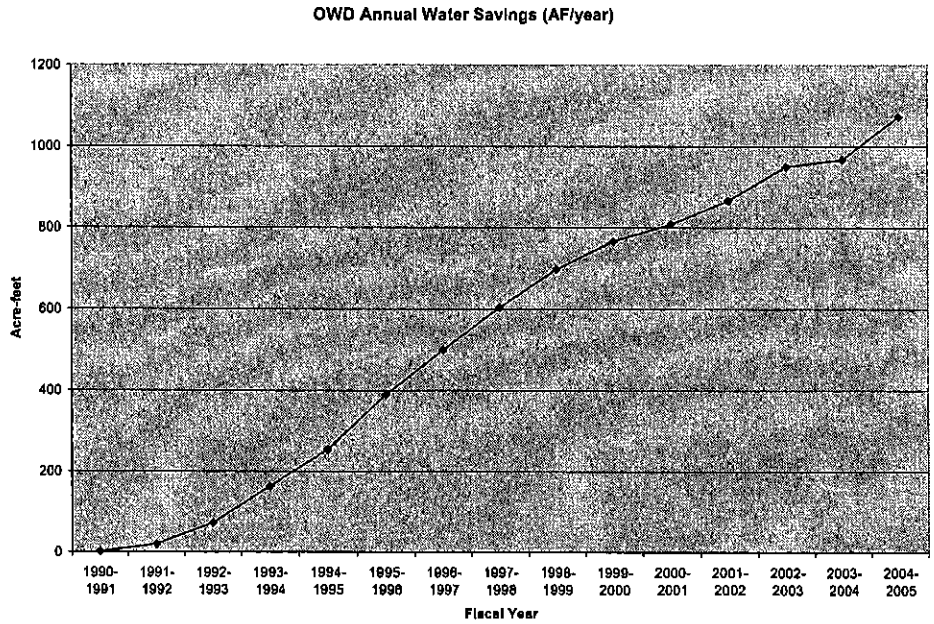
Water Use by Customer Class

In Fiscal Year 2006, the District's residential single family customers comprised 90% of the total accounts and represented 55% of the total demand. It is estimated that over 60% of that sector's demand is applied to landscapes. The District's irrigation accounts also continue to grow over time and have doubled since 1997, from 841 accounts to 1692 accounts at the end of FY 2006. Irrigation accounts represent 24% of the District's overall demand. Overall, it is estimated that at least 65% of the district's water is used for irrigation, since many of the commercial, institutional and multi-family accounts are mixed use meters such as Cuyamaca College, Southwestern College and Sharp's Chula Vista. The District estimates that it has 422 mixed-use commercial and institutional meters.

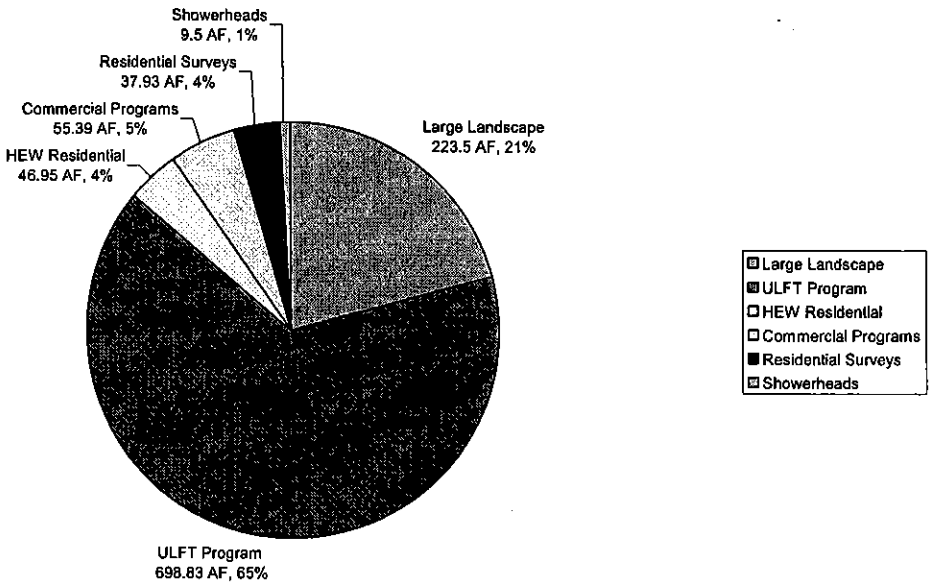


Water Savings 1990 to 2006:

As noted in the chart below, the District's water savings continue to increase each year since 1990 when the first water conservation programs began. The District's water savings goal for the "Total Water Saved" performance measure for FY 07 is 1,271 acre-feet. The chart reflects water savings attributed to devices replaced or surveys conducted through water conservation programs.



The pie chart below highlights where the bulk of the District's water savings is achieved by program. Over time, savings attributed to commercial, high efficiency clothes washer and landscape programs is expected to grow.



BMP Report Summary:

BMP 1: Residential Survey Program

This BMP requires an agency to offer and complete residential surveys for 15% of its single family and 15% of its multi-family accounts within ten years of the date implementation was to commence (1997). Through the end of FY 06, one thousand and seven surveys were conducted in Otay since the program began back in 1995. Surveys were directly marketed to the District's top residential customers as well as on its web page and at events. While in the past the District and the Authority each paid one-forth the cost of the survey and MET paid the remainder, beginning in FY 05, MET stopped funding residential surveys, and CWA only provided a limited amount of funding for surveys. Surveys typically involve checking for toilet leaks, measuring showerhead and faucet flow rates, reviewing the irrigation system, timers, and developing an irrigation schedule. **The District is currently behind schedule (by 1,588 SF surveys) in meeting the coverage requirements of this BMP.**

This BMP is scheduled to sunset on June 30, 2007 and be replaced with the proposed BMP 15.

BMP 2: Residential Plumbing Retrofit

This BMP involves the distribution of showerheads until 75% of the District's pre-1992 single-family households have low flow showerheads using 2.5 gallons per minute (gpm) or less. The 2.5 gpm requirement has been a Federal standard since January 1, 1994. The Authority and its member agencies distributed over 550,000 showerheads between 1991 and 2002, and there is a 4% estimated replacement rate. In addition, the District distributed three hundred and sixty-one 2.0 gpm showerheads to its customers over the last two fiscal years. **The District is in compliance with the coverage requirements of this BMP.**

BMP 3: System Water Audits, Leak Detection and Repair

A pre-screening audit was completed to determine if the District's water loss exceeds 10%. The pre-screening audit totals the metered sales and other verifiable uses and then divides them by the total supply. If the pre-screening audit indicates that water loss exceeded 10%, then the District is required to complete a full system audit. Water loss was 2% in FY 05 and 9% in FY 06. **The District is in compliance with the coverage requirements of this BMP.**

BMP 4: Metering with Commodity Rates for all New Connections and Retrofit of Existing Connections

This BMP asks if meters are installed for all new connections, and if customers are billed by volume of use. In addition, this BMP asks if a feasibility study has been conducted to assess the merits of developing a mixed meter retrofit program. Otay has installed meters at all of its 47,400 connections, but has not conducted a mixed meter retrofit feasibility study. The vast majority of the District's commercial meters with over an acre of landscape have separate irrigation meters. Since 1990, new commercial accounts situated on parcels of at least an acre are required to have a dedicated irrigation meter. **The District is in compliance with the coverage requirements of this BMP.**

BMP 5: Large Landscape Conservation Programs and Incentives

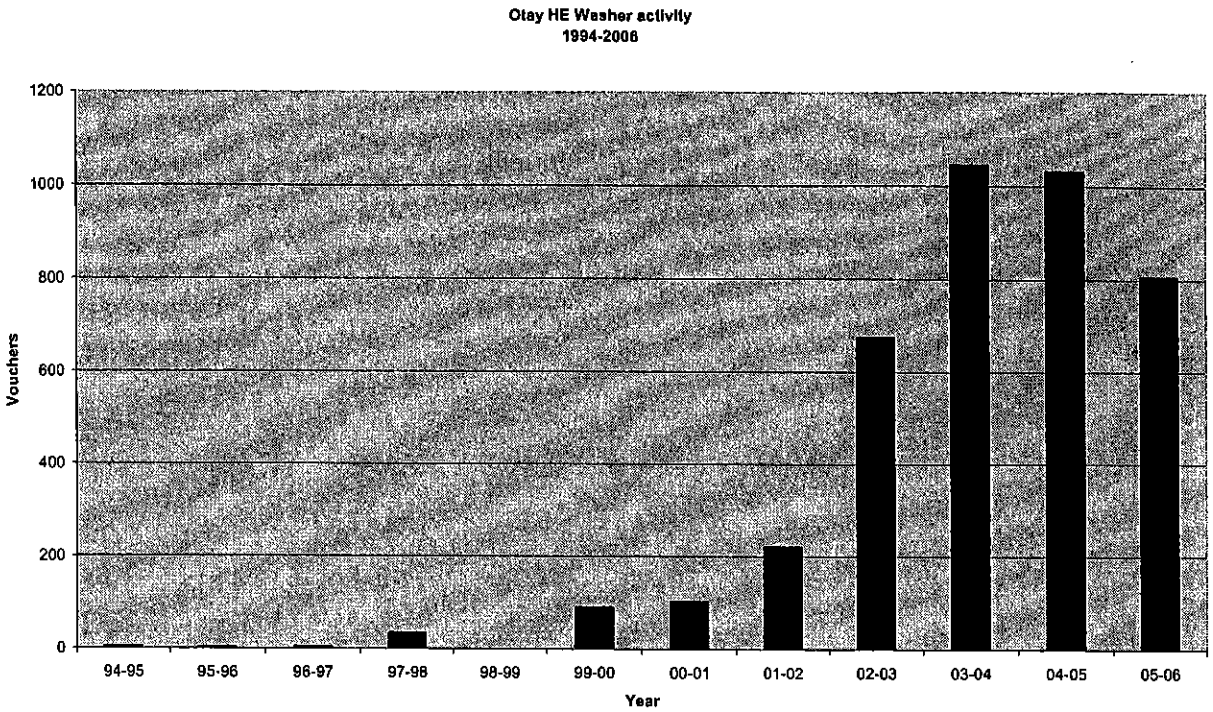
This BMP involves targeting water conservation programs to large (1 acre+) landscape accounts and asks whether the District's dedicated irrigation meters have water budgets. At the end of

fiscal year 2006, the District had 1,692 dedicated irrigation accounts. Beginning in FY 2005, the District participated in a web-based water budget reporting program. Roughly half of the District's accounts signed up to be notified of their monthly water budget through this program. The District has actively promoted large landscape surveys since 1990, and over 175 audits have been completed.

The coverage requirements for this BMP involve meeting all three conditions for compliance: developing water budgets for 90% of its dedicated irrigation meters, offering landscape surveys to at least 20% of its commercial and institutional mixed use meters, and implementing a dedicated landscape meter retrofit program for mixed use meters or assigning water budgets to mixed use meters. Until recently, the District was not certain how many mixed use meters were in place. Section 27 of the District's Code of Ordinances has required the installation of dedicated irrigation meters on commercial parcels of an acre or more since 1990 and allowed for the purchase of a separate irrigation meter beginning in 1993. **For this reason, the District wrote that our program and ordinance is "at least as effective as" the coverage requirements of this BMP.**

BMP 6: High-Efficiency (HE) Clothes Washing Machine Rebate Programs

Since 1994, the District has offered a financial incentive toward the purchase of a high-efficiency clothes washer. The District and the Authority collectively offer a $125 voucher, providing 4,015 vouchers in Otay since 1994. As highlighted on the chart below, the District provided 1,031 HE Clothes Washer Vouchers in FY 05 and 807 in FY 06. Beginning July 1, 2005 the $125 voucher was only available for high efficiency clothes washers (HEWs) with a water factor of 6.0 or less. HEWs with a water factor of 6.0 or less are estimated to save 9,100 gallons per household per year over the fourteen year lifespan of the machine. **The District is meeting the coverage requirements of this BMP.**



BMP 7: Public Information Programs

The District maintains an active public information program to promote and educate customers about water conservation and its water conservation programs. Otay actively promotes its water conservation programs through community events, on its web page, in the quarterly Pipeline customer newsletter, through bill messages, and in bill inserts. Outreach to Otay customers regarding the Water Conservation Garden is included under this BMP report. Beginning in FY 05, this BMP report no longer includes outreach by the Authority on behalf of the District. **The District is meeting the coverage requirements of this BMP.**

BMP 8: School Education Program

The District and Water Authority school program efforts within Otay are highlighted in this BMP. Since the school education program began in 1990, over 96,000 students have participated in the school education program and over 6,200 students have participated in the program over the last two fiscal years. The programs include distribution of classroom kits to teachers, funding for school buses to visit the Garden, and teacher workshops. For the first time, beginning in FY 2005, the Water Authority's school program activity is not included within the report. **The District is meeting the coverage requirements of this BMP.**

BMP 9: Conservation Programs for Commercial, Institutional and Industrial Accounts

In conjunction with the Water Authority and MET, the District offers vouchers of either $135 for ultra-low flush toilets or $165 for high efficiency toilets, $130 for single load or $775 for multi-load commercial clothes washers, $625 for cooling towers and $60 for pre-rinse spray valves. In addition to the programs noted, the District partnered with the Water Authority to fund water surveys for its top two institutional water users. **The District is currently behind schedule in meeting the coverage requirements of this BMP.**

BMP 10: Wholesale Agency Assistance Program

This BMP is not applicable to retail water agencies

BMP 11: Conservation Pricing

Otay detailed its pricing structure in this BMP as well as how much revenue is collected through both water and sewer customer classes including: residential, commercial, industrial, institutional/government, irrigation, and other. **The District will be in compliance with this BMP once it moves from flat to volumetric charges for its sewer customers.**

BMP 12: Conservation Coordinator

The District has had a Water Conservation Coordinator/Manager since the spring of 1991. This BMP asks how much of the Coordinator's time is spent on water conservation, their experience, and the conservation budget. **The District is in compliance with the requirements of this BMP.**

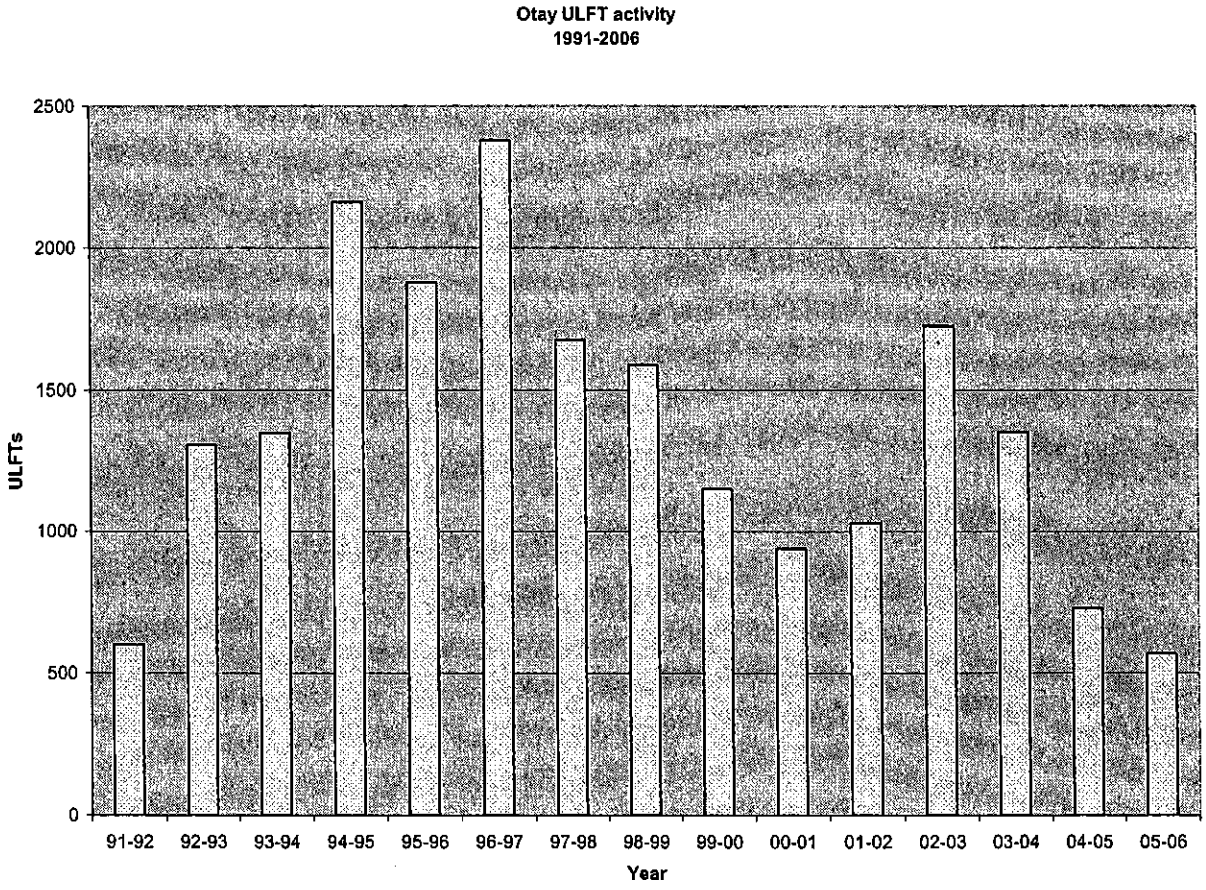
BMP 13: Water Waste Prohibition

The District complies with this BMP through its water waste prohibition ordinance, listed within Section 39 of its Code of Ordinances.

BMP 14: Residential ULFT Replacement Programs

Since 1992, the District has replaced 20,430 older toilets with 1.6 gallon per flush toilets as noted on the chart below. Customers were offered either a $75 voucher to install an Ultra Low Flush Toilet (ULFT), or a $95 voucher towards the installation of a dual-flush toilet. The District reports the

number of toilets installed in multi-family vs. single family accounts and beginning in FY 05, lists the number of dual-flush or high efficiency toilets (maximum of 1.28 gallons per flush) installed through the program. **The District is currently behind schedule (by between 600 to 1000 ULFTs depending on whether they are installed in a single-family or multi-family setting) in implementing this BMP due to the low number of multi-family accounts that have replaced their older toilets.**



FISCAL IMPACT:
None

STRATEGIC GOAL:
The District's performance measures of "total water saved" and "Water Conservation Garden Awareness" are directly related to implementation of the fourteen Best Management Practices.

LEGAL IMPACT:
None

General Manager

Attachment "A"
FY 05 BMP Report
FY 06 BMP Report
BMP Compliance Reports

ATTACHMENT A

SUBJECT/PROJECT:	Otay Water District's Water Conservation Best Management Practice Reports for FY 2005 and FY 2006

COMMITTEE ACTION:

The Water Resources & Security Committee reviewed this item at a meeting held on November 29, 2006.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for board approval. This report will be sent to the Board as a committee approved item, or modified to reflect any discussion or changes as directed from the committee prior to presentation to the full board.

Attachment(s) or exhibit(s), if appropriate

Reported as of 11/2

Water Supply & Reuse

Reporting Unit:
Otay Water District

Year:
2006

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
San Diego Water Authority	41095.8	Imported
Ralph W. Chapman	1233.7	Recycled

Total AF: 42329.5

Reported as of 11/2

Accounts & Water Use

Reporting Unit Name:	Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Service Area Population Information:

1. Total service area population 190000

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	42742	20841.88	0	0
2. Multi-Family	765	2844.65	0	0
3. Commercial	1141	2069.73	0	0
4. Industrial	0	0	0	0
5. Institutional	231	2017.75	0	0
6. Dedicated Irrigation	1692	9018.47	0	0
7. Recycled Water	0	0	0	0
8. Other	838	1335.33	0	0
9. Unaccounted	NA	4201.69	NA	0
Total	47409	42329.5	0	0
	Metered		**Unmetered**	

Reported as of 11/2

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Based on your signed MOU date, 09/04/1991, your Agency STRATEGY DUE DATE is:	09/03/1993
2. Has your agency developed and implemented a targeting/ marketing strategy for SINGLE-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	7/1/1995
3. Has your agency developed and implemented a targeting/ marketing strategy for MULTI-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	7/1/1995

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	3	0
2. Number of surveys completed:	3	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	yes	yes
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	yes	yes
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as neccesary; replace leaking toilet flapper, as necessary	yes	yes
Outdoor Survey:		
6. Check irrigation system and timers	yes	yes
7. Review or develop customer irrigation schedule	yes	yes
8. Measure landscaped area (Recommended but not required for surveys)	yes	yes
9. Measure total irrigable area (Recommended but not required for surveys)	yes	yes
10. Which measurement method is typically used (Recommended but not required for surveys)		Pacing
11. Were customers provided with information packets that included evaluation results and water savings recommendations?	yes	yes
12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	yes	yes
a. If yes, in what form are surveys tracked?		database

b. Describe how your agency tracks this information.

Honeywell tracks the surveys they completed in their database, beginning July 1 2004. They conducted 1/3 surveys listed above. The district maintains a spreadsheet that tracks the total number of surveys offered, completed for each fiscal year.

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Surveys were offered on a case-by case basis and while evaluating sites for our pilot Cash for Plants program. Beginning last fiscal year, this program was not funded at any levels we could market (they offered to co-fund approximately 20 surveys, and near the end of the fiscal year there was an offer to co-fund surveys retoactively by MET but it was too late to promote them. Instead, program emphasis shifted to the promotion of an incentive for residential smart irrigation controllers and surveys were offered during this time. Honeywell's bid to conduct residential surveys and their cost was dramatically higher than in past years. 2 residential smart controllers were installed through the voucher program that offered $65 per "smart" controller through the 2nd quarter of this fiscal year. Another 76 "smart" controllers were distributed in March, April and June of this fiscal year.

Reported as of 11/2

BMP 02: Residential Plumbing Retrofit

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? — no

   a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? — yes

3. Estimated percent of single-family households with low-flow showerheads: — 75%

4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? — yes

5. Estimated percent of multi-family households with low-flow showerheads: — 75%

6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

The San Diego County Water Authority and its member agencies distributed over 550,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition in 0.5%. And, effective January 1, 1994 showerheads manufactured in the United States must be 2.5 gpm maximum. Data from the 01/02 Residential Survey Program showed a 80-95% home saturation. The Otay Water District is one of five agencies within the San Diego County that will be participating in an upcoming (beginning late FY 07) California Single-Family Residential Water Efficiency Study.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? — yes

   a. If YES, when did your agency begin implementing this strategy? — 1/1/1992

   b. Describe your targeting/ marketing strategy.

Over 550,000 showerheads have been distributed in the region to date. Marketing that has been done in the San Diego region includes the following: residential survey distribution, direct distribution to customers (lobby counter), distribution at community events, by customer request and distribution at CBO events. In addition, this fiscal year, the Otay Water District distributed 500? showerheads to customers who came in to pay their bills or who visited our agency booth at an outreach event. The average rate of natural replacement is 4% while housing demolition is .5%. Since January 1, 1994 showerheads manufactured in the USA must be in compliance with the 2.5 gpm maximum flow rate. Data gathered from the Residential Survey Program showed a 80-95% saturation of low flow showerheads in homes surveyed.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	220	0

3. Number of toilet-displacement devices distributed:	0	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	0	0

6. Does your agency track the distribution and cost of low-flow devices? yes

a. If YES, in what format are low-flow devices tracked? Spreadsheet

b. If yes, describe your tracking and distribution system :

The San Diego County Water Authority documented distribution in the region in a spreadsheet by region, rather than by specific member agency. The District began tracking the distribution of showerheads it personally distributed beginning in FY 02.

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

We distribute 2.0 gpm showerheads. In addition, a large portion of our service area was built after 1992.

Reported as of 11/2

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Does your agency own or operate a water distribution system?	yes
2. Has your agency completed a pre-screening system audit for this reporting year?	yes
3. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:	
a. Determine metered sales (AF)	37832.03
b. Determine other system verifiable uses (AF)	295.8
c. Determine total supply into the system (AF)	42329.5
d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required.	0.90
4. Does your agency keep necessary data on file to verify the values entered in question 3?	yes
5. Did your agency complete a full-scale audit during this report year?	no
6. Does your agency maintain in-house records of audit results or completed AWWA M36 audit worksheets for the completed audit which could be forwarded to CUWCC?	yes
7. Does your agency operate a system leak detection program?	yes

a. If yes, describe the leak detection program:

Leak detection is based on purchased vs. sales, physical observations of wet spots, mainflushing load contents, and field staff calls. Otay staff calls in American Leak Detection Service depending upon the urgency or the staffing. B. Survey Data

B. Survey Data

1. Total number of miles of distribution system line.	740
2. Number of miles of distribution system line surveyed.	9.2

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

3b-"other" includes Otay water district meters, work orders and unbilled water usage

Voluntary Questions (Not used to calculate compliance)

E. Volumes

	Estimated	Verified

1. Volume of raw water supplied to the system:

2. Volume treated water supplied into the system:

3. Volume of water exported from the system:

4. Volume of billed authorized metered consumption:

5. Volume of billed authorized unmetered consumption:

6. Volume of unbilled authorized metered consumption:

7. Volume of unbilled authorized unmetered consumption:

F. Infrastructure and Hydraulics

1. System input (source or master meter) volumes metered at the entry to the:

2. How frequently are they tested and calibrated?

3. Length of mains:

4. What % of distribution mains are rigid pipes (metal, ac, concrete)?

5. Number of service connections:

6. What % of service connections are rigid pipes (metal)?

7. Are residential properties fully metered?

8. Are non-residential properties fully metered?

9. Provide an estimate of customer meter under-registration:

10. Average length of customer service line from the main to the point of the meter:

11. Average system pressure: 115

12. Range of system pressures: From 30 to 225

13. What percentage of the system is fed from gravity feed?

14. What percentage of the system is fed by pumping and re-pumping?

G. Maintenance Questions

1. Who is responsible for providing, testing, repairing and replacing customer meters? Utility

2. Does your agency test, repair and replace your meters on a regular timed schedule? yes

a. If yes, does your agency test by meter size or customer category?: Meter Size

b. If yes to meter size, please provide the frequency of testing by meter size:

Less than or equal to 1"

1.5" to 2"

3" and Larger

c. If yes to customer category, provide the frequency of testing by customer category:

SF residential	
MF residential	
Commercial	
Industrial & Institutional	
3. Who is responsible for repairs to the customer lateral or customer service line?	Utility
4. Who is responsible for service line repairs downstream of the customer meter?	Utility
5. Does your agency proactively search for leaks using leak survey techniques or does your utility reactively repair leaks which are called in, or both?	Leak Survey Techniques
6. What is the utility budget breakdown for:	
Leak Detection	$
Leak Repair	$
Auditing and Water Loss Evaluation	$
Meter Testing	$

H. Comments

Currently we test meters by customer request. We are setting up a regular testing program with an emphasis on 3" and larger meters beginning late FY 07, and evaluating how often the meters will be checked but will consider size, application, age and consumption.

Reported as of 11/2

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Please fill out the following matrix:

Types of Billed Accounts	% Accounts Metered	% Accounts Measured (Not Metered)	% Accounts Volumetric Billing
Treated Water SF Residential Accounts	100		100
Treated Water MF Residential Accounts	100		100
Treated Water Commercial Accounts	100		100
Treated Water Industrial Accounts	100		100
Treated Water Institutional Accounts	100		100
Raw Water Residential Deliveries	100	0	100
Raw Water Non-Residential Deliveries	100	0	100

2. If your agency does not meter 100% of all treated water accounts:

   a. Does your agency have a plan or program for retrofitting existing unmetered treated water connections?

   b. By what date would 100% of all treated water accounts be metered?

   c. Number of previously unmetered accounts fitted with meters during report year:

3. If your agency does bill 100% of all treated water accounts by volume of use:

   a. By what date (Year must be four digit mm/dd/yyyy) will all customers with meters be billed by volume of use?

4. If your agency does not meter or measure 100% of all raw water delivery fields (as listed in quesiton 1f & 1g), does your agency intend to develop a program for measuring all raw water deliveries?

5. If your agency does not volumetrically bill 100% of all raw water delivery, does your agency intend to develop a program for billing all raw water deliveries by volume of use?

6. Does your agency meter by volume of use all municipal or governmental accounts?: Yes

   a. If no, which types of accounts are not included:

7. Does your agency bill by volume of use all municipal or governmental accounts? Yes

   a. If no, which types of accounts are not included:

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	no
a. If YES, when was the feasibility study conducted? (mm/dd/yy)	
b. Describe the feasibility study:	
2. Number of CII accounts with mixed-use meters:	423
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period	0

D. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

E. Comments

Since 1990, the District has required that all CII acccounts on a parcel larger than one acre have a dedicated irrigation meter. There are known CII sites with mixed use meters including Donovan Correctional Facility, Southwestern College and Cuyamaca College.

Reported as of 11/2

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Water Use Budgets

1. Number of Dedicated Irrigation Meter Accounts:	1692
2. Number of Dedicated Irrigation Meter Accounts with Water Budgets:	788
3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF) during reporting year:	2286
4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF) during reporting year:	1131
5. Does your agency provide water use notices to accounts with budgets each billing cycle?	yes

B. Landscape Surveys

1. Has your agency developed a marketing / targeting strategy for landscape surveys?	yes
a. If YES, when did your agency begin implementing this strategy?	8/10/1990

b. Description of marketing / targeting strategy:

The Water Authority in partnership with the District and its other member agencies developed a number of new programs including a voucher program for "smart" irrigation controllers and mini-grants for improving the irrigation efficiency. The programs were marketed to all of the district's 1600 landscape accounts but specifically to accounts who had already received a large landscape survey (previously called PALM surveys). There was limited funding for large landscape surveys this fiscal year. The programs were marketed through direct mail as well as on the water bills. Staff also called a number of the district's largest landscape accounts to explain the program and there was cross marketing from the district's pilot Cash for Plants turfgrass retrofit program. The pilot Cash for Plants program ran through December of 2005.

2. Number of Surveys Offered during reporting year.	700
3. Number of Surveys Completed during reporting year.	3
4. Indicate which of the following Landscape Elements are part of your survey:	
a. Irrigation System Check	yes
b. Distribution Uniformity Analysis	yes
c. Review / Develop Irrigation Schedules	yes
d. Measure Landscape Area	yes
e. Measure Total Irrigable Area	yes
f. Provide Customer Report / Information	yes
5. Do you track survey offers and results?	yes
6. Does your agency provide follow-up surveys for previously completed surveys?	yes

a. If YES, describe below:

Follow-up surveys are offered at the customer's request.

C. Other BMP 5 Actions

1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program.
Does your agency provide mixed-use accounts with landscape budgets? — no

2. Number of CII mixed-use accounts with landscape budgets. — 0

Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. (From BMP 4 report) — 0

Total number of change-outs from mixed-use to dedicated irrigation meters since Base Year.

3. Do you offer landscape irrigation training? — yes

4. Does your agency offer financial incentives to improve landscape water use efficiency? — yes

Type of Financial Incentive:	Budget (Dollars/ Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	27000	2	6699
b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? — yes

a. If YES, describe below:

Yes, new customers are required by Otay's planning department to provide square footage of landscaped area and receive notice of the Water Efficient Irrigation Ordinance and monthly allocation. On changing services, they are notified by Customer Service or Water Conservation of the allocation and banking system. Surveyed account info kept in file and tracked. If consumption history shows no improvement within 6 months, a review and/or second survey is recommended to customer.

6. Do you have irrigated landscaping at your facilities? — yes

a. If yes, is it water-efficient? — yes

b. If yes, does it have dedicated irrigation metering? — no

7. Do you provide customer notices at the start of the irrigation season? — no

8. Do you provide customer notices at the end of the irrigation season? — no

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? — yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

On October 17, 1990 the Otay Water District passed Ordinance No. 367 which mandated the installation of a separate landscape meter on commercial or industrial properties if they are located on a parcel of land an acre or more in size. Then in December of 1993, the District approved

Ordinance No. 424 allowing commercial customers who obtained a single water meter to October 1990 to obtain a second meter for indoor use without paying water capacity fees if the additional meter is solely for the purpose of isolating current indoor water use from that used for outdoor landscaping. The landscape meter requirement is found in Section 27 of the District*s Code of Ordinances. 6: The District installed three water "smart" irrigation controllers around its offices this fiscal year.

E. Comments

4. a. Jamacha Park HOA received two CLIP grants and upgraded their irrigation system as well as installed a smart irrigation controller. Funding shown above also includes incentives for 2 "smart" controllers. Additionally, one "smart" controller was provided to a landscape account through the distribution program. Home Owners Associations with significant turfgrass areas were encouraged to replace their turfgrass with waterwise plant material through the District's pilot Cash for Plants program. Funding was limited to four sites at $6,000 per site. In addition, a $30,000 incentive ($10K from CWA) was available for installing artificial turf grass in sports fields. Both programs were promoted through either direct mailing or by cold calling high schools within the District. At the beginning of this FY, the Water Authority hired ConserVision to develop a web-based water budget reporting program for its member agencies. This program was running by about the mid point of the fiscal year.

Reported as of 11/2

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Coverage Goal

	Single Family	Multi-Family
1. Number of **residential** dwelling units in the agency service area.	40,866	12,422
2. Coverage Goal = Total Dwelling Units x 0.048	= 2,558 Points	

B. Implementation

1. Does your agency offer rebates for **residential** high-efficiency washers? yes

HEW Water Factor	Number of Financial Incentives Issued	Total Value of Financial Incentives: Retail Water Agency	Wholesaler/ Grants (if applicable)	Energy Utility (if applicable)	TOTAL	POINTS AWARDED
2. **Greater than 8.5 but not exceeding 9.5** (1 point)	0	$ 0	$ 0	$ 0	$ 0	0
3. **Greater than 6.0 but not exceeding 8.5** (2 points)	0	$ 0	$ 0	$ 0	$ 0	0
4. **Less than or equal to 6.0** (3 points)	807	$ 29,471	$ 107,734	$ 0	$ 137,206	2421
TOTALS:	**807**	**$ 29,471**	**$ 107,734**	**$ 0**	**$ 137,206**	**2,421**

C. Past Credit Points

For HEW incentives issued before July 1, 2004, select ONE of the following TWO options:

- Method One: Points based on HEW Water Factor
- Method Two: Agency earns 1 point for each HEW.

NOTE: Agency shall not receive credit for any HEW incentives where the agency did not provide a financial incentive of $25 or more.

Method One: Points based on HEW Water Factor

HEW Water Factor	Number of Financial Incentives Issued	Total Value of Water Agency Financial Incentives	POINTS AWARDED
1. **Greater than 8.5 but**			

not exceeding 9.5 (1 point each)	$ 0
2. **Greater than 6.0 but not exceeding 8.5** (2 points each)	$ 0
3. **Less than or equal to 6.0** (3 points each)	$ 0

Method Two: Agency earns 1 point for each HEW

	Number of Financial Incentives Issued	Total Value of Water Agency Financial Incentives	POINTS AWARDED
4. **Total HEWs installed**	2053	$ 256,375	2053

PAST CREDIT TOTALS:	**2053**	**$ 256,375**	**2,053**

D. Rebate Program Expenditures

1. Average or Estimated Administration and Overhead $ 25,824

2. Is the financial incentive offered per HEW at least equal to the marginal benefits of the water savings per HEW? yes

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

F. Comments

Beginning this FY, only washers with a water factor of 6.0 or less were eligible for the $125 voucher.

Reported as of 11/2

BMP 07: Public Information Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. How is your public information program implemented?
   Wholesaler and retailer both materially participate in program
   Which wholesaler(s)?
   San Diego County Water Authority

2. Describe the program and how it's organized:
   Otay's water conservation division promotes and educates customers about its water conservation and school education programs with help from the District's Public Information Officer. The District regularly promotes water conservation and seeks to educate its customers about waterwise landscaping principals, as well as to encourage them to participate in voucher programs. The District is active in a number of large public outreach events including the City of Chula Vista's Cinco de Mayo (May) and Lemon Festival (August), Bonita Festival (September), and events held at the Water Conservation Garden such as it's California Friendly Gardening Festival (October), its California Friendly Plant Sale (March) and its Spring Garden Festival (May). The District also regularly encourages its customers to visit the Water Conservtion Garden, which it built in cooperation with the Helix Water District and Cuyamaca College in 1999. The District regularly encourages its customers to attend residential and professional landscape classes at the Garden through its webpage, messages on the bill, bill inserts and distribution of class flyers at outreach events.

3. Indicate which and how many of the following activities are included in your public information program:

Public Information Program Activity in Retail Service Area	Yes/No	Number of Events
a. Paid Advertising	yes	84
b. Public Service Announcement	yes	2
c. Bill Inserts / Newsletters / Brochures	yes	7
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	3
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	yes	2
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

1. Annual Expenditures (Excluding Staffing) 21000

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

   a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

3a. The increase in the number of paid advertising was due to grants that heavily funded the growing California Friendly Landscape Contest. There were 2 paid ads in the Homescape section of the San Diego Union tribune and 80 spots on four radio stations. b. PSA was written and distributed promoting the new technologies and clothes washer give-away at the May 2006 Spring Garden Festival. c. Includes four newsletters, two bill inserts, Welcome to Otay brochure, and new California Friendly Landscape brochure that emphasizes water-wise landscape designs. In addition, it includes promotion of the California Friendly Landscape Contest. e. e. Includes the Spring and Fall Festival at the Garden and the first ever California Friendly Plant Sale at the Garden in March of 2006. G. Presentations WindingWalk HOA, CWA Water Conservation Action Committee, and intermediate landscape design students at Cuyamaca College B1: includes giveaway items such as magnets, stress balls, bill inserts, brochures, graphic design services, advertising.

Reported as of 11/2

BMP 08: School Education Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. How is your public information program implemented?
   Wholesaler and retailer both participate in program
   Which wholesaler(s)?
   San Diego County Water Authority

2. Please provide information on your region-wide school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	26	1907	0
Grades 4th-6th	yes	15	1181	1
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

4. Did your Agency's materials meet state education framework requirements? yes

5. When did your Agency begin implementing this program? 9/9/1990

B. School Education Program Expenditures

1. Annual Expenditures (Excluding Staffing) 13987.59

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

   a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Teacher workshops are open to grades K-12 and conducted at least once a year in partnership with our neighboring water agencies, but indicated just once above. A.2: Presentations include school tours conducted at the Water Conservation Garden as well as kits used by teachers in the classroom on water cycle, water pollution and water conservation. The District funds tours to the Garden for schools within its service area. B.1: Reflects expenditures for FY 06. $12,200 was budgeted for this FY, but Board agreed to expand funding for Splash Labs.

Reported as of 11/2

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Has your agency identified and ranked COMMERCIAL customers according to use?	yes
2. Has your agency identified and ranked INDUSTRIAL customers according to use?	yes
3. Has your agency identified and ranked INSTITUTIONAL customers according to use?	yes

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? If so, please describe activity during reporting period: no

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered			
b. Number of New Surveys Completed			
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)			
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)			

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit			
f. Evaluation of all water-using apparatus and processes			
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives			

Agency CII Customer Incentives	Budget ($/Year)	# Awarded to Customers	Total $ Amount Awarded
h. Rebates			
i. Loans			
j. Grants			
k. Others			

Option B: CII Conservation Program Targets

5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option?	yes
6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings?	yes

7. **System Calculated** annual savings (AF/yr):

CII Programs	# Device Installations
a. Ultra Low Flush Toilets	16
b. Dual Flush Toilets	0
c. High Efficiency Toilets	0
d. High Efficiency Urinals	0
e. Non-Water Urinals	0
f. Commercial Clothes Washers (coin-op only; not industrial)	0
g. Cooling Tower Controllers	0
h. Food Steamers	0
i. Ice Machines	0
j. Pre-Rinse Spray Valves	14
k. Steam Sterilizer Retrofits	0
l. X-ray Film Processors	0

8. **Estimated** annual savings (AF/yr) from agency programs not including the devices listed in Option B. 7., above:

CII Programs	Annual Savings (AF/yr)
a. Site-verified actions taken by agency:	
Staff at Bailey Detention Facility repaired a leak that was estimated to be losing 2.6 million gallons per year (8AFY. While the survey was funded and conducted in late FY 05, the repair was made in FY 06.	8
b. Non-site-verified actions taken by agency:	0

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	6000	31000
2. Actual Expenditures	758	

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

In the second half of FY 05, Otay and the San Diego County Water Authority co-funded two commercial surveys for its top two commercial/institutional water users. However, the water softener line was not repaired until FY 06 and is noted above.

Reported as of 11/2

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

Water Service Rate Structure Data by Customer Class

Number of schedules: For the following accounts, how many rate schedules does agency offer/use?		**Use of classification:** This agency:
1. **Single-family residential**	1	Uses classification in its billing system
2. **Multi-family residential**	1	Uses classification in its billing system
3. **Commercial**	1	Uses classification in its billing system
4. **Industrial**	1	Uses classification in its billing system
5. **Institutional/ government**	0	Does not serve this type of customer
6. **Dedicated irrigation** (potable water)	1	Uses classification in its billing system
7. **Other**	1	Uses classification in its billing system
8. **Recycled-reclaimed water**	1	Uses classification in its billing system
9. **Raw water** (urban use)	0	Does not offer this type of water
10. **Wholesale** (urban use)	0	Does not offer this type of water

Sewer Service

11. Does your agency provide sewer service to your water customers?	yes
12. If yes, does sewer service use conservation rate structures?	no
13. Has your agency made the required efforts (as prescribed in BMP 11) to have sewer services billed on conservation rates?	yes
14. What water agency activities have been undertaken during the reporting period to achieve waste water agency volumetric billing in your water agency service area?	Studies

B. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

We do charge our commerical sewer customers based on strength

and volume. The variance is residential customers is not as significant. The District is planning on moving to a winter based usage charge for the residential customers by FY 2008.

C. Comments

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

1.A. Single-Family Residential Rate Schedule A

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Uniform Seasonal
c. Total Revenue from only Volumetric Charges	16784430
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	8051037.43
e. Total Revenue from this category	24835467.43

1.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	10.25
h. Gallons/Bill Unit	748
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.01	1-5 units
l. Tier 2	1.67	6-25 units
m. Tier 3	1.81	26-35 units
n. Tier 4	2.65	36-50 units
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	43528
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	20907.1

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

2.A. Multi-Family Residential Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	2155894
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	382458
e. Total Revenue from this category	2538352

2.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.78	1-unit
l. Tier 2	1.94	1-unit
m. Tier 3	2.83	1-unit
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	765
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	2844.65

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

3.A. Commercial Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	1779894
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	1687733.76
e. Total Revenue from this category	3467627.76

3.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.86	1- unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	1141
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	2069.73

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

4.A. Industrial Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Uniform
c. Total Revenue from only Volumetric Charges	1737288.67
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	311064.47
e. Total Revenue from this category	2048353.14

4.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.93	1 - unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	231
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	2017.75

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

6.A. Irrigation Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	3979340.43
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	1070309.27
e. Total Revenue from this category	5049649.7

6.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.85	1-unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	1145
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	5042.29

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

7.A. Other Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Uniform
c. Total Revenue from only Volumetric Charges	1538929.68
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	545761.3
e. Total Revenue from this category	2084690.98

7.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.85	1 - unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	806
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	920.04

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

8.A. Recycled Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	3066689.23
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	496751.57
e. Total Revenue from this category	3563440.8

8.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.57	1-unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	558
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	4030.4

Reported as of 11/2

BMP 12: Conservation Coordinator

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

1. Does your Agency have a conservation coordinator?	yes
2. Is a coordinator position supplied by another agency with which you cooperate in a regional conservation program ?	no
a. Partner agency's name:	
3. If your agency supplies the conservation coordinator:	
a. What percent is this conservation coordinator's position?	100%
b. Coordinator's Name	William Granger
c. Coordinator's Title	Water Conservation Manager
d. Coordinator's Experience in Number of Years	12 years experience developing and managing water conservation programs
e. Date Coordinator's position was created (mm/dd/yyyy)	3/28/1991
4. Number of conservation staff (FTEs), including Conservation Coordinator.	2

B. Conservation Staff Program Expenditures

1. Staffing Expenditures (In-house Only)	198105.61
2. BMP Program Implementation Expenditures	183322.73

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Includes the District's agreed upon cost-share of the Water Conservation Garden's Operations and Maintenance Budget, which is strongly supported by the District and reported under BMP 7.

Reported as of 11/2

BMP 13: Water Waste Prohibition

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? yes

a. If YES, describe the ordinance:

Section 39 of the Otay Water District Code of Ordinances outlines the District's Conservation and Water Shortage Response Program. Section 39.02 states that "available water resources be put to maximum beneficial use to the extent to which they are capable; that the waste or unreasonalbe use, or unreasonable method of use of water be prevented; and that the conservation of such water be encouraged with a view to the maximum reasonable and beneficial use thereof in the interests of the residents of the District and for teh public welfare."

2. Is a copy of the most current ordinance(s) on file with CUWCC? yes

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

The eastern portions (east of 805) of the City of Chula Vista and portions of unincorporated areas of San Diego County, including Spring Valley, Rancho San Diego, Bonita, Jamul, El Cajon and Otay Mesa, served by the County of San Diego.	District Rules and Regulations for Water Conservation, revised on 12/7/2005. Both the City of Chula Vista and the County of San Diego adopted landscape ordinances in the early 1990s.

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding	yes
b. Single-pass cooling systems for new connections	yes
c. Non-recirculating systems in all new conveyor or car wash systems	yes
d. Non-recirculating systems in all new commercial laundry systems	yes
e. Non-recirculating systems in all new decorative fountains	yes
f. Other, please name As per Section 39.05 C, "Customers are required to repair all water leaks within 48 hours of knowledge that a leak exists", and "39.05 D "Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas except to alleviate immediate safety or sanitation hazards	yes

2. Describe measures that prohibit water uses listed above:

The following measures apply at all times as per Section 39.05 of the District's Code of Ordinances: (a) At no time shall water be wasted or used unreasonably, (b) Water shall not be allowed to leave the the customer's property by drainage onto adjacent properties or public or

private roadways or streets due to excessive irrigation and/or neglect, (c) Customers shall be required to repair all water leaks within 48 hours of knowledge that a leak exists, (d) water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas except to alleviate immediate safety or sanitation hazards, (e) Lawn watering or irrigation, other than by hand or drip methods, is prohibited except between the hours of 4:00 p.m. and 9:00 a.m. the following morning. New plantings and newly seeded areas are exempt from these limits for 30 days, (f) The use of hand-held hose for spraying, lawn watering, vehicle washing or structure washing is prohibited without an automatic shut-off nozzle. The following measures apply during Stage 2 and above: (a) No non-residential fountains shall be operated unless reclaimed water is used, (b) Restaurants shall not serve water to their customers except when specifically requested. During Stages 4 and above: No filling, refilling, or adding to artificial ponds or lakes shall be permitted unless reclaimed water is used

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

a. Allow the sale of more efficient, demand-initiated regenerating DIR models. yes

b. Develop minimum appliance efficiency standards that:

i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. yes

ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. yes

c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. yes

4. Does your agency include water softener checks in home water audit programs? yes

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? yes

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

While we personally conduct a limited number of residential surveys we always look for or ask if they have a water softener and ask if it is an "on-demand" unit or on a timer.

Reported as of 11/2

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2006**

A. Implementation

Number of 1.6 gpf Toilets Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Replacement Method	**SF Accounts**	**MF Units**
2. Rebate	479	79
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0
Total	**479**	**79**

Number of 1.2 gpf High-Efficiency Toilets (HETs) Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
6. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Replacement Method	**SF Accounts**	**MF Units**
7. Rebate	3	0
8. Direct Install	0	0
9. CBO Distribution	0	0
10. Other	0	0
Total	**3**	**0**

Number of Dual-Flush Toilets Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
11. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Replacement Method	**SF Accounts**	**MF Units**
12. Rebate	7	0
13. Direct Install	0	0
14. CBO Distribution	0	0
15. Other	0	0

Total	**7**	**0**

16. Describe your agency's ULFT, HET, and/or Dual-Flush Toilet programs for single-family residences.

SF customers are offered a voucher redeemable for up to $75 off the purchase price of all the 3.5+ gallon per flush toilets in their home and the incentive was increased from $95 to $165 to fund the installation of HETs (including DFTs).

17. Describe your agency's ULFT, HET, and/or Dual-Flush Toilet programs for multi-family residences.

Participating MF customers are offered a voucher redeemable for up to $75 off the purchase price of all the 3.5+ gallon per flush toilets in the multi-family complex, and $165 toward the installation of HETs (including DFTs). New MF residences could apply for the $70 voucher available for installing DFTs in new construction.

18. Is a toilet retrofit on resale ordinance in effect for your service area? no

19. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

B. Residential ULFT Program Expenditures

1. Estimated cost per ULFT/HET replacement: 23.85

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The District continues to offer an incentive to encourage developers and builders to install dual flush toilets in new contruction, co-funded by CWA and MET.

BMP 01 Coverage: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit:
Otay Water District

Reporting Period:
05-06

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?	No

A Reporting Unit (RU) must meet three conditions to satisfy strict compliance for BMP 1.

Condition 1: Adopt survey targeting and marketing strategy on time

Condition 2: Offer surveys to 20% of SF accounts and 20% of MF units during report period

Condition 3: Be on track to survey 15% of SF accounts and 15% of MF units within 10 years of implementation start date.

Test for Condition 1

Otay Water District to Implement Targeting/Marketing Program by:	1999

	Single-Family	Multi-Family
Year Otay Water District Reported Implementing Targeting/Marketing Program:	1995	1995
Otay Water District Met Targeting/Marketing Coverage Requirement:	YES	YES

Test for Condition 2

			Single-Family	Multi-Family
Survey Program to Start by:	1998	Residential Survey Offers (%)	0.04%	
Reporting Period:	05-06	Survey Offers ≥ 20%	NO	NO

Test for Condition 3

	Completed Residential Surveys	
	Single Family	Multi-Family
Total Completed Surveys 1999 - 2006:	446	
Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):	626	28
Total + Credit	1,072	28
Residential Accounts in Base Year	27,776	7,204
Otay Water District Survey Coverage as % of Base	3.86%	0.39%

Year Residential Accounts		
Coverage Requirement by Year 8 of Implementation per Exhibit 1	9.60%	9.60%
Otay Water District on Schedule to Meet 10-Year Coverage Requirement	NO	NO

BMP 1 COVERAGE STATUS SUMMARY:
Water supplier is not currently on track to meet the coverage requirements for this BMP.

BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit: **Otay Water District**

Reporting Period: **05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet one of three conditions to satisfy strict compliance for BMP 2.

Condition 1: The agency has demonstrated that 75% of SF accounts and 75% of MF units constructed prior to 1992 are fitted with low-flow showerheads.

Condition 2: An enforceable ordinance requiring the replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts is in place for the agency's service area.

Condition 3: The agency has distributed or directly installed low-flow showerheads and other low-flow plumbing devices to not less than 10% of single-family accounts and 10% of multi-family units constructed prior to 1992 during the reporting period.

Test for Condition 1

		Single-Family		Multi-Family	
Report Year	Report Period	Reported Saturation	Saturation ≥ 75%?	Reported Saturation	Saturation ≥ 75%?
1999	99-00	75.00%	YES	75.00%	YES
2000	99-00	75.00%	YES	75.00%	YES
2001	01-02	75.00%	YES	75.00%	YES
2002	01-02	75.00%	YES	75.00%	YES
2003	03-04	75.00%	YES	75.00%	YES
2004	03-04	75.00%	YES	75.00%	YES
2005	05-06	75.00%	YES	75.00%	YES
2006	05-06	75.00%	YES	75.00%	YES

Test for Condition 2

Report Year	Report Period	Otay Water District has ordinance requiring showerhead retrofit?
1999	99-00	NO
2000	99-00	NO
2001	01-02	NO
2002	01-02	NO
2003	03-04	NO
2004	03-04	NO
2005	05-06	NO
2006	05-06	NO

Test for Condition 3

Reporting Period: 05-06

1992 SF Accounts	Num. Showerheads Distributed to SF Accounts	Single-Family Coverage Ratio	SF Coverage Ratio > 10%

1992 MF Accounts	Num. Showerheads Distributed to MF Accounts	Multi-Family Coverage Ratio	MF Coverage Ratio > 10%
23,625	500	2.1%	NO
6,236			NO

BMP 2 COVERAGE STATUS SUMMARY:
Water supplier has met the coverage requirements for this BMP.

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YRs
DN - UP

BMPs
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Memorandum of Understanding

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Otay Water District

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

Report Year	Report Period	Pre-Screen Completed	Pre-Screen Result	Full Audit Indicated	Full Audit Completed
1999	99-00	YES	93.7%	NO	NO
2000	99-00	YES	92.8%	NO	NO
2001	01-02	YES	99.1%	NO	NO
2002	01-02	YES	96.4%	NO	NO
2003	03-04	YES	98.2%	NO	NO
2004	03-04	YES	93.7%	NO	NO
2005	05-06	YES	98.3%	NO	NO
2006	05-06	YES	90.1%	NO	NO

BMP 3 COVERAGE STATUS SUMMARY:
Water supplier has met the coverage requirements for this BMP.

BMP 04 Coverage: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:	Reporting Period:
Otay Water District	**05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed	
Agency indicated "at least as effective as" implementation during report period?	No

An agency must be on track to retrofit 100% of its unmetered accounts within 10 years to be in compliance with BMP 4.

Test for Compliance

Total Meter Retrofits Reported through 2006	
No. of Unmetered Accounts in Base Year	
Meter Retrofit Coverage as % of Base Year Unmetered Accounts	
Coverage Requirement by Year 7 of Implementation per Exhibit 1	52.5%
RU on Schedule to meet 10 Year Coverage Requirement	YES

BMP 4 COVERAGE STATUS SUMMARY:

Water supplier has met the coverage requirements for this BMP.

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Otay Water District

Reporting Period:
05-06

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet three conditions to comply with BMP 5.

Condition 1: Develop water budgets for 90% of its dedicated landscape meter accounts within four years of the date implementation is to start.

Condition 2: (a) Offer landscape surveys to at least 20% of its CII accounts with mixed use meters each report cycle and be on track to survey at least 15% of its CII accounts with mixed use meters within 10 years of the date implementation is to start OR (b) Implement a dedicated landscape meter retrofit program for CII accounts with mixed use meters or assign landscape budgets to mixed use meters.

Condition 3: Implement and maintain customer incentive program(s) for irrigation equipment retrofits.

Test for Condition 1

Year	Report Period	BMP 5 Implementation Year	No. of Irrigation Meter Accounts	No. of Irrigation Accounts with Budgets	Budget Coverage Ratio	90% Coverage Met by Year 4
1999	99-00		1,034	1,034	100.0%	NA
2000	99-00	1	1,076	1,076	100.0%	NA
2001	01-02	2	1,129	1,129	100.0%	NA
2002	01-02	3	1,202	1,202	100.0%	NA
2003	03-04	4	1,293	1,293	100.0%	Yes
2004	03-04	5	1,460	1,460	100.0%	Yes
2005	05-06	6				No
2006	05-06	7				No

Test for Condition 2a (survey offers)

Select Reporting Period:	05-06
Large Landscape Survey Offers as % of Mixed Use Meter CII Accounts	
Survey Offers Equal or Exceed 20% Coverage Requirement	NO

Test for Condition 2a (surveys completed)

Total Completed Landscape Surveys Reported through	78
Credit for Surveys Completed Prior to Implementation of Reporting Database	
Total + Credit	78
CII Accounts in Base Year	1,331
RU Survey Coverage as a % of Base Year CII Accounts	5.9%
Coverage Requirement by Year of Implementation per Exhibit 1	7.9%

RU on Schedule to Meet 10 Year Coverage Requirement: NO

Test for Condition 2b (mixed use budget or meter retrofit program)

Report Year	Report Period	BMP 5 Implementation Year	Agency has mix-use budget program	No. of mixed-use budgets
1999	99-00		NO	
2000	99-00	1	NO	
2001	01-02	2	NO	
2002	01-02	3	NO	
2003	03-04	4	NO	
2004	03-04	5	NO	
2005	05-06	6		
2006	05-06	7		

Report Year	Report Period	BMP 4 Implementation Year	No. of mixed use CII accounts	No. of mixed use CII accounts fitted with irrig. meters
1999	99-00			
2000	99-00	1		
2001	01-02	2	1,111	
2002	01-02	3	1,130	
2003	03-04	4	595	
2004	03-04	5	553	
2005	05-06	6	423	
2006	05-06	7	423	

Test for Condition 3

Report Year	Report Period	BMP 5 Implementation Year	RU offers financial incentives?	No. of Loans	Total Amt. Loans
1999	99-00		NO		
2000	99-00	1	NO		
2001	01-02	2	YES		
2002	01-02	3	YES		
2003	03-04	4	YES		
2004	03-04	5	YES		
2005	05-06	6			
2006	05-06	7			

Report Year	Report Period	No. of Grants	Total Amt. Grants	No. of rebates	Total Amt. Rebates
1999	99-00				
2000	99-00				
2001	01-02				
2002	01-02				
2003	03-04				
2004	03-04				
2005	05-06				
2006	05-06				

BMP 5 COVERAGE STATUS SUMMARY:
Water supplier is not currently on track to meet the coverage requirements for this BMP.

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
Otay Water District

Reporting Period:
05-06

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet two conditions to comply with BMP 6.

Condition 1: Offer a cost-effective financial incentive to customers for the purchase of high-efficiency washers with water factors of 9.5 or less.

Condition 2: Meet Coverage Goal (CG=Total Dwelling Units x 0.048) by January 1, 2007.

Test for Condition 1

Agency offers rebates for residential high-efficiency washers with water factors of 9.5 or less:	YES

Test for Condition 2

Coverage Goal:	2,558
Total Coverage Points Awarded (incl. past credit):	6,890
<% of Coverage Goal:	2.69

BMP 6 COVERAGE STATUS SUMMARY:
Water supplier has met the coverage requirements for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit: **Otay Water District**

Reporting Period: **05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

Year	Report Period	BMP 7 Implementation Year	RU Has Public Information Program?
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	
2003	03-04	5	
2004	03-04	6	
2005	05-06	7	
2006	05-06	8	

BMP 7 COVERAGE STATUS SUMMARY:
Water supplier has met the coverage requirements for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit: **Otay Water District**

Reporting Period: **05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

Year	Report Period	BMP 8 Implementation Year	RU Has School Education Program?
1999	99-00	1	
2000	99-00	2	
2001	01-02	3	
2002	01-02	4	
2003	03-04	5	
2004	03-04	6	
2005	05-06	7	
2006	05-06	8	

BMP 8 COVERAGE STATUS SUMMARY:

Water supplier has met the coverage requirements for this BMP.

BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:
Otay Water District

Reporting Period:
05-06

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet three conditions to comply with BMP 9.

Condition 1: Agency has identified and ranked by use commercial, industrial, and institutional accounts.

Condition 2(a): Agency is on track to survey 10% of commercial accounts, 10% of industrial accounts, and 10% of institutional accounts within 10 years of date implementation to commence.
OR
Condition 2(b): Agency is on track to reduce CII water use by an amount equal to 10% of baseline use within 10 years of date implementation to commence.
OR
Condition 2(c): Agency is on track to meet the combined target as described in Exhibit 1 BMP 9 documentation.

Test for Condition 1

Year	Report Period	BMP 9 Implementation Year	Ranked Com. Use	Ranked Ind. Use	Ranked Inst. Use
1999	99-00		YES	YES	YES
2000	99-00	1	YES	YES	YES
2001	01-02	2	YES	NO	YES
2002	01-02	3	YES	NO	YES
2003	03-04	4	YES	NO	YES
2004	03-04	5	YES	YES	YES
2005	05-06	6	YES	YES	YES
2006	05-06	7	YES	YES	YES

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2006			
Credit for Surveys Completed Prior to Implementation of Reporting Databases			
Total + Credit			2
CII Accounts in Base Year	1,153		178
RU Survey Coverage as % of Base Year CII Accounts			1.1%
Coverage Requirement by Year 7 of Implementation per Exhibit 1	5.3%	5.3%	5.3%
RU on Schedule to Meet 10 Year Coverage Requirement	NO	NO	NO

Test for Condition 2b

Year	Report Period	BMP 9 Implementation Year	Performance Target Savings (AF/yr)	Performance Target Savings Coverage	Performance Target Savings Coverage Requirement	Coverage Requirement Met
1999	99-00		2	0.0%		YES
2000	99-00	1	3	0.0%	0.5%	NO
2001	01-02	2	32	0.4%	1.0%	NO
2002	01-02	3	32	0.4%	1.7%	NO
2003	03-04	4	19	0.2%	2.4%	NO
2004	03-04	5	28	0.3%	3.3%	NO
2005	05-06	6	8	0.1%	4.2%	NO
2006	05-06	7	8	0.1%	5.3%	NO

Test for Condition 2c

Total BMP 9 Surveys + Credit	2
BMP 9 Survey Coverage	0.2%
BMP 9 Performance Target Coverage	0.1%
BMP 9 Survey + Performance Target Coverage	0.2%
Combined Coverage Equals or Exceeds Coverage Requirement?	NO

BMP 9 COVERAGE STATUS SUMMARY:
Water supplier is not currently on track to meet the coverage requirements for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
Otay Water District

Reporting Period:
05-06

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? Yes

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates);rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

Year	Report Period	RU Employed Conserving WATER Rate Structure	RU Employed Conserving SEWER Rate Structure	RU Meets BMP 11 Coverage Requirement
1999	99-00	YES	YES	YES
2000	99-00	YES	YES	YES
2001	01-02	YES	YES	YES
2002	01-02	YES	YES	YES
2003	03-04	YES	YES	YES
2004	03-04	YES	YES	YES
2005	05-06			
2006	05-06			

BMP 11 COVERAGE STATUS SUMMARY:
Water supplier is not currently on track to meet the coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit: **Otay Water District**

Reporting Period: **05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

Report Year	Report Period	Conservation Coordinator Position Staffed?	Total Staff on Team (incl. CC)
1999	99-00	YES	4
2000	99-00	YES	5
2001	01-02	YES	2
2002	01-02	YES	2
2003	03-04	YES	2
2004	03-04	YES	2
2005	05-06	YES	2
2006	05-06	YES	2

BMP 12 COVERAGE STATUS SUMMARY:
Water supplier has met the coverage requirements for this BMP.

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit: **Otay Water District**

Reporting Period: **05-06**

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period? No

An agency must meet one condition to comply with BMP 13.

Implementation methods shall be enacting and enforcing measures prohibiting gutter flooding, single pass cooling systems in new connections, non-recirculating systems in all new conveyer car wash and commercial laundry systems, and non-recycling decorative water fountains.

Test for Condition 1

Agency or service area prohibits:

Year	Gutter Flooding	Single-Pass Cooling Systems	Single-Pass Car Wash	Single-Pass Laundry	Single-Pass Fountains	Other	RU has ordinance that meets coverage requirement
1999	YES	YES	YES	NO	YES	YES	NO
2000	YES	YES	YES	NO	YES	YES	NO
2001	YES	YES	YES	NO	YES	YES	NO
2002	YES	YES	YES	NO	YES	YES	NO
2003	YES	YES	YES	NO	YES	YES	NO
2004	YES	YES	YES	NO	YES	YES	NO
2005	YES	YES	YES	YES	YES	YES	YES
2006	YES	YES	YES	YES	YES	YES	YES

BMP 13 COVERAGE STATUS SUMMARY:

Water supplier has met the coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **Otay Water District**

MOU Exhibit 1 Coverage Requirement

A Reporting Unit (RU) must meet one of the following conditions to be in compliance with BMP 14.

Condition 1: Retrofit-on-resale (ROR) ordinance in effect in service area.

Condition 2: Water savings from toilet replacement programs equal to 90% of Exhibit 6 coverage requirement.

An agency with an exemption for BMP 14 is not required to meet one of the above conditions. This report treats an agency with missing base year data required to compute the Exhibit 6 coverage requirement as out of compliance with BMP 14.

Status: Water supplier is not currently on track to meet the coverage requirements for this BMP. as of 2006

Coverage Year	BMP 14 Data Submitted to CUWCC	Exemption Filed with CUWCC	ROR Ordinance In Effect	Exhibit 6 Coverage Req'mt (AF)	Toilet Replacement Program Water Savings* (AF)
1998	NO			43.06	
1999	YES	NO	NO	124.10	40.51
2000	YES	NO	NO	238.51	116.72
2001	YES	NO	NO	382.12	214.06
2002	YES	NO	NO	551.12	330.46
2003	YES	NO	NO	742.09	480.98
2004	YES	NO	NO	951.90	655.21
2005	NO	NO	NO	1177.75	822.46
2006	NO	NO	NO	1417.09	983.02
2007	NO	NO	NO	1667.63	

*NOTE: Program water savings listed are net of the plumbing code. Savings are cumulative (not annual) between 1991 and the given year. Residential ULFT count data from unsubmitted forms are NOT included in the calculation.

BMP 14 COVERAGE STATUS SUMMARY:
Water supplier is not currently on track to meet the coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **Otay Water District**

BMP 14 Coverage Calculation Detail: Retrofit on Resale (ROR) Ordinance Water Savings

	Single Family	Multi-Family
1992 Housing Stock		
Average rate of natural replacement (% of remaining stock)	.04	.04
Average rate of housing demolition (% of remining stock)	.005	.005
Estimated Housing Units with 3.5+ gpf Toilets in 1997	19283.25	5089.96
Average resale rate	.04	.04
Average persons per unit		
Average toilets per unit		
Average savings per home (gpd; from Exhibit 6)	38.4	52.2

Single Family Housing Units

Coverage Year	Unretrofitted Houses	Houses Sold	Houses Unsold	Sold and Retrofitted	Sold and Already Retrofitted	Unsold and Retrofitted	Gross ROR Savings (AFY)	Nat'l Replacement Only Savings (AFY)	Net ROR Savings (AFY)
1998	17779.01	767.47	18419.36	767.47		736.77	251.42	219.73	31.69
1999	16392.10	763.64	18327.27	707.60	56.03	679.30	311.07	251.43	59.64
2000	15113.39	759.82	18235.63	652.41	107.41	626.31	366.06	281.86	84.20
2001	13934.42	756.02	18144.45	601.51	154.51	577.45	416.76	311.08	105.69
2002	12847.42	752.24	18053.73	554.59	197.65	532.41	463.51	339.14	124.38
2003	11845.22	748.48	17963.46	511.33	237.15	490.87	506.61	366.08	140.54
2004	10921.20	744.74	17873.64	471.44	273.30	452.58	546.35	391.94	154.41
2005	10069.26	741.01	17784.28	434.66	306.35	417.28	582.99	416.78	166.21
2006	9283.78	737.31	17695.36	400.76	336.55	384.73	616.77	440.63	176.14
2007	8559.57	733.62	17606.88	369.49	364.13	354.71	647.92	463.54	184.38

Multi Family Housing Units

Coverage Year	Unretrofitted Houses	Houses Sold	Houses Unsold	Sold and Retrofitted	Sold and Already Retrofitted	Unsold and Retrofitted	Gross ROR Savings (AFY)	Nat'l Replacement Only Savings (AFY)	Net ROR Savings (AFY)
1998	4692.91	202.58	4861.93	202.58		194.48	90.21	78.84	11.37
1999	4326.82	201.57	4837.62	186.78	14.79	179.31	111.62	90.22	21.40
2000	3989.29	200.56	4813.43	172.21	28.35	165.32	131.35	101.14	30.21
2001	3678.10	199.56	4789.37	158.77	40.78	152.42	149.54	111.62	37.92
2002	3391.18	198.56	4765.42	146.39	52.17	140.53	166.32	121.69	44.63
2003	3126.64	197.57	4741.59	134.97	62.60	129.57	181.78	131.35	50.43
2004	2882.73	196.58	4717.89	124.44	72.14	119.46	196.04	140.64	55.40
2005	2657.86	195.60	4694.30	114.73	80.86	110.14	209.19	149.55	59.64
2006	2450.52	194.62	4670.82	105.78	88.83	101.55	221.31	158.11	63.20

2007	2259.36	193.64	4647.47	97.53	96.11	93.63	232.48	166.32	66.16

Reported as of 11/2

Water Supply & Reuse

Reporting Unit:
Otay Water District

Year:
2005

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
San Diego County Water Authority	37678	Imported
Ralph W. Chapman	1150.4	Recycled

Total AF: 38828.4

Reported as of 11/2

Accounts & Water Use

Reporting Unit Name:	Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Service Area Population Information:

1. Total service area population 186000

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	42033	19808.02	0	0
2. Multi-Family	758	2727.01	0	0
3. Commercial	1092	2055	0	0
4. Industrial	0	0	0	0
5. Institutional	225	2131.25	0	0
6. Dedicated Irrigation	1613	8262.8	0	0
7. Recycled Water	0	0	0	0
8. Other	804	3165.55	0	0
9. Unaccounted	NA	678.77	NA	0
Total	46525	38828.4	0	0
	Metered		**Unmetered**	

Reported as of 11/2

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Based on your signed MOU date, 09/04/1991, your Agency STRATEGY DUE DATE is:	09/03/1993
2. Has your agency developed and implemented a targeting/ marketing strategy for SINGLE-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	7/1/1995
3. Has your agency developed and implemented a targeting/ marketing strategy for MULTI-FAMILY residential water use surveys?	yes
a. If YES, when was it implemented?	7/1/1995

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	9	0
2. Number of surveys completed:	9	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	yes	yes
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	yes	yes
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as neccesary; replace leaking toilet flapper, as necessary	yes	yes
Outdoor Survey:		
6. Check irrigation system and timers	yes	yes
7. Review or develop customer irrigation schedule	yes	yes
8. Measure landscaped area (Recommended but not required for surveys)	yes	yes
9. Measure total irrigable area (Recommended but not required for surveys)	yes	yes
10. Which measurement method is typically used (Recommended but not required for surveys)		Pacing
11. Were customers provided with information packets that included evaluation results and water savings recommendations?	yes	yes
12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	yes	yes
a. If yes, in what form are surveys tracked?		database

b. Describe how your agency tracks this information.

Honeywell tracks the surveys they completed in their database, beginning July 1 2004. They conducted 4/9 surveys listed above. The district maintains a spreadsheet that tracks the total number of surveys offered, completed for each fiscal year.

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Surveys were offered on a case-by case basis. Beginning this fiscal year, this program was not funded at any levels we could market (they offered to co-fund approximately 20 surveys) . Instead, program emphasis shifted to the promotion of an incentive for residential smart irrigation controllers and surveys were offered during this time. Honeywell bid to conduct residential surveys and their cost was dramatically higher than in past years.

Reported as of 11/2

BMP 02: Residential Plumbing Retrofit

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? — no

   a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? — yes

3. Estimated percent of single-family households with low-flow showerheads: — 75%

4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? — yes

5. Estimated percent of multi-family households with low-flow showerheads: — 75%

6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

The San Diego County Water Authority and its member agencies distributed over 550,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4.0%, while housing demolition in 0.5%. And, effective January 1, 1994 showerheads manufactured in the United States must be 2.5 gpm maximum. Data from the 01/02 Residential Survey Program showed a 80-95% home saturation. The Otay Water District is one of five agencies within the San Diego County that will be participating in an upcoming (beginning late FY 07) California Single-Family Residential Water Efficiency Study.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? — yes

   a. If YES, when did your agency begin implementing this strategy? — 1/1/1992

   b. Describe your targeting/ marketing strategy.

Over 550,000 showerheads have been distributed in the region to date. Marketing that has been done in the San Diego region includes the following: residential survey distribution, direct distribution to customers (lobby counter), distribution at community events, by customer request and distribution at CBO events. In addition, this fiscal year, the Otay Water District distributed 300 showerheads to customers who came in to pay their bills or who visited our agency booth at an outreach event. The average rate of natural replacement is 4% while housing demolition is .5%. Since January 1, 1994 showerheads manufactured in the USA must be in compliance with the 2.5 gpm maximum flow rate. Data gathered from the Residential Survey Program showed a 80-95% saturation of low flow showerheads in homes surveyed.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	191	0

3. Number of toilet-displacement devices distributed:	0	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	0	0

6. Does your agency track the distribution and cost of low-flow devices? yes

a. If YES, in what format are low-flow devices tracked? Spreadsheet

b. If yes, describe your tracking and distribution system :

The San Diego County Water Authority documented distribution in the region in a spreadsheet by region, rather than by specific member agency. The District began tracking the distribution of showerheads it personally distributed beginning in FY 02.

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

We distribute 2.0 gpm showerheads. Most of the homes within the district were constructed after 1992.

Reported as of 11/2

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Does your agency own or operate a water distribution system?	yes
2. Has your agency completed a pre-screening system audit for this reporting year?	yes
3. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:	
a. Determine metered sales (AF)	37515
b. Determine other system verifiable uses (AF)	635.7
c. Determine total supply into the system (AF)	38828.4
d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required.	0.98
4. Does your agency keep necessary data on file to verify the values entered in question 3?	yes
5. Did your agency complete a full-scale audit during this report year?	no
6. Does your agency maintain in-house records of audit results or completed AWWA M36 audit worksheets for the completed audit which could be forwarded to CUWCC?	yes
7. Does your agency operate a system leak detection program?	yes

a. If yes, describe the leak detection program:

Leak detection is based on purchased vs. sales, physical observations of wet spots, mainflushing load contents, and field staff calls. Otay staff calls in American Leak Detection Service depending upon the urgency or the staffing.

B. Survey Data

1. Total number of miles of distribution system line.	706
2. Number of miles of distribution system line surveyed.	12.75

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

3b-"other" includes Otay water district meters, unbilled water usage and work orders

Voluntary Questions (Not used to calculate compliance)

E. Volumes

	Estimated	Verified

1. Volume of raw water supplied to the system:

2. Volume treated water supplied into the system:

3. Volume of water exported from the system:

4. Volume of billed authorized metered consumption:

5. Volume of billed authorized unmetered consumption:

6. Volume of unbilled authorized metered consumption:

7. Volume of unbilled authorized unmetered consumption:

F. Infrastructure and Hydraulics

1. System input (source or master meter) volumes metered at the entry to the:

2. How frequently are they tested and calibrated?

3. Length of mains:

4. What % of distribution mains are rigid pipes (metal, ac, concrete)?

5. Number of service connections:

6. What % of service connections are rigid pipes (metal)?

7. Are residential properties fully metered? yes

8. Are non-residential properties fully metered? yes

9. Provide an estimate of customer meter under-registration:

10. Average length of customer service line from the main to the point of the meter: 30

11. Average system pressure: 115

12. Range of system pressures: From 30 to 225

13. What percentage of the system is fed from gravity feed?

14. What percentage of the system is fed by pumping and re-pumping?

G. Maintenance Questions

1. Who is responsible for providing, testing, repairing and replacing customer meters? Utility

2. Does your agency test, repair and replace your meters on a regular timed schedule? no

a. If yes, does your agency test by meter size or customer category?: Meter Size

b. If yes to meter size, please provide the frequency of testing by meter size:

Less than or equal to 1"

1.5" to 2"

3" and Larger

c. If yes to customer category, provide the frequency of testing by customer category:

SF residential

MF residential	
Commercial	
Industrial & Institutional	
3. Who is responsible for repairs to the customer lateral or customer service line?	Utility
4. Who is responsible for service line repairs downstream of the customer meter?	Customer
5. Does your agency proactively search for leaks using leak survey techniques or does your utility reactively repair leaks which are called in, or both?	
6. What is the utility budget breakdown for:	
Leak Detection	$
Leak Repair	$
Auditing and Water Loss Evaluation	$
Meter Testing	$ 0

H. Comments

Currently we test meters by customer request. We are setting up a regular testing program with an emphasis on 3" and larger meters beginning late FY 07, and evaluating how often the meters will be checked but will consider size, application, age and consumption.

Reported as of 11/2

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Please fill out the following matrix:

Types of Billed Accounts	% Accounts Metered	% Accounts Measured (Not Metered)	% Accounts Volumetric Billing
Treated Water SF Residential Accounts	100		100
Treated Water MF Residential Accounts	100		100
Treated Water Commercial Accounts	100		100
Treated Water Industrial Accounts	100		100
Treated Water Institutional Accounts	100		100
Raw Water Residential Deliveries	100	0	100
Raw Water Non-Residential Deliveries	100	0	100

2. If your agency does not meter 100% of all treated water accounts:

   a. Does your agency have a plan or program for retrofitting existing unmetered treated water connections?

   b. By what date would 100% of all treated water accounts be metered?

   c. Number of previously unmetered accounts fitted with meters during report year:

3. If your agency does bill 100% of all treated water accounts by volume of use:

   a. By what date (Year must be four digit mm/dd/yyyy) will all customers with meters be billed by volume of use?

4. If your agency does not meter or measure 100% of all raw water delivery fields (as listed in quesiton 1f & 1g), does your agency intend to develop a program for measuring all raw water deliveries?

5. If your agency does not volumetrically bill 100% of all raw water delivery, does your agency intend to develop a program for billing all raw water deliveries by volume of use?

6. Does your agency meter by volume of use all municipal or governmental accounts?: Yes

   a. If no, which types of accounts are not included:

7. Does your agency bill by volume of use all municipal or governmental accounts? Yes

   a. If no, which types of accounts are not included:

B. Feasibility Study

1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	no
a. If YES, when was the feasibility study conducted? (mm/dd/yy)	
b. Describe the feasibility study:	
2. Number of CII accounts with mixed-use meters:	423
3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period	0

D. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No
a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."	

E. Comments

B2. The figure is from a query of our billing system. Since 1990, the District has required that all CII acccounts on a parcel larger than one acre have a dedicated irrigation meter. There are known CII sites with mixed use meters including Donovan Correctional Facility, Southwestern College and Cuyamaca College.

Reported as of 11/2

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Water Use Budgets

1. Number of Dedicated Irrigation Meter Accounts:	1613
2. Number of Dedicated Irrigation Meter Accounts with Water Budgets:	770
3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF) during reporting year:	5458
4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF) during reporting year:	2852
5. Does your agency provide water use notices to accounts with budgets each billing cycle?	yes

B. Landscape Surveys

1. Has your agency developed a marketing / targeting strategy for landscape surveys?	yes
a. If YES, when did your agency begin implementing this strategy?	8/10/1990

b. Description of marketing / targeting strategy:

The Water Authority in partnership with the District and its other member agencies developed a number of new programs including a voucher program for "smart" irrigation controllers and mini-grants for improving the irrigation efficiency. The programs were marketed to all of the district's 1600 landscape accounts but specifically to accounts who had already received a large landscape survey (previously called PALM surveys). There was limited funding for large landscape surveys this fiscal year. The programs were marketed through direct mail as well as on the water bills. Staff also called a number of the district's largest landscape accounts to explain the program and there was cross marketing from the district's pilot Cash for Plants turfgrass retrofit program.

2. Number of Surveys Offered during reporting year.	650
3. Number of Surveys Completed during reporting year.	2
4. Indicate which of the following Landscape Elements are part of your survey:	
a. Irrigation System Check	yes
b. Distribution Uniformity Analysis	yes
c. Review / Develop Irrigation Schedules	yes
d. Measure Landscape Area	yes
e. Measure Total Irrigable Area	yes
f. Provide Customer Report / Information	yes
5. Do you track survey offers and results?	yes
6. Does your agency provide follow-up surveys for previously completed surveys?	yes

a. If YES, describe below:

Follow-up surveys are offered at the customer's request.

C. Other BMP 5 Actions

1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program.
Does your agency provide mixed-use accounts with landscape budgets? no

2. Number of CII mixed-use accounts with landscape budgets. 0

Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. (From BMP 4 report) 0

Total number of change-outs from mixed-use to dedicated irrigation meters since Base Year.

3. Do you offer landscape irrigation training? yes

4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/ Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	27000	0	0
b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? yes

a. If YES, describe below:

Yes, new customers are required by Otay's planning department to provide square footage of landscaped area and receive notice of the Water Efficient Irrigation Ordinance and monthly allocation. On changing services, they are notified by Customer Service or Water Conservation of the allocation and banking system. Surveyed account info kept in file and tracked.

6. Do you have irrigated landscaping at your facilities? yes

a. If yes, is it water-efficient? yes

b. If yes, does it have dedicated irrigation metering? no

7. Do you provide customer notices at the start of the irrigation season? no

8. Do you provide customer notices at the end of the irrigation season? no

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

On October 17, 1990 the Otay Water District passed Ordinance No. 367 which mandated the installation of a separate landscape meter on commercial or industrial properties if they are located on a parcel of land an acre or more in size. Then in December of 1993, the District approved Ordinance No. 424 allowing commercial customers who obtained a single water meter to October 1990 to obtain a second meter for indoor

use without paying water capacity fees if the additional meter is solely for the purpose of isolating current indoor water use from that used for outdoor landscaping. The landscape meter requirement is found in Section 27 of the District*s Code of Ordinances.

E. Comments

4. a. Home Owners Associations with significant turfgrass areas were encouraged to replace their turfgrass with waterwise plant material through the District's pilot Cash for Plants program. Funding was limited to four sites at $6,000 per site. In addition, a $30,000 incentive ($10K from CWA) was available for installing artificial turf grass in sports fields. Both programs were promoted through either direct mailing or by cold calling high schools within the District. At the beginning of this FY, the Water Authority hired ConserVision to develop a web-based water budget reporting program for its member agencies. This program was running by about the mid point of the fiscal year.

Reported as of 11/2

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Otay Water District**

BMP Form Status: **100% Complete**

Year: **2005**

A. Coverage Goal

	Single Family	Multi-Family
1. Number of **residential** dwelling units in the agency service area.	40,866	12,422
2. Coverage Goal = Total Dwelling Units x 0.048	= 2,558 Points	

B. Implementation

1. Does your agency offer rebates for **residential** high-efficiency washers? yes

HEW Water Factor	Number of Financial Incentives Issued	Total Value of Financial Incentives: Retail Water Agency	Wholesaler/ Grants (if applicable)	Energy Utility (if applicable)	TOTAL	POINTS AWARDED
2. **Greater than 8.5 but not exceeding 9.5** (1 point)	205	$ 3,163	$ 27,368	$ 0	$ 30,531	205
3. **Greater than 6.0 but not exceeding 8.5** (2 points)	267	$ 4,101	$ 35,511	$ 0	$ 39,612	534
4. **Less than or equal to 6.0** (3 points)	559	$ 8,625	$ 74,626	$ 0	$ 83,252	1677
TOTALS:	**1031**	**$ 15,890**	**$ 137,505**	**$ 0**	**$ 153,395**	**2,416**

C. Past Credit Points

For HEW incentives issued before July 1, 2004, select ONE of the following TWO options:

- Method One: Points based on HEW Water Factor
- Method Two: Agency earns 1 point for each HEW.

NOTE: Agency shall not receive credit for any HEW incentives where the agency did not provide a financial incentive of $25 or more.

Method One: Points based on HEW Water Factor

HEW Water Factor	Number of Financial Incentives Issued	Total Value of Financial Incentives: Retail Water Agency	Wholesaler/ Grants (if applicable)	Energy Utility (if applicable)	TOTAL	POINTS AWARDED
1. **Greater**						

than 8.5 but not exceeding 9.5 (1 point each)	$ 0	$ 0	$ 0	$ 0
2. **Greater than 6.0 but not exceeding 8.5** (2 points each)	$ 0	$ 0	$ 0	$ 0
3. **Less than or equal to 6.0** (3 points each)	$ 0	$ 0	$ 0	$ 0

Method Two: Agency earns 1 point for each HEW

	Number of Financial Incentives Issued	Total Value of Water Agency Financial Incentives	POINTS AWARDED
4. **Total HEWs installed**	2053	$ 256,375	2053

PAST CREDIT TOTALS:	**2053**	**$0**	**$0**	**$0**	**$ 256,375**	**2,053**

D. Rebate Program Expenditures

1. Average or Estimated Administration and Overhead $ 32,292

2. Is the financial incentive offered per HEW at least equal to the marginal benefits of the water savings per HEW? yes

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

F. Comments

Our billing system does note the number of dwelling units per multi-family account. The number of SF and MF dwelling units is as of the first day of FY 05 (7/1/2004).

Reported as of 11/2

BMP 07: Public Information Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. How is your public information program implemented?
   Wholesaler and retailer both materially participate in program
   Which wholesaler(s)?
   San Diego County Water Authority

2. Describe the program and how it's organized:
   Otay's water conservation division promotes and educates customers about its water conservation and school education programs with help from the District's Public Information Officer. The District regularly promotes water conservation and seeks to educate its customers about waterwise landscaping principals, as well as to encourage them to participate in the ULFT and HEW voucher programs. The District is active in a number of large public outreach events including the City of Chula Vista's Cinco de Mayo (May) and Lemon Festival (August), Bonita Festival (September), and events held at the Water Conservation Garden such as it's California Friendly Gardening Festival (October), its California Friendly Plant Sale (March) and its Spring Garden Festival (May). The District also regularly encourages its customers to visit the Water Conservtion Garden, which it built in cooperation with the Helix Water District and Cuyamaca College in 1999. The District regularly encourages its customers to attend residential and professional landscape classes at the Garden through its webpage, messages on the bill, bill inserts and distribution of class flyers at outreach events. The Water Conservation outreach is part of the District's community and government outreach plan which includes quarterly newsletters, monthly bill inserts, monthly bill messaging and press releases on district programs and services including water conservation.

3. Indicate which and how many of the following activities are included in your public information program:

Public Information Program Activity in Retail Service Area	Yes/No	Number of Events
a. Paid Advertising	yes	3
b. Public Service Announcement	yes	0
c. Bill Inserts / Newsletters / Brochures	yes	8
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	3
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	yes	2
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

1. Annual Expenditures (Excluding Staffing) 21000

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

   a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective

as."

D. Comments

2. a. paid advertising included two ads cofunded with Sweetwater Authority promoting the California Friendly Landscape Contest in the Star News and one ad co-funded with the Helix Water District in the Daily Californian. c. Includes four newsletters, two bill inserts, Welcome to Otay brochure, and California Friendly Gardening brochure. e. Includes the Spring and Fall Festival at the Garden as well as the Water-wise Technologies Expo held at the Garden in April 2005. F: Special event is the annual Otay Developer's luncheon where staff presents an update on its water conservation programs G. Presentations include WindingWalk HOA, CWA Water Conservation Action Committee, intermediate landscape design students at Cuyamaca College B1: includes printing of bill inserts, graphic design services, and the portion of the newsletters (typically 1/4 devoted to water conservation), the reprinting of the "Welcome to Otay" brochure, plus printing, brochure design budget and funding for outreach materials (seed packets, magnets, brochures) from Water Conservation.

Reported as of 11/2

BMP 08: School Education Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. How is your public information program implemented?
   Wholesaler and retailer both participate in program
   Which wholesaler(s)?
   San Diego County Water Authority

2. Please provide information on your region-wide school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	33	2439	0
Grades 4th-6th	yes	10	850	1
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

4. Did your Agency's materials meet state education framework requirements? yes

5. When did your Agency begin implementing this program? 9/9/1990

B. School Education Program Expenditures

1. Annual Expenditures (Excluding Staffing) 8346.21

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

   a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Teacher workshops are open to grades K-12 but indicated just once above. Classroom presentations include school tours conducted at the Water Conservation Garden and kits used by teachers in their classroom. Kits are available on the water cycle, water pollution, or water conservation. The District funds tours to the Garden for schools within its service area and staffs the tours. B1. The District budgeted $12,200, but amount shown above is actual budget expended. No longer includes CWA activity within the District's service area

Reported as of 11/2

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Has your agency identified and ranked COMMERCIAL customers according to use?	yes
2. Has your agency identified and ranked INDUSTRIAL customers according to use?	yes
3. Has your agency identified and ranked INSTITUTIONAL customers according to use?	yes

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? If so, please describe activity during reporting period: **no**

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	1	0	2
b. Number of New Surveys Completed	0	0	2
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0

CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit			yes
f. Evaluation of all water-using apparatus and processes			yes
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives			yes

Agency CII Customer Incentives	Budget ($/Year)	# Awarded to Customers	Total $ Amount Awarded
h. Rebates			
i. Loans			
j. Grants			
k. Others			

Option B: CII Conservation Program Targets

5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option?	yes
6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings?	yes

7. **System Calculated** annual savings (AF/yr):

CII Programs	# Device Installations
a. Ultra Low Flush Toilets	17
b. Dual Flush Toilets	0
c. High Efficiency Toilets	0
d. High Efficiency Urinals	1
e. Non-Water Urinals	0
f. Commercial Clothes Washers (coin-op only; not industrial)	20
g. Cooling Tower Controllers	1
h. Food Steamers	0
i. Ice Machines	0
j. Pre-Rinse Spray Valves	34
k. Steam Sterilizer Retrofits	0
l. X-ray Film Processors	4

8. **Estimated** annual savings (AF/yr) from agency programs not including the devices listed in Option B. 7., above:

CII Programs	Annual Savings (AF/yr)
a. Site-verified actions taken by agency:	
As a direct result of the District and Water Authority funded commercial survey and follow-up at Bailey Detention Facility a significant leak in the water softener line was identified and fixed.	8
b. Non-site-verified actions taken by agency:	0

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	36000	6000
2. Actual Expenditures	25874.28	

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

In the 3rd quarter of this FY, the District's Board of Directors agreed to authorize the expenditure of up to $30,000 towards the completion of approximately 3 commercial/institutional water audits. The District signed an agreement to share the costs of the surveys with CWA. Two institutional surveys were completed at the end of this FY, at a total cost of $23,428.28

Reported as of 11/2

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

Water Service Rate Structure Data by Customer Class

Number of schedules: For the following accounts, how many rate schedules does agency offer/use?		**Use of classification:** This agency:
1. **Single-family residential**	1	Uses classification in its billing system
2. **Multi-family residential**	1	Uses classification in its billing system
3. **Commercial**	1	Uses classification in its billing system
4. **Industrial**	0	Does not serve this type of customer
5. **Institutional/ government**	0	Does not serve this type of customer
6. **Dedicated irrigation** (potable water)	1	Uses classification in its billing system
7. **Other**	1	Uses classification in its billing system
8. **Recycled-reclaimed water**	1	Uses classification in its billing system
9. **Raw water** (urban use)	0	Does not offer this type of water
10. **Wholesale** (urban use)	0	Does not offer this type of water

Sewer Service

11. Does your agency provide sewer service to your water customers?	yes
12. If yes, does sewer service use conservation rate structures?	no
13. Has your agency made the required efforts (as prescribed in BMP 11) to have sewer services billed on conservation rates?	no
14. What water agency activities have been undertaken during the reporting period to achieve waste water agency volumetric billing in your water agency service area?	Studies

B. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

We do charge our commercial sewer customers based on strength

and volume. The variance in residential customers is not as significant. The Distrist is planning on moving to a winter based usage charge for the residential customers by Fiscal Year 2008.

C. Comments

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

1.A. Single-Family Residential Rate Schedule A

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	13705261
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	7739708
e. Total Revenue from this category	21444969

1.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	16.5
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.01	1-5
l. Tier 2	1.67	6-25
m. Tier 3	1.81	26-35
n. Tier 4	2.65	36-50
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	42057
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	19922.3

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

2.A. Multi-Family Residential Rate Schedule A

a. Water Rate Structure	Increasing Block
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	2105275
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	892562
e. Total Revenue from this category	2997837

2.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	0
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.67	1-5 units
l. Tier 2	1.81	6-36 units
m. Tier 3	2.65	36+ units
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	758
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	2727

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

3.A. Commercial Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Uniform
c. Total Revenue from only Volumetric Charges	1595078
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	676257
e. Total Revenue from this category	2271335

3.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.78	1 unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	1092
r. Are elevation charges included?	no
s. Approximate total annual water usage (AF) from customers on this rate schedule	2055

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

6.A. Irrigation Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	4408220
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	814743
e. Total Revenue from this category	5222963

6.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.86	1 unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	1136
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	4967

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

7.A. Other Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Non-volumetric Flat Rate
c. Total Revenue from only Volumetric Charges	1840937
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	846024
e. Total Revenue from this category	2686961

7.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.78	1-unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	772
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	2393.3

BMP 11: Conservation Pricing

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

8.A. Recycled Rate Schedule A

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Uniform
c. Total Revenue from only Volumetric Charges	2084091
d. Total Revenue from Non-Volumetric Charges (Includes fixed fees, surcharges, minimum usage charges, monthly service charges, meter charges etc.)	346400
e. Total Revenue from this category	2430491

8.A. Rate Schedule - Volumetric

Title: Rate Schedule - Volumetric

f. Billing Cycles/year	12
g. Service Charges/Cycle	20
h. Gallons/Bill Unit	748.5
i. Minimum Use/Cycle	1
j. Non-billed Units (included in monthly service charge)	0

	$/Bill Unit	Starting At (unit qty.)
k. Tier 1	1.51	1 unit
l. Tier 2		
m. Tier 3		
n. Tier 4		
o. Tier 5		
p. Tier 6		

q. Approximate quantity of meters/accounts on this rate schedule	483
r. Are elevation charges included?	yes
s. Approximate total annual water usage (AF) from customers on this rate schedule	3318.7

Reported as of 11/2

BMP 12: Conservation Coordinator

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

1. Does your Agency have a conservation coordinator?	yes
2. Is a coordinator position supplied by another agency with which you cooperate in a regional conservation program ?	no
a. Partner agency's name:	
3. If your agency supplies the conservation coordinator:	
a. What percent is this conservation coordinator's position?	100%
b. Coordinator's Name	William Granger
c. Coordinator's Title	Water Conservation Manager
d. Coordinator's Experience in Number of Years	11 years experience developing and managing water conservation programs
e. Date Coordinator's position was created (mm/dd/yyyy)	3/28/1991
4. Number of conservation staff (FTEs), including Conservation Coordinator.	2

B. Conservation Staff Program Expenditures

1. Staffing Expenditures (In-house Only)	196558.37
2. BMP Program Implementation Expenditures	156614.71

C. "At Least As Effective As"

1. Is your agency implementing an "at least as effective as" variant of this BMP?	no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Includes the District's agreed upon cost-share of the Water Conservation Garden's Operations and Maintenance Budget, which is strongly supported by the District and reported under BMP 7.

Reported as of 11/2

BMP 13: Water Waste Prohibition

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? yes

a. If YES, describe the ordinance:

Section 39 of the Otay Water District Code of Ordinances outlines the District's Conservation and Water Shortage Response Program. Section 39.02 states that "available water resources be put to maximum beneficial use to the extent to which they are capable; that the waste or unreasonalbe use, or unreasonable method of use of water be prevented; and that the conservation of such water be encouraged with a view to the maximum reasonable and beneficial use thereof in the interests of the residents of the District and for teh public welfare."

2. Is a copy of the most current ordinance(s) on file with CUWCC? yes

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

The eastern portions (east of 805) of the City of Chula Vista and portions of unincorporated areas of San Diego County, including Spring Valley, Rancho San Diego, Bonita, Jamul, El Cajon and Otay Mesa, served by the County of San Diego.	District Rules and Regulations for Water Conservation, revised on 12/7/2005. Both the City of Chula Vista and the County of San Diego adopted landscape ordinances in the early 1990s.

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

a. Gutter flooding	yes
b. Single-pass cooling systems for new connections	yes
c. Non-recirculating systems in all new conveyor or car wash systems	yes
d. Non-recirculating systems in all new commercial laundry systems	yes
e. Non-recirculating systems in all new decorative fountains	yes
f. Other, please name As per Section 39.05 C, "Customers are required to repair all water leaks within 48 hours of knowledge that a leak exists", and "39.05 D "Water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas except to alleviate immediate safety or sanitation hazards	yes

2. Describe measures that prohibit water uses listed above:

The following measures apply at all times as per Section 39.05 of the District's Code of Ordinances: (a) At no time shall water be wasted or used unreasonably, (b) Water shall not be allowed to leave the the customer's property by drainage onto adjacent properties or public or

private roadways or streets due to excessive irrigation and/or neglect, (c) Customers shall be required to repair all water leaks within 48 hours of knowledge that a leak exists, (d) water shall not be used to wash down sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas except to alleviate immediate safety or sanitation hazards, (e) Lawn watering or irrigation, other than by hand or drip methods, is prohibited except between the hours of 4:00 p.m. and 9:00 a.m. the following morning. New plantings and newly seeded areas are exempt from these limits for 30 days, (f) The use of hand-held hose for spraying, lawn watering, vehicle washing or structure washing is prohibited without an automatic shut-off nozzle. The following measures apply during Stage 2 and above: (a) No non-residential fountains shall be operated unless reclaimed water is used, (b) Restaurants shall not serve water to their customers except when specifically requested. During Stages 4 and above: No filling, refilling, or adding to artificial ponds or lakes shall be permitted unless reclaimed water is used

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

a. Allow the sale of more efficient, demand-initiated regenerating DIR models. yes

b. Develop minimum appliance efficiency standards that:

i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. yes

ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. yes

c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. yes

4. Does your agency include water softener checks in home water audit programs? yes

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? yes

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

While we personally conduct a limited number of residential surveys we always look for or ask if they have a water softener and ask if it is an "on-demand" unit or on a timer.

Reported as of 11/2

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:	BMP Form Status:	Year:
Otay Water District	**100% Complete**	**2005**

A. Implementation

Number of 1.6 gpf Toilets Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Replacement Method	**SF Accounts**	**MF Units**
2. Rebate	594	133
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	0	0
Total	**594**	**133**

Number of 1.2 gpf High-Efficiency Toilets (HETs) Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
6. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	no	no
Replacement Method	**SF Accounts**	**MF Units**
7. Rebate	0	0
8. Direct Install	0	0
9. CBO Distribution	0	0
10. Other	0	0
Total	**0**	**0**

Number of Dual-Flush Toilets Replaced by Agency Program During Report Year

	Single-Family Accounts	Multi-Family Units
11. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Replacement Method	**SF Accounts**	**MF Units**
12. Rebate	2	0
13. Direct Install	0	0
14. CBO Distribution	0	0

15. Other	0	0
Total	**2**	**0**

16. Describe your agency's ULFT, HET, and/or Dual-Flush Toilet programs for single-family residences.

SF customers are offered a voucher redeemable for up to $75 off the purchase price of all the 3.5+ gallon per flush toilets in their home. Toilets installed as part of new construction or bathroom additions do not qualify. Beginning last fiscal year, SF customers were offered $95 to replace their older toilets with dual-flush toilets. Four of the seven hundred and twenty nine toilets installed were dual-flush toilets. As a pilot program, the District offered a $70 incentive ($45 last FY) toward dual-flush toilets offered in new construction. Six DFTs were installed this year through this program, but are not included in the totals above.

17. Describe your agency's ULFT, HET, and/or Dual-Flush Toilet programs for multi-family residences.

Participating MF customers are offered a voucher redeemable for up to $75 off the purchase price of all the 3.5+ gallon per flush toilets in the multi-family complex. A $95 voucher was available for the installation of dual-flush toilets in MF residences. New MF residences could apply for the $70 voucher available for installing DFTs in new construction.

18. Is a toilet retrofit on resale ordinance in effect for your service area? no

19. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

B. Residential ULFT Program Expenditures

1. Estimated cost per ULFT/HET replacement: 24.41

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

As noted above, the District has offered an incentive to encourage developers and builders to install dual flush toilets in new contruction. This fiscal year, 6 DFTs were installed through this program but are not counted in the program totals.

AGENDA ITEM 4

San Diego County Water Authority

4677 Overland Avenue
San Diego, California 92123

FORMAL BOARD OF DIRECTORS' MEETING

The mission of the San Diego County Water Authority is to provide a safe and reliable supply of water to its member agencies serving the San Diego region.

November 30, 2006

3:00 p.m.

1. Call to Order.

2. Salute to the flag.

3. Roll call, determination of quorum.
   3-A Report on proxies received.

4. Additions to Agenda (Gov. code Sec. 54954.2(b)).

5. Approve the minutes of the SCOOP Committee meeting of October 12, 2006, the Formal Board of Directors' meeting of October 26, 2006, and the minutes from the Board of Directors retreat November 2, 2006.

6. Opportunity for members of the public who wish to address the Board on matters within the Board's jurisdiction.

7. PRESENTATIONS & PUBLIC HEARINGS
   7-A Presentation to outgoing Chairman.
   7-B Director service award to Greg Quist.
   7-C Recognition of Maria Silva, employee of the 1st quarter.
   7-D Presentation by Timothy F. Brick, Metropolitan Water District.

8. REPORTS BY CHAIRS
   8-A Chairman's Report – Chairman Bond.
   8-B MWD Delegate appointment. Confirmation of appointment of representative to the Metropolitan Water District Board of Directors.

8-C Report by Committee Chairs

Administrative and Finance Committee	Director Dixon
Imported Water Committee	Director Muir
Engineering and Operations Committee	Director Knutson
Water Planning Committee	Director Saunders
Legislation, Conservation and Outreach Committee	Director Steiner

9. CONSENT CALENDAR

9- 1. Treasurer's report.
Note and file monthly Treasurer's report.

9- 2. Adopt the Vote Entitlement Resolution for Calendar Year 2007.
Adopt Resolution No. 2006-____ establishing vote and representative entitlements of each member agency to be effective January 1, 2007.

9- 3. Establish 2007 Board meeting dates.
Combine the November and December Board meeting dates to December 6, 2007, and approve the 2007 Board meeting dates calendar.

9- 4. Accept Comprehensive Annual Financial Report for the fiscal year ended June 30, 2006.
Receive and file the Comprehensive Annual Financial Report for fiscal year ended June 30, 2006.

9- 5. Adopt Annual Statement of Investment Policy, as amended, and continue to delegate authority to the Treasurer to invest Water Authority funds for calendar year 2007.
Adopt the Annual Statement of Investment Policy, as amended, and continue to delegate authority to the Treasurer to invest Water Authority funds for calendar year 2007.

9- 6. Professional services contract with RW Beck for imported water power analysis.
Award a professional services contract to RW Beck for a not-to-exceed amount of $60,000 to determine the amount and cost of electric power needed by the Metropolitan Water District of Southern California (MWD) to import and deliver water from the Colorado River Aqueduct (CRA) and State Water Project (SWP).

9- 7. Professional Services Contract amendment for staff support to develop local and out-of-region groundwater conjunctive use programs.
Authorize the General Manager to amend a professional services contract with Malcolm Pirnie, Inc., by $144,140 for a total amount not-to-exceed $193,154.

9- 8. Sale of Aqueduct Right of Way to Caltrans for State Route 125.
Accept Caltrans' offer to purchase a portion of the fee-owned Second Aqueduct for Caltrans' State Route 125 for $73,905 subject to a reserved exclusive easement for Water Authority purposes.

9- 9. Quitclaim Water Authority easement on Assessor's Parcel Number 127-290-12-00.
Quitclaim a portion of San Diego County Water Authority easement on APN 127-290-12-00, located at 32050 Aqueduct Road, Bonsall, California, to property owners Rudolfo and Virginia Correa.

9-10. Agreement with Otay Water District for design, construction, operation and maintenance of Otay 14 Flow Control Facility modifications.
Authorize the General Manager to sign an agreement with Otay Water District for the Otay 14 Flow Control Facility modifications.

9-11. Grant of easement to San Diego Gas & Electric (SDG&E) for power services to the Rancho Peñasquitos Pressure Control/ Hydroelectric facility.
Authorize the General Manager to execute the Grant of Easement to SDG&E.

9-12. Adopt Ordinance amending Chapter 2.04, Section 2.040.050(e) of the Administrative Code relating to General Manager authority and duties during emergencies.
Adopt Ordinance No. 2006-___, an Ordinance of the San Diego County Water Authority Board of Directors amending Chapter 2.04, Section 2.04.050(e) of the Administrative Code relating to authority and duties of the General Manager during emergencies.

9-13. Award a construction contract for the San Vicente Pumping Facilities to Kiewit Pacific Co.
Award a construction contract to Kiewit Pacific Co., in the amount of $65,237,000 for the San Vicente Pumping Facilities project; increase the San Vicente Pumping Facilities project budget by $27,225,000; and move the San Vicente Surge Control Facility budget of $30,102,000 and existing expenditures from the San Vicente Pipeline Aqueduct and Interconnect project to the San Vicente Pumping Facilities project; transfer $1,964,000 from the ESP San Vicente Dam Raise project, for the dam raise access road to be built adjacent to the surge tank, to the San Vicente Pumping Facilities project.

9-14. Amend two professional services contracts for the San Vicente Pumping Facilities project.
Accept amendments one and two in the amount of $37,000, and approve amendment three to Parsons Brinckerhoff, Quade & Douglas, Inc., in the amount of $952,000, to extend the duration of construction management services and provide additional inspection and testing services, increasing the total contract amount from $7,200,000 to $8,189,000. Accept amendments one through four in the amount of $108,350 and approve amendment five to Black & Veatch Corporation, in the amount of $862,000, to provide additional design and construction support services, and computer control system programming, increasing the total contract amount from $6,000,000 to $6,970,350.

9-15. Principles of Understanding for San Diego 17 Pump Station and Flow Control Facility Agreement.
Authorize the General Manager to sign the proposed Principles of Understanding for San Diego 17 Pump Station and Flow Control Facility and direct staff to begin negotiations on the final agreement with the city of San Diego and Otay Water District.

9-16. Adopt Resolution certifying the Final Supplemental Environmental Impact Report for the Emergency Storage Project - Lake Hodges Pump Station; adopting Environmental Findings of Fact and Statement of Overriding Considerations; and a mitigation monitoring and reporting program; and authorizing filing of a Notice of Determination.
Adopt Resolution No. 2006-____ that certifies that the Final SEIR has been completed in compliance with the California Environmental Quality Act (CEQA) and State CEQA Guidelines, and reflects the independent judgment of the Board; and adopts CEQA Findings of Fact and Statement of Overriding Considerations, and a minor modification to the Mitigation Monitoring Program; and authorizes the filing of a Notice of Determination.

9-17. Revisions to the Reclaimed Water Development Fund Program and recommendations from the Member Agency Local Projects Ad Hoc Committee.

Adopt revisions to the Reclaimed Water Development Fund (RWDF) Program as follows:

1. Change the program name to the Local Water Supply Development Program (LWSDP);
2. Increase the maximum incentive level for eligible projects from the current $147/AF of recycled water beneficially reused to $200/AF and make the necessary budgetary modifications;
3. Existing projects demonstrating a financial need for Water Authority incentives for a period of more than five years will be eligible to increase their incentive level to $200/AF;
4. Amend existing eligible RWDF project agreements to reflect the maximum $200/AF incentive increase and revise (if warranted) the contractual allowable project yield totals after consultation with agency staff as follows:
   a. After initial consultation between the Water Authority and the contracting agency, determine if the maximum yield allowed under the existing contract is consistent with 2030 UWMP projections and adjust accordingly;
   b. After five years from the date of the execution of the amendment, require a consultation between the Water Authority and the contracting agency to determine if the project has reached its maximum contract yield or its 2010 UWMP goal, or what specific plans have been made to attain that goal. Adjust contract yield accordingly;
5. Require any new recycled water project applying for Water Authority incentives to be subject to the guidelines of the Local Water Supply Development Program; and
6. Expand eligibility for RWDF incentives to projects engaged in brackish groundwater recovery. Direct staff to work with the interested member agencies on developing terms for eligibility, definition of financial need, and other program guidelines specific to brackish groundwater recovery projects.

9-18. Approve amendment to the professional services contract with RBF Consulting (RBF), for the San Onofre Desalination Feasibility Study.
Authorize execution of amendment to the contract with RBF Consulting, for a revised scope of work for the San Onofre Desalination Feasibility Study.

9-19. Authorize the submittal of the biennial report on the implementation of the Best Management Practices to the California Urban Water Conservation Council.
Authorize the submittal of the biennial report on the implementation of the Best Management Practices to the California Urban Water Conservation Council.

9-20. Approve a water efficient landscape refurbishment project for Kearny Mesa headquarters building.
Approve the allocation of conservation funds in an amount not-to-exceed $150,000 to refurbish the existing landscaping of the Kearny Mesa headquarters building to demonstrate and promote outdoor water conservation.

9-21. Adopt proposed 2007 Legislative Policy Guidelines.
Adopt proposed 2007 Legislative Policy Guidelines.

9-22. Authorize 2007 Water Authority sponsor legislation.
Sponsor legislation to clarify references in water meter statutes regarding volumetric pricing and amend the Urban Water Management Planning Act to extend the planning horizon from the current 20-year period to 25 years.

9-23. Board endorsement of the Water Conservation Summit White Paper and staff preparation of a Strategic Plan for Conservation.
Endorse the White Paper as a basis for a strategic plan for water conservation; and support Water Authority as a lead agency for implementation of White Paper recommendations; and direct staff to return to the Board within 90 days for approval of a comprehensive strategic plan for water conservation.

10. ACTION / DISCUSSION

10-1. Election of new Board Officers.

11. CLOSED SESSION(S)

11-A Conference with Legal Counsel - Existing Litigation
Government Code §54956.9(a)

i. IID Water Transfer Contract Arbitration

ii. CDEM, et al. v. United States, et al.; US Court of Appeals Docket No. 06-16345

iii. Protect Our Water and Environment Rights, Jimmie Abatti, et al. v. IID, et al.; Case No. ICSC No. ECU03248

11-B CLOSED SESSION:
Conference with Real Property Negotiator
Government Code §54956.8
Property: La Mesa Sweetwater Extension Pipeline
APN 377-080-15 & 16
Agency Negotiators: Daniel S. Hentschke, William J. Rose, William Busch, Tad Brierton
Negotiating Parties: Ramon & Rosario Minez, Husband and Wife
Under Negotiation: Price and terms of acquisition

11-C CLOSED SESSION:
Conference with Real Property Negotiator
Government Code §54956.8
Property: La Mesa Sweetwater Extension Pipeline
APN 377-080-17
Agency Negotiators: Daniel S. Hentschke, William J. Rose, William Busch, Tad Brierton
Negotiating Parties: Lawrence E. Heaton, Surviving Trustee of the Lawrence E. and Hazel L. Heaton Living Trust, dated November 27, 1999
Under Negotiation: Price and terms of acquisition

11-D CLOSED SESSION:
Conference with Legal Counsel – Existing Litigation
Government Code §54956.9(a)
Name of Case: San Diego County Water Authority v. Luke Mardesich, et al.; SDSC Case No. GIN 042154-1

12. SPECIAL REPORTS
- 12-A GENERAL MANAGER'S REPORT – Ms. Stapleton
- 12-B GENERAL COUNSEL'S REPORT – Mr. Hentschke
- 12-C ACWA-JPIA REPORT – Director Knutson
- 12-D SANDAG REPORT – Director Dailey
  SANDAG Subcommittee: Borders/Regional Planning Committee – Director Williams
- 12-E AB 1234 Compliance Reports – Directors

13. OTHER COMMUNICATIONS

14. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: The agendas for the Formal Board meeting and the meetings of the Standing Committees held on the day of the regular Board meeting are considered a single agenda. All information or possible action items on the agenda of committees or the Board may be deliberated by and become subject to consideration and action by the Board.

San Diego County Water Authority

MEETING SCHEDULE

November 30, 2006

MORNING SESSION	**9:00 a.m. to 12:00 p.m.**
Administrative and Finance	Estimated time: 45 minutes
Imported Water	Estimated time: 1 hour 10 minutes
Engineering and Operations	Estimated time: 1 hour 5 minutes
LUNCHEON FOR DIRECTORS	**12:00 p.m. – 1:00 p.m.**
AFTERNOON SESSION	**1:00 p.m. – 3:00 p.m.**
Water Planning	Estimated time: 1 hour 10 minutes
Legislation, Conservation and Outreach	Estimated time: 50 minutes
FORMAL BOARD MEETING	**3:00 p.m.**

* Time estimates are for convenience only and do not constitute part of the schedule. The first morning session will commence at 9:00 a.m., and the following morning sessions may start at any time after 9:00 a.m. The first afternoon session will commence at 1:00 p.m., and the following afternoon sessions may start at any time after 1:00 p.m. The Board meeting will start no earlier than 3:00 p.m., or following the conclusion of the last committee meeting.

San Diego County Water Authority

ADMINISTRATIVE AND FINANCE COMMITTEE

AGENDA FOR

NOVEMBER 30, 2006

Jesse Dixon, Chair	Mark Muir
Marilyn Dailey, Vice Chair	Joseph Parker
Yen Tu, Vice Chair	Hershell Price
Jim Bowersox	Pam Slater-Price
Tom Brammell	Fern Steiner
John Johnson	Mark Watton
Bill Knutson	Howard Williams

1. Roll call – determination of quorum.

2. Additions to agenda (Government Code Section 54954.2(b)).

3. Public comment – opportunities for members of the public to address the Committee on matters within the Committee's jurisdiction.

4. Chair's report.
   - 4-A Directors' comments.
   - 4-B Final report on Administrative and Finance Committee goals and objectives for 2005 and 2006.

I. CONSENT CALENDAR

1. Treasurer's report. — Delin
   Staff recommendation: Note and file monthly Treasurer's report. (Action)

2. Adopt the Vote Entitlement Resolution for Calendar Year 2007. — Sandler
   Staff recommendation: Adopt Resolution No. 2006-____ establishing vote and representative entitlements of each member agency to be effective January 1, 2007. (Action)

3. Establish 2007 Board meeting dates. — Lore
   Staff recommendation: Combine the November and December Board meeting dates to December 6, 2007, and approve the 2007 Board meeting dates calendar. (Action)

San Diego County Water Authority

II. ACTION/DISCUSSION

1. Financial Management.

1-A Presentation on Commercial paper issuance/credit rating agency update. — Brust

1-B Accept Comprehensive Annual Financial Report for the fiscal year ended June 30, 2006. — Wade
Staff recommendation: Receive and file the Comprehensive Annual Financial Report for fiscal year ended June 30, 2006. (Action)

1-C Adopt Annual Statement of Investment Policy, as amended, and continue to delegate authority to the Treasurer to invest Water Authority funds for calendar year 2007. — Cirello
Staff recommendation: Adopt the Annual Statement of Investment Policy, as amended, and continue to delegate authority to the Treasurer to invest Water Authority funds for calendar year 2007. (Action)

III. INFORMATION

1. Annual report on fund balances for fiscal year 2005-2006 and the 45-day Operating Fund policy. — Brust

2. Interim adjustment of calendar year 2007 System Capacity Charge and deferral of recalculation of the Annexation Fee. — Weinberg

3. Controller's report on monthly financial statements. — Wade

4. Board calendar.

IV. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: This meeting is called as an Administrative and Finance Committee meeting. Because a quorum of the Board may be present, the meeting is also noticed as a Board meeting. Members of the Board who are not members of the Committee may participate in the meeting pursuant to Section 2.00.060(g) of the Authority Administrative Code (Recodified). All items on the agenda, including information items, may be deliberated and become subject to action.

San Diego County Water Authority

IMPORTED WATER COMMITTEE

AGENDA FOR

NOVEMBER 30, 2006

Mark Muir, Chair
Barry Martin, Vice Chair
Javier Saunders, Vice Chair
Gary Arant
Jim Bond
Jim Bowersox
Bud Lewis
John Linden
Joseph Parker
Bud Pocklington
Greg Quist
Pam Slater-Price
Tom Wornham

1. Roll call – determination of quorum.

2. Additions to agenda (Government Code Section 54954.2(b)).

3. Public comment – opportunities for members of the public to address the Committee on matters within the Committee's jurisdiction.

4. Chair's report.
   - 4-A Directors' comments.
   - 4-B Final report on Imported Water Committee goals and objectives for 2005 and 2006.

I. CONSENT CALENDAR

1. Professional services contract with RW Beck for imported water power analysis. — Razak

   Staff recommendation: Award a professional services contract to RW Beck for a not-to-exceed amount of $60,000 to determine the amount and cost of electric power needed by the Metropolitan Water District of Southern California (MWD) to import and deliver water from the Colorado River Aqueduct (CRA) and State Water Project (SWP). (Action)

San Diego County Water Authority

II. ACTION/DISCUSSION

1. Professional Services Contract amendment for staff support to develop local and out-of-region groundwater conjunctive use programs. — Chen
   Staff recommendation: Authorize the General Manager to amend a professional services contract with Malcolm Pirnie, Inc., by $144,140 for a total amount not-to-exceed $193,154. (Action)

2. MWD Issues and Activities update.
   2-A MWD Delegates report. (pickup packet)

3. Colorado River.
   3-A Colorado River report. (pickup packet) — Chair Bond

4. Quantification Settlement Agreement.
   4-A QSA Ad-Hoc Committee report. — Watton

   4-B CLOSED SESSION: — Hentschke
   Conference with Legal Counsel - Existing Litigation
   Government Code §54956.9(a)
   i. IID Water Transfer Contract Arbitration
   ii. CDEM, et al. v. United States, et al.; US Court of Appeals Docket No. 06-16345
   iii. Protect Our Water and Environment Rights, Jimmie Abatti, et al. v. IID, et al.; Case No. ICSC No. ECU03248
   iv. Coachella Canal Lining Contract Arbitration

III. INFORMATION

1. Imported Water activities report. — Hess

IV. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: This meeting is called as an Imported Water Committee meeting. Because a quorum of the Board may be present, the meeting is also noticed as a Board meeting. Members of the Board who are not members of the Committee may participate in the meeting pursuant to Section 2.00.060(g) of the Authority Administrative Code (Recodified). All items on the agenda, including information items, may be deliberated and become subject to action.

San Diego County Water Authority

ENGINEERING AND OPERATIONS COMMITTEE

AGENDA FOR

NOVEMBER 30, 2006

Bill Knutson, Chair	Jim Lewanski
Betty Ferguson, Vice Chair	Keith Lewinger
John Johnson, Vice Chair	Ron Morrison
Gary Arant	Rua Petty
Jim Barrett	Ed Rogers
Tom Brammell	Fred Thompson
Gary Croucher	Yen Tu

1. Roll call – Determination of quorum.

2. Additions to agenda (Government Code Section 54954.2(b)).

3. Public comment – opportunities for members of the public to address the Committee on matters within the Committee's jurisdiction.

4. Chair's report.
   - 4-A Directors' comments.
   - 4-B Final report on Engineering and Operations Committee goals and objectives for 2005 and 2006.
   - 4-C Construction Costs Ad Hoc Committee final report. (Will be mailed under separate cover.)

I. CONSENT CALENDAR

1. Sale of Aqueduct Right of Way to Caltrans for State Route 125. — Brierton
   Staff recommendation: Accept Caltrans' offer to purchase a portion of the fee-owned Second Aqueduct for Caltrans' State Route 125 for $73,905 subject to a reserved exclusive easement for Water Authority purposes. (Action)

2. Quitclaim Water Authority easement on Assessor's Parcel Number 127-290-12-00. — Brierton
   Staff recommendation: Quitclaim a portion of San Diego County Water Authority easement on APN 127-290-12-00, located at 32050 Aqueduct Road, Bonsall, California, to property owners Rudolfo and Virginia Correa. (Action)

San Diego County Water Authority

3. Agreement with Otay Water District for design, construction, operation and maintenance of Otay 14 Flow Control Facility modifications. — Galleher
Staff recommendation: Authorize the General Manager to sign an agreement with Otay Water District for the Otay 14 Flow Control Facility modifications. (Action)

4. Grant of easement to San Diego Gas & Electric (SDG&E) for power services to the Rancho Peñasquitos Pressure Control/ Hydroelectric facility. — Flanagan
Staff recommendation: Authorize the General Manager to execute the Grant of Easement to SDG&E. (Action)

5. Adopt Ordinance amending Chapter 2.04, Section 2.040.050(e) of the Administrative Code relating to General Manager authority and duties during emergencies. — Gallien
Staff recommendation: Adopt Ordinance No. 2006-___, an Ordinance of the San Diego County Water Authority Board of Directors amending Chapter 2.04, Section 2.04.050(e) of the Administrative Code relating to authority and duties of the General Manager during emergencies. (Action)

II. ACTION/DISCUSSION

1. San Vicente Pumping Facilities project. — Kavanagh

1-A Award a construction contract for the San Vicente Pumping Facilities to Kiewit Pacific Co.
Staff recommendation: Award a construction contract to Kiewit Pacific Co., in the amount of $65,237,000 for the San Vicente Pumping Facilities project; increase the San Vicente Pumping Facilities project budget by $27,225,000; and move the San Vicente Surge Control Facility budget of $30,102,000 and existing expenditures from the San Vicente Pipeline Aqueduct and Interconnect project to the San Vicente Pumping Facilities project; transfer $1,964,000 from the ESP San Vicente Dam Raise project, for the dam raise access road to be built adjacent to the surge tank, to the San Vicente Pumping Facilities project. (Action)

1-B Amend two professional services contracts for the San Vicente Pumping Facilities project.
Staff recommendation: Amend the following professional services contracts for the San Vicente Pumping Facilities project:

a. Accept amendments one and two in the amount of $37,000, and approve amendment three to Parsons Brinckerhoff, Quade & Douglas, Inc., in the amount of $952,000, to extend the duration of construction management services and provide additional inspection and testing services, increasing the total contract amount from $7,200,000 to $8,189,000.

b. Accept amendments one through four in the amount of $108,350, and approve amendment five to Black & Veatch Corporation, in the amount of $862,000, to provide additional design and construction support services, and computer control system programming, increasing the total contract amount from $6,000,000 to $6,970,350. (Action)

2. CLOSED SESSION: Hentschke
Conference with Real Property Negotiator
Government Code §54956.8
Property: La Mesa Sweetwater Extension Pipeline
APN 377-080-15 & 16
Agency Negotiators: Daniel S. Hentschke, William J. Rose, William Busch, Tad Brierton
Negotiating Parties: Ramon & Rosario Minez, Husband and Wife
Under Negotiation: Price and terms of acquisition

3. CLOSED SESSION: Hentschke
Conference with Real Property Negotiator
Government Code §54956.8
Property: La Mesa Sweetwater Extension Pipeline
APN 377-080-17
Agency Negotiators: Daniel S. Hentschke, William J. Rose, William Busch, Tad Brierton
Negotiating Parties: Lawrence E. Heaton, Surviving Trustee of the Lawrence E. and Hazel L. Heaton Living Trust, dated November 27, 1999
Under Negotiation: Price and terms of acquisition

San Diego County Water Authority

4. CLOSED SESSION: Hentschke
Conference with Legal Counsel – Existing Litigation
Government Code §54956.9(a)
Name of Case: San Diego County Water Authority v. Luke Mardesich, et al.; SDSC Case No. GIN 042154-1

III. INFORMATION

IV. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: This meeting is called as an Engineering & Operations Committee meeting. Because a quorum of the Board may be present, the meeting is also noticed as a Board meeting. Members of the Board who are not members of the Committee may participate in the meeting pursuant to Section 2.00.060(g) of the Authority Administrative Code (Recodified). All items on the agenda, including information items, may be deliberated and become subject to action

San Diego County Water Authority

WATER PLANNING COMMITTEE

AGENDA FOR

NOVEMBER 30, 2006

Javier Saunders, Chair
Keith Lewinger, Vice Chair
Mark Watton, Vice Chair
Jim Barrett
Jesse Dixon
Michael Hogan
John Linden
Barry Martin
Rua Petty
Bud Pocklington
Greg Quist
Ed Rogers

1. Roll call – determination of quorum.

2. Additions to agenda (Government Code Section 54954.2(b)).

3. Public comment – opportunities for members of the public to address the Committee on matters within the Committee's jurisdiction.

4. Chair's report.
   4-A Directors' comments.
   4-B Final report on Water Planning Committee goals and objectives for 2005 and 2006.

I. CONSENT CALENDAR

1. Principles of Understanding for San Diego 17 Pump Station and Flow Control Facility Agreement. — Weinberg
   Staff recommendation: Authorize the General Manager to sign the proposed Principles of Understanding for San Diego 17 Pump Station and Flow Control Facility and direct staff to begin negotiations on the final agreement with the city of San Diego and Otay Water District.
   (Action)

San Diego County Water Authority

II. ACTION/DISCUSSION

1. Adopt Resolution certifying the Final Supplemental Environmental Impact Report for the Emergency Storage Project - Lake Hodges Pump Station; adopting Environmental Findings of Fact and Statement of Overriding Considerations; and a mitigation monitoring and reporting program; and authorizing filing of a Notice of Determination. — Purcell

   Staff recommendation: Adopt Resolution No. 2006-____ that certifies that the Final SEIR has been completed in compliance with the California Environmental Quality Act (CEQA) and State CEQA Guidelines, and reflects the independent judgment of the Board; and adopts CEQA Findings of Fact and Statement of Overriding Considerations, and a minor modification to the Mitigation Monitoring Program; and authorizes the filing of a Notice of Determination. (Action)

2. Local Supplies. — Roy/Mariscal

   2-A Revisions to the Reclaimed Water Development Fund Program and recommendations from the Member Agency Local Projects Ad Hoc Committee.

   Staff recommendation: Adopt revisions to the Reclaimed Water Development Fund (RWDF) Program as follows:

   1. Change the program name to the Local Water Supply Development Program (LWSDP);
   2. Increase the maximum incentive level for eligible projects from the current $147/AF of recycled water beneficially reused to $200/AF and make the necessary budgetary modifications;
   3. Existing projects demonstrating a financial need for Water Authority incentives for a period of more than five years will be eligible to increase their incentive level to $200/AF;

4. Amend existing eligible RWDF project agreements to reflect the maximum $200/AF incentive increase and revise (if warranted) the contractual allowable project yield totals after consultation with agency staff as follows:
   a. After initial consultation between the Water Authority and the contracting agency, determine if the maximum yield allowed under the existing contract is consistent with 2030 UWMP projections and adjust accordingly;
   b. After five years from the date of the execution of the amendment, require a consultation between the Water Authority and the contracting agency to determine if the project has reached its maximum contract yield or its 2010 UWMP goal, or what specific plans have been made to attain that goal. Adjust contract yield accordingly;
5. Require any new recycled water project applying for Water Authority incentives to be subject to the guidelines of the Local Water Supply Development Program; and
6. Expand eligibility for RWDF incentives to projects engaged in brackish groundwater recovery. Direct staff to work with the interested member agencies on developing terms for eligibility, definition of financial need, and other program guidelines specific to brackish groundwater recovery projects. (Action)

2-B Final report on the Regional Recycled Water Study – Phase II. (Information) — Mariscal

3. Approve amendment to the professional services contract with RBF Consulting (RBF), for the San Onofre Desalination Feasibility Study. — Yamada

Staff recommendation: Authorize execution of amendment to the contract with RBF Consulting, for a revised scope of work for the San Onofre Desalination Feasibility Study.
(Action)

San Diego County Water Authority

III. INFORMATION

1. Status report on terms and conditions for Lakeside Water District to become a separate unit of the Water Authority. — Friehauf

2. Water Resources report. — Weinberg

IV. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: This meeting is called as a Water Planning Committee meeting. Because a quorum of the Board may be present, the meeting is also noticed as a Board meeting. Members of the Board who are not members of the Committee may participate in the meeting pursuant to Section 2.00.060(g) of the Authority Administrative Code (Recodified). All items on the agenda, including information items, may be deliberated and become subject to action.

San Diego County Water Authority

LEGISLATION, CONSERVATION AND OUTREACH COMMITTEE

AGENDA FOR

NOVEMBER 30, 2006

Fern Steiner, Chair
Gary Croucher, Vice Chair
Howard Williams, Vice Chair
Jim Bond
Marilyn Dailey
Betty Ferguson
Michael Hogan
Jim Lewanski
Bud Lewis
Ron Morrison
Hershell Price
Fred Thompson
Tom Wornham

1. Roll call – determination of quorum.

2. Additions to agenda (Government Code Section 54954.2(b)).

3. Public comment – opportunities for members of the public to address the Committee on matters within the Committee's jurisdiction.

4. Chair's report.
   - 4-A Directors' comments.
   - 4-B Final report in Legislation, Conservation and Outreach Committee goals and objectives for 2005 and 2006.
   - 4-C General Manager meeting guidelines.

I. CONSENT CALENDAR

1. Authorize the submittal of the biennial report on the implementation of the Best Management Practices to the California Urban Water Conservation Council. — Roy/Smutko
   Staff recommendation: Authorize the submittal of the biennial report on the implementation of the Best Management Practices to the California Urban Water Conservation Council. (Action).

2. Approve a water efficient landscape refurbishment project for Kearny Mesa headquarters building. — Ellison
Staff recommendation: Approve the allocation of conservation funds in an amount not-to-exceed $150,000 to refurbish the existing landscaping of the Kearny Mesa headquarters building to demonstrate and promote outdoor water conservation. (Action)

II. ACTION/DISCUSSION

1. Legislative Issues.

1-A Report by Carpi and Clay. (pick up packet)

1-B Adopt proposed 2007 Legislative Policy Guidelines. — Jacoby
Staff recommendation: Adopt proposed 2007 Legislative Policy Guidelines. (Action)

1-C Authorize 2007 Water Authority sponsor legislation. — Jacoby
Staff recommendation: Sponsor legislation to clarify references in water meter statutes regarding volumetric pricing and amend the Urban Water Management Planning Act to extend the planning horizon from the current 20-year period to 25 years. (Action)

2. Water Conservation Strategic Vision. — Weston

2-A Board endorsement of the Water Conservation Summit White Paper and staff preparation of a Strategic Plan for Conservation. — Roy
Staff recommendation:

a. Endorse the White Paper as a basis for a strategic plan for water conservation; and
b. Support Water Authority as a lead agency for implementation of White Paper recommendations; and
c. Direct staff to return to the Board within 90 days for approval of a comprehensive strategic plan for water conservation. (Action)

San Diego County Water Authority

III. INFORMATION

1.	SCOOP quarterly report.	Yanushka
2.	Water Conservation Garden report.	Eberhardt
3.	Outreach activities for the month of October.	Jacoby

IV. ADJOURNMENT

Doria F. Lore
Clerk of the Board

NOTE: This meeting is called as a Legislation, Conservation, and Outreach Committee meeting. Because a quorum of the Board may be present, the meeting is also noticed as a Board meeting. Members of the Board who are not members of the Committee may participate in the meeting pursuant to Section 2.00.060(g) of the Authority Administrative Code (Recodified). All items on the agenda, including information items, may be deliberated and become subject to action.