

9.2 Appendix B: BMP Activity Reports

A. Number of RESIDENTIAL Water Use Surveys by Year						
Year	No. Single-Family Surveys		No. Multi-Family Surveys			
1991						
1992						
1993						
1994		0			0	
1995		0			0	
1996		0			0	
1997		269			0	
1998		281			0	
Total		550			0	

B. Number of LANDSCAPE Surveys Completed by Year		
Year	Surveys Receiving Follow-up	Surveys Not Receiving Follow-up
1991		
1992		
1993		
1994	0	0
1995	0	0
1996	0	0
1997	0	0
1998	0	0
Total	0	0

C. Number of CII Surveys Completed by Year						
Year	Commercial		Industrial		Institutional	
	Follow-Up	No Follow-Up	Follow-Up	No Follow-Up	Follow-Up	No Follow-Up
1991						
1992						
1993						
1994	0	0	0	0	0	0
1995	0	0	0	0	0	0
1996	2	0	0	0	0	4
1997	0	0	0	0	0	0
1998	0	0	0	0	0	0
Total	2	0	0	0	0	4

D. Estimated WATER SAVINGS (AF/Yr) from CII Programs by Year		
Year	Site Verified	Site Not Verified
1991		
1992		
1993		
1994	0	0
1995	0	0
1996	0	14.7
1997	0	0
1998	0	0
Total	0	14

E. (Part I) Historical CII Ultra-Low-Flush Toilet Installations by CII Sector by Year							
Year	Auto	Food	Health	Hotel	Manuf'g	Membership	Multi-Use
1991							
1992							
1993							
1994	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

E. (Part II) Historical CII Ultra-Low-Flush Toilet Installations by CII Sector by Year							
Year	Office	Religious	Restaurant	Retail	School	Wholesale	Unknown
1991							
1992							
1993							
1994	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

F. Number of Residential ULFT Rebates / Installations by Year:		
Year	Single-Family	Multi-Family
1991		
1992		
1993		
1994	273	3
1995	562	331
1996	483	28
1997	391	287
1998	310	579
Total	2019	1228

9.3 Appendix C: BMP Coverage Reports

BMP 01 Coverage: Water Survey Programs for Single-Family and Multi-Family Residential Customers	
Reporting Unit: El Toro Water District	
MOU Exhibit 1 Coverage Requirement	
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

Latest El Toro Water District to Implement Targeting/Marketing Program:	1999		
		<u>Single-Family</u>	<u>Multi-Family</u>
Year El Toro Water District Reported Implementing Targeting/Marketing Program:	1997		
El Toro Water District Met Targeting/Marketing Coverage Requirement:	YES		NO

Test for Condition 2

Latest Year Survey Program to Start:	1998	Residential Survey Offers (%)		
Reporting Period:	03-04	Survey Offers \geq 20%	NO	NO

Test for Condition 3

	Completed Residential Surveys	
	<u>Single Family</u>	<u>Multi-Family</u>
Total Completed Surveys through 2004	633	
Credit for Surveys Completed Prior to Implementation of Reporting Database	550	
Total + Credit	1,183	
Residential Accounts in Base Year	5,675	2,610
El Toro Water District Survey Coverage as % of Base Year Residential Accounts	20.85%	
Coverage Requirement by Year 7 of Implementation per Exhibit 1	7.90%	7.90%
El Toro Water District on Schedule to Meet 10-Year Coverage Requirement	YES	NO

BMP 02 Coverage: Residential Plumbing Retrofit	
Reporting Unit: El Toro 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 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

<u>Report Year</u>	<u>Report Period</u>	<u>Single-Family</u>		<u>Multi-Family</u>	
		<u>Reported Saturation</u>	<u>Saturation ≥ 75%?</u>	<u>Reported Saturation</u>	<u>Saturation ≥ 75%?</u>
1999	99-00	60.00%	NO	65.00%	NO
2000	99-00	60.00%	NO	65.00%	NO
2001	01-02	68.00%	NO	60.00%	NO
2002	01-02	68.00%	NO	60.00%	NO
2003	03-04	91.70%	YES	79.90%	YES
2004	03-04	100.00%	YES	86.60%	YES

Test for Condition 2

<u>Report Year</u>	<u>Report Period</u>	<u>El Toro Water District has ordinance requiring showerhead retrofit?</u>
1999	99-00	NO
2000	99-00	NO
2001	01-02	NO
2002	01-02	NO
2003	03-04	NO
2004	03-04	NO

Test for Condition 3

Reporting Period: 03-04

<u>1992 SF Accounts</u>	<u>Num. Showerheads Distributed to SF Accounts</u>	<u>Single-Family Coverage Ratio</u>	<u>SF Coverage Ratio > 10%</u>
7,664	700	9.1%	NO
<u>1992 MF Accounts</u>	<u>Num. Showerheads Distributed to MF Accounts</u>	<u>Multi-Family Coverage Ratio</u>	<u>MF Coverage Ratio > 10%</u>
16,879			NO

BMP 03 Coverage: System Water Audits, Leak Detection and Repair	
Reporting Unit: El Toro 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

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO			NO
2000	99-00	NO			NO
2001	01-02	NO			NO
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	YES	97.6%	No	NO

BMP 04 Coverage: Metering with Commodity Rates for all New Connections and Retrofit of Existing	
Reporting Unit: El Toro Water District	
MOU Exhibit 1 Coverage Requirement	
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 2004	
No. of Unmetered Accounts in Base Year	
Meter Retrofit Coverage as % of Base Year Unmetered Accounts	
Coverage Requirement by Year 6 of Implementation per Exhibit 1	42.0%
RU on Schedule to meet 10 Year Coverage Requirement	YES

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives	
Reporting Unit: El Toro 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 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

<u>Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>No. of Irrigation Meter Accounts</u>	<u>No. of Irrigation Accounts with Budgets</u>	<u>Budget Coverage Ratio</u>	<u>90% Coverage Met by Year 4</u>
1999	99-00	1	871			NA
2000	99-00	2	871			NA
2001	01-02	3	878			NA
2002	01-02	4	878			No
2003	03-04	5	852	82	9.6%	No
2004	03-04	6	838	79	9.4%	No

Test for Condition 2a (survey offers)

Select Reporting Period:	03-04
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

Credit for Surveys Completed Prior to
Implementation of Reporting Database

Total + Credit

CII Accounts in Base Year 788

RU Survey Coverage as a % of Base Year
CII Accounts

Coverage Requirement by Year of
Implementation per Exhibit 1 6.3%

RU on Schedule to Meet 10 Year Coverage
Requirement NO

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

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 5 Implementation Year</u>	<u>Agency has mix-use budget program</u>	<u>No. of mixed-use budgets</u>
1999	99-00	1	NO	
2000	99-00	2	YES	
2001	01-02	3	NO	
2002	01-02	4	NO	
2003	03-04	5	YES	1
2004	03-04	6	YES	1

<u>Report Year</u>	<u>Report Period</u>	<u>BMP 4 Implementation Year</u>	<u>No. of mixed use CII accounts</u>	<u>No. of mixed use CII accounts fitted with irrig. meters</u>
1999	99-00	1	125	1
2000	99-00	2	125	
2001	01-02	3	125	
2002	01-02	4	125	
2003	03-04	5	125	
2004	03-04	6	125	

Test for Condition 3

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

<u>Report Year</u>	<u>Report Period</u>	<u>No. of Grants</u>	<u>Total Amt. Grants</u>	<u>No. of rebates</u>	<u>Total Amt. Rebates</u>
1999	99-00				
2000	99-00				
2001	01-02				
2002	01-02				
2003	03-04				
2004	03-04	1	3,211		

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs	
Reporting Unit: El Toro 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 condition to comply with BMP 6.

Condition 1: Offer a cost-effective financial incentive for high-efficiency washers if one or more energy service providers in service area offer financial incentives for high-efficiency washers.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>Rebate Offered by ESP?</u>	<u>Rebate Offered by RU?</u>	<u>Rebate Amount</u>
1999	99-00	1	YES	NO	110.00
2000	99-00	2	YES	NO	110.00
2001	01-02	3	YES	NO	
2002	01-02	4	YES	YES	100.00
2003	03-04	5	YES	YES	100.00
2004	03-04	6	YES	YES	100.00

<u>Year</u>	<u>Report Period</u>	<u>BMP 6 Implementation Year</u>	<u>No. Rebates Awarded</u>	<u>Coverage Met?</u>
1999	99-00	1		NO
2000	99-00	2		NO
2001	01-02	3		NO
2002	01-02	4	21	YES
2003	03-04	5	88	YES
2004	03-04	6	108	YES

BMP 07 Coverage: Public Information Programs	
Reporting Unit: El Toro 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 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

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 08 Coverage: School Education Programs	
Reporting Unit: El Toro 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 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

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 09 Coverage: Conservation Programs for CII Accounts	
Reporting Unit: El Toro 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 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

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Ranked Com. Use</u>	<u>Ranked Ind. Use</u>	<u>Ranked Inst. Use</u>
1999	99-00	1	YES	NO	YES
2000	99-00	2	YES	NO	YES
2001	01-02	3	YES	NO	YES
2002	01-02	4	YES	NO	YES
2003	03-04	5	YES	NO	YES
2004	03-04	6	YES	NO	YES

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2004			
Credit for Surveys Completed Prior to Implementation of Reporting Databases	2		2
Total + Credit	2		2
CII Accounts in Base Year	768		20
RU Survey Coverage as % of Base Year CII Accounts	0.3%		10.0%
Coverage Requirement by Year 6 of Implementation per Exhibit 1	4.2%	4.2%	4.2%
RU on Schedule to Meet 10 Year Coverage Requirement	NO	NO	YES

Test for Condition 2a

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	1			0.5%	NO
2000	99-00	2	2	0.2%	1.0%	NO
2001	01-02	3			1.7%	NO
2002	01-02	4			2.4%	NO
2003	03-04	5	2	0.2%	3.3%	NO
2004	03-04	6	4	0.3%	4.2%	NO

Test for Condition 2c

Total BMP 9 Surveys + Credit	4
BMP 9 Survey Coverage	0.5%
BMP 9 Performance Target Coverage	0.3%
BMP 9 Survey + Performance Target Coverage	0.8%
Combined Coverage Equals or Exceeds Coverage Requirement?	NO

Combined Coverage Equals or Exceeds Coverage Requirement?

BMP 11 Coverage: Conservation Pricing	
Reporting Unit: El Toro 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 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

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Non Conserving Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00	NO	YES
2000	99-00	NO	YES
2001	01-02	NO	YES
2002	01-02	NO	YES
2003	03-04	NO	YES
2004	03-04	YES	NO

BMP 12 Coverage: Conservation Coordinator	
Reporting Unit: El Toro Water District	
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

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	1
2000	99-00	YES	1
2001	01-02	YES	1
2002	01-02	YES	1
2003	03-04	YES	1
2004	03-04	YES	1

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:
El Toro 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 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	<u>Gutter Flooding</u>	<u>Single-Pass Cooling Systems</u>	<u>Single-Pass Car Wash</u>	<u>Single-Pass Laundry</u>	<u>Single-Pass Fountains</u>	<u>Other</u>	<u>RU has ordinance that meets coverage requirement</u>
1999	yes	no	no	no	yes	no	NO
2000	yes	no	no	no	yes	no	NO
2001	yes	no	no	no	yes	no	NO
2002	yes	no	no	no	yes	no	NO
2003	yes	no	no	no	yes	no	NO
2004	yes	no	no	no	yes	no	NO