

APPENDIX E

CUWCC WATER CONSERVATION BEST MANAGEMENT PRACTICES ANNUAL REPORTS FOR 2001-2004 AND COVERAGE REPORTS



Water Supply & Reuse

Reporting Unit:

Year:
2004

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
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Total AF:

Accounts & Water Use

Reporting Unit Name:

Submitted to CUWCC

Year:
2004

City of Fountain Valley

12/15/2004

A. Service Area Population Information:

1. Total service area population 54468

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	15171	5223.6	0	0
2. Multi-Family	180	735.2	0	0
3. Commercial	596	1213	0	0
4. Industrial	263	566	0	0
5. Institutional	0	0	0	0
6. Dedicated Irrigation	283	450	0	0
7. Recycled Water	12	1300	0	0
8. Other	306	234.7	0	0
9. Unaccounted	NA	290	NA	0
Total	16811	10012.5	0	0

Metered

Unmetered

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 12/19/2000, your Agency STRATEGY DUE DATE is: | 12/19/2002 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	0	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	no	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	no	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	no	no
Outdoor Survey:		
6. Check irrigation system and timers	no	no
7. Review or develop customer irrigation schedule	no	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)		None

11. Were customers provided with information packets that included evaluation results and water savings recommendations?	No	no
12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	No	no
a. If yes, in what form are surveys tracked?		None
b. Describe how your agency tracks this information.		

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

None

BMP 02: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

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

14. . 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: 100%

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: 86.6%

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

In 2000, MWDOC and MET conducted the OC Saturation Survey and found countrywide low flow showerhead saturation rates of 66.9% in single-family and 59.8% in multi-family dwelling units. Saturation rates provided above represent linear extrapolation of saturation survey results for 02-03 and 03-04.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? No

a. If YES, when did your agency begin implementing this strategy?

b. Describe your targeting/ marketing strategy.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	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?		No
a. If YES, in what format are low-flow devices tracked?		
b. If yes, describe your tracking and distribution system :		

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

none

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|--|------|
| 1. Has your agency completed a pre-screening system audit for this reporting year? | No |
| 2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production: | |
| a. Determine metered sales (AF) | |
| b. Determine other system verifiable uses (AF) | |
| c. Determine total supply into the system (AF) | |
| d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. | 0.00 |
| 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? | No |
| 4. Did your agency complete a full-scale audit during this report year? | No |
| 5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? | No |
| 6. Does your agency operate a system leak detection program? | No |
| a. If yes, describe the leak detection program: | |

B. Survey Data

- | | |
|--|---|
| 1. Total number of miles of distribution system line. | 0 |
| 2. Number of miles of distribution system line surveyed. | 0 |

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

none

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | Yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | No |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| b. Describe the program: | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

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. | 0 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 276 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 11 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 287 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | No |

B. Landscape Surveys

- | | |
|--|----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | No |
| a. If YES, when did your agency begin implementing this strategy? | |
| b. Description of marketing / targeting strategy: | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | no |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | no |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | no |
| 5. Do you track survey offers and results? | No |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | No |
| 14. . If YES, describe below: | |

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
- 3. Do you offer landscape irrigation training? No
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? No

Type of Financial Incentive:	Budget (Dollars/ Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	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? No

a. If YES, describe below:

- 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? Yes
- 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. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

The meters listed above are under budget as part of the Municipal Water District of Orange County's Landscape Certification Program. This has been a two-year effort covering 2003 & 2004. Included in this program is an informal survey process. Since it is informal, Under B above #2 & #3 are listed as zero, while the components of the informal process are marked as yes in #4

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? Yes

14. . If YES, describe the offerings and incentives as well as whom the energy/waste water utility provider is.

All three Edison, PG&E and SDG&E have rebates. MWDOC does not have the information on the amounts

2. Does your agency offer rebates for high-efficiency washers? Yes

3. What is the level of the rebate? 100

4. Number of rebates awarded. 209

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 07: Public Information Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? Yes

14. . If YES, describe the program and how it's organized.
 Publish a bi-monthly newsletter in water bills that includes conservation information and rebate information; participate in the ULFT program with Orange County Water District; OCWD education program is in local schools.

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

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	99600
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	no	0
g. Speaker's Bureau	no	0
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 08: School Education Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? Yes

2. Please provide information on your 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-3 rd	yes	21	1273	5
Grades 4 th -6 th	yes	21	592	5
Grades 7 th -8 th	no	0	0	5
High School	no	0	0	5

3. Did your Agency's materials meet state education framework requirements? Yes

4. When did your Agency begin implementing this program? 01/01/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

None

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|--|-----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | No |
| 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? | Yes |
|---|-----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
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	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	22	1120
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

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. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991.	.46
8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.	4.13

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	1498	

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

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these.

BMP 09a: CII ULFT Water Savings

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

1. Did your agency implement a CII ULFT replacement program in the reporting year? Yes
If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Check all that apply. CII Sector or subsector
- a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

See the MWD of SC program for details

2. How does your agency advertise this program? Check all that apply. Bill insert
Newsletter
- a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell, the contractor, is reporting for the City

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes
2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No
3. What is the total number of customer accounts participating in the program during the last year ? 1

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Government	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0

5. Program design. Rebate or voucher

6. Does your agency use outside services to implement this program? No

a. If yes, check all that apply.

7. Participant tracking and follow-up. No follow-up

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

- a. Disruption to business 1
- b. Inadequate payback 1
- c. Inadequate ULFT performance 1
- d. Lack of funding 1
- e. American's with Disabilities Act 1
- f. Permitting 1
- g. Other. Please describe in B. 9. 1

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

Program received very well by residents.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

Program was very successful.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor	0	0
b. Materials	0	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		0
b. State agency contribution		0
c. Federal agency contribution		0
d. Other contribution		0
e. Total		0

D. Comments

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell

BMP 11: Conservation Pricing

Reporting Unit:
City of Fountain Valley

BMP Form
Status: 100% Complete
Year: 2004

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$4244249
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$881656
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$566543
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$54543
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$46886
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Accounting handles the water accounts as combined metered accounts, therefore some items have "0".

BMP 12: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Does your Agency have a conservation coordinator? Yes
2. Is this a full-time position? No
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? yes
4. Partner agency's name: Municipal Water District of Orange County
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 10%
 - b. Coordinator's Name Jeannie Heimberger
 - c. Coordinator's Title Management Analyst
 - d. Coordinator's Experience and Number of Years Conservation Coordinator Training; Master of Science Degree; 0 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/19/2001
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 13: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Requirements for Documenting BMP Implementation

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

14. . If YES, describe the ordinance:

No person, firm or corporation shall waste, cause, permit, or allow to be wasted, any water in any cooling system, ornamental fountain or other device of any kind whatsoever, nor shall such person, firm or corporation fail, refuse or neglect to recirculate said water through such cooling system, ornamental fountain, or other device; provided further, that it is unlawful for any person, firm or corporation, to cause, permit, or allow any water furnished through the facilities of the water works, as herein defined, to be wasted in any manner whatsoever.

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:

Municipal Water District of Orange County; Regional Water Quality Board, Santa Ana Region	Orange County Drainage Area Management Plan; NPDES Permit
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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 | no |

14. . Describe measures that prohibit water uses listed above:

Building Inspectors; Hazardous Waste Inspections; Code Enforcement. Fines \$100 - \$500 each violation within same year

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. No
- 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. No
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. No
- 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. No

4. Does your agency include water softener checks in home water audit programs? No

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? No

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

	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

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	168	28
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	621	73
Total	789	101

6. Describe your agency's ULFT program for single-family residences.

City of Fountain Valley participates in a region-wide ULFT rebate program for both SF and MF. Our regional wholesaler (MWDOC) administers the program on our behalf. They contract with a vendor to market the program and facilitate the rebate process for our customers. The "other" program is a distribution program that MWDOC administers on our behalf. They contract with a separate vendor that facilitates the distribution of ULFTs to our customers. Each customer must pay a \$30 (or free) co-pay to receive a ULFT. This program is also for SF and MF.

7. Describe your agency's ULFT program for multi-family residences.

See above

8. Is a toilet retrofit on resale ordinance in effect for your service area? No

9. 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

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

none

Water Supply & Reuse

Reporting Unit:
City of Fountain Valley

Year:
2003

Report Not Filed

Accounts & Water Use

Reporting Unit Name:
City of Fountain Valley

Submitted to CUWCC
12/15/2004

Year:
2003

A. Service Area Population Information:

1. Total service area population 54268

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	15151	5185.3	0	0
2. Multi-Family	180	738.4	0	0
3. Commercial	591	1200.9	0	0
4. Industrial	261	509.5	0	0
5. Institutional	0	0	0	0
6. Dedicated Irrigation	281	446.9	0	0
7. Recycled Water	12	1260	0	0
8. Other	302	216.1	0	0
9. Unaccounted	NA	285.9	NA	0
Total	16778	9843	0	0
		Metered		Unmetered

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 12/19/2000, your Agency STRATEGY DUE DATE is: | 12/19/2002 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	0	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	no	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	no	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	no	no
Outdoor Survey:		
6. Check irrigation system and timers	no	no
7. Review or develop customer irrigation schedule	no	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no

10. Which measurement method is typically used (Recommended but not required for surveys)		None
11. Were customers provided with information packets that included evaluation results and water savings recommendations?	No	no
12. Have the number of surveys offered and completed, survey results, and survey costs been tracked?	No	no
a. If yes, in what form are surveys tracked?		
b. Describe how your agency tracks this information.		

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 02: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

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

14. . 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: 91.7%

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: 79.9%

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

In 2000, MWDOC and MET conducted the OC Saturation Survey and found countywide low flow showerhead saturation rates of 66.9% in single-family and 59.8% in multi-family dwelling units. Saturation rates provided above represent linear extrapolation of saturation survey results for 02-03 and 03-04.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? No

a. If YES, when did your agency begin implementing this strategy?

b. Describe your targeting/ marketing strategy.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	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? No		
a. If YES, in what format are low-flow devices tracked?		
b. If yes, describe your tracking and distribution system :		

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

none

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

- | | |
|--|------|
| 1. Has your agency completed a pre-screening system audit for this reporting year? | No |
| 2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production: | |
| a. Determine metered sales (AF) | |
| b. Determine other system verifiable uses (AF) | |
| c. Determine total supply into the system (AF) | |
| d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. | 0.00 |
| 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? | No |
| 4. Did your agency complete a full-scale audit during this report year? | No |
| 5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? | No |
| 6. Does your agency operate a system leak detection program? | No |
| a. If yes, describe the leak detection program: | |

B. Survey Data

- | | |
|--|---|
| 1. Total number of miles of distribution system line. | 0 |
| 2. Number of miles of distribution system line surveyed. | 0 |

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

none

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
**City of Fountain
 Valley**

BMP Form Status:
100% Complete

Year:
2003

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 276 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 11 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 287 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | No |

B. Landscape Surveys

- | | |
|--|----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | No |
| a. If YES, when did your agency begin implementing this strategy? | |
| b. Description of marketing / targeting strategy: | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | no |
| b. Distribution Uniformity Analysis | no |
| c. Review / Develop Irrigation Schedules | no |
| d. Measure Landscape Area | no |
| e. Measure Total Irrigable Area | no |
| f. Provide Customer Report / Information | no |
| 5. Do you track survey offers and results? | No |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | No |
| 14. . If YES, describe below: | |

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
- 3. Do you offer landscape irrigation training? No
- 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	0	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? No

a. If YES, describe below:

- 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? Yes
- 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. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

The meters listed above are under budget as part of Municipal Water District of Orange County's Landscape Certification Program. This has been a two-year effort covering 2003 & 2004. Included in this program is an informal survey process. Since it is informal, Under B above #2 & #3 are listed as zero, while the components of the informal process are marked as yes in #4.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? Yes

14. . If YES, describe the offerings and incentives as well as whom the energy/waste water utility provider is.

All three Edison, PG&E and SDG&E have rebates. MWDOC does not have the information on the amounts

2. Does your agency offer rebates for high-efficiency washers? Yes

3. What is the level of the rebate? 100

4. Number of rebates awarded. 127

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 07: Public Information Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? Yes

14. . If YES, describe the program and how it's organized.
 Publish a bi-monthly newsletter included in the water bill that includes conservation information and rebate information in bi-monthly water; participate in the ULFT program with Orange County Water District; OCWD education program is in local schools.

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

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	99600
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	no	0
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 08: School Education Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? Yes

2. Please provide information on your 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-3 rd	yes	38	2030	5
Grades 4 th -6 th	yes	38	1012	5
Grades 7 th -8 th	no	0	0	5
High School	no	0	0	5

3. Did your Agency's materials meet state education framework requirements? Yes

4. When did your Agency begin implementing this program? 01/01/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

none

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | No |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | No |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | No |

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? | No |
|---|----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
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	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	28	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

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. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | 0 |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | 0 |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| <p>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."</p> | |

D. Comments

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these.

BMP 09a: CII ULFT Water Savings

Reporting Unit:
City of Fountain Valley

BMP Form Status: **100% Complete** Year: **2003**

1. Did your agency implement a CII ULFT replacement program in the reporting year? Yes
If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Check all that apply. Potential savings

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Potential water savings and free toilet.

2. How does your agency advertise this program? Check all that apply.

Bill insert
Newsletter

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell, the contractor, is reporting for the City.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes
2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? No
3. What is the total number of customer accounts participating in the program during the last year ? 1

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Government	0	0	0	0
i. Churches	0	0	0	0
j. Other	1261	0	0	0

5. Program design. Rebate or voucher

6. Does your agency use outside services to implement this program? No

a. If yes, check all that apply.

7. Participant tracking and follow-up. No follow-up

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

- a. Disruption to business 1
- b. Inadequate payback 1
- c. Inadequate ULFT performance 1
- d. Lack of funding 1
- e. American's with Disabilities Act 1
- f. Permitting 1
- g. Other. Please describe in B. 9. 1

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

Program received very well by residents.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

Program was very successful.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor	0	0
b. Materials	0	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		0
b. State agency contribution		0
c. Federal agency contribution		0
d. Other contribution		0
e. Total		0

D. Comments

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell, the contractor, is reporting for the City.

BMP 11: Conservation Pricing

Reporting Unit:
City of Fountain Valley

BMP Form
Status: **100%**
Complete

Year:
2003

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$4469222
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$928389
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$692679
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$20671
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$54079
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Accounting handles the water accounts as combined metered accounts, therefore some items have "0".

BMP 12: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Does your Agency have a conservation coordinator? Yes
2. Is this a full-time position? No
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? yes
4. Partner agency's name: Municipal Water District of Orange County
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 10%
 - b. Coordinator's Name Jeannie Heimberger
 - c. Coordinator's Title Management Analyst
 - d. Coordinator's Experience and Number of Years Conservation Coordinator Training; Master of Science Degree; 0 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/19/2001
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 13: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Requirements for Documenting BMP Implementation

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

14. . If YES, describe the ordinance:

No person, firm or corporation shall waste, cause, permit, or allow to be wasted, any water in any cooling system, ornamental fountain or other device of any kind whatsoever, nor shall such person, firm or corporation fail, refuse or neglect to recirculate said water through such cooling system, ornamental fountain, or other device; provided further, that it is unlawful for any person, firm or corporation, to cause, permit, or allow any water furnished through the facilities of the water works, as herein defined, to be wasted in any manner whatsoever.

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:

Municipal Water District of Orange County; Regional Water Quality Board, Santa Ana Region	Orange County Drainage Area Management Plan; NPDES Permit
---	---

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 | no |

14. . Describe measures that prohibit water uses listed above:

Building Inspectors; Hazardous Waste Inspections; Code Enforcement.
Fines \$100 - \$500 each violation within same year

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. No
- 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. No
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. No
- 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. No
- 4. Does your agency include water softener checks in home water audit programs? No
- 5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? No

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

	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

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	281	27
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	1017	75
Total	1298	102

6. Describe your agency's ULFT program for single-family residences.

City of Fountain Valley participates in a region-wide ULFT rebate program for both SF and MF. Our regional wholesaler (MWD OC) administers the program on our behalf. They contract with a vendor to market the program and facilitate the rebate process for our customers. The "other" program is a distribution program that MWD OC administers on our behalf. They contract with a separate vendor that facilitates the distribution of ULFTs to our customers. Each customer must pay a \$30 (or free) co-pay to receive a ULFT. This program is also for SF and MF.

7. Describe your agency's ULFT program for multi-family residences.

See above

8. Is a toilet retrofit on resale ordinance in effect for your service area? No

9. 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

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

none

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 12/19/2000, your Agency STRATEGY DUE DATE is: | 12/19/2002 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	0	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	no	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	no	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	no	no
Outdoor Survey:		
6. Check irrigation system and timers	no	no
7. Review or develop customer irrigation schedule	no	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)		None

- | | | |
|--|----|----------|
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | No | no |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | No | no |
| a. If yes, in what form are surveys tracked? | | Database |
| b. Describe how your agency tracks this information. | | |
| MWDOC's program vendor compiled all data taken at each site. | | |

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 02: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

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

14. . 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? No

3. Estimated percent of single-family households with low-flow showerheads: 68%

4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? No

5. Estimated percent of multi-family households with low-flow showerheads: 60%

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

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? No

a. If YES, when did your agency begin implementing this strategy?

b. Describe your targeting/ marketing strategy.

Target and marketing was accomplished through a formal survey program that targeted the top 40% of our single-family customer base.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	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? Database		
b. If yes, describe your tracking and distribution system :		
The cost and distribution was tracked through a formal survey program. Showerhead cost were kept by the program vendor and showerhead distribution was tracked by address of the participant.		

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

All costs associated with the distribution of these devices were accounted for in BMP #1.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

- | | |
|--|---------|
| 1. Has your agency completed a pre-screening system audit for this reporting year? | No |
| 2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production: | |
| a. Determine metered sales (AF) | |
| b. Determine other system verifiable uses (AF) | |
| c. Determine total supply into the system (AF) | 16131.7 |
| d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. | 0.00 |
| 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? | Yes |
| 4. Did your agency complete a full-scale audit during this report year? | No |
| 5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? | No |
| 6. Does your agency operate a system leak detection program? | No |
| a. If yes, describe the leak detection program: | |

B. Survey Data

- | | |
|--|-------|
| 1. Total number of miles of distribution system line. | 183.8 |
| 2. Number of miles of distribution system line surveyed. | 0 |

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | Yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | No |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| b. Describe the program: | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

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. | 0 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 11 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 6 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 669 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | No |

B. Landscape Surveys

- | | |
|--|-----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | No |
| a. If YES, when did your agency begin implementing this strategy? | |
| b. Description of marketing / targeting strategy: | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 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? | No |
| 14. . If YES, describe below: | |

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
- 3. Do you offer landscape irrigation training? No
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? No

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

14. . If YES, describe below:
off water conservation pamphlets

- 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? Yes
- 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. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Said yes to question #5 #4 fiscal year not ended until June 30 2003.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? Yes

14. . If YES, describe the offerings and incentives as well as whom the energy/waste water utility provider is.

All three Edison, PG&E and SDG&E have rebates. MWDOC does not have the information on the amounts.

2. Does your agency offer rebates for high-efficiency washers? Yes

3. What is the level of the rebate? 100

4. Number of rebates awarded. 36

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 07: Public Information Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? Yes

14. . If YES, describe the program and how it's organized.

Publish a quarterly city newsletter that includes conservation information; include conservation information in bi-monthly water bills; participate in the ULFT program with Orange County Water District; OCWD education program is in local schools.

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

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	84000
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	no	0
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 08: School Education Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? Yes

2. Please provide information on your 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-3 rd	yes	28	1952	1
Grades 4 th -6 th	yes	14	1781	1
Grades 7 th -8 th	yes	15	2788	1
High School	no	0	0	1

3. Did your Agency's materials meet state education framework requirements? Yes

4. When did your Agency begin implementing this program? 1/1/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | No |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | No |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | No |

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? | No |
|---|----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
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	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

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. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | 0 |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | 0 |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| <p>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."</p> | |

D. Comments

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these.

BMP 09a: CII ULFT Water Savings

Reporting Unit:
City of Fountain Valley

BMP Form Status:
0% Complete

Year:
2002

1. Did your agency implement a CII ULFT replacement program in the reporting year?
If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Check all that apply.
 - a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

See the MWD of SC program for details

2. How does your agency advertise this program? Check all that apply.
 - a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell, the contractor, is reporting for the City

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)
2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency?
3. What is the total number of customer accounts participating in the program during the last year ?

- | CII Subsector | Number of Toilets Replaced | | | Valve Wall Mount |
|--|----------------------------|--------------|-------------------|------------------|
| | Standard Gravity Tank | Air Assisted | Valve Floor Mount | |
| 4. | | | | |
| a. Offices | | | | |
| b. Retail / Wholesale | | | | |
| c. Hotels | | | | |
| d. Health | | | | |
| e. Industrial | | | | |
| f. Schools: K to 12 | | | | |
| g. Eating | | | | |
| h. Government | | | | |
| i. Churches | | | | |
| j. Other | | | | |
| 5. Program design. | | | | |
| 6. Does your agency use outside services to implement this program? | | | | |
| a. If yes, check all that apply. | | | | |
| 7. Participant tracking and follow-up. | | | | |
| 8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program. | | | | |
| a. Disruption to business | | | | |
| b. Inadequate payback | | | | |
| c. Inadequate ULFT performance | | | | |
| d. Lack of funding | | | | |
| e. American's with Disabilities Act | | | | |
| f. Permitting | | | | |
| g. Other. Please describe in B. 9. | | | | |

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

Program received very well by residents.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

Program was very successful.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor		
b. Materials		
c. Marketing & Advertising		
d. Administration & Overhead		
e. Outside Services		
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		
b. State agency contribution		
c. Federal agency contribution		
d. Other contribution		
e. Total		0

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$5401846
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$5401846
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$644250
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$24185
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$453433
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Accounting handles the water accounts as combined metered accounts, therefore some items have "0".

BMP 12: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

1. Does your Agency have a conservation coordinator? Yes
2. Is this a full-time position? No
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? yes
4. Partner agency's name: Municipal Water District of Orange County
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 10%
 - b. Coordinator's Name Jeannie Heimberger
 - c. Coordinator's Title Management Analyst
 - d. Coordinator's Experience and Number of Years Conservation Coordinator Training; Master of Science Degree; 0 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/19/2001
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 13: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Requirements for Documenting BMP Implementation

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

14. . If YES, describe the ordinance:

No person, firm or corporation shall waste, cause, permit, or allow to be wasted, any water in any cooling system, ornamental fountain or other device of any kind whatsoever, nor shall such person, firm or corporation fail, refuse or neglect to recirculate said water through such cooling system, ornamental fountain, or other device; provided further, that it is unlawful for any person, firm or corporation, to cause, permit, or allow any water furnished through the facilities of the water works, as herein defined, to be wasted in any manner whatsoever.

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:

Municipal Water District of Orange
County; Regional Water Quality
Board, Santa Ana Region

Orange County Drainage
Area Management Plan;
NPDES Permit

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 | no |

14. . Describe measures that prohibit water uses listed above:

Building Inspectors; Hazardous Waste Inspections; Code Enforcement.
Fines \$100 - \$500 each violation within same year

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. No
- 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. No
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. No
- 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. No
- 4. Does your agency include water softener checks in home water audit programs? No
- 5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? No

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 14: Residential ULFT Replacement Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2002

A. Implementation

	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

Number of Toilets Replaced by Agency Program During Report Year

Replacement Method	SF Accounts	MF Units
2. Rebate	232	43
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	1101	30
Total	1333	73

6. Describe your agency's ULFT program for single-family residences.

City of Fountain Valley participates in a region-wide ULFT rebate program for both SF and MF. Our regional wholesaler (MWD OC) administers the program on our behalf. They contract with a vendor to market the program and facilitate the rebate process for our customers. The "other" program is a distribution program that MWD OC administers on our behalf. They contract with a separate vendor that facilitates the distribution of ULFTs to our customers. Each customer must pay a \$30 (or free) co-pay to receive a ULFT. This program is also for SF and MF.

7. Describe your agency's ULFT program for multi-family residences.

See above

8. Is a toilet retrofit on resale ordinance in effect for your service area? No

9. 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

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Water Supply & Reuse

Reporting Unit:

Year:
2001

Report Not Filed

Accounts & Water Use

Reporting Unit Name:

Submitted to CUWCC

Year:

City of Fountain Valley

12/20/2002

2001

A. Service Area Population Information:

1. Total service area population 54979

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	14760	7230	0	0
2. Multi-Family	3554	973	0	0
3. Commercial	642	2050	0	0
4. Industrial	271	0	0	0
5. Institutional	0	725	0	0
6. Dedicated Irrigation	287	0	0	0
7. Recycled Water	6	1032	0	0
8. Other	0	38	0	0
9. Unaccounted	NA	437	NA	0
Total	19520	12485	0	0

Metered

Unmetered

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 12/19/2000, your Agency STRATEGY DUE DATE is: | 12/19/2002 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | No |
| a. If YES, when was it implemented? | |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	0	0
2. Number of surveys completed:	0	0
Indoor Survey:		
3. Check for leaks, including toilets, faucets and meter checks	no	no
4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary	no	no
5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary	no	no
Outdoor Survey:		
6. Check irrigation system and timers	no	no
7. Review or develop customer irrigation schedule	no	no
8. Measure landscaped area (Recommended but not required for surveys)	no	no
9. Measure total irrigable area (Recommended but not required for surveys)	no	no
10. Which measurement method is typically used (Recommended but not required for surveys)		None

- | | | |
|--|----|----------|
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | No | no |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | No | no |
| a. If yes, in what form are surveys tracked? | | Database |
| b. Describe how your agency tracks this information. | | |
| MWDOC's program vendor compiled all data taken at each site. | | |

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 02: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

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

14. . 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? No

3. Estimated percent of single-family households with low-flow showerheads: 68%

4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? No

5. Estimated percent of multi-family households with low-flow showerheads: 60%

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

No

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? No

a. If YES, when did your agency begin implementing this strategy?

b. Describe your targeting/ marketing strategy.

Target and marketing was accomplished through a formal survey program that targeted the top 40% of our single-family customer base.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	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?		Database
b. If yes, describe your tracking and distribution system :		
The cost and distribution was tracked through a formal survey program. Showerhead cost were kept by the program vendor and showerhead distribution was tracked by the address of the participant.		

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

All costs associated with the distribution of these devices were accounted for in BMP #1.

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

- | | |
|--|---------|
| 1. Has your agency completed a pre-screening system audit for this reporting year? | No |
| 2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production: | |
| a. Determine metered sales (AF) | |
| b. Determine other system verifiable uses (AF) | |
| c. Determine total supply into the system (AF) | 16131.7 |
| d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. | 0.00 |
| 3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? | Yes |
| 4. Did your agency complete a full-scale audit during this report year? | No |
| 5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? | No |
| 6. Does your agency operate a system leak detection program? | No |
| a. If yes, describe the leak detection program: | |

B. Survey Data

- | | |
|--|-------|
| 1. Total number of miles of distribution system line. | 183.8 |
| 2. Number of miles of distribution system line surveyed. | 0 |

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

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

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | Yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | No |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| b. Describe the program: | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

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. | 0 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
**City of Fountain
 Valley**

BMP Form Status:
100% Complete

Year:
2001

A. Water Use Budgets

- | | |
|--|------|
| 1. Number of Dedicated Irrigation Meter Accounts: | 287 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 6 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 1330 |
| 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? | No |
| a. If YES, when did your agency begin implementing this strategy? | |
| b. Description of marketing / targeting strategy: | |
| 2. Number of Surveys Offered. | 0 |
| 3. Number of Surveys Completed. | 0 |
| 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? | No |
| 14. . If YES, describe below: | |

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
- 3. Do you offer landscape irrigation training? No
- 4. Does your agency offer financial incentives to improve landscape water use efficiency? No

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

14. . If YES, describe below:
Offer water conservation pamphlets

- 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? Yes
- 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. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Said yes to question #5

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? Yes

14. . If YES, describe the offerings and incentives as well as whom the energy/waste water utility provider is.

Edison, PG &E and SDG&E MWDOC does not have the information on the amounts.

2. Does your agency offer rebates for high-efficiency washers? No

3. What is the level of the rebate? 0

4. Number of rebates awarded. 0

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 07: Public Information Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? Yes

14. . If YES, describe the program and how it's organized.

Publish a quarterly city newsletter that includes conservation information; include conservation information in bi-monthly water bills; participate in the ULFT program with Orange County Water District; OCWD education program in local schools

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

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	84000
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	0
g. Speaker's Bureau	no	0
h. Program to coordinate with other government agencies, industry and public interest groups and media	no	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 08: School Education Programs

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? Yes

2. Please provide information on your 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-3 rd	yes	16	1618	1
Grades 4 th -6 th	yes	14	1983	1
Grades 7 th -8 th	yes	12	2446	1
High School	yes	5	174	1

3. Did your Agency's materials meet state education framework requirements? Yes

4. When did your Agency begin implementing this program? 1/1/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

- | | |
|--|----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | No |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | No |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | No |

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? | No |
|---|----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
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	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no

Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	1	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

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. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | 0 |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | 0 |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| <p>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."</p> | |

D. Comments

The City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of So. CA) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these.

BMP 09a: CII ULFT Water Savings

Reporting Unit:
City of Fountain Valley

BMP Form Status:
0% Complete

Year:
2001

1. Did your agency implement a CII ULFT replacement program in the reporting year?
If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Check all that apply.
 - a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

See the MWD of SC program for details

2. How does your agency advertise this program? Check all that apply.
 - a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

City of Fountain Valley participates in a Regional Wholesaler (Metropolitan Water District of S.C.) Rebate program. We have put in the number of rebates but not the dollar amounts or acre/feet associated with them as Metropolitan tracks these. Honeywell, the contractor, is reporting for the City

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.)
2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency?
3. What is the total number of customer accounts participating in the program during the last year ?

- | CII Subsector | Number of Toilets Replaced | | | Valve Wall Mount |
|--|----------------------------|--------------|-------------------|------------------|
| | Standard Gravity Tank | Air Assisted | Valve Floor Mount | |
| 4. | | | | |
| a. Offices | | | | |
| b. Retail / Wholesale | | | | |
| c. Hotels | | | | |
| d. Health | | | | |
| e. Industrial | | | | |
| f. Schools: K to 12 | | | | |
| g. Eating | | | | |
| h. Government | | | | |
| i. Churches | | | | |
| j. Other | | | | |
| 5. Program design. | | | | |
| 6. Does your agency use outside services to implement this program? | | | | |
| a. If yes, check all that apply. | | | | |
| 7. Participant tracking and follow-up. | | | | |
| 8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program. | | | | |
| a. Disruption to business | | | | |
| b. Inadequate payback | | | | |
| c. Inadequate ULFT performance | | | | |
| d. Lack of funding | | | | |
| e. American's with Disabilities Act | | | | |
| f. Permitting | | | | |
| g. Other. Please describe in B. 9. | | | | |

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

Program received very well by residents.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

Program was very successful.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor		
b. Materials		
c. Marketing & Advertising		
d. Administration & Overhead		
e. Outside Services		
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		
b. State agency contribution		
c. Federal agency contribution		
d. Other contribution		
e. Total		0

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:
City of Fountain Valley

BMP Form
Status: Year:
100% **2001**
Complete

A. Implementation

Rate Structure Data Volumetric Rates for Water Service by Customer Class

1. Residential

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$4979062
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$4979062
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$595999
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$22411
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

- a. Water Rate Structure Uniform
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$426173
- d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources \$0

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

Accounting handles the water accounts as combined metered account, therefore some items have a "0".

BMP 12: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Implementation

1. Does your Agency have a conservation coordinator? Yes
2. Is this a full-time position? No
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? yes
4. Partner agency's name: Municipal Water District of Orange County
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 10%
 - b. Coordinator's Name Michelle Boyd
 - c. Coordinator's Title Management Analyst
 - d. Coordinator's Experience and Number of Years Masters Degree; 0 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 12/19/2001
6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

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

BMP 13: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

BMP Form Status:
100% Complete

Year:
2001

A. Requirements for Documenting BMP Implementation

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

14. . If YES, describe the ordinance:

No person, firm or corporation shall waste, cause, permit, or allow to be wasted, any water in any cooling system, ornamental fountain or other device of any kind whatsoever, nor shall such person, firm or corporation fail, refuse, neglect to recirculate said water through such cooling system, ornamental fountain, or other device; provided further, that it is unlawful for any person, firm or corporation, to cause, permit, or allow any water furnished through the facilities of the water works, as herein defined, to be wasted in any manner whatsoever.

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:

Municipal Water District of Orange	Orange County Drainage
County Regional Water Quality Board, Santa Ana Region	Area Management Plan
	NPDES Permit

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 | no |

14. . Describe measures that prohibit water uses listed above:

Building Inspectors, Hazardous Waste Inspections; Code Enforcement.
Fines \$100 - \$500 each violation within same year

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. No
- 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. No
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. No
- 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. No

4. Does your agency include water softener checks in home water audit programs? No

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? No

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	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

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

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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

City of Fountain Valley to Implement Targeting/Marketing Program by: 2002

	<u>Single-Family</u>	<u>Multi-Family</u>
Year City of Fountain Valley Reported Implementing Targeting/Marketing Program:		
City of Fountain Valley Met Targeting/Marketing Coverage Requirement:	NO	NO

Test for Condition 2

			<u>Single-Family</u>	<u>Multi-Family</u>
Survey Program to Start by:	2001	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 1999 — 2004: Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):		
Total + Credit		
Residential Accounts in Base Year	14,760	3,554
City of Fountain Valley Survey Coverage as % of Base Year Residential Accounts		
Coverage Requirement by Year 4 of Implementation per Exhibit 1	3.60%	3.60%
City of Fountain Valley on Schedule to Meet 10-Year Coverage Requirement	NO	NO

BMP 1 COVERAGE STATUS SUMMARY:
Water supplier has not met one or more coverage requirements for this BMP.

BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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

Report Year	Report Period	Single-Family		Multi-Family	
		Reported Saturation	Saturation > 75%?	Reported Saturation	Saturation > 75%?
1999	99-00				
2000	99-00				
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>City of Fountain Valley has ordinance requiring showerhead retrofit?</u>
1999	99-00	
2000	99-00	
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>
14,316			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>
1,218			NO

BMP 2 COVERAGE STATUS SUMMARY:
Water supplier is meeting coverage requirements for this BMP.

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

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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				
2000	99-00				
2001	01-02	NO		Yes	NO
2002	01-02	NO		Yes	NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

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

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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 2004

No. of Unmetered Accounts in Base Year

Meter Retrofit Coverage as % of Base Year Unmetered Accounts

Coverage Requirement by Year 3 of Implementation per Exhibit 1 16.5%

RU on Schedule to meet 10 Year Coverage Requirement YES

BMP 4 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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	-2				NA
2000	99-00	-1				NA
2001	01-02		287	6	2.1%	NA
2002	01-02	1	11	6	54.5%	NA
2003	03-04	2	276	11	4.0%	NA
2004	03-04	3	276	11	4.0%	NA

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	913
RU Survey Coverage as a % of Base Year CII Accounts	
Coverage Requirement by Year of Implementation per Exhibit 1	2.5%
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	-2		
2000	99-00	-1		
2001	01-02		NO	
2002	01-02	1	NO	
2003	03-04	2	NO	
2004	03-04	3	NO	

<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	-2		
2000	99-00	-1		
2001	01-02			
2002	01-02	1		
2003	03-04	2		
2004	03-04	3		

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	-2			
2000	99-00	-1			
2001	01-02		NO		
2002	01-02	1	NO		
2003	03-04	2	YES		
2004	03-04	3	NO		

<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				

BMP 5 COVERAGE STATUS SUMMARY:
Water supplier has not met one or more coverage requirements for this BMP.

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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	-2			
2000	99-00	-1			
2001	01-02		YES	NO	
2002	01-02	1	YES	YES	100.00
2003	03-04	2	YES	YES	100.00
2004	03-04	3	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	-2		
2000	99-00	-1		
2001	01-02			NO
2002	01-02	1	36	YES
2003	03-04	2	127	YES
2004	03-04	3	209	YES

BMP 6 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Period:
03-04

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>RJ Has Public Information Program?</u>
1999	99-00	-1	
2000	99-00		
2001	01-02	1	YES
2002	01-02	2	YES
2003	03-04	3	YES
2004	03-04	4	YES

BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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	-1	
2000	99-00		
2001	01-02	1	YES
2002	01-02	2	YES
2003	03-04	3	YES
2004	03-04	4	YES

BMP 8 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

Reporting
 Period:
03-04

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	-2			
2000	99-00	-1			
2001	01-02		NO	NO	NO
2002	01-02	1	NO	NO	NO
2003	03-04	2	NO	NO	NO
2004	03-04	3	NO	YES	YES

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2004			
Credit for Surveys Completed Prior to Implementation of Reporting Databases			
Total + Credit			
CII Accounts in Base Year	642	271	
RU Survey Coverage as % of Base Year CII Accounts			
Coverage Requirement by Year 3 of Implementation per Exhibit 1	1.7%	1.7%	1.7%
RU on Schedule to Meet 10 Year Coverage Requirement	NO	NO	NO

Test for Condition 2a

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Performance Target Savings (AF/yr)</u>	<u>Performance Target Savings Coverage</u>	<u>Performance Target Savings Coverage Requirement</u>	<u>Coverage Requirement Met</u>
1999	99-00	-2				YES
2000	99-00	-1				YES
2001	01-02					YES
2002	01-02	1			0.5%	NO
2003	03-04	2			1.0%	NO
2004	03-04	3	1		1.7%	NO

Test for Condition 2c

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

BMP 9 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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 long run 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	NO	YES

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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		
2000	99-00		
2001	01-02	YES	1
2002	01-02	YES	1
2003	03-04	YES	1
2004	03-04	YES	1

BMP 12 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

Reporting Period:
03-04

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:

<u>Year</u>	<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							
2000							
2001	yes	yes	yes	yes	yes	no	YES
2002	yes	yes	yes	yes	yes	no	YES
2003	yes	yes	yes	yes	yes	no	YES
2004	yes	yes	yes	yes	yes	no	YES

BMP 13 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **City of Fountain Valley**

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 meeting coverage requirements for this BMP. As of 2004

<u>Coverage Year</u>	<u>BMP 14 Data Submitted to CUWCC</u>	<u>Exemption Filed with CUWCC</u>	<u>ROR Ordinance in Effect</u>	<u>Exhibit 6 Coverage Req'mt (AF)</u>	<u>Toilet Replacement Program Water Savings* (AF)</u>
2001	Yes	No	No		52.08
2002	Yes	No	No		140.84
2003	Yes	No	No		265.28
2004	Yes	No	No		410.47
2005	No	No	No		
2006	No	No	No		
2007	No	No	No		
2008	No	No	No		
2009	No	No	No		
2010	No	No	No		

*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 meeting coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: City of Fountain Valley

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 remaining stock)	.005	.005
Estimated Housing Units with 3.5+ gpf Toilets in 1997	10344.64	880.12
Average resale rate		
Average persons per unit		
Average toilets per unit		
Average savings per home (gpd; from Exhibit 6)	35.7	37.4

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)
2001	9932.92		10292.91			411.72	175.25	175.25	
2002	9537.59		10241.45			395.33	191.06	191.06	
2003	9158.00		10190.24			379.60	206.23	206.23	
2004	8793.51		10139.29			364.49	220.81	220.81	
2005	8443.53		10088.60			349.98	234.80	234.80	
2006	8107.47		10038.15			336.05	248.24	248.24	
2007	7784.80		9987.96			322.68	261.14	261.14	
2008	7474.96		9938.02			309.83	273.53	273.53	
2009	7177.46		9888.33			297.50	285.42	285.42	
2010	6891.79		9838.89			285.66	296.84	296.84	

Multi Family Housing Units

<u>Coverage</u> <u>Year</u>	<u>Unretrofitted</u> <u>Houses</u>	<u>Houses</u> <u>Sold</u>	<u>Houses</u> <u>Unsold</u>	<u>Sold and</u> <u>Retrofitted</u>	<u>Sold and</u> <u>Already</u> <u>Retrofitted</u>	<u>Unsold</u> <u>and</u> <u>Retrofitted</u>	<u>Gross</u> <u>ROR</u> <u>Savings</u> <u>(AFY)</u>	<u>Nat'l</u> <u>Replacement</u> <u>Only</u> <u>Savings</u> <u>(AFY)</u>	<u>Net ROR</u> <u>Savings</u> <u>(AFY)</u>
2001	845.09		875.72			35.03	15.62	15.62	
2002	811.45		871.34			33.63	17.03	17.03	
2003	779.16		866.98			32.30	18.38	18.38	
2004	748.15		862.65			31.01	19.68	19.68	
2005	718.37		858.33			29.78	20.93	20.93	
2006	689.78		854.04			28.59	22.13	22.13	
2007	662.33		849.77			27.45	23.28	23.28	
2008	635.97		845.52			26.36	24.38	24.38	
2009	610.66		841.30			25.31	25.44	25.44	
2010	586.35		837.09			24.30	26.46	26.46	

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

Reporting Unit:
City of Fountain Valley

Reporting
 Period:
01-02

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

City of Fountain Valley to Implement Targeting/Marketing Program by:	2002		
		<u>Single-Family</u>	<u>Multi-Family</u>
Year City of Fountain Valley Reported Implementing Targeting/Marketing Program:			
City of Fountain Valley Met Targeting/Marketing Coverage Requirement:		NO	NO

Test for Condition 2

			<u>Single-Family</u>	<u>Multi-Family</u>
Survey Program to Start by:	2001	Residential Survey Offers (%)		
Reporting Period:	01-02	Survey Offers \geq 20%	NO	NO

Test for Condition 3

	Completed Residential Surveys	
	<u>Single Family</u>	<u>Multi-Family</u>
Total Completed Surveys 1999 — 2002: Past Credit for Surveys Completed Prior to 1999 (Implementation of Reporting Database):		
Total + Credit		
Residential Accounts in Base Year	14,760	3,554
City of Fountain Valley Survey Coverage as % of Base Year Residential Accounts		
Coverage Requirement by Year 2 of Implementation per Exhibit 1	1.50%	1.50%
City of Fountain Valley on Schedule to Meet 10- Year Coverage Requirement	NO	NO

BMP 1 COVERAGE STATUS SUMMARY:
Water supplier has not met one or more coverage requirements for this BMP.

BMP 02 Coverage: Residential Plumbing Retrofit

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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				
2000	99-00				
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>City of Fountain Valley has ordinance requiring showerhead retrofit?</u>
1999	99-00	
2000	99-00	
2001	01-02	NO
2002	01-02	NO
2003	03-04	NO
2004	03-04	NO

Test for Condition 3

Reporting Period: 01-02

<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>
14,316			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>
1,218			NO

BMP 2 COVERAGE STATUS SUMMARY:**Water supplier has not met one or more coverage requirements for this BMP.**

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

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

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				
2000	99-00				
2001	01-02	NO		Yes	NO
2002	01-02	NO		Yes	NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

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

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" least as effective as "r" mplementation 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 2002

No. of Unmetered Accounts in Base Year

Meter Retrofit Coverage as % of Base Year Unmetered Accounts

Coverage Requirement by Year 1 of Implementation per Exhibit 1

4.5%

RU on Schedule to meet 10 Year Coverage Requirement

YES

BMP 4 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 05 Coverage: Large Landscape Conservation Programs and Incentives

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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	-2				NA
2000	99-00	-1				NA
2001	01-02		287	6	2.1%	NA
2002	01-02	1	11	6	54.5%	NA
2003	03-04	2	276	11	4.0%	NA
2004	03-04	3	276	11	4.0%	NA

Test for Condition 2a (survey offers)

Select Reporting Period:

01-02

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	913
RU Survey Coverage as a % of Base Year CII Accounts	
Coverage Requirement by Year of Implementation per Exhibit 1	0.7%
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 mixed use budget program</u>	<u>No. of mixed-use budgets</u>
1999	99-00	-2		
2000	99-00	-1		
2001	01-02		NO	
2002	01-02	1	NO	
2003	03-04	2	NO	
2004	03-04	3	NO	
<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	-2		
2000	99-00	-1		
2001	01-02			
2002	01-02	1		
2003	03-04	2		
2004	03-04	3		

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	-2			
2000	99-00	-1			
2001	01-02		NO		
2002	01-02	1	NO		
2003	03-04	2	YES		
2004	03-04	3	NO		

<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				

BMP 5 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 06 Coverage: High-Efficiency Washing Machine Rebate Programs

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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	-2			
2000	99-00	-1			
2001	01-02		YES	NO	
2002	01-02	1	YES	YES	100.00
2003	03-04	2	YES	YES	100.00
2004	03-04	3	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	-2		
2000	99-00	-1		
2001	01-02			NO
2002	01-02	1	36	YES
2003	03-04	2	127	YES
2004	03-04	3	209	YES

BMP 6 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 07 Coverage: Public Information Programs

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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	-1	
2000	99-00		
2001	01-02	1	YES
2002	01-02	2	YES
2003	03-04	3	YES
2004	03-04	4	YES

BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 08 Coverage: School Education Programs

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" least as effective as "b" 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	-1	
2000	99-00		
2001	01-02	1	YES
2002	01-02	2	YES
2003	03-04	3	YES
2004	03-04	4	YES

BMP 8 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 09 Coverage: Conservation Programs for CII Accounts

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" least as effective as "m" 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	-2			
2000	99-00	-1			
2001	01-02		NO	NO	NO
2002	01-02	1	NO	NO	NO
2003	03-04	2	NO	NO	NO
2004	03-04	3	NO	YES	YES

Test for Condition 2a

	Commercial	Industrial	Institutional
Total Completed Surveys Reported through 2002			
Credit for Surveys Completed Prior to Implementation of Reporting Databases			
Total + Credit			
CII Accounts in Base Year	642	271	
RU Survey Coverage as % of Base Year CII Accounts			
Coverage Requirement by Year 1 of Implementation per Exhibit 1	0.5%	0.5%	0.5%
RU on Schedule to Meet 10 Year Coverage Requirement	NO	NO	NO

Test for Condition 2a

<u>Year</u>	<u>Report Period</u>	<u>BMP 9 Implementation Year</u>	<u>Performance Target Savings (AF/yr)</u>	<u>Performance Target Savings Coverage</u>	<u>Performance Target Savings Coverage Requirement</u>	<u>Coverage Requirement Met</u>
1999	99-00	-2				YES
2000	99-00	-1				YES
2001	01-02					YES
2002	01-02	1			0.5%	NO
2003	03-04	2			1.0%	NO
2004	03-04	3	1		1.7%	NO

Test for Condition 2c

Total BMP 9 Surveys + Credit

BMP 9 Survey Coverage

BMP 9 Performance Target Coverage

BMP 9 Survey + Performance Target Coverage

Combined Coverage Equals or Exceeds Coverage
Requirement?

NO

BMP 9 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

BMP 11 Coverage: Conservation Pricing

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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 long run 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	NO	YES

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" 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		
2000	99-00		
2001	01-02	YES	1
2002	01-02	YES	1
2003	03-04	YES	1
2004	03-04	YES	1

BMP 12 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 13 Coverage: Water Waste Prohibition

Reporting Unit:
City of Fountain Valley

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "a" least as effective as "r" mplementation 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:

<u>Year</u>	<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							
2000							
2001	yes	yes	yes	yes	yes	no	YES
2002	yes	yes	yes	yes	yes	no	YES
2003	yes	yes	yes	yes	yes	no	YES
2004	yes	yes	yes	yes	yes	no	YES

BMP 13 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: **City of Fountain Valley**

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 meeting coverage requirements for this BMP. as of 2004

<u>Coverage Year</u>	<u>BMP 14 Data Submitted to CUWCC</u>	<u>Exemption Filed with CUWCC</u>	<u>ROR Ordinance in Effect</u>	<u>Exhibit 6 Coverage Req'm' (AF)</u>	<u>Toilet Replacement Program Water Savings* (AF)</u>
2001	Yes	No	No		52.08
2002	Yes	No	No		140.84
2003	Yes	No	No		265.28
2004	Yes	No	No		410.47
2005	No	No	No		
2006	No	No	No		
2007	No	No	No		
2008	No	No	No		
2009	No	No	No		
2010	No	No	No		

*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 meeting coverage requirements for this BMP.

BMP 14 Coverage: Residential ULFT Replacement Programs

Reporting Unit: City of Fountain Valley

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 remaining stock)	.005	.005
Estimated Housing Units with 3.5+ gpf Toilets in 1997	10344.64	880.12
Average resale rate		
Average persons per unit		
Average toilets per unit		
Average savings per home (gpd; from Exhibit 6)	35.7	37.4

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)
2001	9932.92		10292.91			411.72	175.25	175.25	
2002	9537.59		10241.45			395.33	191.06	191.06	
2003	9158.00		10190.24			379.60	206.23	206.23	
2004	8793.51		10139.29			364.49	220.81	220.81	
2005	8443.53		10088.60			349.98	234.80	234.80	
2006	8107.47		10038.15			336.05	248.24	248.24	
2007	7784.80		9987.96			322.68	261.14	261.14	
2008	7474.96		9938.02			309.83	273.53	273.53	
2009	7177.46		9888.33			297.50	285.42	285.42	
2010	6891.79		9838.89			285.66	296.84	296.84	

Multi Family Housing Units

<u>Coverage</u> <u>Year</u>	<u>Unretrofitted</u> <u>Houses</u>	<u>Houses</u> <u>Sold</u>	<u>Houses</u> <u>Unsold</u>	<u>Sold and</u> <u>Retrofitted</u>	<u>Sold and</u> <u>Already</u> <u>Retrofitted</u>	<u>Unsold</u> <u>and</u> <u>Retrofitted</u>	<u>Gross</u> <u>ROR</u> <u>Savings</u> <u>(AFY)</u>	<u>Nat'l/Replacement</u> <u>Only</u> <u>Savings (AFY)</u>	<u>Net</u> <u>ROR</u> <u>Savings</u> <u>(AFY)</u>
2001	845.09		875.72			35.03	15.62	15.62	
2002	811.45		871.34			33.63	17.03	17.03	
2003	779.16		866.98			32.30	18.38	18.38	
2004	748.15		862.65			31.01	19.68	19.68	
2005	718.37		858.33			29.78	20.93	20.93	
2006	689.78		854.04			28.59	22.13	22.13	
2007	662.33		849.77			27.45	23.28	23.28	
2008	635.97		845.52			26.36	24.38	24.38	
2009	610.66		841.30			25.31	25.44	25.44	
2010	586.35		837.09			24.30	26.46	26.46	